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## A REDESCRIPTION OF *DERMESTES ROUBALI* (COLEOPTERA, DERMESTIDAE) FROM ALTAI

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**A Redescription of *Dermestes roubali* (Coleoptera, Dermestidae) from Altai.** Lozinskaya Ja. L., Legalov A. A. — A redescription of *D. roubali* (Kalik), a rediscovered rare species of dermestids.

**Key words:** Coleoptera, Dermestidae, *Dermestes*, Altai.

**Переописание *Dermestes roubali* (Coleoptera, Dermestidae) с Алтая.** Лозинская Я. Л., Легалов А. А. — Переписание *D. roubali* (Kalik), вновь обнаруженного редкого вида кожеедов.

**Ключевые слова:** Coleoptera, Dermestidae, *Dermestes*, Алтай.

After a careful examination of Siberian fauna of the family Dermestidae, a little known species of the genus *Dermestes* L. (s. str.) was rediscovered in Altai mountains. This species originally described in the genus *Montandonia* Jacquet, 1886 was known only from its type collected in Altai. Later this species was transferred to the genus *Dermestes* (Zhantiev, 1967). *Dermestes roubali* (Kalik, 1951) is closely related to *D. fuliginosus* Rossi, 1792 and *D. olivieri* Lepesme, 1939 from Europe, and to *D. depressus* Gebler, 1830 from Siberia. Similarly to these species, *D. roubali* apparently develops in bumblebee nidi.

As the original description of this interesting species is brief, a redescription is needed. Hereinafter, we redescribe it in details and depict female genitalia of *D. roubali*.

### *Dermestes roubali* (Kalik, 1951)

Kalik, 1951: 152 (*Montandonia*); Mroczkowski, 1968: 6; Zhantiev, 1967: 1350, 1355, 1976: 66, 122.

**Material.** 1 ♂: Kazakhstan, East-Kazakhstan region: West Altai mts., vicinity of Ust'-Kamenogorsk, pass Chechek, 12.06.1996 (V. K. Zinchenko).

**Redescription.** Female. Body elongate oval with flattened top. Colour black, only antennae and tarsus brown-reddish. Body covered with short dark hairs, a slightly denser on abdomen. Base of pronotum with yellow-brown hairs. Abdominal sternites covered with black hairs.

Head densely dotted, partially hidden under pronotum. Labrum transverse, wider, than high. Mandibles massive with acute cutting edge. No seam between clypeus and frons. Cheek with furrow for enclosing of flagellum. Eye round, convex. Frons without eyespot, convex. Crown plane. Antenna as on fig. 1, 1. Flagellum with 7 joints. Clava flattened, with 3 joints.

Thorax (fig. 1, 2). Pronotum widely trapezoid, diametrical, 1.66 times as wide as long. Disc slightly convex, densely dotted. Scutellum widely triangular. Elytrum elongate oval, flattened, with small points, without longitudinal ribs, ca. 1.28 times as long as wide. Base weakly concave, largest width in the middle. Lateral margin and seam with thin keel. Wings present.

Legs. Fore coxa large, conic, non-touching. Mid and hind coxa transverse. Legs long. Femur wide, flattened, without teeth, with furrow for enclosing of tibia. Tibia flat, external and inner margins with small thorns. Apex of tibia with 2 calcars at inner margin and with crown of small thorns. Tarsi long, consisting of 5 joints. Length of

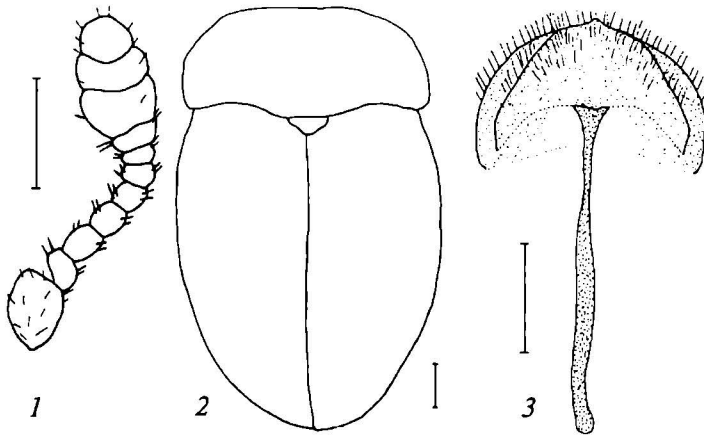


Fig. 1. *Dermestes roubali*: 1 — antenna; 2 — pronotum and elytra; 3 — apical sternites of abdomen.

Рис. 1. *Dermestes roubali*: 1 — усик; 2 — переднеспинка и надкрылья; 3 — вершинные стерниты брюшка.

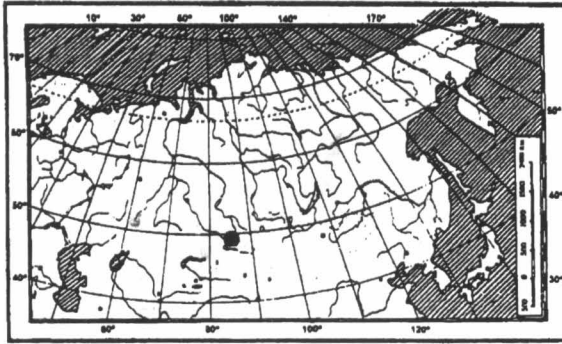


Fig. 2. Map of *Dermestes roubali* distribution (Altai).

Рис 2. Карта распространения *Dermestes roubali* (Алтай).

joints is decreased from the 1<sup>st</sup> to the 4<sup>th</sup> joint. 5<sup>th</sup> joint very long, somewhat shorter than all previous joints, with 2 separately attached claws.

Abdominal sternites convex. 1<sup>st</sup> sternite about 1.69 times as wide as 2<sup>nd</sup>. 2<sup>nd</sup> and 3<sup>rd</sup> sternites approximately equal. 5<sup>th</sup> sternite rounded at apex (fig. 1, 3).

Body length: 8.8 mm.

This species is closely related to *D. depressus*, differing from the latter in the following points: body larger and flattened, elytra without longitudinal ribs, abdominal sternites covered with black hairs.

Distribution: Altai (fig. 2).

Жантеев Р. Д. К таксономическому анализу рода *Dermestes* (Coleoptera, Dermestidae) // Зоол. журн. — 1967. — 46, № 8. — С. 1350–1356.

Жантеев Р. Д. Жуки-кожеды (семейство Dermestidae) фауны СССР. — М., 1976. — 182 с.

Kalik V. Neue Dermestiden aus der palaearktischen Fauna (4. Beitrag) // Ann. Hist.-Nat. Mus. Hung., 1951. — № 1. — S. 151–156.

Mroczkowski M. Distribution of the Dermestidae (Coleoptera) of the World with a Catalogue of all known Species // Ann. zool. — 1968. — 26, № 3. — P. 15–191.