

Two new *Anthrenus* species from Malaysia (Coleoptera: Dermestidae: Megatominae: Anthrenini)

Jiří HÁVA

Department of Forest Protection and Entomology,
Faculty of Forestry and Wood Sciences, Czech University of Life Sciences,
Kamýčká 1176, CZ-165 21, Prague 6 - Suchbát, Czech Republic
e-mail: jh.dermestidae@volny.cz

Taxonomy, new species, Coleoptera, Dermestidae, Megatominae, *Anthrenus*, Malaysia

Abstract. The species *Anthrenus* (*Nathrenus*) *viktoriae* sp. nov. and *A.* (*N.*) *perak* sp. nov. from Malaysia are described, illustrated and compared with similar species, the new species are characterised by the structure of antennae and male genitalia and colour of elytral scales.

INTRODUCTION

The genus *Anthrenus* Geoffroy, 1762 consists of 10 subgenera: *Anthrenodes* Chobaut, 1898, *Anthrenops* Reitter, 1881, *Anthrenus* s. str., *Helocerus* Mulsant et Rey, 1868, *Florilinus* Mulsant et Rey, 1868, *Nathrenus* Casey, 1900, *Peacockia* Menier et 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 two new species recently collected in Malaysia, Perak State are 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.

Deposition of type material: JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.



Maps. 1-2. Perak State in Malaysia.

DESCRIPTION

***Anthrenus (Nathrenus) viktorai* sp. nov.**

(Figs. 1-4)

Type material. Holotype (♂): „ Malaysia, Perak, Cameron Highlands North, 7 km south of road 4, alt. 750-800 m, 5°33'06,02''N 101°36'44,42''E, 25.3.-2.4.2014, P. Viktora lgt.“, (JHAC). Paratype (1 ♂): same data as holotype, (JHAC). Specimens of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE (or PARATYPE, respectively) *Anthrenus (Nathrenus) viktorai* sp. nov. Jiří Háva det. 2015“.

Description. Male body measurements (mm): TL 2.5 EW 1.8; body black, small, oval. Dorsal surfaces covered by intermixed black, orange-yellow and white scales. Head covered only by orange-yellow scales. Pronotum covered by orange-yellow scales with white scales on lateral margins. Elytra with black, orange-yellow and white scales; white scales forming small spots on each elytron (Fig. 1). Epipleuron with orange-yellow scales. Individual scales narrowly setiform. Antennae consist of 11 antennomeres, 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 orange-yellow and white scales, particular abdominal sternites bearing very small spots of black scales at antero-lateral margins. Sternites I-V without spots in the middle, covered by intermixed orange-yellow and 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. The paratype specimen is covered not with orange-yellow scales but with reddish scales. Body measurements (mm): TL 2.7 EW 2.0.



Figs. 1-4. *Anthrenus (Nathrenus) viktorai* sp. nov. (holotype): 1- habitus, dorsal aspect; 2-antennae; 3- 9th sternite; 4- aedeagus.

Differential diagnosis. The new species is externally very similar to *A. (N.) kalimantanus* Háva, 2004, but differs from it by the following characters:

A. (N.) viktorai sp. nov.: abdomen covered by intermixed orange-yellow and white scales; elytra with black, orange-yellow and white scales; white scales forming small spots on each elytron; median lobe narrow.

A. (N.) kalimantanus Háva, 2004: abdomen covered by white scales; elytra without white scales; median lobe broad.

Name derivation. The name is dedicated to Petr Viktora (Kutná Hora, Czech Republic), specialist in Cerambycidae (Coleoptera).

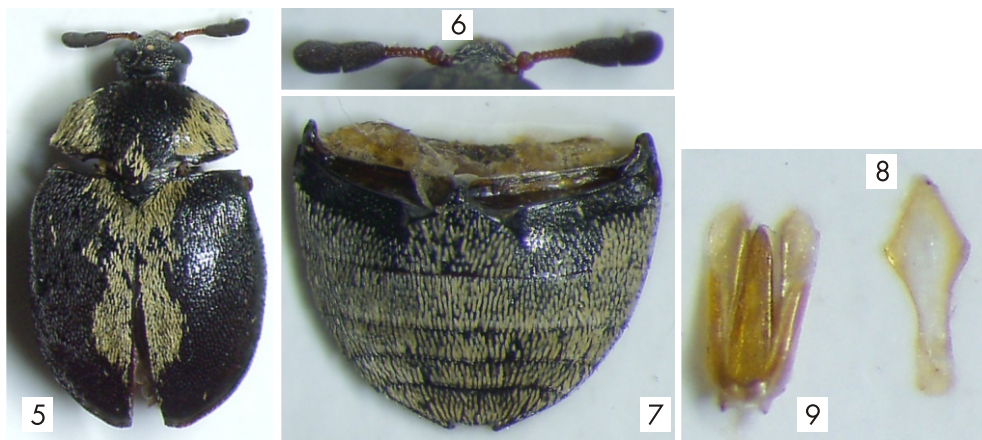
***Anthrenus (Nathrenus) perak* sp. nov.**

(Figs. 5-9)

Type material. Holotype (♂): „Malaysia, Perak, Cameron Highlands North, 7 km south of road 4, alt. 750-800 m, 5°33'06,02''N 101°36'44,42''E, 25.3.-2.4.2014, P. Viktora lgt.", (JHAC). Specimens of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE *Anthrenus (Nathrenus) perak* sp. nov. Jiří Háva det. 2015”.

Description. Male body measurements (mm): TL 3.0 EW 2.2; body small, oval. Dorsal surfaces covered by black and milky scales. Head covered only by milky scales. Pronotum covered by milky scales and black scales discally (Fig. 5). Elytra with black and milky scales; milky scales forming ornament on suture, other parts covered by black scales. Epipleuron with black scales. Individual scales narrowly setiform. Antennae consist of 11 dark brown antennomeres, antennal club consists of 2 antennomeres, compact (Fig. 6). Antennal fossa very long and narrow. Frons with median ocellus. Eyes with entire median margin. Ventral surface covered with milky scales, abdominal sternites covered by milky scales (Fig. 7). Prosternum only with milky scales. Metasternum only with milky scales, without a large patch at lateral margins. 9th sternite as in Fig. 8. Legs dark brown with milky scales and white setae. Aedeagus as in Fig. 9.

Sexual dimorphism. Female unknown.



Figs. 5-9. *Anthrenus (Nathrenus) perak* sp. nov. (holotype): 5-habitus, dorsal aspect; 6-antennae; 7-abdomen; 8-9th sternite; 9-aedeagus.

Differential diagnosis. The new species is externally very similar to *A. (N.) albomaculatus* Pic, 1927, but differs from it by the following characters:

A. (N.) albomaculatus Pic, 1927: each elytron with two yellow or milky, transverse fasciae or five spots; parameres narrower; median lobe with narrow tip.

A. (N.) perak sp. nov.: each elytron with milky ornament on suture; parameres broader; median lobe with broad tip.

Name derivation. Named according to the type locality - Perak.

ACKNOWLEDGEMENTS. I am obliged very much to Petr Viktora, Petr Čechovský and Petr Pacholátko (all from Czech Republic) for providing me with the interesting material and to Miloslav Rakovič (Dobřichovice, Czech Republic) for a revision of the English manuscript. The research was supported by the Internal Grant Agency (B0118/004), Faculty of Forestry and Wood Sciences, Czech University of Life Sciences Prague.

REFERENCES

- 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 description of a new species. *Annales Zoologici* 62: 253-259.
- KADEJ M. & HÁVA J. 2015: A new species of *Anthrenus* Geoffroy, 1762 from China, with revised checklist of the Chinese species. *The Coleopterists Bulletin* 69(3): 459-462.

Published: 31.8.2016