

Systematic and synonymic notes upon certain species of Dermestidae (Coleoptera)

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Abstract. The following new nomenclatorial acts are proposed: *Hemirhopalum* Sharp, 1902 (= *Falsocryptorhopalum* Pic, 1936 syn. n.); the type species is newly combined as *Hemirhopalum impressum* (Pic, 1936) comb. n. (= *Hemirhopalum plaumanni* Mroczkowski, 1958 syn. n.); *Trogoderma variabile* Ballion, 1878 (= *Globicornis quadriguttata unifasciata* Pic, 1908 syn. n.); *Anthrenus (Anthrenops) coloratus* Reitter, 1881 (= *Anthrenus rufescens* Pic, 1923 syn. n.).

INTRODUCTION

The work presented here is based on the Pic's dermestid type material kept in the Museum national d'Histoire naturelle, Paris, France. The morphological characters, including the genitalia of the type material, were studied.

Locality labels of the mentioned material are cited in the original version. Remarks of the authors are found in square brackets []. Data on separate labels are indicated by slashes (/).

Abbreviations:

JHAC Private Entomological Laboratory & Collection, Jiří Háva, Prague-west, Czech Republic;

MNHN Museum national d'Histoire naturelle, Paris, France;

MZPW Muzeum i Institut Zoologii PAN, Warszawa, Poland.

RESULTS

Hemirhopalum Sharp, 1902

Hemirhopalum Sharp, 1902: 651 - type species: *Hemirhopalum hadrotomoide* Sharp, 1902: 652.

Falsocryptorhopalum Pic, 1936: 1 **syn. n.** - type species: *Falsocryptorhopalum impressum* Pic, 1936: 2.

Hemirhopalum impressum (Pic, 1936) comb. n.

Falsocryptorhopalum impressum Pic, 1936: 2.

Hemirhopalum plaumanni Mroczkowski, 1958: 56 **syn. n.**

Type material. *Falsocryptorhopalum impressum*: holotype (♂) labelled: „Brasilien, Nova Teutonia, Fritz Plaumann“ [printed label] \ „Derm 7“ [small, handwritten label] \ „Type“ [small, yellowish, handwritten label] \ „Falsocryptorhopalum ng. impressum“ [handwritten label] \ „Hemirhopalum impressum (Pic) comb. n., J. Háva det. 2007“ [white, printed label]. Holotype deposited in MNHN.

Hemirhopalum plaumanni: paratypes (2 ♂♂, 1 ♀) labelled: „Brasilien, Nova Teutonia, 27°11'B, 52°23'L, Fritz Plaumann, ix.1941, 300 bis 500m“ \ „Holotype, *Hemirhopalum plaumanni*, M. Mroczkowski 1958“ [red, printed label]. Paratypes deposited in MZPW.

Other material studied. „Brasilien, Nova Teutonia, 27°11'B, 52°23'L, Fritz Plaumann, x.1938“, 1 ♂, (JHAC).

Original description. „*Falsocryptorhopalum* n.g. (Dermestide). Subovatus; capite libero, oculis grandis, paulo prominutis; antennis brevibus, probabiliter 8 articulatis, articulo 1 lato, sat breve, 2^e valde transverso, sequentibus brevibus, parum distinctis, clava lata, biarticula, articulo penultimo grande, triangulare, ultimo subovato, minore; thorace lateraliter marginato; elytris ad basin et lateraliter marginatis. Genre nettement différent de *Cryptorhopalum* Guer. Par la tête dégagée du prothorax, la massue particulière des antennes, et établi pour l'espèce nouvelle suivante.“

Remarks. The genus *Falsocryptorhopalum* was described by Pic (1936) from Brazil, but in the original description, there is a big error in the number of antennal segments. Pic described this genus according „probabiliter 8 articulatis“, but the antennae actually have 11 segments! Pic (1936) did not compare the genus *Falsocryptorhopalum* with the genus *Hemirhopalum* described by Sharp (1902). The both genera are identical in all the morphological characters. The genus *Falsocryptorhopalum* is a junior synonym of the genus *Hemirhopalum* and type species is presently newly combined as *Hemirhopalum impressum* (Pic, 1936) comb. n.

The species *Hemirhopalum plaumanni* was described and illustrated by Mroczkowski (1958: 58, figs 10-16) very well in his review of the genus *Hemirhopalum*. The species is identical in the all morphological characters with the *Falsocryptorhopalum impressum* Pic, 1936 and it is a junior synonym of this species.

Distribution. Species known from Brazil only: Nova Teutonia.

Trogoderma variabile Ballion, 1878

Globicornis quadriguttata unifasciata Pic, 1908: 41 **syn. n.**

Type material. Holotype (♀) labelled: “Syrie (bombé)” [small, handwritten label] \ „Type“ [small, yellowish, handwritten label] \ „Gl.4-guttata v.esp. unifasciata Pic“ [handwritten label] \ „*Trogoderma variabile* Ball. (= *Gl. quadriguttata unifasciata* syn. n.) J. Háva det. 2007“ [white, printed label]. Holotype deposited in MNHN.

Remarks. The subspecies *Globicornis quadriguttata unifasciata* was described by Pic

(1908) from Syria, but according to the present study of the holotype, all the morphological characters of this subspecies are identical with *T. variabile* Ballion, 1878. The name *Globicornis quadriguttata unifasciata* is a junior synonym of *T. variabile*.

***Anthrenus (Anthrenops) coloratus* Reitter, 1881**

Anthrenus rufescens Pic, 1923: 3 **syn. n.**

Type material. Holotype (♀) labelled: “Calcutta“ [printed] \ „Type“ [handwritten] \ “rufescens nsp” [handwritten]. Holotype deposited in MNHN.

Remarks. The species *Anthrenus rufescens* was described by Pic (1923) from India: Calcutta. The holotype is completely destroyed, only abdomen being mounted. Other parts of adult specimen not present in the museum boxes A. Taghavian (pers comm.). The female genitalia are identical with female genitalia of *A. coloratus* Reitter, 1881. The name *Anthrenus rufescens* is a junior synonym of *A. coloratus*.

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* Updates version: Dermestidae World (Coleoptera). - World Wide Web electronic publication: <http://www.dermestidae.wz.cz>.

