

ARTIGO / ARTÍCULO / ARTICLE
A new *Anthrenus* Geoffroy, 1762 from Morocco
(Coleoptera: Dermestidae: Megatominae: Anthrenini).

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Abstract: The species *Anthrenus* (*Nathrenus*) *kopecky* sp. nov. (Coleoptera: Dermestidae) from Morocco is described, illustrated and compared with similar species *A.* (*Nathrenus*) *biskrensis* Reitter, 1887 and *A.* (*Anthrenops*) *bellulus* Chobaut, 1897.

Key words: Coleoptera, Dermestidae, Megatominae, Anthrenini, *Anthrenus*, Taxonomy, new species, Morocco.

Resumen: Un nuevo *Anthrenus* Geoffroy, 1762 de Marruecos (Coleoptera: Dermestidae: Megatominae: Anthrenini). Se describe e ilustra la especie *Anthrenus* (*Nathrenus*) *kopecky* sp. nov. (Coleoptera: Dermestidae) de Marruecos y se compara con las especies similares *A.* (*Nathrenus*) *biskrensis* Reitter, 1887 and *A.* (*Anthrenops*) *bellulus* Chobaut, 1897.

Palabras clave: Coleoptera, Dermestidae, Megatominae, Anthrenini, *Anthrenus*, Taxonomía, nueva especie, Marruecos.

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Introduction

The genus *Anthrenus* Geoffroy, 1762 consists of 10 subgenera: *Anthrenodes* Chobaut, 1898, *Anthrenops* Reitter, 1881, *Anthrenus* Geoffroy, 1762, *Helocerus* Mulsant & Rey, 1868, *Florilinus* Mulsant & Rey, 1868, *Nathrenus* Casey, 1900, *Peacockia* Menier & Villemant, 1993, *Rathenus* 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 antenna and antennal club, as well as the morphology of the scales and eyes (Kadej & Háva 2012, 2015). The new species recently collected in Morocco is described below.

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.

Deposit 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 a red, printed label with text as follows: "HOLOTYPE [or PARATYPE, respectively] *Anthrenus* (*Nathrenus*) *kopecky* sp. nov. Jiří Háva det. 2016".

Taxonomy

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

Type material. Holotype (♂): Morocco SE, Draa river valley, Tamnogalt env., 20 km S Agdz, 18-21.V.2003, T. Kopecký leg., (JHAC). Paratypes (3♂♂): the same data as holotype, (JHAC).

Description.

Male body measurements (mm): TL 1.8 EW 1.2; body dark brown, small, oval. Dorsal surfaces covered by intermixed brown, orange-yellow and white scales. Head covered only by white scales. Pronotum covered by brown scales with white scales on lateral margins. Elytra with brown, orange-yellow and white scales; white and orange-yellow scales forming small spots on each elytron (Fig. 1). Epipleuron with white scales. Individual scales generally widest at about proximal 1/3 or middle with margins tapering gradually towards apex. Antennae consists of 11 antennomeres, dark brown, antennal club consists of 3 antennomeres, compact, terminal antennomere large and oval (Fig. 2). Antennal fossa very long and narrow. Frons with median ocellus. Eyes with entire median margin. Ventral surface covered with white scales, particular abdominal sternites bearing very small spots of yellowish scales at antero-lateral margins. Sternites I-V without spots in the middle, covered by white scales. Prosternum only with white scales. Metasternum only with white scales, without a large patch at lateral margins. 9th sternite as in Fig. 3. Legs brown with white scales and white setae. Aedeagus as in Fig. 4.

Sexual dimorphism. Female unknown.

Variability. In the type series presented two specimens have different elytral colour, the white spots are extremely large (black area is small) and elytral cuticula is light brown. Body measurements (mm): TL 1.6-1.8 EW 1.0-1.2.

Differential diagnosis. The new species belongs to the subgenus *Nathrenus* Casey, 1900 according to morphological characters, but visually is very similar to *A. (Anthrenops) bellulus* Chobaut, 1897 but differs from it by its 11-segmented antennae; from similar species *A. (Nathrenus) biskrensis* Reitter, 1887 (Morocco, Libya, Algeria, Tunisia, Lampedusa, Malta, Sicily, Spain) (TL 2.0-2.4 mm) differs by the small body, structure of antennae (terminal antennomere very large and circular in *A. biskrensis* Reitter, 1887), male genitalia and pronotal and elytral spots.

Etymology. Patronymic, dedicated to my friend Tomáš Kopecký (Hradec Králové, Czech Republic), an specialist in Carabidae (Coleoptera).

Remarks. The new species was collected on flowers together with 4 specimens of *Phradonoma cercyonoides* Reitter, 1887.

Distribution. SE Morocco. Type locality as Fig. 6.

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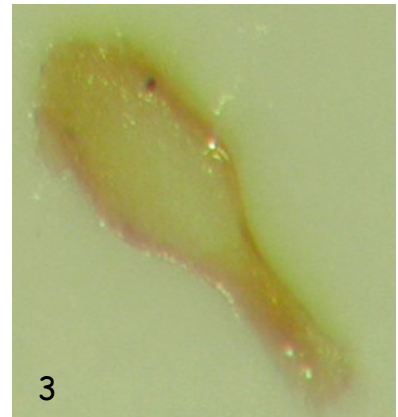
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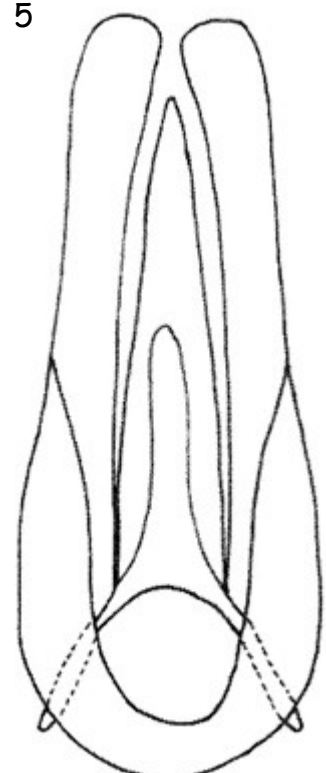


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Figs. 1-4. - *Anthrenus (Nathrenus) kopecky* sp. nov. 1.- Habitus, dorsal aspect (paratype). 2.- Antenna of male. 3.- 9th sternite. 4.- Male genitalia.

Figs. 5. - *Anthrenus (Nathrenus) biskrensis* Reitter, 1887, male genitalia.



Fig. 6. - Type locality of *Anthrenus* (*Nathrenus*) *kopeckyi* sp. nov. (photo by T. Kopecký).