

**A new *Thaumaglossa* species from Madagascar
(Coleoptera: Dermestidae: Megatomini)**

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Abstract. *Thaumaglossa maculata* sp. nov. from Madagascar is described, illustrated and compared with all the species known from Madagascar. New locality data for *Thaumaglossa pauliani* Pic in Paulian, 1953 are presented.

INTRODUCTION

Fifty-one species and subspecies of the dermestid genus *Thaumaglossa* Redtenbacher, 1867 have been recently reported (Háva, 2003a, 2006), only four of them being known from Madagascar. A new species recently collected in Madagascar is described below.

MATERIAL AND METHODS

Moreover, following abbreviations refer to the collections, in which the examined material is deposited:

- AHEC Andreas Herrmann, private collection, Stade, Germany;
JHAC author's collection;
SMNS Staatliches Museum für Naturkunde, Stuttgart, Germany;
ZMUB Humboldt-Universität [Zoologisches Museum], Museum für Naturkunde, Berlin, Germany.

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

- (EL) elytral length - linear distance from shoulder to apex of elytron.
(EW) elytral width - maximum linear transverse distance.
(PL) pronotal length - maximum length measured from anterior margin to posterior margin.
(PW) pronotal width - maximum linear transverse distance.
(TL) total length - linear distance from anterior margin of pronotum to apex of elytra.

RESULTS

Thaumaglossa pauliani Pic in Paulian, 1953

Thaumaglossa pauliani Pic in Paulian, 1953: 14.

Thaumaglossa pauliani: Háva, 2003b: 210 (distribution).

Material examined: Madagascar, Ranomafana, 26.vii.1958, 1 ♂, J. Háva det., (JHAC); „Madagascar“, 1 ♀, J. Háva det., (ZMUB); Madagascar, Tolanano / Analamatsaky [14°19'S 49°0'E], Spiny forest, 21.x.2007, leg. L. Friedman, 1 ♂, A. Herrmann det., J. Háva revid., (AHEC); „Madagascar, Tananarive, Tsimbazaza, 7.i.48, A.R.V.“, 1 ♀, V. Kalík det. 1980, (SMNS); „[Madagascar], Isalo, parasite d'oothéce, qui de Mante, Inst. Scient. Madagascar, ix.48, RP“, 1 ♀, V. Kalík det. 1980, (SMNS); “N Madagascar, Antseranana distr., Sambirana riv., Marovato [13°57'S 48°33'E], 5-12.xii.2001, J. Horák lgt.“, 1 ♀, J. Háva det., (JHAC).

Larva. Paulian (1953) provided a precise description the larva.

Host mantis. Species known as a parasite of the mantis species *Branzikia* sp. and *Sphodromantis* sp. (Paulian, 1953).

Distribution. Species known from Madagascar only (Paulian 1953, Mroczkowski 1968, Háva 2003a): new locality data.

Thaumaglossa maculata sp. nov.

(Figs 1-2)

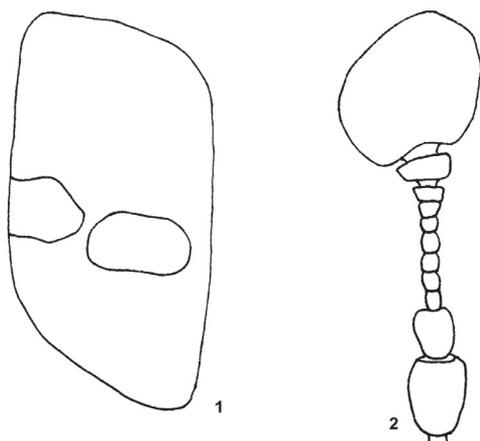
Type material. Holotype (♀): Madagascar, Antseranana prov., Ankarana, Ambondromifehy [12°54'S 49°12'E], 5-6.xii.1996, I. Jeniš lgt., (JHAC).

Specimen of the species described here are provided with a red, printed label with the text as follows: „HOLOTYPE *Thaumaglossa maculata* sp. n. Jiří Háva det. 2009“.

Description. Female holotype: Body measurements (mm): TL 3.10 PL 0.95 PW 1.95 EL 2.30 EW 2.15. Strongly convex, ovate, widest at humeri, dark brown on dorsal surface; antennae and legs brown; ventral surfaces brown; pubescence yellow and black on dorsal surface, yellow on ventral surfaces; suberect on dorsal surfaces, subrecumbent on 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-segmented with shape and funicle sparsely clothed with fine setae, eleventh segment circular (Fig. 2), densely clothed with fine, erect yellow pubescence.

Pronotum dark brown, 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 pubescence and three spots of yellow pubescence.



Figs 1-2. *Thaumaglossa maculata* sp. nov.: 1- left elytron, dorsal aspect; 2- antenna of female.

Elytra brown, with punctures of disc twice as coarse as facets of eye, covered by black pubescence, each elytron with small circular spots of yellow pubescence (Fig. 1), without reddish cuticular spots or fasciae.

Prosternum deeply, coarsely and confluent punctate on disc, without impunctate median line, becoming granulate-punctate on sides. Antennal fossae completely open (without margin lines) medially. Mesosternal disc with punctuation similar to that on prosternal disc.

Abdominal visible sternites II-V with long yellow pubescence.

Male. Unknown.

Differential diagnosis. The new species is habitually very similar to the *T. pauliani* Pic in Paulian, 1953, but differs from that species by the characters mentioned in the following key.

Etymology. Named according to the maculose spots on elytra and pronotum.

KEY OF ALL KNOWN MADAGASCAN SPECIES OF *THAUMAGLOSSA*

- 1(2) elytra unicolorous, orange-red with reddish pubescence *Thaumaglossa purpurea* (Pic, 1915)
- 2(1) elytra not unicolorous
- 3(4) elytra dark brown or black with transverse fasciae of white pubescence; pronotum covered by yellow and white pubescence *Thaumaglossa rufocapillata* Redtenbacher, 1867
- 4(3) elytra dark brown or black, with orange or yellow spots; pronotum with small circular spots of yellow or white pubescence
- 5(6) each elytron with transverse, orange-reddish band or spots covered by yellow pubescence; pronotum with three, distinct spots of yellow or white pubescence (two on lateral parts, one near scutellum)
..... *Thaumaglossa pauliani* Pic in Paulian, 1953
- 6(5) each elytron without orange-reddish band or spots, only with two distinct, circular spots of yellow pubescence; pronotum with three, large, distinct spots of yellow pubescence (two on lateral parts, one near scutellum)
..... *Thaumaglossa maculata* sp. nov.

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