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Autor: Háva, Jií
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A contribution to the Dermestidae (Coleoptera) from the Natural History Museum Basel

by Jiří Háva

Abstract. *Dermestes* (*Dermestes*) *amoenus* sp.nov. from China: Sichuan and Hubei is described, illustrated and compared with related species. The following new faunistic records are presented: *Dermestes* (*Dermestinus*) *nan* Háva, 2002 (Thailand: Lansang); *Thaumaglossa rufocapillata* Redtenbacher, 1867 (Philippines); *Thaumaglossa hilleri* Reitter, 1881 (India: Meghalaya, Sikkim); *Thaumaglossa wittmeri* Háva, 2006 (India: Sikkim); *Evorinea indica* (Arrow, 1915) (India: Sikkim, Uttar Pradesh); *Orphinus hartmanni* Háva, 2001 (India: Meghalaya).

Key words. Coleoptera – Dermestidae – taxonomy – distribution – new species – Palearctic region – Oriental region

Introduction

The Dermestidae is a family of beetles that contains about 1300 species and subspecies worldwide (HÁVA 2003, 2008). In the course of determination of material belonging to the collection of Natural History Museum, Basel, Switzerland, a new species and 8 new records of Dermestidae were revealed.

Materials and Methods

The sizes of beetles and 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
pronotal length (PL) maximum length measured from anterior margin
to posterior margin
pronotal width (PW) maximum linear transverse distance
elytral length (EL) linear distance from shoulder to apex of elytron
elytral width (EW) maximum linear transverse distance

The following abbreviations refer to the collections in which the examined material is deposited:

JHAC Private Entomological Laboratory & Collection, Jiří Háva,
Prague, Czech Republic
NHMB Naturhistorisches Museum, Basel, Switzerland

SUBFAMILY DERMESTINAE

Tribe Dermestini

Dermestes (Dermestes) amoenus sp.nov.

Type material. Holotype (female): “China, Sichuan, Mt. Emei, 600–1050 m, 5–19.v.1989, Lad. Bocák lgt.” (NHMB). Paratype (1 female): “China, Hubei, Dabie Shan, 31.1N 115.8E, Wujiashan forest park, 22–23.v.2005” (JHAC). Specimens of the species described here are provided with a red, printed label with text as follows: “HOLOTYPE [or PARATYPE, as appropriate] *Dermestes (Dermestes) amoenus* sp.n. Jiří Háva det. 2008”. Male unknown.

Description of holotype. Whole body brown-black, elongated, slightly convex.

Head with long, brown-yellow pubescence, punctation dense, maxillary and labial palpi brown. Antennae brown, with eleven antennomeres. The final three antennomeres form a brown antennal club covered in brown pubescence.

Pronotum more closely punctured and more densely setaceous than head. Pronotal disc moderately convex, its pubescence long, made up of brown-yellow setae, hind margins of pronotum with long, yellow setae. Two small depressions near basal margin of pronotum. Scutellum triangular, covered in long, brown pubescence.

Elytra densely and strongly punctured; each elytron with 10 striae; posterior margin near epipleuron with long, dense, brown-yellow pubescence; apices of elytra gradually rounded, with dense, short, brown pubescence. Legs black-brown with yellow pubescence.

Ventral part of body densely covered with brown-yellow pubescence. Prosternum with long, brown pubescence. All sternites brown and with short, dense, yellow pubescence. First visible abdominal sternite with distinct lateral depressions (Fig. 1). Sternites III and IV without median tuft of yellow setae; sternites I–V with small latero-median depression.

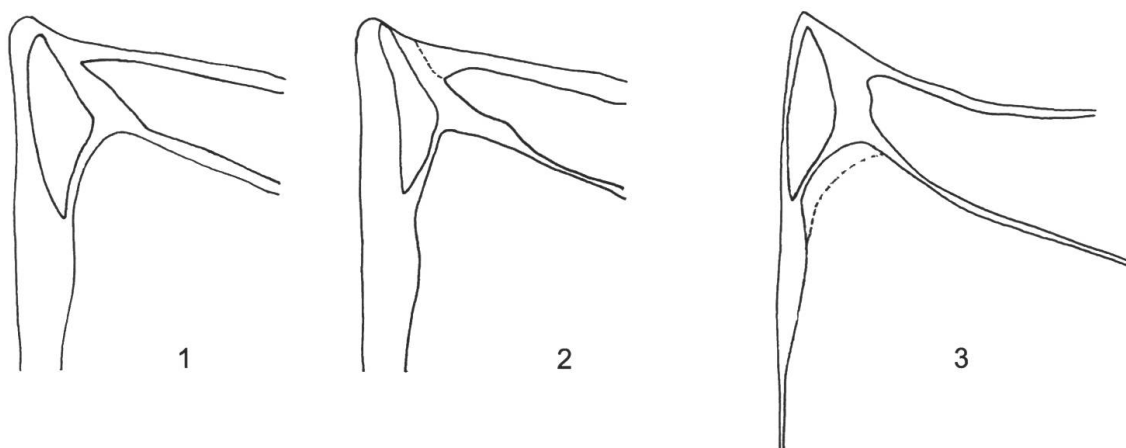
Body measurements (mm): TL 8.7, PL 1.8, PW 3.1, EL 7.1, EW 3.3.

Variability. Paratype female. Body measurements (mm): TL 9.1, PL 2.1, PW 3.3, EL 7.3, EW 3.5. Whole body more dark brown, pubescence on dorsal and ventral surfaces more brown.

Distribution. China: Sichuan, Hubei.

Derivatio nominis. Latin adjective “*amoenus*” (= attractive, beautiful).

Differential diagnosis. *Dermestes (Dermestes) amoenus* sp.nov. belongs to the *D. bicolor* species group defined by KALÍK & OHBAYASHI (1982); this group, part of the nominotypical subgenus, differs from other groups in the very visible lateral striation on elytra; the group of eight species presented is distributed in the Holarctic region, southern Africa and Brazil; the new species very similar in habitus to *D. (D.) laosensis* Háva, 2004 (Laos) and *D. (D.) schneideri* Háva, 2002 (Mongolia) but differs from them in the form of the distinct lateral depressions of the first visible abdominal sternite (Figs 2, 3).



Figs 1–3. Lateral margin of the first visible abdominal sternite with distinct lateral depressions: 1, *Dermestes (Dermestes) amoenus* sp.nov.; 2, *D. (D.) laosensis* Háva, 2004; 3, *D. (D.) schneideri* Háva, 2002.

Dermestes (Dermestinus) nan Háva, 2002

Material examined. “Thailand, Lansang n.p. 500 m, 16°48′N 98°57′E, 18–24.iv.1991, David Král lgt.”, 4 exx, J. Háva det. (3 NHMB, 1 JHAC).

Distribution. Species known from Thailand (Chiang Mai and Nan), new for Lansang.

SUBFAMILY TRINODINAE

Tribe Trinodini

Evorinea indica (Arrow, 1915)

Material examined. “India, Darjeeling D., Bhakta B., Tista, 200 m, 26.iv.1985” 1 ex., J. Háva det., (NHMB); “India U.P., Barkot, 1100–1200 m, 5–12.vi.1981, M. Brancucci leg.” 1 ex., J. Háva det. (NHMB).

Distribution. Species known from China (Guangdong), India (Madhya Pradesh, Maharashtra), Japan and Taiwan. New records for India: Sikkim, Uttar Pradesh.

SUBFAMILY MEGATOMINAE

Tribe Megatomini

Orphinus hartmanni Háva, 2001

Material examined. “NE India, Meghalaya, 3 km E Tura, 1150 m, 25°30'N 90°14'E, 4.v.1999, Dembický & Pacholátko leg.” 1 ex., J. Háva det. (NHMB).

Distribution. Species known from Bhutan, India, Sikkim and Nepal. New record for India: Meghalaya.

Thaumaglossa hilleri Reitter, 1881

Material examined. “NE India, Meghalaya, 3 km E Tura, 1150 m, 25°30'N 90°14'E, 4.v.1999, Dembický & Pacholátko leg.” 1 male, J. Háva det. (NHMB); “India, Bhakta B., Darjeeling D., Sakyong, 1000 m, 10–11.iv.1983” 1 female, J. Háva det. (NHMB).

Distribution. Species known from China, India (Uttar Pradesh), Nepal, Japan, Philippines and Taiwan. New records for India: Meghalaya, Sikkim.

Thaumaglossa rufocapillata Redtenbacher, 1867

Material examined. “Philippines, 1600 m, Mindanao, 30 km W of Maramag, 28–30.dec.1990, Bolm lgt.” 2 exx, J. Háva det. (NHMB).

Distribution. Species known from Germany (intr.), Netherlands (intr.), Cameroon, Congo, Kenya, Madagascar, Nigeria, Tanzania, Zimbabwe, China, India, Indonesia, Japan, Korea, Laos, Malaysia, Nepal, Taiwan, Thailand and Vietnam. New record for Philippines.

Thaumaglossa wittmeri Háva, 2006

Material examined. “India, Darjeeling D., Bhakta B., Sindepung, 23.iv.1987” 1 ex., J. Háva det. (NHMB); “India, Bhakta B., Darjeeling D., Sakyong, 1000 m, 10–11.iv.1983” 4 exx, J. Háva det. (NHMB).

Distribution. Species known from Nepal. New record for India: Sikkim.

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Author's address:

Jiří Háva
Private Entomological Laboratory and Collection
Únětice u Prahy 37
CZ-252 62 Praha-západ
CZECH REPUBLIC
E-mail: jh.dermestidae@volny.cz

