



Two new species of the genus *Anthrenus* (Coleoptera: Dermestidae) from South-eastern Asia

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Abstract. *Anthrenus* (*Nathrenus*) *edopetri* sp. n. (Laos, Thailand) and *A. (N.) kalimantanus* sp. n. (Indonesia: Kalimantan) are described, illustrated and compared with related species.

■ Dermestidae, Anthrenus, taxonomy, new species

INTRODUCTION

At present 14 species of the genus *Anthrenus* O. F. MÜLLER, 1764 are known from South-eastern Asia (Mroczkowski 1968, Háva 2001, 2003). Two additional species of the subgenus *Nathrenus* CASEY, 1900 originating from Laos, Thailand and Indonesia are described and illustrated in this paper

SYSTEMATIC PART

Anthrenus (*Nathrenus*) *edopetri* sp. n.

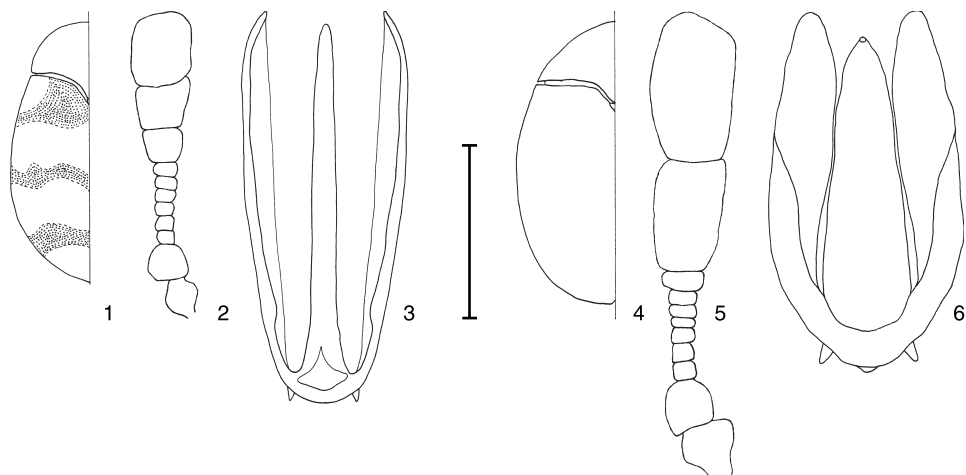
(Figs 1–3)

Type material: Holotype (male): labelled “Laos centr., Khammouan prov., 4–16. 11., 25–30. 11. 2000, Ban Khoun Ngeun env., 18°07' N, 104°29' E, alt. 250 m, E. Jendek & P. Pacholátko lgt.”.

Paratypes: 4 specimens with the same data as holotype; 1 female labelled “Thailand, 5 km W Chiang Mai, 300–500 m, 2. 1. 1992, J. J. Wieringa lgt.” Holotype is deposited in the National Museum, Prague; paratypes in the author’s collection.

Diagnosis: The new species is habitually very similar to *A. (N.) subsetosus* ARROW, 1915 known from Burma and Vietnam (Háva 2001) from which it distinguishes in different form of antennae and male genitalia (see the key to the species below).

Description: Male body length 2.8 mm, width 1.5 mm; body oval, brown. Dorsal surface covered by black, white and melichrous scales. Individual scales narrow. Head covered by white scales. Median ocellus is present. Antennae 11-segmented, brown, antennal club 3-segmented, brown, compact (Fig. 2). Eye with median margin entire. Pronotum covered by intermixed white and melichrous scales. Each elytron with three bands of white scales; one on the humera, one in the middle and one near the apex (Fig. 1). Ventral surface covered by white scales; particular abdominal sternites without small spots of scales at antero-lateral margins. Sternites IV–IV without spots in the middle part, covered



Figs 1–6. *A. (N.) edopetri* sp. n.: (1) habitus (dotted area = white scales); (2) antenna of male; (3) male genitalia. *A. (N.) kalimantanus* sp. n.: (4) habitus; (5) antenna of male; (6) male genitalia. (scale = 0.25 mm)

by white scales. Prosternum with white scales only. Metasternum with white scales, without a large patch at lateral margins. Legs brown with white scales and white setae. Male genitalia (Fig. 3).

Female similar to the male.

Variation: Body length 2.8–3.2 mm, width 1.5–1.8 mm.

Type locality: Laos centr., Khammouan prov., Ban Khoun Ngeun env.

Distribution: Central Laos and Thailand.

Name derivation: This species is dedicated to my friends, Edo Jendek (Bratislava, Slovakia) and Petr Pacholátko (Brno, Czech Republic).

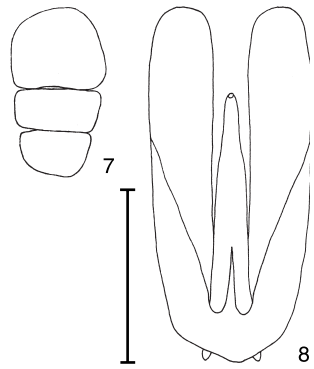
***Anthrenus (Nathrenus) kalimantanus* sp. n.**

(Figs 4–6)

Type material: Holotype (male): labelled Indonesia, Kalimantan Barat, Gunung Palung Nat. Park, Cabang Panti research site, 1°13' S 110°7' E, 18–26. 7. 1993. The holotype is deposited in the author's collection.

Diagnosis: The new species is habitually very similar to *A. (N.) subsetosus* ARROW, 1915, from which it differs in plat and broad form of body and different form of antennae and male genitalia (see the key to the species below).

Description: Male body length 3.5 mm, width 2.0 mm; body oval, plat, broad, black (Fig. 4). Dorsal surface covered by intermixed brown and yellow scales. Individual scales large and narrow. Head covered by yellow scales. Median ocellus presented. Antennae 11-segmented, brown, antennal club 2-segmented, brown, compact (Fig. 5). Eye with median margin entire. Pronotum covered by intermixed brown and yellow scales. Each elytron with intermixed brown and yellow scales. Ventral surface covered by white and yellow scales; particular abdominal sternites not bearing small spots of scales at anterolateral margins. Sternites I–IV without spots in the middle part, covered with white scales. Prosternum with white scales only. Metasternum with white scales, without



Figs 7–8. *A. (N.) subsetosus* ARROW, 1915: (7) antennal club of male; (8) male genitalia. (scale = 0.25 mm)

a large patch at lateral margins. Legs brown with white scales and white setae. Male genitalia (Fig. 6).

Female unknown.

Type locality: Cabang Panti research site, Gunung Palung Nat. Park, Kalimantan Barat, Indonesia.

Distribution: Kalimantan.

Name derivation: The specific name *kalimantanus* is derived from the name Kalimantan, the type locality of the species.

Key to the species

- (1) body small 2.8–3.2 mm; antennal club 3-segmented, antennal segments IX–XI small (Fig. 2); male genitalia (Fig. 3); Laos, Thailand *A. (N.) edopetri* sp. n.
- (2) body flat, broad, length 3.5 mm; antennal club 2-segmented, segments X–XI very large (Fig. 5); male genitalia (Fig. 6); Indonesia: Kalimantan *A. (N.) kalimantanus* sp. n.
- (3) body broad, length 3.7–3.9 mm; antennal club 3-segmented, segments IX–XI rounded (Fig. 7); male genitalia (Fig. 8); Vietnam, Burma *A. (N.) subsetosus* ARROW, 1915

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