

ARTIGO / ARTÍCULO / ARTICLE

A contribution to the dermestid species (Coleoptera: Dermestidae) described by David Sharp from the Neotropical Region - Part 4.

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Abstract: The genera *Cryptorhopalum* Guérin-Méneville, 1838 and *Hemirhopalum* Sharp, 1902 from the Neotropical Region are reviewed. Five species described by Sharp were studied, and lectotype was designated for *Cryptorhopalum septemsignatum* Sharp, 1902. Colour habitus is firstly illustrated for the following species: *Hemirhopalum bicolor* Sharp, 1902; *Hemirhopalum buprestoide* Sharp, 1902; *Hemirhopalum clythraeforme* Sharp, 1902; *Hemirhopalum hadrotomoide* Sharp, 1902.

Key words: Coleoptera, Dermestidae, *Cryptorhopalum*, *Hemirhopalum*, Taxonomy, lectotype designation, Neotropical Region.

Resumen: Contribución al conocimiento de las especies de derméstidos (Coleoptera: Dermestidae) descritos por David Sharp de la Región Neotropical. Se revisan los géneros *Cryptorhopalum* Guérin-Méneville, 1838 y *Hemirhopalum* Sharp, 1902 de la Región Neotropical. Se estudian cinco especies descritas por Sharp y se designa lectotipo para *Cryptorhopalum septemsignatum* Sharp, 1902. Por primera vez se ilustra en color el habitus de las siguientes especies: *Hemirhopalum bicolor* Sharp, 1902; *Hemirhopalum buprestoide* Sharp, 1902; *Hemirhopalum clythraeforme* Sharp, 1902; *Hemirhopalum hadrotomoide* Sharp, 1902.

Palabras clave: Coleoptera, Dermestidae, *Cryptorhopalum*, *Hemirhopalum*, Taxonomy, designación de lectotipo, Región Neotropical.

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Introduction

The genus *Cryptorhopalum* Guérin-Méneville, 1838 is distributed in the Nearctic and Neotropical Regions and currently contains 150 species and subspecies (Beal 1975, 1985, Háva 2003, Herrmann & Háva 2011). The genus *Hemirhopalum* Sharp, 1902 is distributed in the Nearctic and Neotropical Regions and currently contains 12 species (Mroczkowski 1958, Háva 2003). The present article offers results as a continuation of the preceding articles published by the same author (Háva 2007, 2009, 2012).

Material and Methods

The lectotype is designated in order to stabilize the nomenclature in the genus according to Article 74.7.3. of the Code (ICZN 1999). The specimens hereby designated were provided with red

written labels with the text as follows: "Lectotype [or Paralectotype, respectively], *species name* Sharp, J. Háva design. 2012".

Abbreviations:

BMNH - British Museum of Natural History, London, United Kingdom.

JHAC - Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic.

Results

Genus *Cryptorhopalum* Guérin-Méneville, 1838

Cryptorhopalum quadripunctatum Guérin-Méneville, 1838

Cryptorhopalum septemsignatum Sharp, 1902: 653.

Cryptorhopalum septemsignatum: Mroczkowski, 1968: 137 (synonymy)

Type material: 6 Syntypes: Lectotype designated here (male): "Cahabon, Vera Paz, Champion", (BMNH). Paralectotypes (4 spec.): the same data as lectotype, (BMNH); (1 spec.): "Belize, Blancaeaux", (BMNH).

Other material studied: "Brasil, S. America" [small hand written label] / "coll. Dejean, 99-97" [small printed label] / "nov. sp." [small, hand written label] / *Anthrenus pulchellus* mihi, h. in Brasilia, D. Trobert" [green, hand written label], 1 spec., (BMNH); "Rio Janeiro, Brazil, C. Darwin" [printed label] / "Rio" [small hand written label] / "Darwin coll. 1885-119" [printed label] / "*Cryptorhopalum 4-punctatum* ??, Guerin" [hand written label], 1 spec., (BMNH); "Ven. [Venezuela], Santa Lucia, v-[19]22, L.R. Reynold", (JHAC); "Brazil, Rio Grande, 3.i.1944, C.M. Biezanko leg., BM 1952-89", 2 spec., (BMNH, JHAC).

Remarks: The Sharp's species *C. septemsignatum* is identical to *C. quadripunctatum* Guérin-Méneville, 1838. Mroczkowski (1968) synonymized the species without detailed data and without study of type material of *C. septemsignatum*. The lectotypes are designated in order to stabilize the nomenclature in the species *C. quadripunctatum* Guérin-Méneville, 1838. Further studied material deposited in BMNH includes a specimen from the Dejean's collection labelled *Anthrenus pulchellus*, being the species undescribed and unpublished. Another specimen is from the Darwin's collection.

Distribution: A species known from Belize, Brazil, French Guiana, Guatemala, Honduras, Peru, Trinidad and Venezuela (Háva, 2003).

Genus *Hemirhopalum* Sharp, 1902

Hemirhopalum bicolor Sharp, 1902 (Fig. 1)

Hemirhopalum bicolor Sharp, 1902: 651.

Type material: Holotype (female): "Chontales, Nicaragua, T. Belt." / "Type", (BMNH).

Remarks: The species was redescribed by Mroczkowski (1958), but not illustrated. The habitus is rather damaged. For colour dorsal view of habitus see Fig. 1.

Distribution: A species known from Nicaragua (Háva, 2003).

Hemirhopalum buprestoide Sharp, 1902 (Fig. 2)

Hemirhopalum buprestoide Sharp, 1902: 652.

Type material: Holotype (female): "Cerro Zunil, 4000 ft., Champion" / "Type", (BMNH).

Remarks: The species was redescribed by Mroczkowski (1958), but not illustrated. For colour dorsal view of habitus see Fig. 2.

Distribution: A species known from Guatemala (Háva, 2003).

***Hemirhopalum clythraeforme* Sharp, 1902 (Fig. 3)**

Hemirhopalum clythraeforme Sharp, 1902: 651.

Type material: Holotype (female): "Chiacaman, Vera Paz, Champion" / "Type", (BMNH).

Remarks: The species was redescribed by Mroczkowski (1958), but not illustrated. For colour dorsal view of habitus see Fig. 3.

Distribution: A species known from Guatemala (Háva, 2003).

***Hemirhopalum hadrotomoide* Sharp, 1902 (Fig. 4)**

Hemirhopalum hadrotomoide Sharp, 1902: 652.

Type material: Lectotype (female): "Jalapa, Mexico, Hoege" / "Type" / "Lectotypus, *Hemirhopalum hadrotomoide* Sharp, det. M. Mroczkowski 1956", (BMNH). Paralectotype (female): the same data as lectotype, (BMNH).

Remarks: The species was redescribed by Mroczkowski (1958) who also illustrated its antennae and habitus. For colour dorsal view of habitus see Fig. 4.

Distribution: A species known from Mexico (Háva, 2003).

Key to the Sharp's *Hemirhopalum* species

- 1(4) Elytra bicolorous
- 2(3) Elytra orange with posterior third black *Hemirhopalum bicolor*
- 3(2) Elytra brown with one large orange spot in anterior half *Hemirhopalum hadrotomoide*
- 4(1) Elytra unicolorous
- 5(6) body black, shining *Hemirhopalum clythraeforme*
- 6(5) body brown, matt *Hemirhopalum buprestoide*



Figs. 1-4. - Habitus dorsal view. 1. - *Hemirhopalum bicolor* (holotype). 2. - *Hemirhopalum buprestoide* (holotype). 3. - *Hemirhopalum clythraeforme* (holotype). 4. - *Hemirhopalum hadrotomoide* (lectotype).

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