

New and interesting Dermestidae (Insecta: Coleoptera) from Nepal – IV.

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Abstract

Two new species *Thaumaglossa wittmeri* sp. n. and *T. weigeli* sp. n. both from Nepal are described, illustrated and compared with related species. New faunistic data about known species are presented.

Zusammenfassung

Zwei neue Arten *Thaumaglossa wittmeri* sp. n. und *T. weigeli* sp. n., beide aus Nepal, werden beschreiben, abgebildet und mit verwandten Taxa verglichen.

Key words: Taxonomy, distribution, new species, Coleoptera, Dermestidae, Nepal, India: Darjeeling

The present paper follows of the author's articles about Himalayan and especially Nepalese dermestid fauna (Háva 2001, 2002, 2003, 2006a,b). During the determination of the some material deposited in Naturkundemuseum Erfurt, Germany and author's collection, I found two new species and new faunistic data about known species.

Material and Methods

The shades of colours used in the descriptions are classified according to PAULT (1958), integumental structures are named according to HARRIS (1979). Locality labels of the mentioned material are cited in the original version. Separate labels are indicated by slashes (/).

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

NME Naturkundemuseum Erfurt, Germany;
JHAC author's collection.

Results***Anthrenus (Anthrenodes) maculifer* Reitter, 1881**

Material examined. India, West Bengalen Distr. Darjeeling, Kurseong, Thingay Bari, 15.iv.1991, 900 m, N. Dungal leg., 1 spec., (NME).

Distribution. Species known from S China, India, Indonesia: Mentawai Isl., Sumatra, Japan, Laos, Malaysia: Sabah, Sarawak, Myanmar, Nepal, Taiwan, Thailand and Vietnam.

***Attagenus sparsutus* (Reitter, 1881)**

Material examined. Nepal, Dhawalgiri Myagdi Distr., Kali-Gandaki-Khola, Tatopani, 14-17.vi.1986, 1100-1400 m, C. Holzschuh leg., 3 spec., (NME); Nepal, Dhawalgiri Myagdi Distr., Ghar-Khola, Ghorepani-Shikha, 12.vi.1986, 2800-2000 m, C. Holzschuh leg., 1 spec., (NME); India, West Bengalen Distr. Darjeeling, Kalimpong, Khani-Busty, 23.iv.1991, 900 m, N. Dungal leg., 1 spec., (JHAC).

Distribution. Species known from N China, N India, Nepal and Tibet.

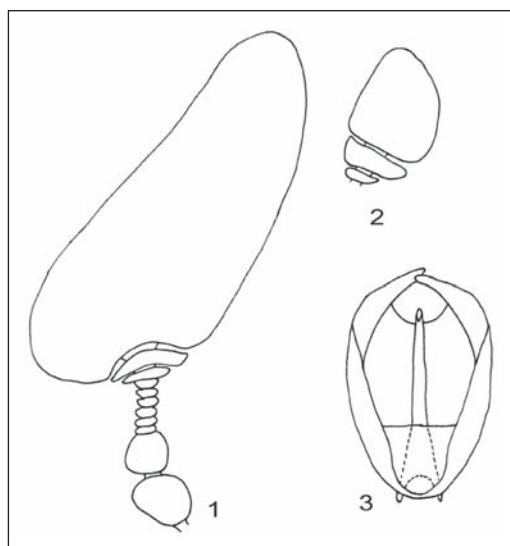
***Dermestes (Dermestinus) tessellatocollis pici* Mroczkowski, 1963**

Material examined. Nepal, Dhawalgiri Myagdi Distr., Ghar-Khola, Ghorepani-Shikha, 12.vi.1986, 2800-2000 m, C. Holzschuh leg., 3 spec., (2 NME, 1 JHAC).

Distribution. Subspecies known from N China, N India, Nepal and Sikkim.

***Orphinus (Orphinus) hartmanni* Háva, 2001**

Material examined. Nepal, Dhawalgiri Myagdi Distr., Kali-Gandaki-Khola, Tatopani, 14-17.vi.1986, 1100-1400 m, C. Holzschuh leg., 1 female, (NME).



Figs 1-3. *Thaumaglossa wittmeri* sp. n.: 1- antenna of male, 2- terminal antennal segment of female, 3- aedeagus.

Distribution. Species known from Bhutan, N India and Nepal.

***Thaumaglossa wittmeri* sp. n. (Figs 1-3)**

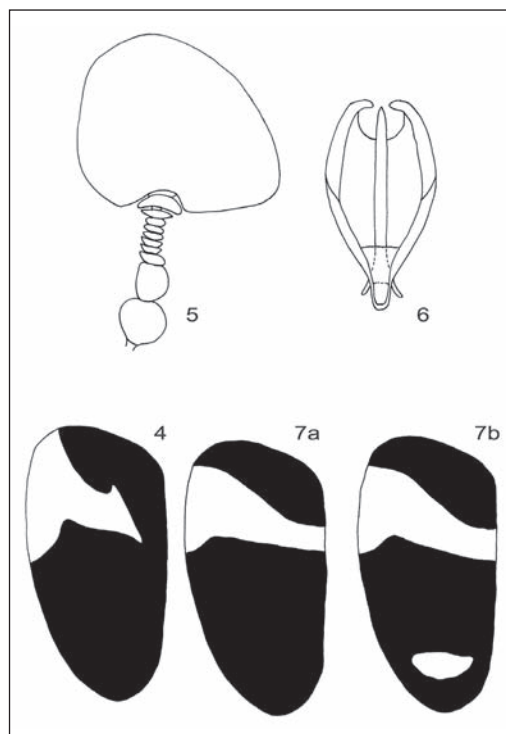
Type material. Holotype (male): „Nepal, Kathmandu Nagarkot, 1800-2000 m, 20.vi.1980, W. Wittmer lgt.“, (NME). **Paratypes** (1 female): „Nepal, Kathmandu Valley, Phulchoki, 1600-2700 m, 4.vi.1986, C. Holzschuh leg.“, (NME); (1 female): „Nepal, Sun Khosi Tal, 2150 m, 2.v.1962“, (JHAC).

Specimens of the presently described species are provided with a red printed label with text as follows: „HOLOTYPE [or PARATYPE, respectively], sex symbol, *Thaumaglossa wittmeri* sp. n. Jiří Háva det. 2006”

Name derivation. Patronymics, dedicated in memoriam to Dr. Walter Wittmer (1915-1998), collector of the new species.

Description. Male: Body length 3.5 mm, width 2.4 mm. Strongly convex, ovate, widest at humeri, black on dorsal surface; antennae and legs brown; vestiture in length about three-fifths as long as scutellum, pubescence is black and yellow on dorsal surface, yellow on ventral surfaces; suberect on

dorsal surfaces, subrecumbent on ventral surfaces. Head covered by long yellow pubescence, labial palpi brown, antennae with 11 segments, with long brown setae, terminal segment very large, covered by erected long brown setation (Fig. 1). Ocellus on front present. Pronotum discally finely punctured, coarsely punctured laterally, covered by yellow pubescence; black, lateral margins brown. Scutellum small without pubescence. Elytra coarsely punctured, with black pubescence, humera with yellow pubescence and with small bumps. Epipleura black with yellow pubescence. Prosternum deeply, coarsely and confluent punctate on disc, becoming granulate-punctate on sides. Antennal fossae occupying entire hypomeron; fossae completely open (without margins) medially. Pygidium brown with very short yellow pubescence. Mesosternal disc with punctuation about as prosternal disc. Abdominal sternites black with short yellow pubescence. Male genitalia in (Fig. 3).



Figs 4-7. *Thaumaglossa weigeli* sp. n.: 4- elytron, 5- antenna of male, 6- aedeagus. *Thaumaglossa indiana* Veer, Chauhan & Singh, 2004: 7a,b- elytron.

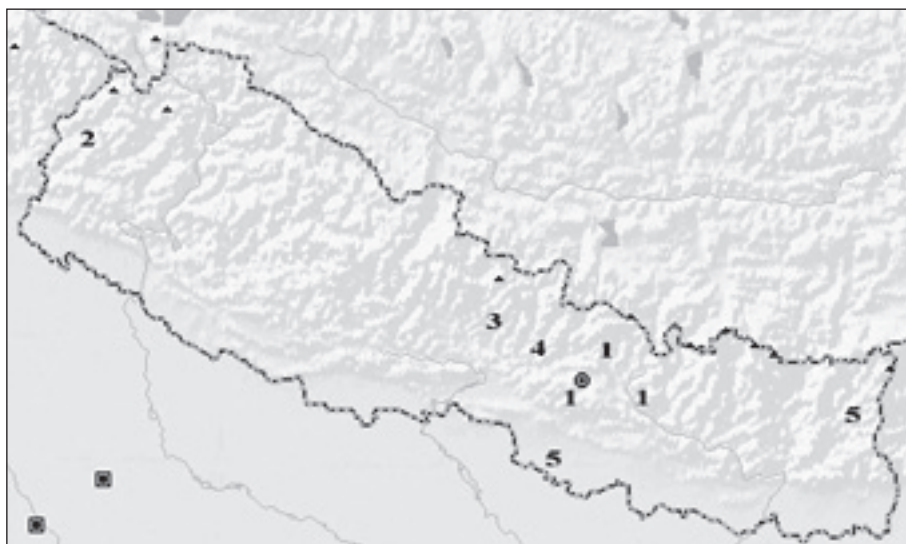


Fig. 8. Distributional map of Nepalese species of *Thaumaglossa*.

1- *Thaumaglossa wittmeri* sp. n., 2- *T. weigeli* sp. n., 3- *T. hilleri* Reitter, 4- *T. yeti* Háva, 5- *T. rufocapillata* Redtenbacher.

Female. Habitually similar to the male except of the antennae (Fig. 2).

Variability. Females body length 3.9-4.1 mm, body width 2.3-2.5 mm.

Differential diagnosis. The new species very similar to *T. hilleri* Reitter, 1881, but differs from it by the characters mentioned in the following Himalayan key.

Thaumaglossa weigeli sp. n. (Figs 4-6)

Type material. Holotype (male): „Nepal, Mahakali/Darchula Ghamna, Chamliya Khola, 29°41'25"N, 80°41'04"E, at light, 30.v.2005, 830 m, A. Weigel leg.“, (JHAC).

Specimen of the presently described species are provided with a red printed label with text as follows: „HOLOTYPE, sex symbol, *Thaumaglossa weigeli* sp. n. Jiří Háva det. 2006”

Description. Male: Body length 3.2 mm, width 2.1 mm. Strongly convex, ovate, widest at humeri, black and reddish on dorsal surface; antennae and legs dark brown; vestiture in length about three-fifths as long as scutellum, pubescence is black and yellow on dorsal surface, yellow on ventral surfaces; suberect on dorsal surfaces, subrecumbent on ventral surfaces. Head covered by yellow pubescence, labial

palpi brown, antennae with 11 segments, with long yellow setae, terminal segment very large, covered by erected long brown setation (Fig. 5). Ocellus on front present. Pronotum coarsely punctured, covered by yellow pubescence; black, lateral anterior margins reddish-brown. Scutellum small without pubescence. Elytra coarsely punctured, with black pubescence; each elytron with one reddish fasciae (Fig. 4) covered by yellow pubescence. Epipleura reddish. Prosternum deeply, coarsely and confluent punctate on disc, becoming granulate-punctate on sides. Antennal fossae occupying entire hypomeron; fossae completely open (without margins) medially. Pygidium brown with long yellow pubescence. Mesosternal disc with punctuation about as prosternal disc. Abdominal sternites orange-brown with short yellow pubescence. Male genitalia in (Fig. 6).

Female. Unknown.

Name derivation. Patronymics, dedicated to my friend Andreas Weigel (Wernburg, Germany), collector of the new species.

Differential diagnosis. The new species very similar to *T. indiana* Veer, Chauhan & Singh, 2004, but differs from it by the characters mentioned in the following Himalayan key.

Key to species of *Thaumaglossa* from Himalaya

- 1 (8) Dorsal elytral integument unicolorous
2 (7) Pubescence on elytra unicolorous
3 (6) Elytra black
4 (5) Pronotum with long yellow pubescence; pygidium brown with short yellow pubescence (Nepal) *Thaumaglossa wittmeri* sp. n.
5 (4) Pronotum with short black pubescence; pygidium black with black pubescence (China, India: Uttar Pradesh, Nepal, Japan, Philippines, Taiwan) *Thaumaglossa hilleri* Reitter, 1881
(6)3 Elytra dark brown or black on humera and near scutellum, other parts orange-brown (Afghanistan, Nepal) *Thaumaglossa yeti* Háva, 2003
7 (2) Pubescence on elytra tricolorous (white and yellow pubescence forming defined transverse bands and spots) (Germany (intr.), Netherland (intr.), Cameroon, Congo, Kenya, Madagascar, Nigeria, Tanzania, Zimbabwe, China, India, Indonesia, Japan, Korea, Laos, Malaysia, Nepal, Taiwan, Thailand, Vietnam ..) *Thaumaglossa rufocapillata* Redtenbacher, 1867
8 (1) Dorsal elytral integument bicolorous (black with reddish fasciae)
9 (10) Each elytron with one reddish transverse fasciae from epipleuron to suture (near epipleuron very broad, near suture narrow Fig. 7) (N India: Uttaranchal pradesh) *Thaumaglossa indiana* Veer, Chauhan & Singh, 2004
Each elytron with the same transverse fasciae and reddish apical circular spot (Pakistan).....
..... *Thaumaglossa indiana* ssp. *pakistana* Háva, 2006
10 (9) Each elytron with one reddish fasciae as in Fig. 4 (Nepal) *Thaumaglossa weigeli* sp. n.

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