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## Contribution to the Dermestidae from Kyrgyzstan. Part 2 (Coleoptera: Bostrichoidea)

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ABSTRACT. Remarks on the distribution of 23 dermestid beetles are provided. Three new records for Kyrgyzstan are given: *Dermestes dimidiatus*, *Anthrenus dsungaricus* and *Globicornis quadriguttatus*.

Key words: entomology, fanistics, Coleoptera, Dermestidae, *Dermestes*, *Attagenus*, *Anthrenus*, *Globicornis*, *Megatoma*, *Trogoderma*, Kyrgyzstan, new data

### INTRODUCTION

The studies of Dermestidae distribution are still in a preliminary stage. Examination of materials from various collections have revealed numerous specimens of rare species as well as ones that have not been described yet. The present study examines the dermestid material collected by Polish entomologists in Kyrgyzstan in 2003 and 2006. This paper is the second on Dermestidae found in Kyrgyzstan (HÁVA, KADEJ 2009).

Genus *Dermestes* LINNAEUS, 1758 encloses ca 90 species of which only 3 species were found in Kyrgyzstan (excluding cosmopolitan species). Genus *Attagenus* LATREILLE, 1802 includes ca. 200 species of which 7 species were found in Kyrgyzstan. Genus *Anthrenus* GEOFFROY, 1762, currently includes ca. 216 species, but only 14 species were found in Kyrgyzstan. Genus *Globicornis* LATREILLE IN CUVIER, 1829 contains about 30 species of which only one occurs in Kyrgyzstan while in genus *Megatoma* HERBST, 1792 that includes 16 species, only 3 were recorded in this country. Additionally, out of 140 species in *Trogoderma* DEJEAN, 1821 only one occurs in Kyrgyzstan (HÁVA 2010).

The material was obtained from the following collections (with abbreviations used in the text):

**AL** Andrzej LASON, Private collection, Białystok, Poland;

**LB** Lech BOROWIEC, Department of Biodiversity and Evolutionary Taxonomy Collection, University of Wrocław, Poland;

**MK** Marcin KADEJ, Department of Biodiversity and Evolutionary Taxonomy Collection, University of Wrocław, Poland;

**RK** Roman KRÓLIK, Private collection, Kluczbork, Poland;

**RR** Rafał RUTA, Department of Biodiversity and Evolutionary Taxonomy Collection, University of Wrocław, Poland.

The distribution and classification used follow world catalogue of HÁVA (2010).

Locality labels are cited in the original version. Separate labels are indicated by slashes (\). Remarks of the author are found in square brackets [ ].

## RESULTS

### **Dermestidae LATREILLE, 1807**

#### **Dermestinae LATREILLE, 1807**

#### **1. *Dermestes (Dermestinus) elegans* GEBLER, 1830**

##### MATERIAL EXAMINED

Kyrgyzstan Bishkek reg., Beshkungei n. Bishkek, 6 VI 2006\45.85/74.60 800 m, leg. Rafał RUTA, 1 ex. (RR).

##### DISTRIBUTION

Species known from Turkey; N China; Kazakhstan; Kyrgyzstan; Mongolia; Tadzhikistan; Turkmenistan; Uzbekistan (HÁVA 2010).

#### **2. *Dermestes (Dermestinus) dimidiatus* STEVEN IN SCHÖNHERR, 1808**

##### MATERIAL EXAMINED

Kyrgyzstan Issyk-kul reg., Bokonbaevo distr., Ak-Say 16 VI 2006\Ak-Say riv. valley 42°13'76"83' 1820-1850 m, leg. Rafał RUTA, 14 exx. (RR).

##### DISTRIBUTION

Species known from Moldavia; „Caucasus“; N China; Kazakhstan; Mongolia; Russia: Siberia, Stavropol; Tibet (HÁVA 2010). New for Kyrgyzstan.

#### **3. *Dermestes (Dermestinus) frischii* KUGELANN, 1792**

## MATERIAL EXAMINED

Kyrgyzstan Issyk-kul reg., Bokonbaevo distr., Konur-Olen lake\ n Toguz-Bulak 4208/7673' 16 VI 2006, 2000 m, M.L. & L. BOROWIEC [leg.], 1 ex. (MK); Kyrgyzstan Issyk-kul reg., Bokonbaevo distr., Konur-Olen lake\ n Toguz-Bulak 42.08/76.73 16 VI 2006, 2000 m, leg. Rafał RUTA, 1 ex. (RR); Kyrgyzstan Issyk-kul reg., Bokonbaevo distr., Ak-Say 16 VI 2006\ Ak-Say riv. valley 42°13'/76°83' 1820-1850 m, leg. Rafał RUTA, 10 exx. (RR); Kyrgyzstan Ysyk-Köl r., 42°16'/77°46' 1630 m S bank of Ysyk-Köl lake 4 km NE of Ak-Terek 11 VI 2003, leg. Andrzej LASOŃ\ zarośla oliwkowe, padlina konia, 13551, 1 ex. (AL).

## DISTRIBUTION

Cosmopolitan species; known from EU, AF, AMN, AM, AS, AU (HÁVA 2010).

**4. *Dermestes (Dermestinus) undulatus* BRAHM, 1790**

## MATERIAL EXAMINED

Kyrgyzstan, Jalal-Abad r., 41°38'N/72°39'E, Kara-Köl 19.VI.2003, leg. Andrzej Lason, 1 ex. (1 AL).

## DISTRIBUTION

Species known from Holarctic region (HÁVA 2010).

**Attageninae CASEY, 1900****5. *Attagenus (Attagenus) brunneus* FALDERMANN, 1835**

## MATERIAL EXAMINED

Kyrgyzstan, Jalal-Abad r., 40°56'N/73°00'E, Fergana Valley Jalal-Abad, ca 600 m, 21.VI.2003, leg. Andrzej LASOŃ, 4 exx. (2 AL, 2 MK).

## DISTRIBUTION

Species known from Turkey; Algeria; Egypt; Morocco; Tunisia; South Africa; Canada; USA; Afghanistan; China; Iran; Israel; Kyrgyzstan; Pakistan; Turkmenistan; Uzbekistan (HÁVA 2010).

**6. *Attagenus (Attagenus) gobicola* FRIVALDSZKY, 1892**

## MATERIAL EXAMINED

Kyrgyzstan, Chüy r., 42°36'N/74°29'E, 1300m, Ala-Archa valley, ca 30 km S of Bishkek, 04.06.2003, Roman KRÓLIK leg., 2 exx. (2 MK); Kyrgyzstan Issyk-kul reg., Kyzyl-Suu distr., Dzhetyoguz-curort\ 11 VI 2006, 42°30'/78°20', 1870 m, inside building, leg. Rafał RUTA, 1 ex. (RR).

## DISTRIBUTION

Species known from Sweden (intr.); Afghanistan; N China; India: Kashmir, Sikkim; Kazakhstan; Kyrgyzstan; Mongolia; Tadjikistan; Turkmenistan (HÁVA 2010).

**7. *Attagenus (Attagenus) lobatus* ROSENHAUER, 1856**

## MATERIAL EXAMINED

Kyrgyzstan, Jalal-Abad r., 40°56'N/73°00'E, Jalal-Abad, 21.6.2003, R. KRÓLIK leg., 1 ex. (MK); Jalal-Abad r., 40°56'N/73°00'E, Fergana Valley Jalal-Abad, ca 600 m, 21.VI.2003, leg. Andrzej LASOŃ, 3 exx. (2 AL, 1 MK).

## DISTRIBUTION

Species known from Bulgaria; Greece; Italy; Spain; Turkey; USA; Afghanistan; China; India; Iran; Iraq; Kazakhstan; Kyrgyzstan; Mongolia; Saudi Arabia; Tadjikistan; Turkmenistan; United Arab Emirates; Uzbekistan (HÁVA 2010).

**8. *Attagenus (Attagenus) quadricolor* (SUMAKOV, 1907)**

## MATERIAL EXAMINED

Kyrgyzstan Bishkek reg., Beshkungei n. Bishkek, 6 VI 2006\45.85/74.60, 800 m, leg. Rafał RUTA, 1 ex. (RR).

## DISTRIBUTION

Species known from Turkey; Kazakhstan; Kyrgyzstan; Mongolia; Tadjikistan; Turkmenistan; Uzbekistan (HÁVA 2010).

**9. *Attagenus (Attagenus) suspiciosus* SOLSKY, 1876**

## MATERIAL EXAMINED

Kyrgyzstan, Ysyk-Köl r., 42°17'N/76°00'E, 1760 m, Orto-Tokoy env., 24 km SW of Balykchy, 16.06.2003, Roman KRÓLIK leg., 1 ex. (MK); Kyrgyzstan, Ysyk-Köl r., 42°17'N/76°00'E, 1760 m, Orto-Tokoy env., 24 km SW of Balykchy, 12 VI 2003, leg. Andrzej LASOŃ, 1 ex. (MK).

## DISTRIBUTION

Species known from Afghanistan; China: Sinkiang; Iran; Kazakhstan; Kyrgyzstan; Mongolia; Tadjikistan; Turkmenistan; Uzbekistan (HÁVA 2010).

**10. *Attagenus (Attagenus) unicolor unicolor* (BRAHM, 1790)**

## MATERIAL EXAMINED

Kyrgyzstan, Jalal-Abad r., 41°52'N/72°56'E, 870 m, Toktogul, 26.06.2003, R. KRÓLIK leg., 1 ex. (MK); Jalal-Abad r., 40°56'N/73°00'E, Fergana Valley Jalal-Abad, ca 600 m, 21.VI.2003, leg. Andrzej LASOŃ, 1 ex. (AL).

## DISTRIBUTION

Cosmopolitan species; known from EU, AF, AMN, AM, AS, AU (HÁVA 2010).

**Megatominae LEACH, 1815****11. *Anthrenus (Anthrenodes) medvedevi* ZHANTIEV, 2006**

## MATERIAL EXAMINED

Kyrgyzstan, Jalal Abad, SE Bank Of Toktogul Res., 3 Km E Of Uch-Terek, 41°46'N/73°14'E, 19 VI 2003, leg. Andrzej LASOŃ\14384, 1 ex. (MK).

## DISTRIBUTION

Species known from Kyrgyzstan (Zhantiev 2006; HÁVA 2010).

**12. *Anthrenus (s. str.) latefasciatus* REITTER, 1892**

## MATERIAL EXAMINED

Kyrgyzstan, Chüy r., 42°54'N/74°36'E, 730m, Bishkek, 01-03.06.2003, Roman KRÓLIK leg., 4 exx. (3 RK, 1 MK); Chüy r., 42°41'N/75°53'E, 1350m, ca 50 km E of Tokmok, 13.06.2003, Roman KRÓLIK leg., 1 ex. (RK); Chüy r., 42°47'N/74°35'E, 1350m, ca 10 km S of Bishkek, 14.06.2003, Roman KRÓLIK leg., 2 exx. (1 RK, 1 MK); Kyrgyzstan, Chüy, Chüy Valley, ca 50km E of Tokmok, 42°41'N/75°53'E, 13 VI 2003, leg. A. LASOŃ [14468] 1 ex. (AL); Kyrgyzstan, Jalal Abad, Fergana Valley, ca 10 km E of Jalal-Abad, 40°56'N/73°08'E, 22.VI.03 [leg. Andrzej Lason] 1 ex., (AL); Kyrgyzstan, Toktogul 17.VI.2003, leg. A. LASOŃ, 5 exx. (AL); Kyrgyzstan, Chüy, Kyrgyz Ala-Too Mts., Ala Archa Nat. Park, 16.VI.2003, 42°36'N/74°29'E, leg. A. LASOŃ, 3 exx., (3 AL); Kyrgyzstan Issyk-Kul reg., Bokonbaevo distr. n. Konur-Olen lake\Toguz-Bulak 42.08/76.73, 16 VI 2006, 2000 m, leg. Rafał RUTA, 2 exx. (RR).

## DISTRIBUTION

Species known from Afghanistan; „Caucasus“; N China; Iran; Kazakhstan; N Korea; Kyrgyzstan; Mandzhuria; Mongolia; Syria; Tadzhikistan; Turkmenistan; Uzbekistan (HÁVA 2010).

**13. *Anthrenus (s. str.) picturatus picturatus* SOLSKY, 1876**

## MATERIAL EXAMINED

Kyrgyzstan, Chüy r., 42°54'N/74°36'E, 730m, Bishkek, 01-03.06.2003, Roman KRÓLIK leg., 30 exx. (24 RK, 6 MK).

## DISTRIBUTION

Species known from Georgia; Afghanistan; „Caucasus“; Iran; Kyrgyzstan; Kazakhstan; Tadzhikistan; Turkey; Turkmenistan; Uzbekistan; South Africa: Pretoria (intr.) (HÁVA 2010).

**14. *Anthrenus* (s. str.) *picturatus melanoleucus* SOLSKY, 1876**

MATERIAL EXAMINED

Kyrgyzstan, Chüy r., 42°54'N/74°36'E, 730m, Bishkek, 01-03.06.2003, Roman KRÓLIK leg., 27 exx. (23 RK, 4 MK).

DISTRIBUTION

Species known from Afghanistan; Kazakhstan; Kyrgyzstan; Tadjikistan; Uzbekistan (HÁVA 2010).

**15. *Anthrenus* (*Florilinus*) *flavidus* SOLSKY, 1876**

MATERIAL EXAMINED

Kyrgyzstan, Chüy r. 42°54'N/74°36'E, 730m, Bishkek, 1-3 VI 2003, leg. A. LASOŇ, 2 exx. (1 AL, 1 MK); Kyrgyzstan, Bishkek reg. Beshkungei n. Bishkek, 6 VI 2006\42°85/74°60 , 800 m, leg. Rafał RUTA, 2 exx. (RR).

DISTRIBUTION

Species known from Poland (intr.); AS: Afghanistan; „Caucasus“; N China; Iran; Kazakhstan; Kyrgyzstan; Tadjikistan; Turkey; Turkmenistan; Uzbekistan (HÁVA 2010).

**16. *Anthrenus* (*Ranthenus*) *kryzhanovskii* SOKOLOV, 1979**

MATERIAL EXAMINED

Kyrgyzstan, Chüy, Kyrgyz Ala-Too Mts., Ala Archa Nat. Park, 16.VI.2003, 42°36'N/74°29'E, leg. A. LASOŇ, 3 exx. (2 AL., 1 MK); Kyrgyzstan, Chüy, Kyrgyz Ala-Too Mts., Ala Archa Nat. Park, 29.VI.2003, 42°36'N/74°29'E, leg. A. LASOŇ, 19 exx., (13 AL, 6 MK).

DISTRIBUTION

Species known from Kyrgyzstan and Turkmenistan (HÁVA 2010).

**17. *Anthrenus* (*Solskinus*) *beali* ZHANTIEV, 2004**

MATERIAL EXAMINED

Kyrgyzstan, Jalal-Abad r., 41°45'N/72°56'E, Fergana Valley Jalal-Abad, ca 960 m, 22 km W of Uch-Terek, 25.VI.2003, leg. Andrzej LASOŇ, [14644], 1 ex. (1 MK); Kyrgyzstan, Jalal Abad, SE Bank Of Toktogul Res., 3 Km E Of Uch-Terek, 41°46'N/73°14'E, 19 VI 2003, leg. Andrzej LASOŇ [14388, 14387, 14386, 14385], 4 exx. (2 AL, 2 MK).

DISTRIBUTION

Species known from Kyrgyzstan (ZHANTIEV 2004; HÁVA 2010).

**18. *Anthrenus (Solskinus) dsungaricus* MROCKOWSKI, 1962**

## MATERIAL EXAMINED

Kyrgyzstan Issyk-kul reg., Cholpon-Ata distr. hills N of Bosteri\8 VI 2006 42°65′/77°18′, 1600-1700 m, leg. Rafał RUTA, 2 exx. (RR).

## DISTRIBUTION

Species known from Kazakhstan (HÁVA 2010). New for Kyrgyzstan.

**19. *Anthrenus (Solskinus) sogdianus* ZHANTIEV, 1976**

## MATERIAL EXAMINED

Kyrgyzstan, Chüy, Chüy Valley, ca 50km E of Tokmok, 42°41′N/75°53′E, 13 VI 2003, leg. A. LASON [14469, 14470, 14471, 14282], 4 exx. (2 AL, 2 MK); Kyrgyzstan Issyk-kul reg., Cholpon-Ata distr. hills N of Bosteri\8 VI 2006 42°65′/77°18′, 1600-1700 m, M., L. & L. BOROWIEC [leg.], 2 exx. (MK).

## DISTRIBUTION

Species known from Kyrgyzstan and Tadzhikistan (ZHANTIEV 1976; HÁVA 2010).

**20. *Globicornis (Globicornis) quadripunctata* ZHANTIEV, 1975**

## MATERIAL EXAMINED

Kyrgyzstan Issyk-kul reg., Cholpon-Ata distr. hills N of Bosteri\7 VI 2006 42°65′/77°18′, 1600 m, M.L. & L. BOROWIEC [leg.], 2 exx. (MK); Kyrgyzstan Issyk-kul reg., Cholpon-Ata distr. hills N of Bosteri\8 VI 2006 42.65/77.18, 1600-1700 m, leg. Rafał RUTA, 4 exx. (RR); Kyrgyzstan Chuyskaia Dolina c. 96 km of Bishkek /42.78/75.69, 7 VI 2006, 1120 m, leg. Rafał RUTA, 1 ex. (RR).

## DISTRIBUTION

Species known from Kazakhstan; Kyrgyzstan (HÁVA 2010).

**21. *Globicornis (Pseudomesalia) quadriguttatus* (REITTER, 1878)**

## MATERIAL EXAMINED

Kyrgyzstan, Chüy r., 42°41′N/75°53′E, 1350 m, ca 50 km E of Tokmok, 13.06.2003, Roman KRÓLIK leg., 1 ex. (MK).

## DISTRIBUTION

Species known from Armenia; Turkey; Egypt; Afghanistan; „Caucasus“; Iran; Iraq; Kazakhstan; Syria; Tadzhikistan; Transcaucasia; Turkmenistan; Uzbekistan (HÁVA 2010). New for Kyrgyzstan.

## 22. *Megatoma (Pseudohadrotoma) graeseri* (REITTER, 1887b)

### MATERIAL EXAMINED

Kyrgyzstan Issyk-Kul reg., Bokonbaevo distr. n. Konur-Olen lake\Toguz–Bulak 42.08/76.73, 16 VI 2006, 2000 m, leg. Rafał RUTA, 1 ex. (RR).

### DISTRIBUTION

Species known from China: Xinjiang; Kazakhstan; Kyrgyzstan; Mongolia (HÁVA 2010).

## 23. *Trogoderma teukton* BEAL, 1956

### MATERIAL EXAMINED

Kyrgyzstan, Jalal Abad, Suusamyr-Too Mts., Toktogul, 41°52'N/72°56'E, 18 VI 2003, 870 m, leg. A. LASOŃ, 1 ex. (AL).

### DISTRIBUTION

Species known from USA: Minnesota, North Dakota, Iowa; AS: China; Iran; Japan; Kazakhstan; Kyrgyzstan; S Korea; Tadjikistan (HÁVA 2010).

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