Study of the genus *Anthrenus* subgenus *Anthrenodes*. Part 2. New species from Sudan and Kenya (Coleoptera: Dermestidae: Megatominae)

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Abstract. The following species are described: *Anthrenus* (*Anthrenodes*) *darfurensis* sp. nov. (Sudan) and *Anthrenus* (*Anthrenodes*) *jendeki* sp. nov. (Kenya); the new species differ from known Afrotropical species by the structure of the antennae and the male genitalia.

INTRODUCTION

The subgenus *Anthrenodes* Chobaut, 1898 of the genus *Anthrenus* Geoffroy, 1762 currently contains 34 species worldwide (Háva 2023, 2024) and five species are known from the Afrotropical Region (Háva 2024, Háva & Coache 2023).

The subgenus is characterized by antennae consisting of 10 antennomeres. Males differ from females by the shape of the antennal club. In males, the terminal antennomere is larger or longer than the penultimate one; in females it is as long as the penultimate one. Adults can be found on plants, but also in households, where the larvae are harmful to different commodities of natural origin. They are feared pests in museum collections (Peacock, 1993; Háva 2023). The two new species are described bellow.

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:

TL: total length - linear distance from anterior margin of pronotum to apex of elytra.

EW: elytral width - maximum linear transverse distance.

Acronym of material depositories:

JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

Specimens of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE [or PARATYPE] *species name* sp. nov. Jiří Háva det. 2023".

RESULTS

Anthrenus (*Anthrenodes*) *darfurensis* sp. nov.

(Figs. 1-3)

Type material. Holotype (♂): Sudan, Prov. N Darfur, Haluf, 750 m, 10 km n. El Fasher, feuchtes Wadi / gekätschert, 31.vii.1977, H. J. Bremer lgt., (JHAC).

Description. Male. Body TL 2.1 mm, EW 1.4 mm; body black, small, oval. Dorsal surface covered by light brown and white scales. Individual scales small, broad, subtriangular.

Head covered by intermixed light brown and white scales. Antennae with 10 dark brown antennomeres, antennal club with 3 antennomeres, compact (Fig. 2). Frons with median ocellus. Eyes large, with internal, medial deep emargination and with very short and hardly visible erect microsetae. Labrum and palpomeres dark brown.

Pronotum covered by light brown scales discally (intermixed individual white scales) and with white scales on lateral margins (Fig. 1).

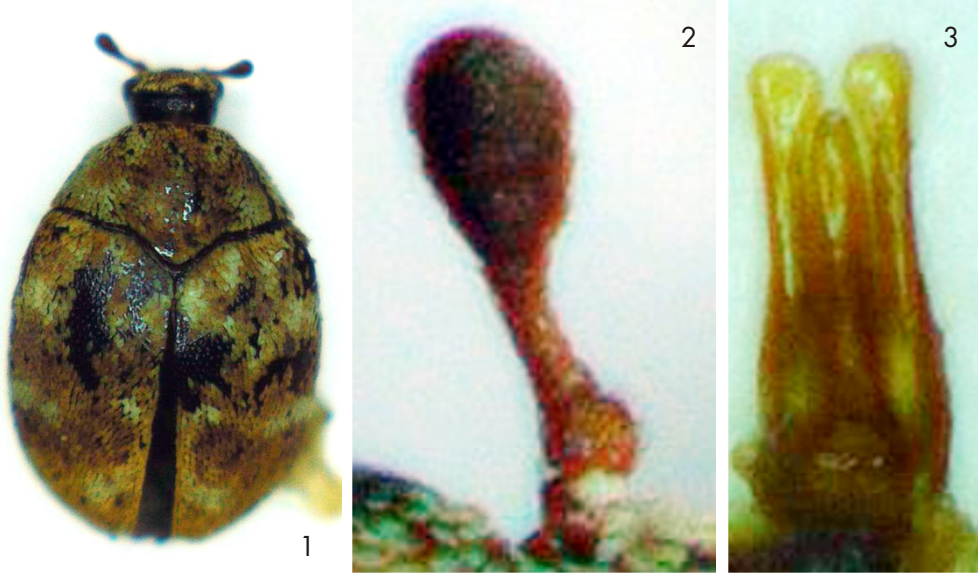
Scutellum small, triangular without scales.

Elytra with light brown and white scales; white scales forming spots on each elytron, other parts covered by light brown scales. Epipleuron with white scales.

Ventral surface covered with white and brown scales. Prosternum with only white scales. Metasternum with white scales, with a small patch at lateral margins of brown scales. Abdominal ventrites I-V without spots in the middle and with large light brown spots at antero-lateral margins.

Legs brown with white scales and white setae.

Male aedeagus (Fig. 3).



Figs. 1-3. *Anthrenus* (*Anthrenodes*) *darfurensis* sp. nov.: 1- habitus, dorsal; 2- antenna; 3- male genitalia.

Female. Unknown.

Differential diagnosis. The new species is similar to *A. poggii* Háva, 2002 and *A. wittmeri* Mroczkowski, 1980 but differs from them by the structure of the antennae and the male genitalia and elytral scale colour patterns.

Etymology. Toponymic, named for Darfur Province.

***Anthrenus* (*Anthrenodes*) *jendeki* sp. nov.**

(Figs. 4-6)

Type material. Holotype (♂): Kenya, Tana riv., Tarda camp env., 02°16′S, 40°15′E, 13-18.iv.2006, E. Jendek lgt., (JHAC). Paratype (1 ♀): same data as holotype, (JHAC).

Description. Male. Body TL 2.1 mm, EW 1.5 mm; body black, small, oval. Dorsal surface covered by brown and milky scales. Individual scales small, broad, subtriangular.

Head covered by milky scales. Antennae with 10 brown antennomeres, antennal club with 3 antennomeres, compact (Fig. 5). Frons with median ocellus. Eyes large, with internal, medial deep emargination and with very short and hardly visible erect microsetae. Labrum and palpomeres dark brown.

Pronotum covered by brown scales discally (intermixed individual milky scales) and with milky scales on lateral margins (Fig. 4).

Scutellum small, triangular without scales.

Elytra with milky and brown scales; brown scales forming spots on each elytron, other parts covered by milky scales. Epipleuron with milky scales.

Ventral surface covered with milky and brown scales. Prosternum only with milky scales. Metasternum with milky scales, with a very small patch at lateral margins from light brown scales. Abdominal ventrites I-V without spots in the middle and with small brown spots at antero-lateral margins.

Legs brown with milky scales and white setae.

Male aedeagus (Fig. 6).

Figs. 4-6. *Anthrenus* (*Anthrenodes*) *jendeki* sp. nov.: 4- habitus, dorsal; 5- antenna; 6- male genitalia.

Female. Similar to male.

Differential diagnosis. The new species is similar to *A. fernandezi* Háva, 2003 but differs from it by the form of the scales, the structure of the antennae and the male genitalia.

Etymology. Patronymic, dedicated to the collector of the new species Eduard Jendek (Slovakia) specialist in Coleoptera: Buprestidae.

LIST OF *ANTHRENODES* SPECIES RECORDED FROM AFROTROPICAL REGION

A. darfurensis sp. nov.	Sudan
A. fernandezi Háva, 2003	Burkina Faso, Cameroon, Nigeria, Tchad
A. guineaensis Háva, 2004	Guinea
A. jendeki sp. nov.	Kenya
A. poggii Háva, 2002	Ethiopia, Somalia
A. sarahae Háva & Coache, 2023	Benin
A. wittmeri Mroczkowski, 1980	Eritrea, Sudan, Saudi Arabia

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