

Genus	Vol. 17(2): 201-204	Wrocław, 30 VI 2006
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Redescription of *Thaumaglossa purpurea* (PIC), new combination, from Madagascar
(Coleoptera: Dermestidae: Megatomini)

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ABSTRACT. *Aethriostoma purpurea* PIC, 1915 is redescribed, illustrated, compared with related species and newly transferred to the genus *Thaumaglossa*.

Key words: entomology, taxonomy, new combination, redescription, Coleoptera, Dermestidae, *Thaumaglossa*, Madagascar.

INTRODUCTION

The dermestid genus *Thaumaglossa* REDTENBACHER, 1867 currently contains 41 species and subspecies worldwide (HÁVA 2003b, 2006). The present study follows preceding papers about the genus *Thaumaglossa* REDTENBACHER, 1867 from the Afrotropical and Oriental regions (HÁVA 2002, 2003a, 2005, HÁVA & KALÍK 2004, HÁVA & KADEJ 2005).

MATERIAL AND METHODS

Locality labels of the mentioned material are cited in the original version. Separate labels are indicated by slashes (\). Remarks of the author are found in brackets []. The integumental structures are named according to HARRIS (1979). Because size of the beetles or of their body parts can be useful in species recognition, the following measurements were made: total length (TL) – linear distance from anterior margin of pronotum to apex of elytra; elytral width (EW) – maximal linear transverse distance.

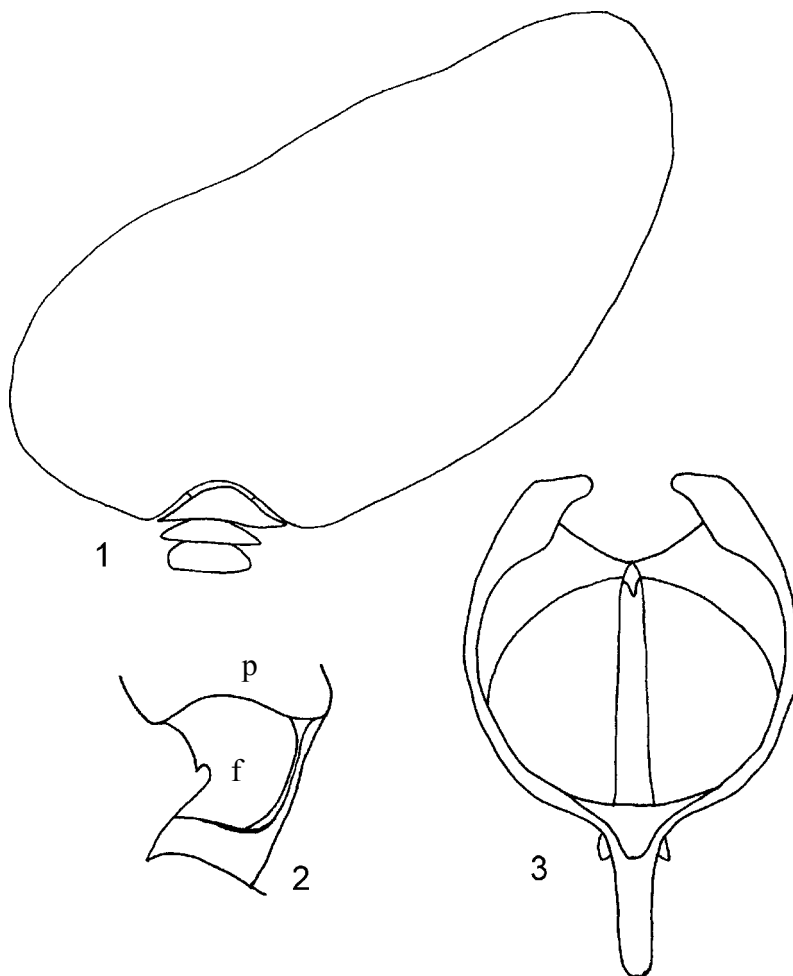
***Thaumaglossa purpurea* (Pic, 1915) comb. n.**

(Figs 1-3)

Aethriostoma purpurea Pic, 1915:3.*Attagenus purpureus*: MROCKOWSKI 1968:90.*Attagenus (Aethriostoma) purpureus*: HÁVA 2003b:55.

DIFFERENTIAL DIAGNOSIS

Thaumaglossa purpurea (Pic, 1915) differs from all other known species belonging to the genus *Thaumaglossa* in characteristic red pubescence on dorsal and ventral orange-red surfaces and the structure of antennae and male genitalia.



1-3. *Thaumaglossa jenisi* n. sp. 1 – antennal club; 2 – antennal fossa (p = pronotum, f = fossa) laterally; 3 - male genitalia (all figures schematically)

A similar species *T. nitidula* ARROW, 1915 (Borneo-Sabah; Malaysia; Thailand) differs from the new species in unicolorous brown antennae and yellowish pubescence on dorsal and ventral surfaces.

DESCRIPTION OF MALE

Male: Body TL 2.62 mm, EW 1.68 mm. Strongly convex, ovate, widest at humeri, orange-red on dorsal surface; antennal segments I-VIII brown, IX-XI black, legs brown; vestiture about three-fifths of the length of scutellum, pubescence red 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 a 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 in fine setae, eleventh segment densely clothed in fine, erect pubescence about equal in length to sixth antennal segment, terminal segment (Fig. 1). Pronotum with punctures of disc simple, equal in coarseness to facets of eye, separated by one to three diameters, becoming larger and nearly contiguous toward sides, surface between smooth and shining; pronotum covered with red pubescence. Elytra with punctures of disc twice as coarse as facets of eye. Each elytron without spots or fasciae from pubescence, all parts covered with red pubescence. Prosternum deeply, coarsely and confluent punctate on disc without impunctate median line, becoming granulate-punctate on sides. Antennal fossae occupying entire hypomeron; fossae completely open (without margins) medially (Fig. 2). Mesosternal disc with punctuation similar to prosternal disc. Abdominal sternites II-V with long yellow-red pubescence. Male genitalia in (fig. 3).

Female. Habitually similar to male, but differs from it in structure of terminal antennal segment. Terminal segment is very small, black and circular. Body TL 4.15 mm, EW 2.6 mm.

TYPE MATERIAL

Holotype (female) labelled: "Mahatsinjo, prés Tananarive" [small white printed label] \ "Type" [small yellow handwritten label] \ "Aethriostoma purpurea Pic" [white handwritten label] \ "J. Háva det. as Thaumaglossa purpurea (Pic) comb. n." [printed white label]. Holotype deposited in Muséum National d'Histoire Naturelle, Paris, France.

OTHER MATERIAL

"Madagascar, Tamatave distr., Moramanga env. [18°57'S 48°13'E], 25-27.11.1995, Ivo Jeniš lgt.", 1 male, J. Háva det. 2005, deposited in private collection of I. JENIŠ, Náklo, Czech Republic.

DISTRIBUTION

Madagascar.

ACKNOWLEDGEMENTS

I am much obliged to Dr. L. BOROWIEC (Zoological Institute, Wrocław University, Poland) for reviewing the manuscript and to Dr. A. TAGHAVIAN (Muséum National d'Histoire Naturelle, Paris, France) for loan of the type specimen.

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