

***Anthrenus (Anthrenops) kadeji* sp. n.**  
**(Coleoptera: Dermestidae: Anthrenini) from Pakistan**

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**Taxonomy, new species, Coleoptera, Dermestidae, *Anthrenus*, Pakistan**

**Abstract.** *Anthrenus (Anthrenops) kadeji* sp. n. is described, illustrated and compared with the similar species *A. (A.) parthicus* Zhantiev, 1976.

INTRODUCTION

The dermestid genus *Anthrenus* Geoffroy, 1762 presently contains 9 subgenera and about 220 species and subspecies and belongs to the subfamily Megatominae, tribe Anthrenini (Háva 2003, 2009, Lawrence & Slipinski 2005). In the material recently studied we have found 17 specimens representing new species and its detailed description is given below.

MATERIAL AND METHODS

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

AHEC private collection of Andreas Herrmann, Stade, Germany;

JHAC Private Entomological Laboratory and Collection, Jiří Háva, Prague-west, Czech Republic;

MK Marcin Kadej, Institute of Zoology, Department of Biodiversity and Evolutionary Taxonomy collection, Wrocław, Poland.

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.

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.

Specimens of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE [or PARATYPE, respectively] *Anthrenus (Anthrenops) kadeji* sp. n. Andreas Herrmann & Jiří Háva det. 2008”.

## DESCRIPTION

### *Anthrenus (Anthrenops) kadeji* sp. n.

(Figs 1-4)

**Type material.** Holotype (male): Pakistan, Sher Qita, Goahr Abad (Ghizar) / Gilgit, 36°04N / 74°02E, 1765 m, 5.vi.2007, H. Mühle lgt., (AHEC). Paratypes (16 spec.): 15 spec. with same data as holotype (6 AHEC, 8 JHAC, 1 MK); (1 spec.): “PAK, Northern Areas, Ghizar valley, Singal, 36.0992°N, 73.9765°E, 5.7.2007, 1760 m, leg. H. Mühle” (AHEC).

**Description.** Holotype (male). Body measurements (mm): TL 2.75 PL 0.63 PW 1.00 EL 2.20 EW 1.38; body narrow and elongated, elytra nearly parallel, behind the middle slightly broadened (Fig. 1). Integument of the elytrae brown, integument of the head black. Dorsal surface covered by blackish, whitish and light brown scales, ventrally mainly by whitish scales with some intermixed brown scales. Head with a mixture of black, brown and whitish scales, pronotum on the disk mainly with blackish scales, towards the side and basal margins mainly with light brown and whitish scales. Antennae 9- segmented, light brown, antennal club elongated oval, 3-segmented (Fig. 2). Median ocellus present on frons. Elytra with three transverse fasciae and an apical spot of whitish scales, some light brown scales intermixed. First fascia before the middle reaching the shoulders and scutellum, the second is located behind the middle and the third near the apex. All visible abdominal sternites covered by whitish scales, at lateral margins with spots of darkish scales. The spots on the first sternite are less distinct and nearly obsolete (Fig. 4). Scales quite elongated, in the middle and posteriorly parallel, triangular at the anterior part. Legs entirely light brown with some short light brown setae, femurs also with a few whitish scales. Male genitalia (Fig. 3).

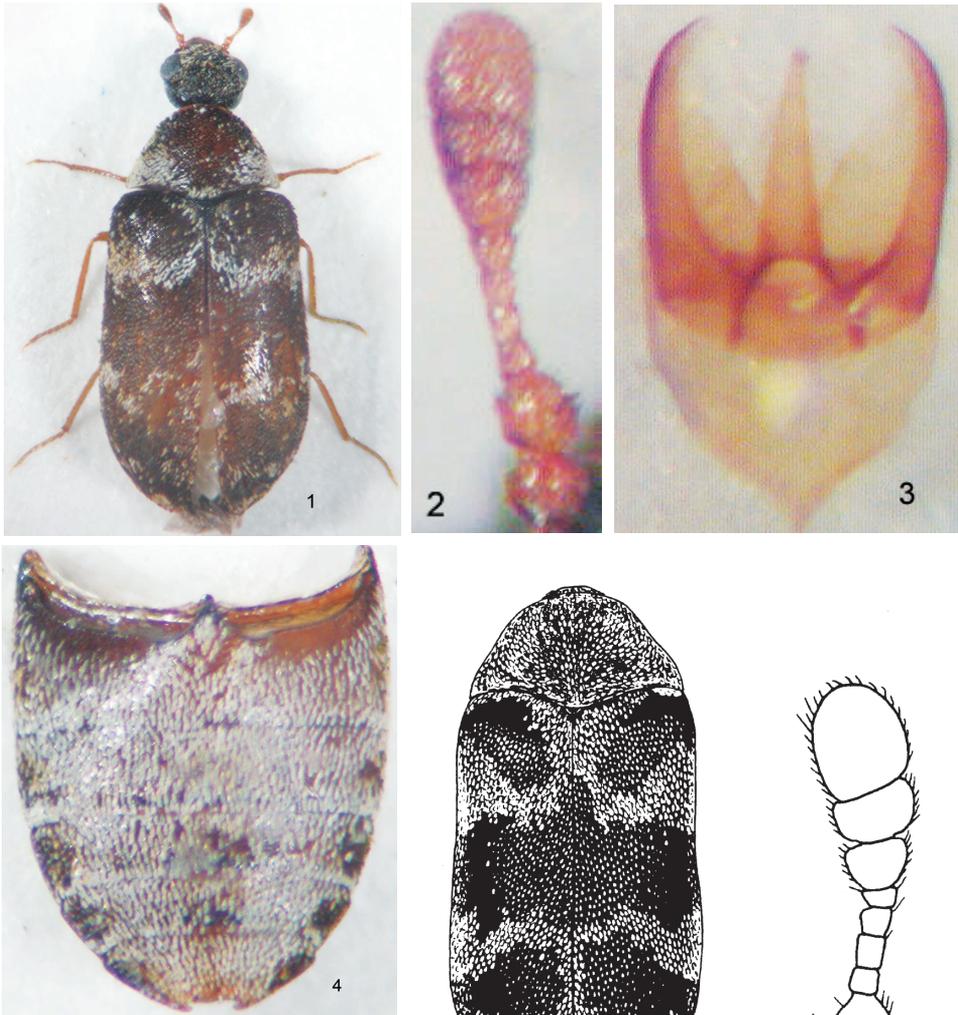
Female externally similar to male, but terminal antennal segment smaller and more ovate.

**Variability.** Body measurements (mm): TL 2.45-2.95.

**Differential diagnosis.** According to the number of antennal segments the new species belongs to the subgenus *Anthrenops* Reitter, 1881; this subgenus contains about 22 species and subspecies (Háva 2007, 2009). The new species differs from all known species of the subgenus by the structure of antennae and male genitalia; it looks very similar to *A. (A.) parthicus* Zhantiev, 1976: 88; 2004: 759 (Iran, Turkmenistan), but differs from it in colour of scales on dorsal and ventral surfaces and structure of antennal segments.

*A. (A.) kadeji* sp. n.: elytra covered by blackish, whitish and light brown scales.

*A. (A.) parthicus* Zhantiev, 1976: elytra covered by whitish, yellowish and brownish scales.



Figs 1-6; 1-4. Holotype of *Anthrenus (Anthrenops) kadeji* sp. n.: 1- habitus, dorsal aspect; 2- antenna of male; 3- aedeagus; 4- abdominal visible sternites. 5-6. *Anthrenus (Anthrenops) parthicus* Zhanatiev, 1976: 5- habitus, dorsal aspect; 6- antenna of female. (according to orig. Zhanatiev, 2004)

**Name derivation.** Patronymic, the new species is dedicated to our friend and colleague Marcin Kadej (Poland).

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