

The genus *Thaumaglossa* Redtenbacher, 1867 (Coleoptera, Dermestidae: Megatominae) in the Madagascar Island

К познанию рода *Thaumaglossa* Redtenbacher, 1867 (Coleoptera, Dermestidae: Megatominae) Мадагаскара

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Ключевые слова: таксономия, фауна, определитель, Coleoptera, Dermestidae, *Thaumaglossa*, Мадагаскар.

Abstract. The six recorded *Thaumaglossa* Redtenbacher, 1867 species from Madagascar are illustrated and discussed. New locality data are presented for *Th. rufocapillata* Redtenbacher, 1867 and *Th. pauliani* Pic, 1953. Key to species of *Thaumaglossa* occur in Madagascar is presented.

Резюме. В статье выполнен обзор шести видов *Thaumaglossa* Redtenbacher, 1867 фауны Мадагаскара. Составлена определительная таблица. Представлены новые данные о *Th. rufocapillata* Redtenbacher, 1867 и *Th. pauliani* Pic, 1953.

Introduction

The genus *Thaumaglossa* Redtenbacher, 1867 includes 70 species and subspecies worldwide [Háva, 2015, 2022]. The all Madagascan species are very rare and endemic (only one species is introduced to Madagascar), with new species recently described by Háva [2010, 2012] and Háva and Mériguet [2018]. Larvae of the species belonging to the genus develop in oothecae of different Madagascan species of praying mantises; parasitism is known for the genera *Branczikia* Saussure, Zehnter, 1895, *Sphodromantis* Stål, 1871, *Paramantis* Ragge, Roy, 1967 and *Tarachomantis* Brancsik, 1892. In the present article six recorded *Thaumaglossa* Redtenbacher, 1867 species from Madagascar are illustrated and included in the key.

Material and Methods

The following abbreviations refer to the collections, in which the examined material is deposited: AHEC — Andreas Herrmann, private collection, Stade, Germany; JHAC — Private Entomological Laboratory and Collection, Jiří Háva, Únětice u Prahy, Prague west, Czech Republic; MNHN — Muséum national d'Histoire naturelle, Paris, France; SMNS — Staatliches Museum für Naturkunde, Stuttgart, Germany; ZMUB — Humboldt-Universität (Zoologisches Museum), Museum für Naturkunde, Berlin, Germany;

ZMUH — Zoologisches Institut und Zoologisches Museum der Universität Hamburg, Germany.

Results

Thaumaglossa baobab Háva, 2012

Figs 1–3.

Thaumaglossa baobab Háva, 2012: 1.

Material. Holotype, ♀, Madagascar, Antseranana prov.: Nat. Park «Montagne d'Ambre», 21–25.XII.2003, Dolin, Andreev, Andreeva leg. (JHAC).

Remarks. Rare species known only from Madagascar.

Thaumaglossa maculata Háva, 2010

Figs 4–6.

Thaumaglossa maculata Háva, 2010: 40.

Material. Holotype, ♀, Madagascar, Antseranana prov.: Ankarana, Ambondromifehy [12°54' S, 49°12' E], 5–6.XII.1996, I. Jeniè lgt. (JHAC).

Remarks. Rare species known only from Madagascar.

Thaumaglossa ooparasitica Háva et Mériguet, 2018

Figs 7–10.

Thaumaglossa ooparasitica Háva, Mériguet, 2018: 9.

Material. Holotype, ♂, Madagascar, Analamanga Region: Manjakandriana district, hotel at Mantasoa's lake riverside, west part of lake, 18.979, 47.882, WGS84, 18.I.2007, B. Mériguet leg. (JHAC). Paratype, ♀, same data as holotype (JHAC).

Host mantis. *Paramantis prasina* [Háva, Mériguet, 2018: 10], *Tarachomantis (Tarachomantis) insidentes* [Mériguet, 2021: 38].

Remarks. Species known only from Madagascar.

Thaumaglossa pauliani Pic, 1953

Figs 11–14.

Thaumaglossa pauliani Pic, 1953: 14; type locality: Madagascar, Ampanihy; Madagascar, Ambila-Lemaitso; Madagascar, Forêt d'Ambohitantly; Madagascar, Tananarive.

Material. Madagascar: 1♂, 1♀, Forêt Tanala, Le Moul't vend., via Reinbek, Eing. Nr. 1, 1957, J. Háva det. (ZMUH); 1♂, Ranomafana, 26.VII.1958, J. Háva det. (JHAC); 1♂, Tolanano, Analamatsaky, 14°19' S, 49°0' E, Spiny forest, 21.X.2007, leg. L. Friedman, A. Herrmann det. J. Háva revid. (AHEC); 1♀,

«Madagascar», J. Háva det. (ZMUB); 1♀, «Madagascar, Tananarive, Tsimbazaza, 7.I.48, A.R.V.», V. Kalík det. 1980 (SMNS); 1♀ «[Madagascar], Isalo, parasite d'oothéce, qui de Mante, Inst. Scient. Madagascar, IX.48, RP», V. Kalík det. 1980 (SMNS); 1♀, «N Madagascar, Antseranana distr., Sambirana riv., Marovato [13°57' S, 48°33' E], 5–12.XII.2001, J. Horák lgt.», J. Háva det. (JHAC).

Host mantis. *Branczikia* sp., *Sphodromantis* sp. [Paulian, 1953: 12].

Remarks. Species known only from Madagascar.

Thaumaglossa purpurea (Pic, 1915)

Figs 15–17.

Aethriostoma purpurea Pic, 1915: 3;

Thaumaglossa purpurea (Háva, 2006): 202.

Material. Holotype, ♀, labelled: «Mahatsinjo, près 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], (MNHN). 1♂, Madagascar, *Tamatave distr.*: Moramanga env., 18°57' S, 48°13' E, 25–27.XI.1995, Ivo Jeniè lgt.», J. Háva det. 2005, deposited in private collection of I. Jeniè, Náklo, Czech Republic.

Remarks. Rare species known only from Madagascar.

Thaumaglossa rufocapillata

Redtenbacher, 1867

Figs 18–21.

Thaumaglossa rufocapillata Redtenbacher, 1867: 44.

Material. 2♂♂, Madagascar, *Ranomaphana NP*: Ranomaphana village, 26–31.I.2007, Z. Mránek lgt., J. Háva det. (JHAC).

Remarks. Species known from Europe (introduced), Afro-tropical Region (introduced), Oriental Region and eastern Palaearctic Region. Introduced species to Madagascar.

KEY FOR MADAGASCAN SPECIES OF *THAUMAGLOSSA*

- 1(4) elytra unicolorous
- 2(3) elytra orange-red with reddish setation *Th. purpurea*
- 3(2) elytra black with black setation *Th. ooparasitica*
- 4(1) elytra not unicolorous
- 5(6) elytra dark brown or black with transverse fasciae with white setation; pronotum covered by yellow and white setation *Th. rufocapillata*
- 6(5) elytra dark brown or black, with orange or yellow spots; pronotum with circular spots of yellow or orange setation
- 7(10) elytra with spots; abdominal ventrites IV–V black
- 8(9) each elytron with transverse, orange-reddish band with spots covered by yellow setation; pronotum with three, distinct spots of yellow or white setation (two laterally, one near scutellum) *Th. pauliani*
- 9(8) each elytron without orange-reddish band, only with three distinct, circular spots of yellow setation; pronotum with three, large, distinct spots of yellow setation (two laterally, one near scutellum) *Th. maculata*
- 10(7) each elytron with one large orange area; pronotum with three distinct orange, circular spots; abdominal ventrites IV–V orange, covered by orange setation
..... *Th. baobab*



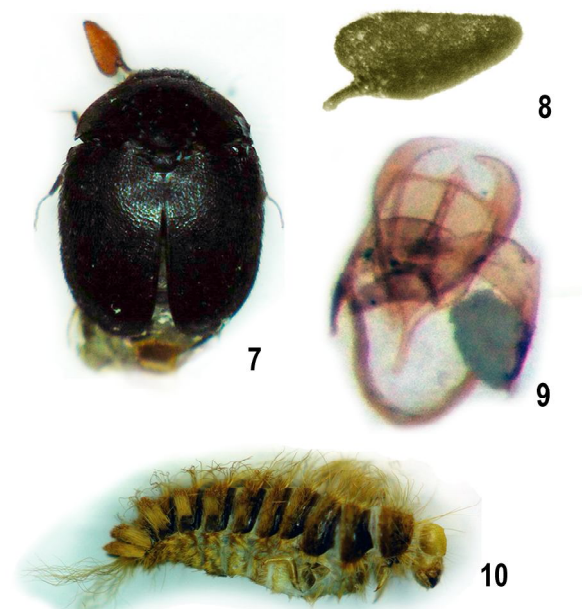
Figs 1–3. Details of *Thaumaglossa baobab* morphology, holotype. 1 — habitus, dorsal aspect; 2 — antenna; 3 — abdomen.

Рис. 1–3. Детали строения голотипа *Thaumaglossa baobab*. 1 — габитус, вид сверху; 2 — усик; 3 — брюшко.



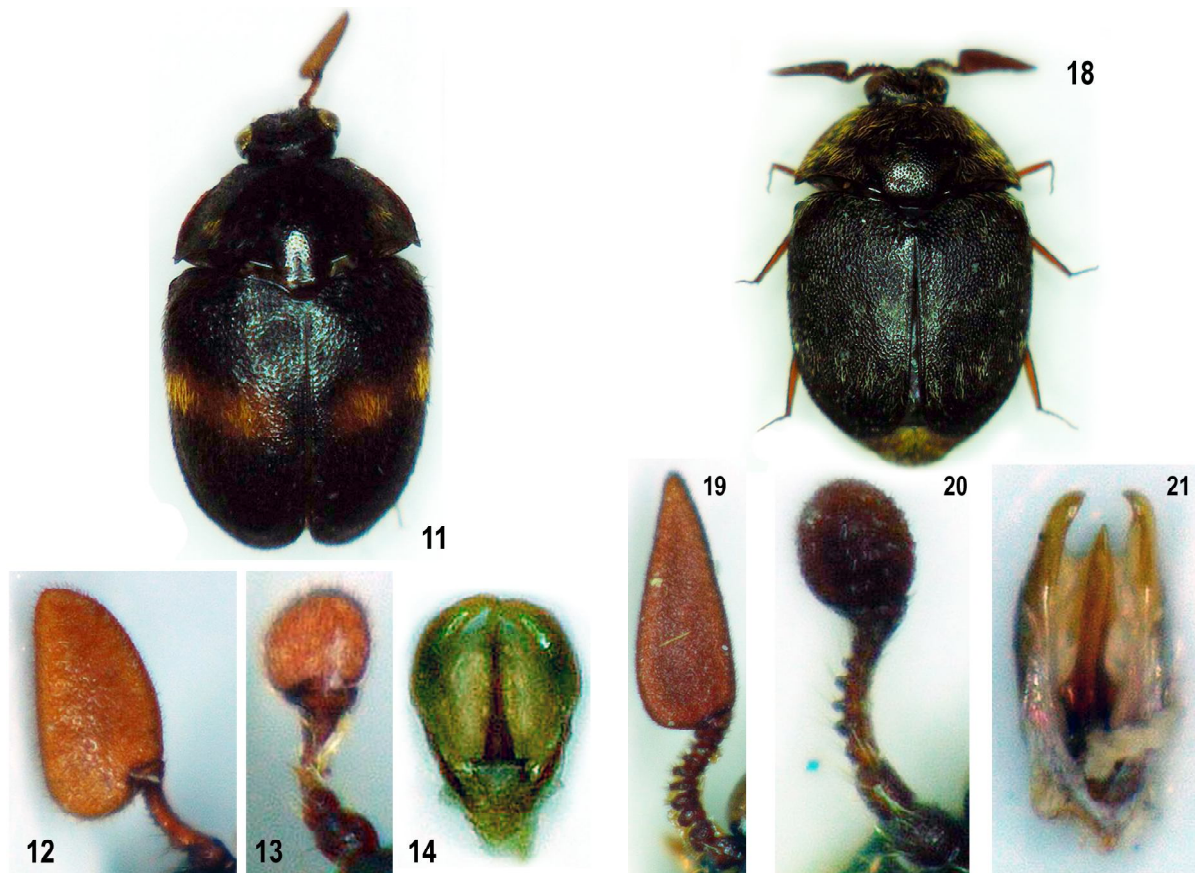
Figs 4–6. Details of *Thaumaglossa maculata* morphology, holotype. 4 — habitus, dorsal aspect; 5 — elytron; 6 — antenna.

Рис. 4–6. Детали строения голотипа *Thaumaglossa maculata*. 4 — габитус, вид сверху; 5 — надкрылья; 6 — антенна.



Figs 7–10. Details of *Thaumaglossa ooparasitica* morphology, holotype. 7 — habitus, dorsal aspect; 8 — antennal club; 9 — male genitalia; 10 — exuvia.

Рис. 7–10. Детали строения голотипа *Thaumaglossa ooparasitica*. 7 — габитус, вид сверху; 8 — булава усиков; 9 — гениталии самца; 10 — экзувий.

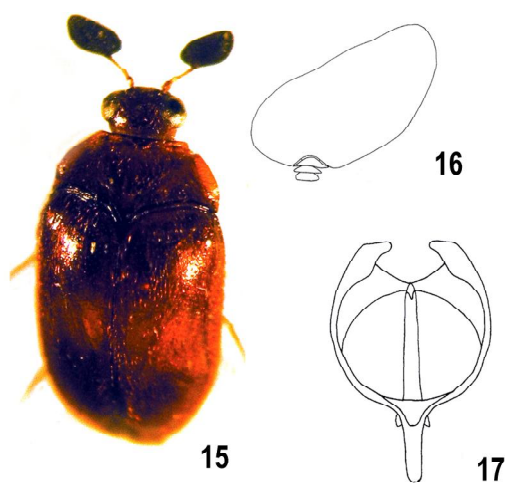


Figs 11–14. Details of *Thaumaglossa pauliani* morphology. 11 — habitus, dorsal aspect; 12 — antenna of male; 13 — antenna of female; 14 — male genitalia.

Рис. 11–14. Детали строения *Thaumaglossa pauliani*. 11 — габитус, вид сверху; 12 — усик самца; 13 — усик самки; 14 — гениталии самца.

Figs 18–21. Details of *Thaumaglossa rufocapillata* morphology. 18 — habitus, dorsal aspect; 19 — antenna of male; 20 — antenna of female; 21 — male genitalia.

Рис. 18–21. Детали строения *Thaumaglossa rufocapillata*. 18 — габитус, вид сверху; 19 — усик самца; 20 — усик самки; 21 — гениталии самца.



Figs 15–17. Details of *Thaumaglossa purpurea* morphology. 15 — habitus, dorsal aspect; 16 — antennal club; 17 — male genitalia.

Рис. 15–17. Детали строения *Thaumaglossa purpurea*. 15 — габитус, вид сверху; 16 — булава усиков; 17 — гениталии самца.

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