

Caccoleptus (Bicaccoleptus) kacka n. sp.
a new species from Guatemala
(Coleoptera: Dermestidae: Megatominae)

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Abstract: *Caccoleptus (Bicaccoleptus) kacka n. sp.* from Guatemala is described, illustrated and compared with all similar known species.

Key words: Taxonomy, new species, Coleoptera, Dermestidae, *Caccoleptus*, Guatemala

Introduction

The genus *Caccoleptus* Sharp, 1902 is distributed in the Neotropical region and recently contains seven known species divided to three subgenera (BEAL 1978, 1979, HÁVA 2004 a, b, HÁVA & HERRMANN 2007). The presently described species from Guatemala belongs to the subgenus *Bicaccoleptus* Háva, 2004b. All known species belonging to this subgenus are keyed.

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.

Description

Caccoleptus (Bicaccoleptus) kacka n. sp.

(Figs 1–3)

Type material. Holotype (male): Guatemala, Zacapa, 2 km N of Santa Cruz, Bank Rio Pasabien, xi.1986, M. SHARKEY lgt. The holotype is deposited in the author's collection, and is provided with a red, printed label with text as follows: „HOLOTYPE, *Caccoleptus (Bicaccoleptus) kacka* sp. n., Jiří Háva det. 2009”.

Description:

Male habitus as in (Fig. 1). Measurements (in mm): TL 1.65, PL 0.50, PW 0.95, EL 1.35, EW 1.15. Dorsal integument black and orange, pubescence grey and black. Ventral integument black, pubescence grey.

Head finely punctated, with black integument covered by long, grey pubescence. Palpi entirely brown; pubescence on mentum denser. Median frontal ocellus presented. Antennae yellowish-brown, 11-segmented, with 4-segmented antennal club (Fig. 2).

Pronotum with black integument; with long grey pubescence; finely punctated. Antennal cavity very broad, finely punctated.

Elytra with black integument, with median transverse band from grey pubescence, reached sutura and orange apical part; elytra covered by subrecumbent grey pubescence on orange parts and black on other parts; on humera coarsely punctated, other part finely punctated. Epipleuron black with black pubescence.

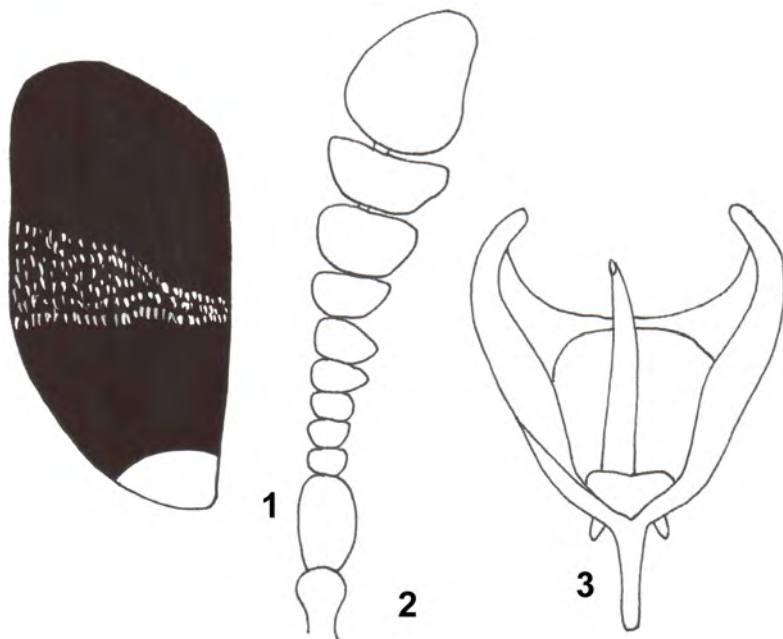
Ventral surfaces with recumbent, grey pubescence; integument of thoracic sterna black; integument of abdominal sterna I–IV dark-brown, V light-brown, covered by grey short pubescence. Prosternal process broad, coarsely punctated.

Mesosternum strongly transverse, with large punctures on lateral parts. Pygidium brown.

Legs brown with short white setae.

Aedeagus as in Fig. 3.

Female: unknown.



Figs 1–3: *Caccoleptus (Bicaccoleptus) kacka* n. sp.: 1) left elytron, dorsal aspect; 2) antenna; 3) aedeagus.

Etymology: Patronymic, named after name of my girlfriend Kačka (= Kateřina) ZOUBKOVÁ from Prague.

Differential diagnosis: The new species belongs to the genus *Caccoleptus* Sharp, 1902, subgenus *Bicaccoleptus* Háva, 2004b according to the bi- or tricolourous integument of elytra. The subgenus contains three known species, the new species differs from them by the following characters:

- | | | |
|---|--|------------------------------------|
| 1 | Integument of pronotum brown. | 2 |
| – | Integument of pronotum black. | 3 |
| 2 | Integument of elytra tricolourous, black, yellow and brown; each elytron with one small yellowish-orange transverse fasciae, not reaching the sutura and one circular black spot; prosternum narrow laterally (Brazil). | <i>C. (B.) ornatus</i> Háva, 2004a |
| – | Integument of elytra bicolourous, orange and dark-brown; each elytron with one orange transverse fasciae, reaching the sutura and | |

- orange apical part; prosternum broad laterally (British Guiana; Colombia; Panama; Venezuela). *C. (B.) wicki* Beal, 1978
- 3 Integument of elytra bicolorous, orange and black; each elytron with one orange-red transverse fasciae, not reaching sutura and orange-red apical part; prosternum broad laterally (Peru).
..... *C. (B.) westerduijni* Háva et Herrmann, 2007
- Integument of elytra bicolorous, orange and black; each elytron with only orange apical part and with one transverse fasciae with greyish pubescence. *C. (B.) kacka* **n. sp.**

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