

**New data on the occurrence of Dermestidae (Coleoptera) from
Hispaniola. Part 1. genus *Dermestes***

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ABSTRACT. This paper includes the data on the occurrence of three dermestid species (Coleoptera) recently recorded from the Dominican Republic: *Dermestes (Dermestes) ater* DEGEER, 1774; *D. (Dermestinus) caninus caninus* GERMAR, 1824 and *D. (D.) maculatus* DEGEER, 1774. It is the first note about faunistic records for the whole family of Dermestidae from Dominicana

KEY WORDS: entomology, faunistics, Coleoptera, Dermestidae, Hispaniola, Dominican Republic

INTRODUCTION

The family Dermestidae is one of the commonly known beetle family and it contains about 1300 species or subspecies worldwide (HÁVA 2006).

Dermestidae from Dominican Republic were not reported in the following catalogues (DALLA TORRE 1911, BLACKWELDER 1945, MROCKOWSKI 1968 and HÁVA 2003). Dermestidae from Dominican amber have been recently studied by HÁVA & PROKOP 2004.

During the determination of the material deposited in CMNH (Carnegie Museum of Natural History, Pittsburg, Pennsylvania, U.S.A.), authors found three new faunistic records from Dominican Republic.

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Locality labels are cited in the original version. Separate labels are indicated by slashes (\). Authors' remarks are placed in square brackets [].

FAUNISTICS

Dermestes (Dermestes) ater DEGEER, 1774

Material examined

“Dominican Republic, Pedernales, Cabo Rojo, 10m, 17.55N, 71.39W, 19-23 October 1991“ \ “R. DAVIDSON, C. YOUNG, S. THOMPSON, J. RAWLINS [lgt.]”, 1 male, (CMNH); “Dominican Republic: Pedernales, 8 km N Cabo Rojo, 30m, 18 July 1987, J. RAWLINS, R. DAVIDSON [lgt.]“, 1 male, 2 females, (CMNH); “Hispaniola, R. Dominica, Juan Dolio, 60 km E. St. Domingo, 23.11.-8.12.1995, J. PECINA lgt.“, 1 male, coll. J. HÁVA.

Cosmopolitan species (HÁVA 2003, 2005), first records from Dominican Republic.

Dermestes (Dermestinus) caninus caninus GERMAR, 1824

Material examined.

“Dominican Republic: Independencia, 4 km S Los Pinos, Loma de Vientos, 475m, 18.35N, 71.46W“ \ “12 October 1991, R. DAVIDSON, C. YOUNG, S. THOMPSON, J. RAWLINS [lgt.], semiarid deciduous forest with pastures”, 11 males, 3 females, (CMNH); “Dominican Republic: Pedernales, Sierra de Baoruco, Aceitillar, 25.2 km ENE Pedernales, 18.05.29N, 71.31.16W, 1272m, 14 June 2003”, \ “C. YOUNG, J. RAWLINS, C. NUNEZ, R. DAVIDSON, P. ACEVEDO, M. DE LA CRUZ [lgt.], dense broadleaf forest, pine, bait trap, sample 42252”, 6 males, 3 females, (CMNH).

Species known from Canada, Hawaiian Is., Mexico, U.S.A., Cuba and Jamaica (HÁVA 2003, 2005), first record from Dominican Republic.

Dermestes (Dermestinus) maculatus DEGEER, 1774

Material examined.

“Dominican Republic: Pedernales. Sierra de Baoruco, Aceitillar, 25.2 km ENE Pedernales, 18.05.29N, 71.31.16W, 1272m, 14 June 2003, C. YOUNG, J. RAWLINS, C. NUNEZ, R.

DAVIDSON, P. ACEVEDO, M. DE LA CRUZ [lgt.], dense broadleaf forest, pine, bait trap, sample 42252", 1 female, (CMNH).

Cosmopolitan species (HÁVA 2003, 2006), first record from Dominican Republic.

Key to the Dominican species within Genus *Dermestes*

- 1(2) abdomen brown to dark brown with small black spots in the middle and laterally on each abdominal sternite; dorsal surface unicolorous brown to black with short intermixed black or brown and yellow pubescence*D. ater*
- 2(1) abdomen with black and white pubescence
- 3(4) each elytron with spines apically; pronotum covered by white pubescence laterally, black discally.....*D. maculatus*
- 4(3) each elytron without spines apically; pronotum covered by brown pubescence with small patches of white pubescence; elytra with small patches with grey-white pubescence*D. caninus caninus*

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