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Jiri Hava. Study of the genus *Anthrenus* subgenus *Florilinus* from the Afrotropical Region (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 2023, 11 (46), pp.1-2. hal-04149739v1

HAL Id: hal-04149739

<https://hal.science/hal-04149739v1>

Submitted on 4 Jul 2023 (v1), last revised 15 Jul 2023 (v2)

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Faunitaxys

*Revue de Faunistique, Taxonomie et Systématique
morphologique et moléculaire*



Volume 11
Numéro 46

Juillet 2023

ISSN (Print) : 2269 - 6016
ISSN (Online) : 2970 - 4960
Dépôt légal : Juillet 2023

Faunitaxys

*Revue de Faunistique, Taxonomie et Systématique
morphologique et moléculaire*

ZooBank : <http://zoobank.org/79A36B2E-F645-4F9A-AE2B-ED32CE6771CC>

Directeur de la publication, rédacteur, conception graphique et PAO:

Lionel Delaunay

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et sur simple demande aux particuliers (format PDF)

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La parution de *Faunitaxys* est apériodique

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Imprimée sur les presses de SPEED COPIE, 6, rue Tréfilerie, F- 42100 Saint-Etienne

Imprimé le 01 07 2023

Study of the genus *Anthrenus* subgenus *Florilinus* from the Afrotropical Region (Coleoptera: Dermestidae: Megatominae)

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Keywords:

Coleoptera; taxonomy;
Dermestidae; new species;
Anthrenus; description;
Florilinus; Ethiopia.
ethiopicus;

Abstract. – The species *Anthrenus (Florilinus) ethiopicus* sp. nov. from Ethiopia is described, illustrated and compared with a similar species. The new species differs by the structure of the antennae and male genitalia.

Háva J., 2023. – Study of the genus *Anthrenus* subgenus *Florilinus* from the Afrotropical Region (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 11(46) : 1 – 2.

DOI: [https://doi.org/10.57800/faunitaxys-11\(46\)](https://doi.org/10.57800/faunitaxys-11(46))

ZooBank: <http://zoobank.org/6A595AFD-B4A6-4907-A7C8-8C463ADBA5AC>

Received: 25/06/2023 – Revised: 27/06/2023 – Accepted: 28/06/2023

Introduction

The subgenus *Florilinus* Mulsant et Rey, 1868 of the genus *Anthrenus* Geoffroy, 1762 currently contains 36 species known worldwide (Háva 2023a,b). The subgenus is not known from Ethiopia, and in fact from the Afrotropical Region only one introduced cosmopolitan species *Anthrenus (F.) museorum* (Linnaeus, 1761) is known.

The subgenus is characterized by antennae consisting of eight antennomeres. Males differ from females by the shape of the antennal club. In males, the terminal antennomere is 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 larvae are harmful to different commodities of natural origin. They are feared pests in museum collections (Peacock 1993, Háva 2021).

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 head to apex of elytra.

EW: Elytral width = maximum linear transverse distance.

The material mentioned is deposited in (JHAC) - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

Specimens of the species described here are provided with red, printed labels with text as follows:

« HOLOTYPE *Anthrenus (Florilinus) ethiopicus* sp. nov. Jiří Háva det. 2023.»

Description

Anthrenus (Florilinus) ethiopicus sp. nov.

(Fig. 1-3)

ZooBank: <http://zoobank.org/BCD52F35-A608-452C-81B7-3B6EFDAAE4FE>

Holotype, ♂, Ethiopia, Addis Ababa, Akahi r., litter sample / 6.x.1980, leg. Demeter / *Anthrenus* sp. nov. ?, D.G.H. Halstead det. 1994, (JHAC).

Description of the holotype

Body. – Body measurements (mm): TL 1.8 EW 1.2; body dark brown, small, oval (Fig. 1). Dorsal surfaces covered by brown and white scales.

Head. – Covered only by white scales. Palpomeres brown. Antennae consisting of eight brown antennomeres, terminal antennomere long [abnormal, with spine, probably teratological] (Fig. 2). Antennal fossa long and broad. Frons with median ocellus. Eyes with entire median margin.

Pronotum. – Covered with white scales, only discally with intermixed brown scales.

Scutellum. – Very small, triangular, without scales.

Elytra. – With brown and white scales; white scales forming transverse fasciae and apical spot on each elytron.

Epipleuron. – Very short, with white scales. Individual scales small, triangular.

Ventral surface. – Covered with white scales, abdominal ventrites covered only by white scales. Prosternum only with white scales. Metasternum only with white scales.

Legs. – Brown with white scales and white setae.

Aedeagus. – As in (Fig. 3).

Female. – Unknown.

Reviewer :

Andreas Herrmann (Germany) - <http://zoobank.org/64D7C64F-F16C-4BAB-9BE3-B8B65D1FACDB>



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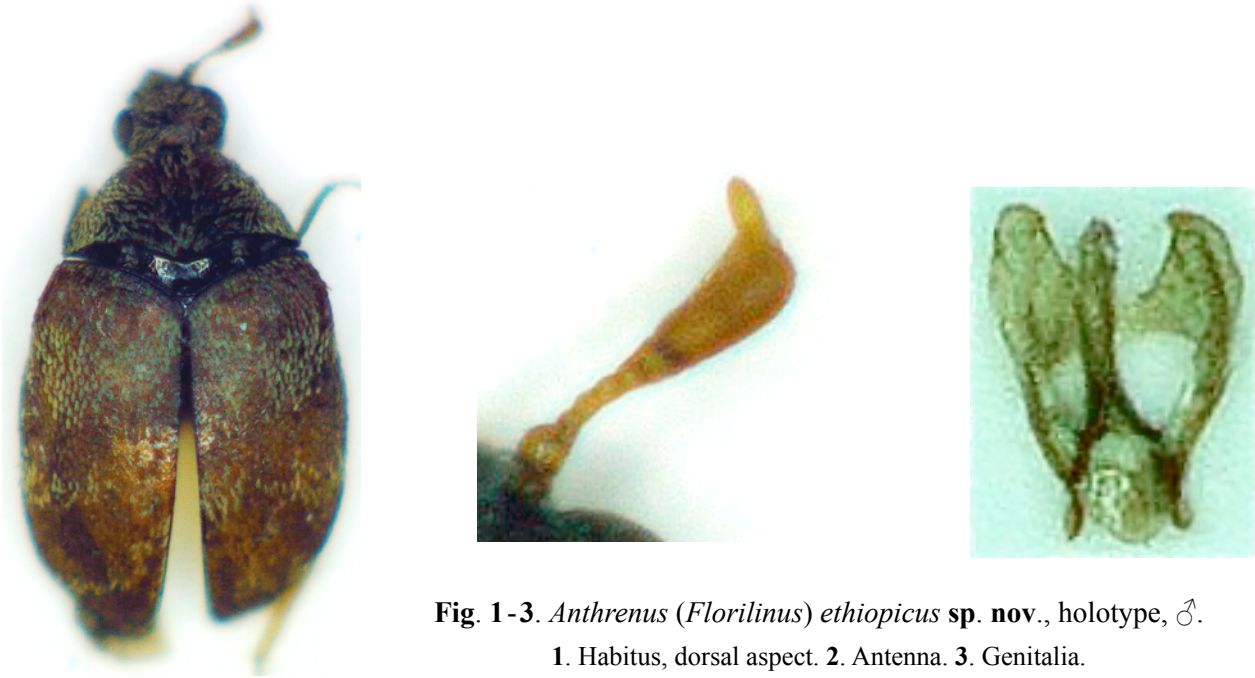


Fig. 1-3. *Anthrenus (Florilinus) ethiopicus* sp. nov., holotype, ♂.

1. Habitus, dorsal aspect. 2. Antenna. 3. Genitalia.

Differential diagnosis. – The new species is similar to the cosmopolitan species *Anthrenus (Florilinus) museorum* (Linnaeus, 1761), but differs from it by the shape of the body, structure of antennae, male genitalia and colour of the scales; from other *Florilinus* species it differs by the same characters.

Etymology. – Toponymic, named after the type locality, country of Ethiopia.

Acknowledgements

I very indebted to Larry G. Bezark (California, U.S.A.) for the revision of the English text of the manuscript.

References

Háva J., 2021. – *Brouci čeledi kožojedovití (Dermestidae) České a Slovenské republiky. Druhé, doplněné vydání. Beetles of the family*

Dermestidae of the Czech and Slovak Republics. Second Updated Edition. Praha: Academia, 127 + 44 pp. (in Czech and English)

Háva J., 2023a. – *Dermestidae World (Coleoptera).* - World Wide Web electronic publication (open in 2004): <http://www.dermestidae.wz.cz> (version 2018, update 19.4.2023)

Háva J., 2023b. – Study of the genus *Anthrenus* subgenus *Florilinus* from the Oriental Region. Part 3. A new species from Indonesia, Sumba Island (Coleoptera: Dermestidae: Megatominae). *Munis Entomology & Zooogy*, 18(2): 764-766.

Peacock E. R., 1993. – Adults and larvae of hide, larder and carpenter beetles and their relatives (Coleoptera: Dermestidae) and of derodontid beetles (Coleoptera: Derodontidae). *Handbooks for the Identification of British Insects*, 5: 1-144.

Résumé

Háva J., 2023. – Etude du genre *Anthrenus*, sous-genre *Florilinus*, de la Région Afrotropicale (Coleoptera: Dermestidae: Megatominae). *Faunitaxys*, 11(46) : 1-2.

L'espèce *Anthrenus (Florilinus) ethiopicus* sp. nov. est décrite d'Ethiopie, illustrée et comparée aux espèces les plus proches. Elle se distingue par la structure des antennes et de l'édéage.

Keywords. – Coleoptera, Dermestidae, *Anthrenus*, *Florilinus*, *ethiopicus*, taxonomie, nouvelle espèce, description, Ethiopie.

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- Vives E., 2023. – Especies nuevas o interesantes de longicórnios de Filipinas (Pars 27) (Coleoptera, Cerambycidae). *Faunitaxys*, 11(29) : 1 – 3. [https://doi.org/10.57800/faunitaxys-11\(29\)](https://doi.org/10.57800/faunitaxys-11(29))
- Coache A., Vitali F., Richard D. & Maquart P. O., 2023. – Description of a new species of *Calanthemis* Thomson, 1864 (Coleoptera: Cerambycidae) from Principe Island. *Faunitaxys*, 11(30): 1 – 3. [https://doi.org/10.57800/faunitaxys-11\(30\)](https://doi.org/10.57800/faunitaxys-11(30))
- Platia G. & Pulvirenti E., 2023. – New species and new records of click beetles of the genera *Girardelater* Schimmel, 1999, *Procrærus* Reitter, 1905 and *Xanthopenthes* Fleutiaux, 1928 from the Oriental Region (Coleoptera, Elateridae, Elaterini and Megapenthini). *Faunitaxys*, 11(31): 1 – 18. [https://doi.org/10.57800/faunitaxys-11\(31\)](https://doi.org/10.57800/faunitaxys-11(31))
- Háva J. & Coache A., 2023. – A contribution to knowledge of Mycetophagidae (Coleoptera) from Sao Tome and Principe. *Faunitaxys*, 11(32): 1 – 5. [https://doi.org/10.57800/faunitaxys-11\(32\)](https://doi.org/10.57800/faunitaxys-11(32))
- Devesa S. & Santos-Silva A., 2023. – On *Elaphidion tuberculicolle* Fisher, 1932 and *Elaphidion scaramuzzai* Fisher, 1951 (Coleoptera, Cerambycidae). *Faunitaxys*, 11(33): 1 – 7. [https://doi.org/10.57800/faunitaxys-11\(33\)](https://doi.org/10.57800/faunitaxys-11(33))
- Delahaye N., Marazzi G. & Marazzi V., 2023. – Quelques remarques sur le genre *Xixuthrus* Thomson, 1864 avec la description de deux nouvelles espèces (Coleoptera, Cerambycidae, Prioninae, Macrotomini, Xixuthrina). *Faunitaxys*, 11(34): 1 – 9. [https://doi.org/10.57800/faunitaxys-11\(34\)](https://doi.org/10.57800/faunitaxys-11(34))
- Lourenço W. R. & Velten J., 2023. – Confirmation of the validity of the genus *Cretaceousbuthus* Lourenço, 2022 and description of a new species from Burmite (Scorpiones: Buthoidea: Buthidae). *Faunitaxys*, 11(35): 1 – 6. [https://doi.org/10.57800/faunitaxys-11\(35\)](https://doi.org/10.57800/faunitaxys-11(35))
- Théry T., 2023. – Description of *Derolathrus foveiceps* n. sp. from Florida (Coleoptera: Jacobsoniidae). *Faunitaxys*, 11(36): 1 – 4. [https://doi.org/10.57800/faunitaxys-11\(36\)](https://doi.org/10.57800/faunitaxys-11(36))
- Bate R. & Bate M. D., 2023. – New synonymies and distribution records of some longhorn beetles (Coleoptera, Cerambycidae) occurring in South Africa. *Faunitaxys*, 11(37): 1 – 9. [https://doi.org/10.57800/faunitaxys-11\(37\)](https://doi.org/10.57800/faunitaxys-11(37))
- Háva J. & Coache A., 2023. – *Anthrenus (Anthrenodes) sarahae* sp. nov., a new species from Benin (Coleoptera: Dermestidae). *Faunitaxys*, 11(38): 1 – 3. [https://doi.org/10.57800/faunitaxys-11\(38\)](https://doi.org/10.57800/faunitaxys-11(38))
- Keith D. & Coache A., 2023. – Sur *Phaeochrous thomensis* Arrow, 1909 (Coleoptera, Scarabaeoidea, Hybosoridae). *Faunitaxys*, 11(39): 1 – 5. [https://doi.org/10.57800/faunitaxys-11\(39\)](https://doi.org/10.57800/faunitaxys-11(39))
- Vlasak J. & Santos-Silva A., 2023. – Cerambycidae (Coleoptera) from Ecuador and Central America: new species and new country records. *Faunitaxys*, 11(40): 1 – 12. [https://doi.org/10.57800/faunitaxys-11\(40\)](https://doi.org/10.57800/faunitaxys-11(40))
- Gouverneur X. & Chemin G., 2023. – Description d'une nouvelle espèce du genre *Erythresthes* Thomson, 1864 du Laos (Coleoptera, Cerambycidae). *Faunitaxys*, 11(41): 1 – 3. [https://doi.org/10.57800/faunitaxys-11\(41\)](https://doi.org/10.57800/faunitaxys-11(41))
- Devesa S. & Vlasak J., 2023. – New species and new country records in Neotropical Cerambycidae (Coleoptera). *Faunitaxys*, 11(42): 1 – 10. [https://doi.org/10.57800/faunitaxys-11\(42\)](https://doi.org/10.57800/faunitaxys-11(42))
- Drumont A., Komiya Z., Do C., Toan Phan Q., Constant J. & Ripaille C., 2023. – Revision of the genus *Hystatoderes* Lameere, 1917 (Part I): species from Vietnam (Coleoptera, Cerambycidae, Prioninae, Anacolini). *Faunitaxys*, 11(43): 1 – 11. [https://doi.org/10.57800/faunitaxys-11\(43\)](https://doi.org/10.57800/faunitaxys-11(43))
- Le Tirant S. & Santos-Silva A., 2023. – Description of two new species of Cerambycidae (Coleoptera) and notes on *Macrodonia crenata* and *Deltaspis cyanipes*. *Faunitaxys*, 11(44): 1 – 13. [https://doi.org/10.57800/faunitaxys-11\(44\)](https://doi.org/10.57800/faunitaxys-11(44))
- Hennemann F. H., 2023. – *Theramenes letiranti* – a remarkable new species of Obriminae stick insects from Mindanao, Philippines (Insecta: Phasmatodea: Heteropterygidae). *Faunitaxys*, 11(45): 1 – 9. [https://doi.org/10.57800/faunitaxys-11\(45\)](https://doi.org/10.57800/faunitaxys-11(45))

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Faunitaxys

Volume 11, Numéro 46, Juillet 2023

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