

A new species of *Caccoleptus* (Coleoptera: Dermestidae) from Guatemala

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Abstract. The new species *Caccoleptus* (*Bicaccoleptus*) *manuelcanoii* sp. nov. from Guatemala is described, illustrated, and compared with similar species.

INTRODUCTION

The genus *Caccoleptus* Sharp, 1902 was recently divided into three subgenera *Bicaccoleptus* Háva, 2004 (5 species), *Caccoleptus* s. str. (6 species) and *Pecticaccoleptus* Háva, 2004 (1 species). Their members occur in the USA (Florida), Mexico, central America and south America; and two species were found in the Dominican amber (Háva 2015a,b; Herrmann, Háva & Kadej, 2015; Poinar & Háva 2015).

MATERIAL AND METHODS

The holotype female is deposited at Universidad del Valle de Guatemala Collection of Arthropods (UVGC). The specimens were photographed with a Motic SMZ-161 stereomicroscope. The species are arranged in alphabetical order here. The nomenclature and zoogeography follow the catalogue of Háva (2015a). The holotype specimen was labelled, with a red-printed label bearing the text as follows: "HOLOTYPE *Caccoleptus* (*Bicaccoleptus*) *manuelcanoii* Háva & García-Ochaeta det. 2021".

DESCRIPTION

***Caccoleptus* (*Bicaccoleptus*) *manuelcanoii* sp. nov.**

(Figs. 1-4)

Type material. Holotype (♀) (UVGC) labelled: a) "Guatemala, Petén / Flores, Santa Elena / 16°54'39.924''N 89°53'33.064''W / 08.vi.2021 / Coll. José Francisco García Ochaeta"; b) "on *Inga vera* Willd. (Fabaceae)".

Description of female holotype. Measurements (in mm): Length 1.83, width at elytral humeri 1.33. Dorsal integument dark brown almost black at the edges of the elytra, setation brown dark and yellow (Fig. 1, 2a-2b). Ventral integument brown, covered by yellow setation (Fig. 3). Head dense and finely punctate, covered by suberect yellow setae. Palpi light brown. Median frontal ocellus present. Eyes large with distinctly visible long, black microsetae. Antennae light brown, with 11 antennomeres, antennal club with 4 antennomeres (Fig. 4). Pronotum with brown

integument and long, recumbent, yellow setation; similar but less densely punctate as the head. Scutellum very small, without setation. Elytra with brown integument in the middle and dark brown laterally, covered by long suberect, yellow and brown setation. The median transverse apical brown band of elytra with yellow setation. Epipleuron brown with yellow recumbent setation. Metasternum darkish brown, coarsely punctate. Abdominal ventrites densely and finely punctate, brown, with yellow, recumbent setation. Legs light brown with short, recumbent, yellow setae.

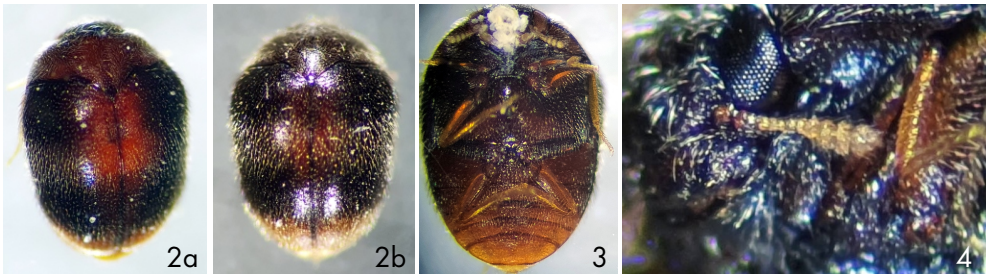
Male unknown.

Differential diagnosis. In Guatemala only 2 species of the subgenus known. The new species resembles the species *Caccoleptus* (B.) *kacka* Háva, 2009 very much but differs from it by the colour of the dorsal integument and structure of antennae. *Caccoleptus* (B.) *manuelcanoii* sp. nov. - pronotum dark brown; elytra with middle brown spot in the apical part; pygidium brown. *Caccoleptus* (B.) *kacka* Háva, 2009 - pronotum black; elytra with brown apical part; pygidium black.

Etymology. The name of this species is dedicated in memory Manuel Francisco Cano Alvarado, who worked and made great contributions to plant health in Guatemala for more than forty years.



1



2a

2b

3

4

Figs. 1-4. *Caccoleptus* (*Bicaccoleptus*) *manuelcanoii* sp. nov. (holotype): 1- adult on *Inga vera* Willd. (Fabaceae); 2a,b-habitus, dorsal aspect; 3-habitus, ventral aspect; 4-antennae.



Figs. 5-8. Habitus, dorsal aspect: 5- *Caccoleptus (Bicaccoleptus) kacka* Háva, 2009, habitus, dorsal aspect; 6- *Caccoleptus (Bicaccoleptus) westerduijini* Háva & Herrmann, 2007; 7- *Caccoleptus (Bicaccoleptus) wicki* Beal, 1978; 8- *Caccoleptus (Bicaccoleptus) ornatus* Háva, 2004.

LIST OF SPECIES OF SUBGENUS *BICACCOLEPTUS* HÁVA, 2004

Caccoleptus (Bicaccoleptus) kacka Háva, 2009

Distribution: Mexico; U.S.A.: Florida; Guatemala

Caccoleptus (Bicaccoleptus) manuelcanoii sp. nov.

Distribution: Guatemala

Caccoleptus (Bicaccoleptus) ornatus Háva, 2004

Distribution: Brazil

Caccoleptus (Bicaccoleptus) prokopi Poinar & Háva, 2015

Distribution: Dominican Republic (fossil: Dominican amber)

Caccoleptus (Bicaccoleptus) westerduijini Háva & Herrmann, 2007

Distribution: Peru

Caccoleptus (Bicaccoleptus) wicki Beal, 1978

Distribution: British Guiana; Colombia; Panama; Trinidad; Venezuela

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REFERENCES

- HÁVA J. 2015a: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera)*. Leiden/Boston: Brill, xxvi + 419 pp.
 HÁVA J. 2015b: *Caccoleptus (Caccoleptus) peruanus* sp. nov., a new species from Peru (Coleoptera: Dermestidae: Megatominae). *Arquivos Entomológicos* 14: 165-167.
 HERRMANN A., HÁVA J. & KADEJ M. 2015: New Dermestidae (Coleoptera: Bostrichoidea) from Peru. *Arquivos Entomológicos* 13: 67-74.
 POINAR G. & HÁVA J. 2015: New Dermestidae (Coleoptera) from Dominican Amber. *Palaeodiversity* 8: 1-11.

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