

## ARTIGO / ARTÍCULO / ARTICLE

A new *Anthrenus* Geoffroy, 1762 species from the Canary Islands (Coleoptera: Dermestidae: Megatominae: Anthrenini)

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**Abstract:** *Anthrenus* (*Nathrenus*) *canariensis* sp. nov. (Coleoptera: Dermestidae: Megatominae) from the island of Gran Canaria is described, illustrated and compared with similar species. The new species differs by the structure of antennae and male genitalia.

**Key words:** Coleoptera, Dermestidae, Megatominae, Anthrenini, *Anthrenus*, taxonomy, new species, Canary Islands.

**Resumen:** Una nueva especie de *Anthrenus* Geoffroy, 1762 de las islas Canarias (Coleoptera: Dermestidae: Megatominae: Anthrenini). Se describe e ilustra *Anthrenus* (*Nathrenus*) *canariensis* sp. nov. (Coleoptera: Dermestidae: Megatominae) de la isla de Gran Canaria y se compara con especies similares. La nueva especie se distingue por la estructura de sus antenas y por la genitalia del macho.

**Palabras clave:** Coleoptera, Dermestidae, Megatominae, Anthrenini, *Anthrenus*, taxonomía, nueva especie, Canarias.

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## Introduction

The genus *Anthrenus* Geoffroy, 1762 consists of 10 subgenera: *Anthrenodes* Chobaut, 1898, *Anthrenops* Reitter, 1881, *Anthrenus* s. str., *Florilinus* Mulsant & Rey, 1868, *Helocerus* Mulsant & Rey, 1868, *Nathrenus* Casey, 1900, *Peacockia* Menier & Villemant, 1993, *Ranthenus* Mroczkowski, 1962, *Setapeacockia* Háva, 2008 and *Solskinus* Mroczkowski, 1962 (Háva 2015). In general, this division has been established with regard to the total number of the antennomeres in the antenna and the antennal club, as well as the morphology of the scales and eyes. The genus *Anthrenus* represents only three species recorded from the Canary Islands (Machado & Oromí 2000, Háva 2015). A new species recently collected on Gran Canaria Island at light is described below.

## Material and methods

The size of the beetle and its 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.
- Elytral width (EW) - maximum linear transverse distance.

Deposition of type material: JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

Specimens of the species here described are provided with red, printed label with the text as follows: "HOLOTYPE *Anthrenus* (*Nathrenus*) *canariensis* sp. nov. Jiří Háva det. 2021".

## Results

### *Anthrenus* (*Nathrenus*) *canariensis* sp. nov. (Figs. 1-4)

**Type material.** Holotype (♂): Canary Isl., Gran Canaria, Caldera de Bandama, at light in Hotel Bandama, 20-24.6.2005, T. Makarov leg., (JHAC).

#### Description.

**Male.** Body measurements (mm): TL 1.7 EW 1.1; body dark brown, small, parallel-oval. Dorsal surfaces covered by intermixed dark and light brown and white scales. Head covered by white and light brown scales. Pronotum covered with white scales on lateral margins, disc with brown scales. Prosternum with white scales. Metasternum with uniform white scales, without a large patch at lateral margins. Elytra with intermixed light and dark brown scales, and white scales; white scales forming three narrow, transverse fasciae on each elytron (Fig. 1). Epipleuron with white scales. Individual scales generally widest at about proximal 1/3 or middle with margins tapering gradually toward apex. Antennae consists of 11 antennomeres, brown, antennal club dark brown, consisting of 3 antennomeres (one short and two very large in length), compact (Fig. 2). Antennal fossa very long and broad. Frons with median ocellus. Eyes with entire median margin. Abdominal ventrites I-V without spots, covered by uniform white scales (Fig. 4). Legs brown with white scales and white setae, tarsi very long. Aedeagus as in Fig. 3.

**Female.** Unknown.

**Differential diagnosis.** The genus *Anthrenus* represents only three species distributed in the Canary Islands (Machado & Oromí 2000, Háva 2015). The new species according to morphological characters belongs to the subgenus *Nathrenus* Casey, 1900, and from other Canarian species differs by the following characters:

- antennae composed of 9 antennomeres..... *A. (Anthrenops) coloratus* Reitter, 1881
- antennae composed of 10 antennomeres..... *A. (Anthrenodes) minor* Wollaston, 1865
- antennae composed of 11 antennomeres..... *A. (Nathrenus)*
  - antennal club with three short, narrow, black antennomeres, body oval..... *A. verbasci* (Linnaeus, 1767)
  - antennal club with one short and two very large, broad, dark-brown antennomeres..... *A. canariensis* sp. nov.

**Etymology.** Toponymic, named for the Canary Islands, where the type was collected.

**Distribution.** Canary Islands: Gran Canaria.

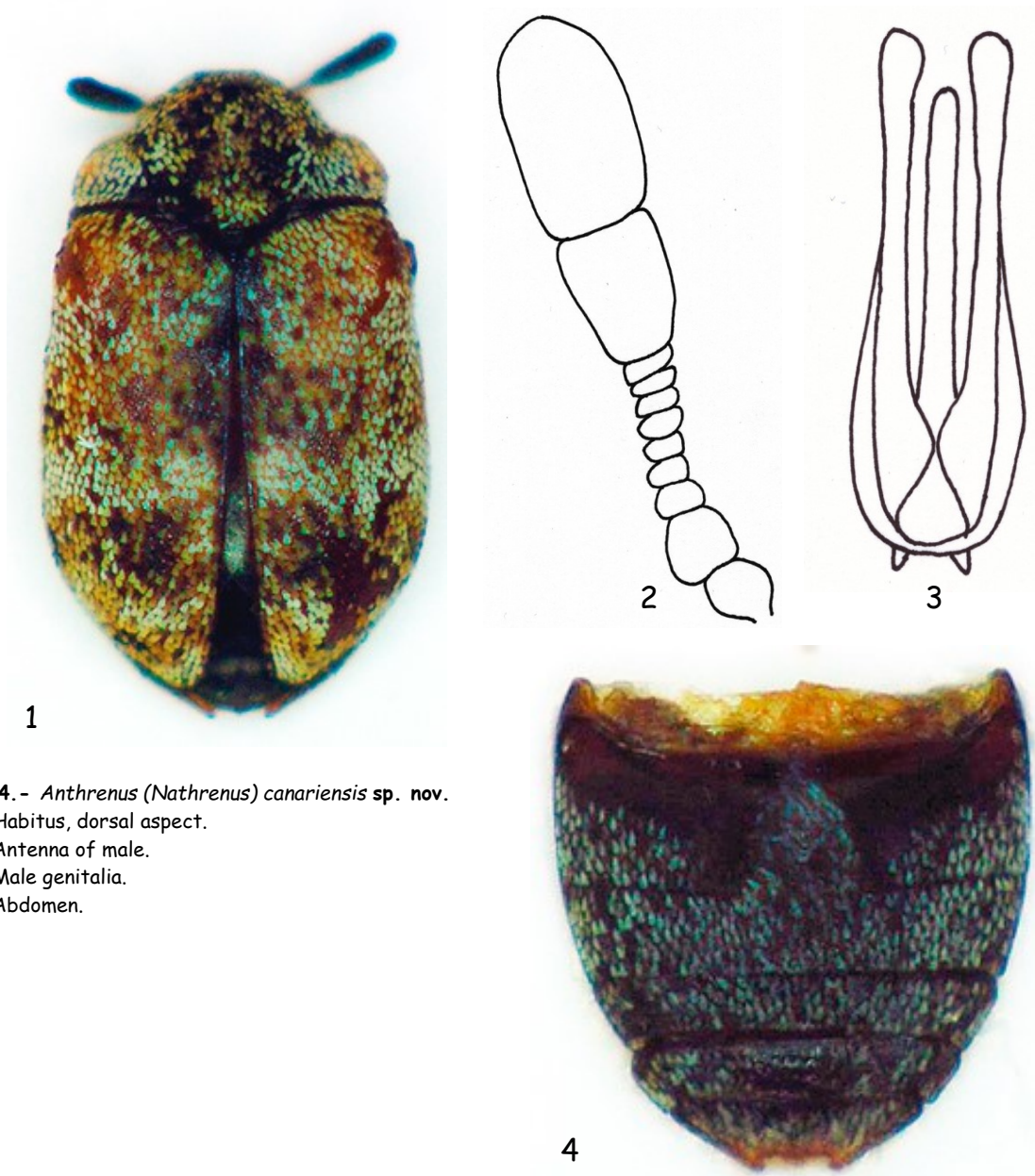
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Figs. 1-4.- *Anthrenus (Nathrenus) canariensis* sp. nov.

- 1.- Habitus, dorsal aspect.
- 2.- Antenna of male.
- 3.- Male genitalia.
- 4.- Abdomen.