

Study of the genus *Anthrenus* subgenus *Florilinus* from the Oriental Region Part 2.

Anthrenus (Florilinus) laosensis sp. nov. from Laos (Coleoptera: Dermestidae: Megatominae)

Jiří HÁVA

Private Entomological Laboratory & Collection,
Rýznerova 37/37, CZ-252 62 Únětice u Prahy, Prague-west, Czech Republic
e-mail: jh.dermestidae@volny.cz; ORCID ID: 0000-0001-8076-9538

HÁVA, J.: *Study of the genus Anthrenus subgenus Florilinus from the Oriental Region Part 2. Anthrenus (Florilinus) laosensis* sp. nov. from Laos (Coleoptera: Dermestidae: Megatominae).

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

Keywords: Taxonomy, new species, Coleoptera, Dermestidae, Anthrenus, Florilinus, Laos.

Introduction

The subgenus *Florilinus* Mulsant et Rey, 1868 of the genus *Anthrenus* Geoffroy, 1762 recently contains 36 species Worldwide (HÁVA 2022). No species of the subgenus has been yet known from Laos.

The subgenus is characterized by antennae consisting of 8 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 the 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:

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

Elytral width (EW) - maximum linear transverse distance.

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

Specimen of the species described here are provided with red, printed label with text as follows: „HOLOTYPE *Anthrenus (Florilinus) laosensis* sp. nov. Jiří Háva det. 2023”.

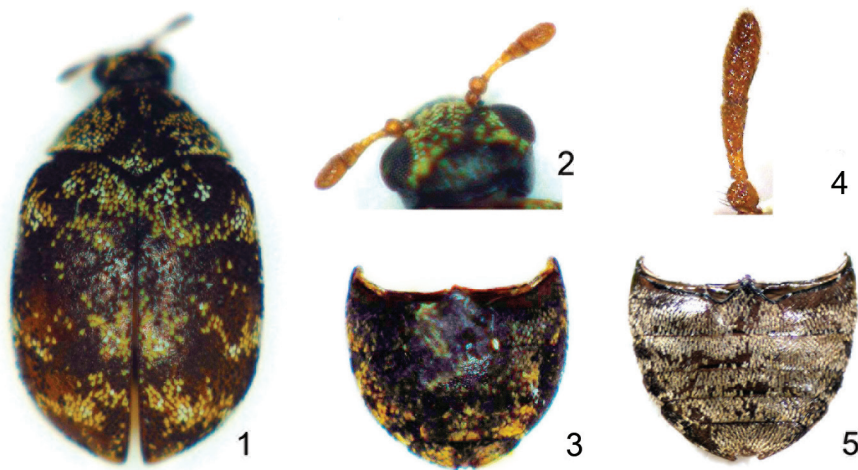
Description

Anthrenus (Florilinus) laosensis sp. nov.

(Figs. 1-3)

Type material. Holotype (♀): LAOS, Khammouan prov., 18°07'N 104°29'E, Ban Khoun Ngeun, 200 m, 24-29.iv.2001, Vít Kubáň lgt., (JHAC).

Description of holotype. Female. Body measurements (mm): TL 2.0 EW 1.4; body dark brown, small, oval (Fig. 1). Dorsal surfaces covered by intermixed dark brown, yellow and white scales. Head covered only by yellow scales. Palpomeres brown. Antennae consisting of 8 antennomeres, antennomeres brown, terminal antennomere as in (Fig. 2). Antennal fossa long and broad. Frons with median ocellus. Eyes with entire median margin. Pronotum covered with dark brown scales discally, intermixed with white and yellow scales on lateral margins. Scutellum triangular. Elytra dark brown, with dark brown, yellow and white scales; white and yellow scales are intermixed and forming transverse fasciae and apical spots (Fig. 1). Epipleuron short, with yellow scales. Individual scales small, broad and triangular. Ventral surface covered with yellow scales, particular abdominal ventrites covered by yellow scales, with small, brown, lateral spots (Fig. 3). Ventrites I-V without spots in the middle, covered by yellow scales. Prosternum only with yellow scales. Metasternum only with yellow scales, without a large patch at lateral margins. Legs brown with white scales and white setae.



Figs. 1-5. *Anthrenus (Florilinus) laosensis* sp. nov.: 1- habitus, dorsal aspect; 2- antennae of female; 3- abdomen; *Anthrenus (Florilinus) emili* Herrmann & Háva, 2019: 4- antenna of female; 5- abdomen (Figs. 4-5 arranged according to A. Herrmann).

Male. Unknown.

Differential diagnosis. The new species is similar to *Anthrenus (Florilinus) emili* Herrmann & Háva, 2019 (China: Sichuan, Yunnan), but differs from it by the characters mentioned below. From other known *Florilinus* species known from the Oriental Region it differs by the same characters.

Abdominal ventrites with yellow scales and lateral spots from dark, brown scales (Fig. 3); metasternum only with yellow scales; antenna of female (Fig. 2)
 *Anthrenus (Florilinus) laosensis* sp. nov.

Abdominal ventrites with white scales and lateral spots from brown scales (Fig. 5); metasternum only with white scales; antenna of female (Fig. 4)
 *Anthrenus (Florilinus) emili* Herrmann & Háva, 2019

Etymology. Toponymic, named after the type locality, country of Laos.

List of *Anthrenus* species recorded from Laos

<i>Anthrenus (Anthrenodes) maculifer</i> Reitter, 1881	antennae consisting of 10 antennomeres
<i>Anthrenus (Florilinus) laosensis</i> sp. nov.	antennae consisting of 8 antennomeres
<i>Anthrenus (Helocerus) fuscus</i> Olivier, 1789	antennae consisting of 5-6 antennomeres
<i>Anthrenus (Nathrenus) edopetri</i> Háva, 2004	antennae consisting of 11 antennomeres

Acknowledgements

I would like to thank Vít Kubáň (Czech Republic) for donating me the interesting material and Miloslav Rakovič (Czech Republic) for a revision of the English 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. 2022: Dermestidae World (Coleoptera). - World Wide Web electronic publication (open in 2004): <http://www.dermestidae.wz.cz> (version 2018, update March 2022)
- PEACOCK, E. R. 1993: Adults and larvae of hide, larder and carped beetles and their relatives (Coleoptera: Dermestidae) and of derodontid beetles (Coleoptera: Derodontidae). Handbooks for the Identification of British Insects 5: 1-144.