

ARTIGO / ARTÍCULO / ARTICLE

Thaumaglossa navratili sp. nov. from French Guiana
(Coleoptera: Dermestidae: Megatominae).

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Abstract: *Thaumaglossa navratili* sp. nov. (Coleoptera: Dermestidae: Megatominae) from French Guiana is described, illustrated and compared with similar species belonging to the *Thaumaglossa hilleri* species group.

Key words: Coleoptera, Dermestidae, *Thaumaglossa*, Taxonomy, description, new species, French Guiana.

Resumen: *Thaumaglossa navratili* sp. nov. from French Guiana (Coleoptera: Dermestidae: Megatominae). Se describe e ilustra *Thaumaglossa navratili* sp. nov. (Coleoptera: Dermestidae) de la Guayana Francesa, y se compara con especies similares pertenecientes al grupo de especies de *Thaumaglossa hilleri*.

Palabras clave: Coleoptera, Dermestidae, *Thaumaglossa*, Taxonomía, descripción, nueva especie, Guayana Francesa.

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Introduction

The family Dermestidae (Coleoptera: Bostrichoidea) currently consists of 62 genera, containing ca. 1600 species worldwide (Háva 2015a).

Based on the determination of some Dermestidae (Coleoptera) deposited in the Florida State Collection of Arthropods, Gainesville, U.S.A., I have found one new species recently collected in French Guiana. The present article follows the paper about *Thaumaglossa* Redtenbacher, 1867 from the region by Háva (2015b).

Material and methods

The following abbreviations of measurements were used:

Total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.

Elytral width (EW) - maximum linear transverse distance.

Type material deposited in the following collection:

FSCA: Florida State Collection of Arthropods, Gainesville, U.S.A.

The type specimen is provided with a red, printed label showing the text: "HOLOTYPE *Thaumaglossa navratili* sp. nov. Jiří Háva det. 2017".

Results

Thaumaglossa navratili sp. nov. (Figs. 1-6)

Type material. Holotype (♂): French Guiana, Amazon Nature Lodge, 30 km SE Roura on Kaw Rd., 2-8-VI-2005, J.E. Eger & M.T. Messenger coll., (FSCA). (Map 1).

Description.

Male: Body (TL: 2.5 mm, EW: 1.9 mm), strongly convex, ovate, widest at humeri, black and brown on dorsal surface; head, antennae brown, legs light-brown; body covered with black and yellow setation. Antennae with 11 antennomeres with characteristic morphology: the last (11th) antennomere narrowly leaf-shaped, covered densely with light-brown, erect setation (Fig. 3). The remaining segments of antenna narrow and oblate. Antenna occupies the whole cavity of the antennal fossa. Antennal fossa completely open along the whole length of lateral margin of the pronotum (hypomeron), occupying all hypomeron, deeply excavated, floor of fossa microscopically punctate. Pronotum (Fig. 2) shine, brown with discal black, large spot, densely punctated, covered by short, yellow setation. Elytra shine, black, coarsely punctated on humera and on first half, other parts densely punctated, covered with black, short setation. Epipleuron black, coarsely punctated. Scutellum triangular, visible. Prosternum intensely punctate on disc, without impunctate median line. Mesosternal disc with large punctation. Abdominal visible ventrites brown with yellow setation (Fig. 5). Pygidium (Fig. 6) brown, with golden-yellow setation. Male genitalia as in Fig. 4.

Female: Unknown.

Differential diagnosis. The new species belongs to the *Thaumaglossa hilleri* species group. The group is represented in the Neotropical and Nearctic Regions by three species: *T. americana* (Jayne, 1882), *T. cognatoi* Háva, 2015 and *T. anthrenoides* (Pic, 1918). The new species differs from the three known species by the characters mentioned in the following key.

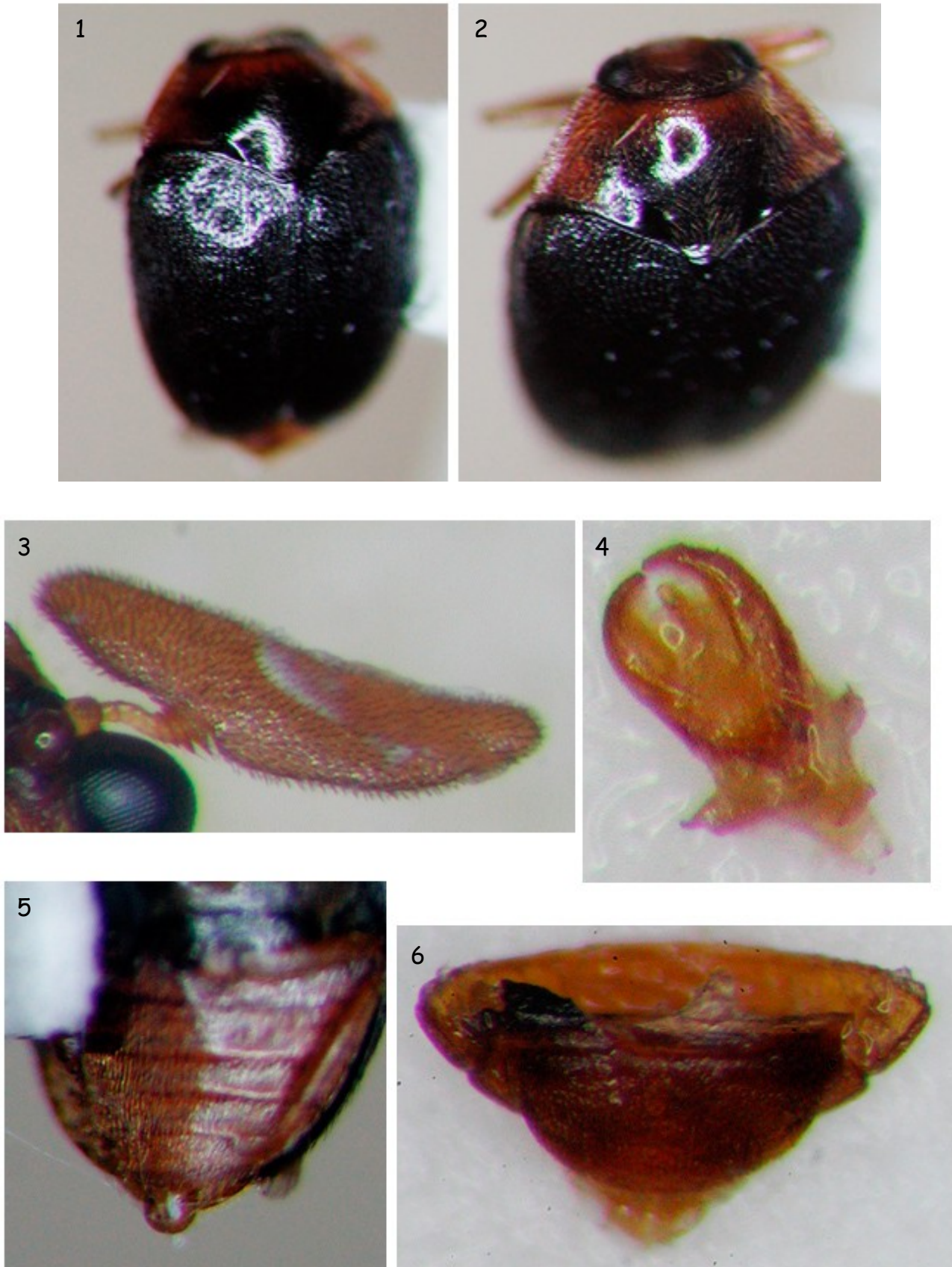
Identification key to the known Nearctic and Neotropical species of the *Thaumaglossa hilleri* species group (modified from Háva 2015b)

- | | | |
|------|---|------------------------------------|
| A(B) | Pronotum brown and black (Fig. 2); abdomen brown; pygidium brown with golden-yellow setation | <i>T. navratili</i> sp. nov. |
| B(A) | Pronotum black. | |
| 1(2) | Abdomen uniformly orange-light brown; pygidium light brown with golden setation (Brazil, Honduras)..... | <i>T. anthrenoides</i> (Pic, 1918) |
| 2(1) | Abdomen bicolorous, ventrite I black, II-V Brown. | |
| 3(4) | Pygidium black with black setation (Panama)..... | <i>T. cognatoi</i> Háva, 2015 |
| 4(3) | Pygidium light brown with light brown setation (U.S.A.)..... | <i>T. americana</i> (Jayne, 1882) |

Etymology. Patronymic, dedicated in memoriam to my friend and coleopterologist Vladimír Navrátil (*1972-†2017).



Map 1. - Type locality of *Thaumaglossa navratili* sp. nov.



Figs. 1-6.- *Thaumaglossa navratili* sp. nov. 1.- Habitus, dorsal aspect. 2.- Pronotum. 3.- Antenna of male. 4.- Male genitalia. 5.- Abdomen. 6.- Pygidium.

List of *Thaumaglossa* species from Nearctic and Neotropical Regions

| | |
|--|--------------------------------------|
| <i>Thaumaglossa anthrenoides</i> (Pic, 1918) | Brazil: Tijuca, São Paulo; Honduras. |
| <i>Thaumaglossa americana</i> (Jayne, 1882) | U.S.A.: Texas, Florida. |
| <i>Thaumaglossa cognatoi</i> Háva, 2015 | Panama, Belize. |
| <i>Thaumaglossa chapadana</i> Háva, Kadej & Casari, 2006 | Brazil: Chapada. |
| <i>Thaumaglossa libochoras</i> Beal, 1952 | U.S.A.: Arizona. |
| <i>Thaumaglossa navratili</i> sp. nov. | French Guiana. |

Acknowledgements

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