

**A new *Paratrogoderma* Scott, 1926 species from Reunion
(Coleoptera: Dermestidae: Megatominae)**

Jiří HÁVA^{1,2} & Jacques POUSSEREAU³

¹Daugavpils University, Institute of Life Sciences and Technology,
Department of Biosystematics, Vienības Str. 13, Daugavpils, LV - 5401, Latvia

²Private Entomological Laboratory and Collection,
Rýznerova 37, CZ - 252 62 Únětice u Prahy, Praha-západ, Czech Republic
e-mail: jh.dermestidae@volny.cz

³20 rue des Fauvettes, F-40100 Dax, France

Taxonomy, new species, description, new combination, Coleoptera, Dermestidae, *Paratrogoderma*, Reunion

Abstract. *Paratrogoderma reunionica* sp. nov. from Reunion is described, illustrated and compared with similar species. The new species differs by its structure of antennae and male genitalia. The species *Paratrogoderma endroedyi* (Háva, 2003) is newly combined from the genus *Phradonoma* Jacquelin du Val, 1859 and newly recorded from Senegal.

INTRODUCTION

The beetles (Coleoptera) from Reunion were summarized by Gomy Y., Lamagnen R. & Poussereau (2016). The family Dermestidae from Reunion recently contains 10 species (Háva 2006, 2016, Háva & Poussereau 2008).

The genus *Paratrogoderma* Scott, 1926 includes two species known from Afrotropical Region (Háva 2015). In the present study is described a new species from Reunion and one species is newly combined.

MATERIAL AND METHODS

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

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

elytral width (EW) - maximum linear transverse distance.

The material studied is deposited in the following collections:

BMNH British Museum Natural History Museum, London, United Kingdom;

JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy,
Prague-West, Czech Republic;

MNHN Museum National d'histoire Naturelle, Paris, France.

Specimens of the presently described species are provided with red, printed labels with the text as follows: „HOLOTYPE (or PARATYPE, respectively) *Paratrogoderma reunionica* sp. nov. J. Háva & J. Poussereau det. 2018”.

RESULTS

Paratrogoderma endroedyi (Háva, 2003) comb. nov.

Phradonoma endroedyi Háva, 2003: 33.

Material examined: „Senegal, Diorbivol, 680, J. Risbec“ / „Scymnus sp., A. P. Kapur det. 1916“, 1 ♂, J. Háva det., (BMNH).

Remarks. The species *Paratrogoderma endroedyi* (Háva, 2003) comb. nov. was originally described as *Phradonoma endroedyi* Háva, 2003. According to the recent study of the type material and material examined, the species is newly combined from the genus *Phradonoma* to the genus *Paratrogoderma* Jacquelin du Val, 1859 according to 10-antennomered antennae.

Distribution. A species known from Burkina Faso and Ghana, new to Senegal.

Paratrogoderma reunionica sp. nov.

(Figs. 1-6)

Type material. Holotype (♂): “La Réunion, Coll: V. Legros“ / „La Possession, Ravine latanier faux poivrier blanc, 27.12.2013“, (MNHN). Paratype (♀): “La Réunion, Coll: V. Legros“ / „Bellevue, St 07 battage, Bois de néfles, 12.12.2013“, (JHAC).

Description. Male. Small and oval (Fig. 1). Body measurements (in mm): TL 1.87 EW 1.25. Black and brown on dorsal surfaces and black on ventral surfaces, legs paler, light brown, scape, pedicel and antennomeres II-VII light brown, antennomeres I, VIII-X dark brown.

Head finely punctate with long yellowish-light brown setation. Palpi entirely yellowish-brown; setation on mentum dense. Eyes small, not overlapping lateral margin of head in dorsal view. Ocellus on front present. Antennae (Fig. 3) composed of 10 antennomeres, antennal club of 3 antennomeres.

Pronotum finely punctate alike head with long yellowish-light brown setation; lateral and anterior margins continuous, regularly rounded, posterior margin conspicuously bisinuate, anterior angles not visible from above. Pronotal cavity as in fig. 2.

Mesonotum heavily sclerotized, scutellum very small, triangular, finely punctate alike pronotum and head, with long yellowish-light brown setation. Metanotum robust, more weakly sclerotized than mesonotum. Meso-metasternum black with long yellowish-light brown setation.

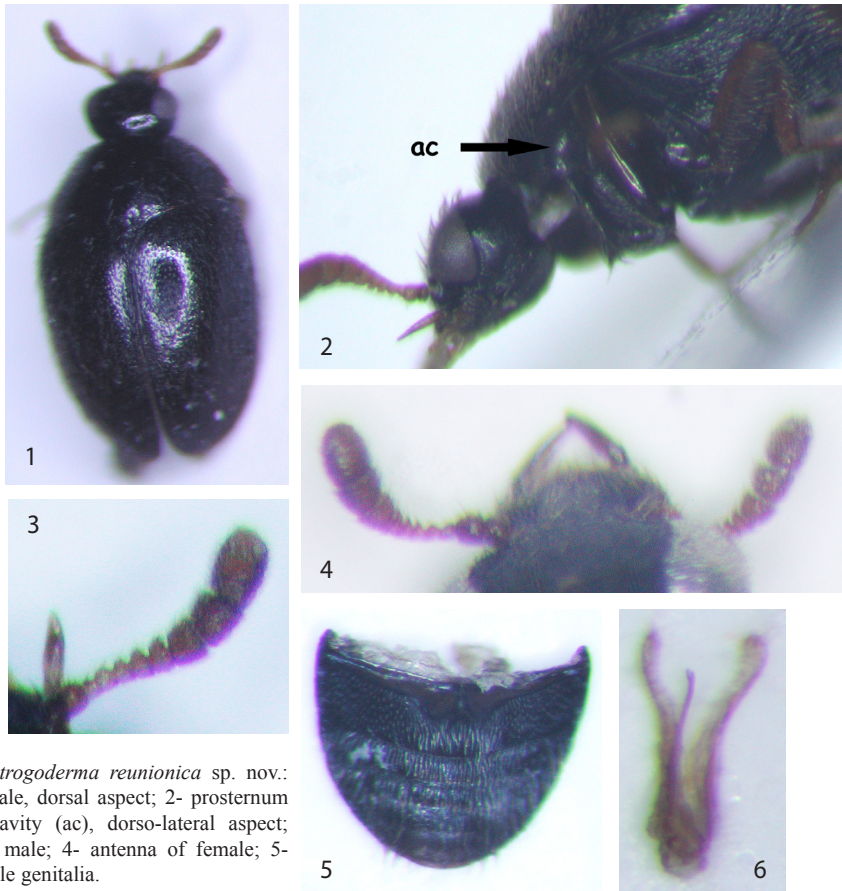
Elytra coarsely punctate; black with dark brown apical part covered by long yellowish-light brown setation. Elytral epipleuron entirely black with short yellowish-light brown setation.

Legs dark brown with short grey setation; tibiae with small, black thorns.

Abdominal ventrites black with very long yellowish-light brown setation (Fig. 5). First visible abdominal ventrite with distinct oblique discal striae and robust, heavily sclerotized median tubercle. Pygidium black with long yellowish-light brown setation.

Male genitalia (Fig. 6).

Female. Habitually similar to male. Antennomeres in antennal club short (Fig. 4). Body TL 2.27 EW 1.80.



Figs. 1-6. *Paratrogoderma reunionica* sp. nov.: 1- habitus of male, dorsal aspect; 2- prosternum and antennal cavity (ac), dorso-lateral aspect; 3- antenna of male; 4- antenna of female; 5- abdomen; 6- male genitalia.

Differential diagnosis. The new species differs from the known species *P. haemorrhoum* (Gerstäcker, 1871), *P. mahense* Scott, 1926 and *P. endroedyi* (Háva, 2003), by its structure of antennae and male genitalia. From similar *P. mahense* (Seychelles) it differs by the bicolorous elytra and yellowish-light brown setation (in *mahense* elytra are brown with yellowish-golden setation).

Name derivation. Named according to Réunion Island.

ACKNOWLEDGEMENTS. We grateful to Miloslav Rakovič (Dobřichovice, Czech Republic) for the revision of the English manuscript.

REFERENCES

- GOMY Y., LAMAGNEN R. & POUSSEREAU J. (eds.): *Les Coléoptères de l'île de la Réunion*. Saint-Denis: Orphie, 760 pp.
- HÁVA J. 2003: Notes on Dermestidae (Coleoptera) with description of eight new species. *Annales Historico-Naturales Musei Nationalis Hungarici* 95: 19-35.
- HÁVA J. 2006: Contribution to the knowledge of Dermestidae (Coleoptera) from Réunion. *Baltic Journal of Coleopterology* 6: 119 - 123.
- HÁVA J. 2015: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera)*. Leiden/Boston: Brill, xxvi + 419 pp.
- HÁVA J. 2016: Dermestidae, pp. 294-298. In: GOMY Y., LAMAGNEN R. & POUSSEREAU J. (eds.): *Les Coléoptères de l'île de la Réunion*. Saint-Denis: Orphie, 760 pp.
- HÁVA J. & POUSSEREAU J. 2008: Second contribution to the knowledge of Dermestidae (Coleoptera) from Réunion. *Baltic Journal of Coleopterology* 8: 65-67.

Received: 30.9.2018
Accepted: 20.10.2018
Printed: 31.3.2019