

**A new *Cryptorhopalum* species from Guatemala  
(Coleoptera: Dermestidae: Megatomini)**

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**Taxonomy, new species, Coleoptera, Dermestidae, Megatomini, *Cryptorhopalum*, Guatemala**

**Abstract.** A new species *Cryptorhopalum mroczkowskii* sp. nov. from Guatemala is described, illustrated and compared with similar species. The new species differs by the colour of the elytral setation, structure of antennae and male genitalia.

## INTRODUCTION

The genus *Cryptorhopalum* Guérin-Ménéville, 1838 of the tribe Megatomini includes 156 valid taxa (Háva & Herrmann 2013, Kadej & Háva 2013), most of which being found in the Neotropical and Nearctic ecozones.

The present article follows the article published by Háva & Herrmann (2013) and contains new faunistic records of *Cryptorhopalum* from Guatemala.

## 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.

pronotal length (PL) - maximum length measured from anterior margin to posterior margin.

pronotal width (PW) - maximum linear transverse distance.

elytral length (EL) - linear distance from shoulder to apex of elytron.

elytral width (EW) - maximum linear transverse distance.

Abbreviations of collections:

CNCI Canadian National Insect Collection, Ottawa, Canada;

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

The type specimens are provided each with a red, printed label showing the text: „HOLOTYPE [or PARATYPE, respectively] *Cryptorhopalum mroczkowskii* sp. nov. Jiří Háva det. 2013”.

## SYSTEMATICS

### *Cryptorhopalum mroczkowskii* sp. nov.

(Figs 1-5)

**Type material.** Holotype (♂): Guatemala, San Lorenzo, Zacapa Dpto., 1800 m, 10-17.vii.1986, L. LeSage lgt. / Sweeping bushes, mainly oak, in clearings, (CNCI). Paratypes (4 ♂♂, 10 ♀♀): the same data (12 CNCI, 2 JHAC); (1 ♂): Guatemala, San Lorenzo, Zacapa Dpto., Sierra de las Minas, 1740 m, J. M. Campbell lgt. / beating mixed vegetation in pine-oak forest, (CNCI).

**Description.** Male. Dorsal surfaces of body black, ventral surfaces of body black and dark brown; oval. Body measurements (in mm): TL 2.8 PL 0.6 PW 1.4 EL 2.2 EW 1.6.

Head black, shining, coarsely punctate, sparsely covered with short black pubescence. Palpi brown. Eyes large, with extremely short, erect and hardly visible microsetae. Ocellus on front present. Antennomeres I, X, XI dark brown, other light brown, with sparsely light brown setation, antennae consisting of 11 antennomeres. Club as long as the rest of the antenna, consisting of three oval segments (Fig. 2).

Pronotum black, coarsely punctate, sparsely covered with suberect, long black and yellow pubescence, with spots of yellow pubescence (Fig. 1); pronotal lateral margins smooth, untoothed.

Scutellum shiny black, without pubescence and distinct punctures, small and somewhat triangular.

Elytra black with three reddish spots covered by yellow pubescence, other parts sparsely covered by quite long, suberect black pubescence, punctures similar to those of pronotum, humerus with a distinct bump; epipleura not visible from above, black covered by black pubescence.

Legs and tarsi dark brown, tarsi somewhat lighter than tibiae, very sparsely covered with yellow hairs.

Prosternal process very broad, coarsely punctate. Mesosternum sparsely covered with suberect, long yellow pubescence and coarsely punctate.

Abdominal ventrites dark brown, coarsely punctate, sparsely covered with long, recumbent yellow pubescence. Ventrite V apically with a spot of long brown pubescence. The 9<sup>th</sup> ventrite as in Fig. 5.

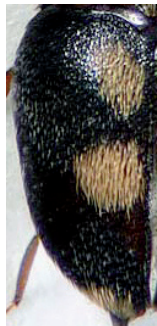



Aedeagus (Fig. 4).

**Female.** Externally similar to the male, but differing in structure of antennal club (Fig. 3).

**Variability.** Body measurements (in mm): TL 2.7-3.4 PL 0.6-0.8 PW 1.4-1.7 EL 2.2-2.7 EW 1.6-2.0.

**Etymology.** Dedicated in memoriam to my colleague in Dermestidae Maciej Mroczkowski (Poland).

**Differential diagnosis.** The new species is similar to the following species, but differs from them as follows:

	<i>C. sexsignatum</i> Reitter, 1881	<i>C. mroczkowskii</i> sp. nov.	<i>C. eximium</i> Arow, 1915	<i>C. quadripunctatum</i> Guérin-Méneville, 1838
antennae	antennomeres X-XI dark brown, other light brown	antennomeres I, X,XI dark brown, other light brown	entirely brown	entirely brown or dark brown
number of elytral spots / colour of spots	three / yellow-whitish 	three / yellow 	two / orange-yellowish 	two / yellow 
pronotal pubescence	lateral parts yellow with small yellow spot near scutellum, otherwise brown	lateral parts yellow with small yellow spot near scutellum, otherwise brown	entirely black	lateral parts yellow with small yellow spot near scutellum, otherwise brown
Distribution	Brazil; French Guyana	Guatemala	Brazil; French Guyana; Peru	Belize; Brazil; French Guyana; Guatemala; Honduras; Panama; Peru; Suriname; Trinidad; Venezuela

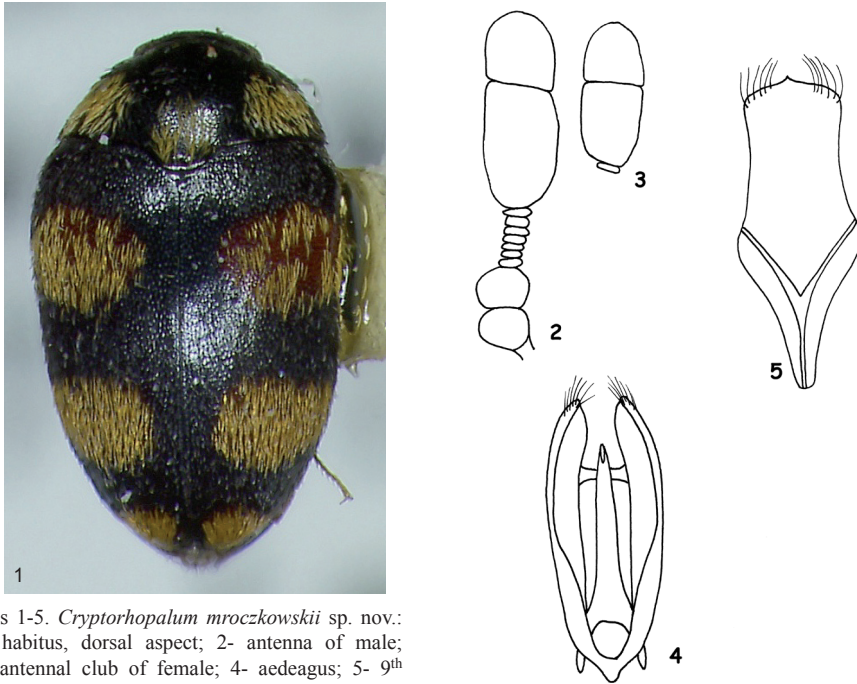
### *Cryptorhopalum mordelloide* Sharp, 1902

**Material examined.** Guatemala, Zacapa, above S. Lorenzo, 1800-2000 m, 7.xi.1986, M. Sharkey lgt., 3 ♀♀, J. Háva det., (CNCI); Guatemala, San Lorenzo, Zacapa Dpto., 1800 m, 10-17.vii.1986, L. LeSage lgt. / sweeping in pine-oak forest, 1 ♂, J. Háva det., (JHAC).

**Distribution.** Species known from Guatemala (Sharp 1902, Háva 2007) only; new locality data.

#### LIST OF ALL *CRYPTORHOPALUM* SPECIES RECORDED FROM GUATEMALA

*Cryptorhopalum ducale* Sharp, 1902  
*Cryptorhopalum equisoleae* Sharp, 1902  
*Cryptorhopalum flammulatum* Sharp, 1902  
*Cryptorhopalum germanum* Sharp, 1902  
*Cryptorhopalum guatemalenum* Sharp, 1902  
*Cryptorhopalum instabile* Sharp, 1902  
*Cryptorhopalum misellum* Sharp, 1902  
*Cryptorhopalum mordelloide* Sharp, 1902  
*Cryptorhopalum mroczkowskii* sp. nov.



Figs 1-5. *Cryptorhopalum mroczkowskii* sp. nov.:  
 1- habitus, dorsal aspect; 2- antenna of male;  
 3- antennal club of female; 4- aedeagus; 5- 9<sup>th</sup>  
 sternite.

*Cryptorhopalum ochraceum* Sharp, 1902

*Cryptorhopalum pedestre* Sharp, 1902

*Cryptorhopalum quadripunctatum* Guérin-Méneville, 1838

*Cryptorhopalum subtile* Sharp, 1902

*Cryptorhopalum vestitum* Sharp, 1902

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