

***Anthrenus (Florilinus) moroccanus* sp. nov., a new species from Morocco (Coleoptera: Dermestidae: Megatominae: Anthrenini)**

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Abstract. The species *Anthrenus (Florilinus) moroccanus* sp. nov. from Morocco is described, illustrated and compared with similar species. The new species differs by the structure of antennae and colour of elytral scales.

INTRODUCTION

The genus *Anthrenus* Geoffroy, 1762 consists of 10 subgenera: *Anthrenodes* Chobaut, *Anthrenops* Reitter, *Anthrenus* s. str., *Helocerus* Mulsant and Rey, *Florilinus* Mulsant and Rey, *Nathrenus* Casey, *Peacockia* Menier and Villemant, *Rathenus* Mroczkowski, *Setapeacockia* Háva, and *Solskinus* Mroczkowski (Háva 2007, 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). The new species described here belongs to the subgenus *Florilinus* Mulsant and Rey and was collected in south-east Morocco.

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.

pronotal length (PL) - maximum length measured from anterior margin to posterior margin.

pronotal width (PW) - maximum linear transverse distance.

elytral length (EL) - linear distance from shoulder to apex of elytron.

elytral width (EW) - maximum linear transverse distance.

Deposition of holotype: JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Praha-západ, Czech Republic.

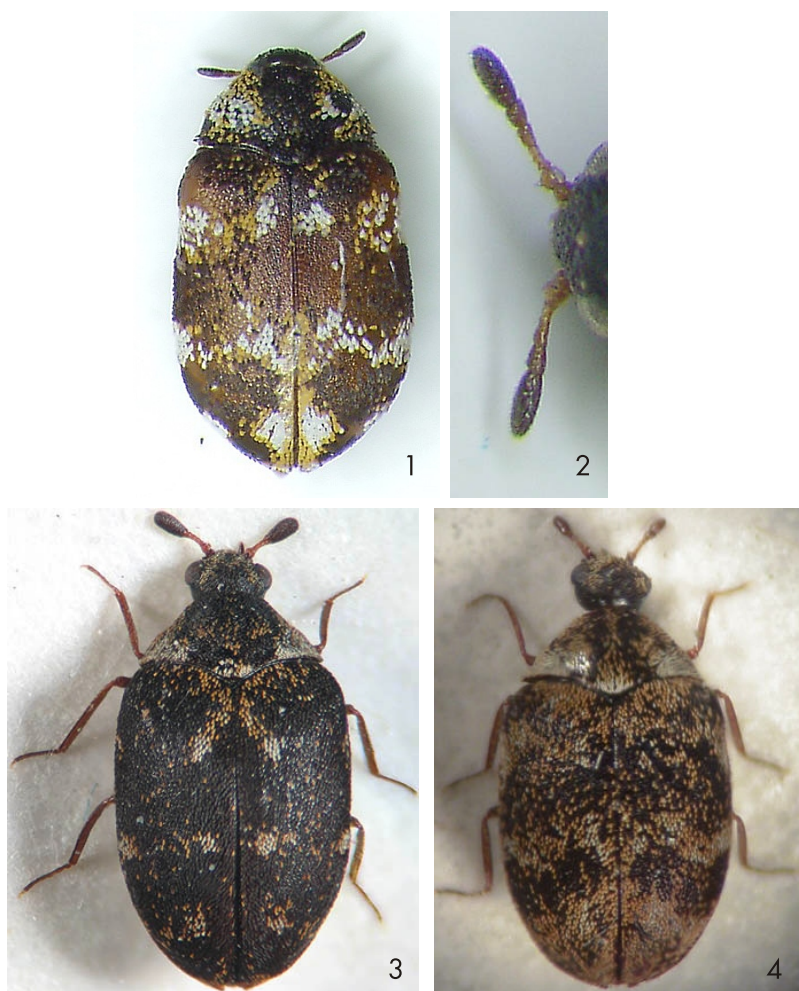
DESCRIPTION

***Anthrenus (Florilinus) moroccanus* sp. nov.**

(Figs. 1-2)

Type material. Holotype (♀): „Morocco SE, 15 km W of Figuig, 930 m, 32°09.25'N 01°19.55'W, 27.iv.2009, lgt. P. Kabátek", (JHAC). Specimen of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE *Anthrenus (Florilinus) moroccanus* sp. n. Jiří Háva det. 2015".

Description. Female body measurements (mm): TL 2.4, PL 0.6, PW 1.0, EL 1.9, EW 1.4; body brown-black, small, oval. Dorsal surfaces covered by intermixed black, yellow and white scales.



Figs. 1-4. *A. (F.) moroccanus* sp. nov. (holotype): 1- habitus dorsal aspect; 2- antenna of female; *A. (F.) museorum* (Linnaeus, 1761): 3- habitus of male; 4- habitus of female.

Head covered only by black scales. Pronotum covered by intermixed white and yellow scales on lateral margins, black scales on the disc. Elytra with black, yellow and white scales; white and yellow scales forming of three transverse fasciae related to suture on each elytron, other parts covered by black scales; yellow scales bordering white fasciae. Epipleuron with white scales. Individual scales broadly subtriangular. Antennae consist of 11 antennomeres, antennomeres I-VI brown, VII-VIII dark brown, antennal club consists of 2 antennomeres, compact (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 yellow scales at antero-lateral margins. Sternites I-V without spots in the middle. Prosternum only with white scales. Metasternum only with white scales, without a large patch at lateral margins. Legs brown with white scales and white setae.

Sexual dimorphism. Male unknown.

Differential diagnosis. The new species belongs according to 8 antennomeres to the subgenus *Florilinus* Mulsant & Rey, 1868; from north Africa, only two species are known: *A. (F.) museorum* (Linnaeus, 1761) (cosmopolitan) and *A. (F.) sordidulus* Reitter, 1889 (Egypt). It can be distinguished from these species by the following characters:

- 1(2) elytra covered with unicolorous grey or milk scales; abdominal visible ventrites with unicolorous grey or milk scales *A. (F.) sordidulus* Reitter, 1889
- 2(1) elytra covered with black, white and yellow scales
- 3(4) head covered with yellow and black scales; yellow and white scales not bordered on the elytral suture; female antennomere VIII is 1.5-1.6 x longer than antennomere VII *A. (F.) museorum* (Linnaeus, 1761)
- 4(3) head covered with black scales; yellow and white scales bordered on the elytral suture; female antennomere VIII is 2.6x longer than antennomere VII *A. (F.) moroccanus* sp. nov.

Etymology. The new species epithet refers to Morocco, where the holotype was collected.

Remarks. The new species collected together with *Attagenus civetta* (Mulsant & Rey, 1868) and *Attagenus uniformis* Fairmaire in Fairmaire & Coquerel, 1860.

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REFERENCES

- HÁVA J. 2007: Dermestidae pp. 57, 299-320. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea and Cucujoidea*. Stenstrup: Apollo Books, 935 pp.
- HÁVA J. 2015: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera)*. Leiden/Boston: Brill, xxvi + 419 pp.
- KADEJ M. & HÁVA J. 2012: On the genus *Anthrenus* Geoffroy, 1762 (Coleoptera: Dermestidae) from Nepal and North India with a description of a new species. *Annales Zoologici* 62(2): 253-259.