

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

JIRÍ HÁVA¹ & ANDREAS HERRMANN²

¹Forestry and Game Management Research Institute,
Strnady 136, CZ-156 00 Praha 5 - Zbraslav, Czech Republic
e-mail: jh.dermestidae@volny.cz

²Bremervörder Strasse 123, 21682 Stade, Germany
e-mail: herrmann@coleopterologie.de

HÁVA, J. & HERRMANN, A.: *A new Anthrenus Geoffroy, 1762 species from Crete (Coleoptera: Dermestidae: Megatominae: Anthrenini)*.

Abstract: A new species, *Anthrenus (Nathrenus) obenbergeri* **sp. nov.**, collected in Greece: Crete is described, illustrated and compared with the similar species *A. (N.) molitor* Aubé, 1850. The new species differs by the structure of antennae and male genitalia.

Keywords: taxonomy, new species, Coleoptera, Dermestidae, Megatominae, Anthrenini, Anthrenus, Greece, Crete.

Introduction

The genus *Anthrenus* Geoffroy, 1762 consists of 10 subgenera: *Anthrenodes* Chobaut, *Anthrenops* Reitter, *Anthrenus* s. str., *Helocerus* Mulsant et Rey, *Florilinus* Mulsant et Rey, *Nathrenus* Casey, *Peacockia* Menier et Villemant, *Ranthenus* Mroczkowski, *Setapeacockia* Háva, and *Solskinus* Mroczkowski (HÁVA 2015). In general, this division has been established with regard to the total number of the antennomeres and antennal club, as well as the morphology of the scales and eyes (KADEJ & HÁVA 2015, HÁVA 2017). A new species recently collected in Greece: Crete is described herewith.

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.

elytral width (EW) - maximum linear transverse distance.

The following abbreviations refer to the collections, in which the examined materials are deposited:

AHEC - Andreas Herrmann, private collection, Stade, Germany
 JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy
 Prague-West, Czech Republic
 NHRS - Naturhistoriska Riksmuseet, Stockholm, Sweden
 NMWC - Natural Sciences National Museum Wales, Cardiff, United Kingdom
 PZPC - Petr Zahradník, private collection, Jesenice, Prague-West, Czech Republic
 ZSPC - Zdeněk Švec, private collection, Praha, Czech Republic

Specimens of the species described here are provided with printed red labels with text as follows: „HOLOTYPE [or PARATYPE] *Anthrenus (Nathrenus) obenbergeri* sp. nov., J. Háva & A. Herrmann det. 2021”.

Results

Anthrenus (Nathrenus) obenbergeri sp. nov. (Figs. 1-4)

Material examined:

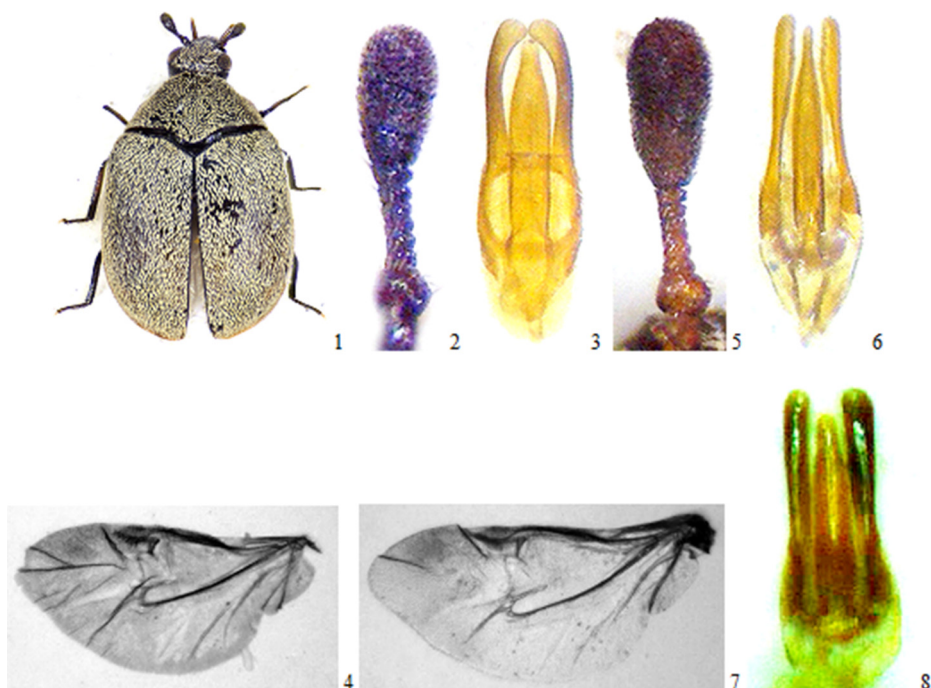
Holotype: Male: „Kreta V, Kaloudiana, T-E Leiler, 28.5.1985“, (NHRS).

Paratypes: (1 ♂, 1 ♀): same data as holotype (NHRS); (5 ♂♂, 36 spec.): Greece, Crete mer., Plakias env., 6-16.vii.2005, P. Zahradník lgt., (JHAC, 1 PZAC); (1 ♂, 1 ♀): Crete, Episkopi-beach, Rethino pref., 14-15.6.1992, J. Batelka lgt., (JHAC); (2 ♂♂, 1 ♀): Greece, Crete, Panormo, 12.6.2004, Z. Švec lgt., (JHAC, ZSPC); (1 ♂): Greece, Crete, Kavallós, Chania, 03.06.1981, Hans Mühle leg., (AHEC); (1 ♂, 1 ♀): Greece, Crete, Plakias, 07.07.1986, leg. Suppantisch, (AHEC); (17 spec.): Crete, Agios Ioanis, 12.7.2005, P. Zahradník lgt., (PZAC, 2 JHAC); (1 spec.): Crete, Amudarion, 1983, M. Sláma lgt., P. Zahradník det. as *A. molitor*, (PZAC); (6 spec.): Greece: Crete, Rhethymnon, Platanos, 2-7.vii.2014, B. Levey, (NMWC); (2 spec.): Greece, Crete, Chania Prov., Aghia Marina, Olive grove, white umbelliferae, 15.vii.2006, B. Levey, (NMWC).

Description: Male body measurements (mm): TL 2.2, EW 1.5; color of the whole body deep black except the brown labrum and dark brown legs, oval, all surfaces covered with light grey scales; the scales touch each other but don't overlap. Eyes large with barely visible microsetae, with entire median margin. Ocellus distinctly present on frons. Pronotum broadest at its hind edges, narrowed towards the front, middle of the hind margin projected towards the scutellum, lateral margins partly visible from above. Scutellum very small, broadly triangular, shiny without setae; elytra quite densely punctate, punctuation barely visible beyond the scales. Antennae consist of 11 antennomeres, black to dark brown, antennal club black, with 3 antennomeres, compact (Fig. 2). Sternites I-V with similar punctuation as on the elytra, covered in the same way with light grey scales. Legs dark brown with a few short brown setae and a row of thorns at the outer edge, the tarsi distinctly shorter than the tibiae. Aedeagus as in Fig. 3. Wing as in Fig. 4.

Sexual dimorphism: Female similar to male.

Variation in body size: TL 1.9-2.3 mm



Figs. 1-8: *Anthrenus (Nathrenus) obenbergeri* sp. nov.: 1- habitus, dorsal view; 2- antenna of male; 3- male genitalia; 4- wing; *Anthrenus (Nathrenus) molitor* Aubé, 1850: 5- antenna; 6- male genitalia; 7- wing; *Anthrenus (Nathrenus) bulirschi* Háva, 2000: 8- male genitalia

Differential diagnosis: Because of the morphological characters the new species belongs to the subgenus *Nathrenus* Casey, 1900, and according to the unicolorous white and milk scales on dorsal and ventral surfaces it looks extremely similar to *A. (N.) molitor* Aubé, 1850, but differs from that species by the structure of antenna and male genitalia, from next similar species *A. (N.) bulirschi* Háva, 2000, it differs by the structure of male genitalia.

Distribution: So far known from the island Crete in Greece.

***Anthrenus (Nathrenus) molitor* Aubé, 1850**
(Figs. 5-7)

Material examined: Greece occ, Sivota, 85 km S Igoumenitsa, 20-27.5.2000, F. Kanther lgt., 11 spec., (JHAC); Greece, Preveza, 15.vi.1999, Z. Švec lgt., 4 spec., (JHAC); Greece, Taygetos Mts., Asaphigion, 14-15.vi.1974, Horák & Švihla lgt., 45 spec., (JHAC).

Distribution: Known from Europe: Albania, Bulgaria, Croatia, France, Greece, Italy, Macedonia, Spain, Asia: Iraq, Israel, Lebanon, Turkey and Africa: Algeria, Egypt, Morocco, Tunisia.

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