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Dermestidae (Coleoptera) from the collection of the Czech entomologist Aldo Olexa. Part 1 – Dermestini, Orphilini, Trinodini, Anthrenini

Dermestidae (Coleoptera) ze sbírky českého entomologa Aldo Olexy. Část 1 – Dermestini, Orphilini, Trinodini, Anthrenini

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Abstract. The list of all identified specimens from the tribes Dermestini, Orphilini, Trinodini and Anthrenini (Coleoptera: Dermestidae) from the collection of the Czech entomologist Aldo Olexa are presented. New records extending the known geographical distribution are published for the following taxa: *Anthrenus* (*Anthrenus*) *picturatus picturatus* Solsky, 1876 from Georgia, *Dermestes* (*Dermestes*) *bicolor bicolor* Fabricius, 1781 from Tajikistan, *Dermestes* (*Dermestinus*) *kaszabi* Kalík, 1950 from the Czech Republic: Bohemia, *Dermestes* (*Montandonia*) *olivieri* Lepesme, 1939 from Georgia, and *Trinodes hirtus* (Fabricius, 1781) from Georgia.

INTRODUCTION

The family Dermestidae currently includes about 1,200 species and subspecies worldwide (Háva 2003). The collection of the excellent Czech entomologist Aldo Olexa (Prague) contains about 900 specimens of this family from the Palaearctic Region, especially from his expeditions to Central Asia and Northern Africa undertaken from 1972 to 1992.

One box from his collection contains 216 specimens from the tribes Dermestini, Orphilini, Trinodini and Anthrenini, which are treated in this paper.

MATERIAL AND METHODS

All specimens were identified or reviewed by the author, and recently deposited in the author's collection. Locality labels are cited in the original version. Separate labels are indicated by slashes (\ ). Remarks of the author are found in square brackets [ ]. Data on the distribution and classification of Dermestidae follow Háva (2003, 2004).

TRIBE DERMESTINI

Dermestes* (*Dermestes*) *ater DeGeer, 1774
Material examined. Egypt: "Egypt, Hurghada, 20.7.[19]68, Deneš lgt.", 1 spec. Cosmopolitan species.

Dermestes* (*Dermestes*) *bicolor bicolor Fabricius, 1781
Material examined. Czech Republic: "Boh. [Bohemia], Podhořany [5751], 24.v.[19]47, A. Olexa [lgt.] ", 10 spec.; **Tadzhikistan:** "Tadžikistan, Nurek, 25.6.[19]76, A. Olexa [lgt.]", 1 spec.; **Uzbekistan:** "Uzbekistan, Aktaš [Aktash] (Taškent) [Tashkent], 28.iv.1972, A. Olexa [lgt.]", 1 spec.; "Uzbekistan, Buchara, Kyzyl Kum, 30.6.1976, A. Olexa [lgt.]", 2 spec.

Nominotypical subspecies known from Afghanistan, Canary Islands (introduced), Europe, Iran, Japan, Kazakhstan, N Korea, Kyrgyzstan, Pakistan, Russia, Syria, Turkey, Turkmenistan and Uzbekistan. First record from Tajikistan.

Dermestes (*Dermestes*) *haemorrhoidalis* Küster, 1852
Material examined. Czech Republic: "Boh. [Bohemia], Praha, [specimens collected indoors in 1958-1960], A. Olexa [lgt.]", 19 spec.
Species known from Argentina, Bolivia, Brazil, Burundi, Congo, Europe, Japan, Madagascar, Mongolia, Peru, Russia, South Africa, Tanzania and Uruguay.

Dermestes (*Dermestes*) *lardarius* Linnaeus, 1758
Material examined. Czech Republic: "Boh. [Bohemia], Zoo Praha-Troja, 15.5.[19]54, A. Olexa [lgt.]", 2 spec., A. Olexa det.; "Boh. [Bohemia], Opočno, iv.[19]57, A. Olexa [lgt.]", 1 spec., A. Olexa det.; "Boh. [Bohemia], Praha, 2.1.[19]46, A. Olexa [lgt.]", 2 spec., A. Olexa det.
Cosmopolitan species.

Dermestes (*Dermestes*) *leechi* Kalík, 1952
Material examined. Uzbekistan: "Uzbekistan, Buchara, Kyzyl Kum, 30.6.1976, A. Olexa [lgt.]", 1 spec.
Species known from Afghanistan, Egypt, England (introduced), India, Iran, Mali, Morocco, Nepal, Pakistan, Russia: south-western Siberia, Scotland (introduced), Spain, Sudan, Tajikistan, Tunisia, Turkmenistan and Uzbekistan.

Dermestes (*Dermestinus*) *coronatus* Steven in Schönherr, 1808
Material examined. Uzbekistan: "Uzbekistan, Aman Kutan (Sam.) [Samarkand], 26.4.1975, A. Olexa [lgt.]", 1 spec.; the same data but "16.5.1974, A. Olexa [lgt.]", 2 spec.; "Uzbekistan, Čimgan [Chimgan] (Taškent), 6.5.1978, A. Olexa [lgt.]", 2 spec.; "Uzbekistan, Kara Tepe (Sam.) [Samarkand], 20.6.1976, A. Olexa [lgt.]", 1 spec.; "Uzbekistan, Samarkand, 17.5.1974, A. Olexa [lgt.]", 1 spec.; "Samarkand, Reitter", 1 spec.
Species known from Afghanistan, Caucasus, China: Sinkiang, India, Iran, Kyrgyzstan, Mongolia, Poland (introduced), Russia: south-eastern European part and Turkey.

Dermestes (*Dermestinus*) *dimidiatus* Steven in Schönherr, 1808
Material examined. Mongolia: "Mongolia, Chužirt [Chuzhirt], 13-15.6.1984, A. Olexa [lgt.]", 2 spec.; **Russia:** "Russia" [without detailed data], 1 spec.
Species known from Caucasus, northern China, Kazakhstan, Moldavia, Mongolia, Russia (Siberia, Stavropol), and Tibet.

Dermestes (*Dermestinus*) *elegans* Gebler, 1830
Material examined. Kyrgyzstan: "Kirkizia, Kadamžaj [Kadamzhay], Oš [Osh], 27.iv.1972, A. Olexa [lgt.]", 15 spec.; **Tadzhikistan:** "Tadžikistan, Takob Hissar Mt., 24.6.[19]76, A. Olexa [lgt.]", 1 spec.
Species known from northern China, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkey, Turkmenistan and Uzbekistan.

Dermestes (*Dermestinus*) *frischii* Kugelann, 1792
Material examined. Azerbaijan: "Azerbajdžan, Běž [Bezh] Barma, Zarat (Baku), 19.5.1975, A. Olexa [lgt.]", 1 spec.; **Bulgaria:** "Bulg. [Bulgaria], Sozopol, vi.[19]63, A. Olexa [lgt.]", 5 spec.; **Czech Republic:** "Boh. [Bohemia], Praha XI., 1.v.[19]45, A. Olexa [lgt.]", 2 spec.; "Boh. [Bohemia], Radešovice, 26.iv.[19]47, A. Olexa [lgt.]", 1 spec.; "Boh. [Bohemia], Opočno, vii.[19]52, A. Olexa [lgt.]", 3 spec.; **Egypt:** "Egypt, Hurghada, 20.7.[19]68, Deneš lgt.", 11 spec.; **Kyrgyzstan:** "Kirgizia, Kadamžaj [Kadamzhay], Oš [Osh], 27.iv.1972, A. Olexa [lgt.]", 1 spec.; **Somalia:** "Somálsko, Mogadishe, Pouzar [lgt.]", 1 spec.; **Tadzhikistan:** "Tajikistan, Tigrovaja Balka, 2-6.6.1966, A. Olexa [lgt.]", 3 spec.
Cosmopolitan species.

Dermestes (*Dermestinus*) *gyllenhalii gyllenhalii* Laporte de Castelnau, 1840
Material examined. Czech Republic: "Mor. [Moravia], Bzenec [7069], iv.[19]48, Krejcárek [lgt.]", 1 spec.
Nominotypical subspecies known from Caucasus, Europe, Iran, Kazakhstan, Russia and Turkey.

Dermestes (*Dermestinus*) *intermedius intermedius* Kalík, 1951
Material examined. Turkey: "Turkey, Silifke (Mersin), 30.6.-2.7.1983, A. Olexa [lgt.]", 2 spec.
Nominotypical subspecies known from Austria, Bulgaria, Czech Republic, Crete, Cyprus, Germany, Greece, Hungary, Italy, Macedonia, Romania, Slovakia, Turkey and Ukraine.

Dermestes (*Dermestinus*) *kaszabi* Kalík, 1950
Material examined. Armenia: "Armenia, Sevan, 17.6.1979, A. Olexa [lgt.]", 1 spec.; **Bulgaria:** "Bulgaria, Arkutino, 7.[19]70, A. Olexa [lgt.]", 1 spec.; **Czech Republic:** "Boh. [Bohemia], Opočno, iv.[19]57, A. Olexa [lgt.]", 1 spec.
Species known from Armenia, Azerbaijan, Bosnia and Hercegovina, Bulgaria, Czech Republic: Moravia, Croatia: Dalmatia, Germany, Greece, Hungary, Iran, Montenegro, Romania, Slovakia and Turkey. First record from the Czech Republic: Bohemia.

Dermestes (*Dermestinus*) *laniarius laniarius* Illiger, 1801
Material examined. Czech Republic: "Boh. [Bohemia], Neratovice [5753], 21.iii.[19]45, A. Olexa [lgt.]" \ "náplav", 1 spec.; **Slovakia:** "Slov. [Slovakia], Košice, vii.[19]46, A. Olexa [lgt.]", 10 spec.
Nominotypical subspecies known from the Palaearctic Region.

Dermestes (*Dermestinus*) *leopardinus* Mulsant et Godart, 1855
Material examined. Azerbaijan: "Azerbajdžan, Běž [Bezh] Barma, Zarat (Baku), 19.5.1975, A. Olexa [lgt.]", 7 spec.
Species known from Armenia, Azerbaijan, Bulgaria, Caucasus, Croatia, Georgia, Russia (European part), Serbia, Turkey and Ukraine.

Dermestes (*Dermestinus*) *murinus murinus* Linnaeus, 1758
Material examined. Czech Republic: "Boh. [Bohemia], Točná [Praha], 26.viii.[19]45, A. Olexa [lgt.]", 1 spec.; "Boh. [Bohemia], Radešovice, 26.iv.[19]47, A. Olexa [lgt.]", 2 spec.;

"Boh. [Bohemia], Klánovice [Praha], 6.iv.[19]46, A. Olexa [lgt.]", 2 spec.; "Boh. [Bohemia], Běchovice [Praha], 4.iv.[19]46, A. Olexa [lgt.]", 1 spec.
Nominotypical subspecies known from the Palaearctic Region.

Dermestes (*Dermestinus*) *planus* Mroczkowski, 1960
Material examined. Uzbekistan: "Uzbekistan, Kyzyl Kum, Buchara, 28-30.4.1975, A. Olexa [lgt.]", 1 spec.
Species known from Turkmenistan and Uzbekistan.

Dermestes (*Dermestinus*) *sardous sardous* Küster, 1846
Material examined. Algeria: "Algeria, Ain Sefra, 9.4.1988, A. Olexa [lgt.]", 1 spec.; **Tunisia:** "Tunis, Monastir, 3-4.6.1982, A. Olexa [lgt.]", 1 spec.
Nominotypical subspecies known from Algeria, Bosnia, Bulgaria, Corsica, Egypt, France, Greece, Italy, Libya, Morocco, Portugal, Sardinia, Slovenia, Spain and Tunisia.

Dermestes (*Dermestinus*) *sibiricus* Erichson, 1848
Material examined. Kazakhstan: "Kazachst., Akkol, Džambul [Dzhambul], 8.5.1979, A. Olexa [lgt.]", 1 spec.
Species known from Armenia, Turkey, Caucasus, northern China, Iran, Kazakhstan, Mongolia, Russia, Turkmenistan and Uzbekistan.

Dermestes (*Dermestinus*) *tessellatocollis tessellatocollis* Motschulsky, 1860
Material examined. Russia: "Rossia centr., Saratov env., 1955, Syrůček lgt.", 1 spec.
Nominotypical subspecies known from northern China, Japan, Korea, Russia: eastern Siberia, and Tibet [China: Xizang province].

Dermestes (*Dermestinus*) *undulatus* Brahm, 1790
Material examined. Armenia: "Armenia, Gegard, 6.[19]63, A. Olexa [lgt.]", 1 spec.; **Austria:** "Wien, Dr. Graf", 1 spec.; **Azerbaijan:** "Azerbajdžan, Čagučuk-čaj [Chaguchuk-chay] (Baku), 18.5.1975, A. Olexa [lgt.]", 1 spec.; "Azerbajdžan, Běž [Bezh] Barma, Zarat (Baku), 19.5.1975, A. Olexa [lgt.]", 1 spec.; **Czech Republic:** "[Bohemia], Vrch Sv. [Svatého] Kříže, 15.v.[19]44, A. Olexa [lgt.]", 2 spec.; "Boh. [Bohemia], Praha VIII, 28.iv.[19]45, A. Olexa [lgt.]", 1 spec.; "Boh. [Bohemia], Klánovice [Praha], 6.iv.[19]46, A. Olexa [lgt.]", 1 spec.; **Kyrgyzstan:** "Kirgizia, Kadamžaj [Kadamzhay], Oš [Osh], 27.iv.1972, A. Olexa [lgt.]", 1 spec.; **Morocco:** "Maroc, Ifrane, 2.5.1991, A. Olexa [lgt.]", 1 spec.; **Slovakia:** "Slov. [Slovakia], Zvolen, v.[19]51, A. Olexa [lgt.]", 1 spec.
Holarctic species.

Dermestes (*Montandonia*) *depressus* Gebler, 1830
Material examined. Russia: "Ussuri, Suputinka, 5.[19]73, Dr. B. Král lgt.", 5 spec.
Species known from Kazakhstan and Russia: Siberia.

Dermestes (*Montandonia*) *fuliginosus* Rossi, 1792
Material examined. Czech Republic: "Mor. [Moravia], Uh. [Uherské] Hradiště [6970], 11.vi.[19]47, A. Olexa [lgt.]", 1 spec.

Species known from Caucasus, Europe, Iran and Turkey. Very rare in central Europe, larvae known from the nests of Hymenoptera, Apoidea.

Dermestes* (*Montandonia*) *olivieri Lepesme, 1939
Material examined. Armenia: "Armenia, Gegard, 15.6.1979, A. Olexa [lgt.]", 7 spec.; the same data but "6.[19]73", A. Olexa [lgt.]", 5 spec.; **Georgia:** "Gruzia, Tbilisi env., 5.[19]73, A. Olexa [lgt.]", 10 spec.; **Slovakia:** "Slov. [Slovakia], Zl. [Zlaté] Moravce, v.[19]56, A. Olexa [lgt.]", 2 spec., A. Olexa det.; "Slov. [Slovakia], Domica, v.[19]58, A. Olexa [lgt.]", 1 spec.; "Slov. [Slovakia], Štůrovo, v.[19]61, A. Olexa [lgt.]", 2 spec.; **Syria:** "Syria, Latakia env., Zainie, 30.4.1982, A. Olexa [lgt.]", 1 spec.
Species known from Armenia, Caucasus, central and southern Europe, Iran, Syria, Turkey and Turkmenistan. First record from Georgia.

TRIBE ORPHILINI

Orphilus beali Zhantiev, 2001
Material examined. Turkey: "Turkey, Pozanti, Taurus, 4-6.7.1983, A. Olexa [lgt.]", 2 spec., A. Olexa det as *O. niger*.
Mediterranean species known from Cyprus, France, Greece, Israel, Lebanon, Spain, Syria and Turkey.

Orphilus niger (Rossi, 1790)
Material examined. Slovakia: "Slov. [Slovakia], Zvolen, vii.[19]59, A. Olexa [lgt.]", 3 spec., A. Olexa det.; the same data but "[19]53", 2 spec., A. Olexa det.; the same data but "vi.[19]51", 2 spec., A. Olexa det.; the same data but "vi.[19]54", 2 spec., A. Olexa det.
Species known from Europe, Turkey, Algeria, Egypt, Tunisia, Caucasus, Kyrgyzstan, Tajikistan and Uzbekistan.

TRIBE TRINODINI

Trinodes hirtus (Fabricius, 1781)
Material examined. Czech Republic: "Boh. [Bohemia], Praha, vii.[19]54, A. Olexa [lgt.]", 5 spec., A. Olexa det.; **Georgia:** "SSSR, Passanaury [P'asanauri 42°21'N 44°40'E, Georgia, South Ossetia], vii.[19]57, A. Olexa [lgt.]", 1 spec.; **Slovakia:** "Slov. [Slovakia], Zvolen, v.[19]51, A. Olexa [lgt.]", 5 spec., A. Olexa det.; "Slov., Košice, vi.[19]49, A. Olexa [lgt.]", 1 spec., A. Olexa det.
Species known from Algeria, Caucasus, Europe, Israel, Tunisia and Turkmenistan. First record from Georgia.

TRIBE ANTHRENINI

Anthrenus* (*Anthrenus*) *delicatus Kiesenwetter, 1851
Material examined. Italy: "Sardinia" [without more detailed locality data], 1 spec.
Mediterranean species known from Algeria, Caucasus, Egypt, southern Europe, Iran, Israel, Morocco, Syria, Tunisia and Turkey.

Anthrenus (*Anthrenus*) *latefasciatus* Reitter, 1892
Material examined. "Turkestan, Reitter" [without more detailed locality data], 1 spec.
Species known from Afghanistan, Caucasus, northern China, Iran, Kazakhstan, northern Korea, Kyrgyzstan, Mandzhuria, Mongolia, Syria, Tajikistan, Turkmenistan and Uzbekistan.

Anthrenus (*Anthrenus*) *picturatus picturatus* Solsky, 1876
Material examined. Georgia: "SSSR, Abchasia, Soči [Sochi], vi.1961, A. Olexa [lgt.]", 4 spec.; **Uzbekistan:** "Uzbekistan, Aman Kutan, Sam. [Samarkand], 21.iv.1972, A. Olexa [lgt.]", 1 spec.
Nominotypical subspecies known from Afghanistan, Caucasus, Iran, Kyrgyzstan, Kazakhstan, Tajikistan, Turkey, Turkmenistan and Uzbekistan. First record from Georgia.

Anthrenus (*Anthrenus*) *pimpinellae pimpinellae* (Fabricius, 1775)
Material examined. Slovakia: "Slov. [Slovakia], B. [Banská] Bystrica, iii.[19]51, A. Olexa [lgt.]", 2 spec., A. Olexa det.
Nominotypical subspecies, nearly cosmopolitan.

Anthrenus (*Anthrenus*) *scrophulariae scrophulariae* (Linnaeus, 1758)
Material examined. Greece: "Euboea, Reitter" [without more detailed locality data], 1 spec.; **Slovakia:** "Slov. [Slovakia], B. [Banská] Bystrica, ii.[19]51, A. Olexa [lgt.]", 1 spec., A. Olexa det.
Nominotypical subspecies, nearly cosmopolitan.

Anthrenus (*Florilinus*) *museorum* (Linnaeus, 1761)
Material examined. Czech Republic: "Boh. [Bohemia], Zbraslav [Prague], vii.[19]52, A. Olexa [lgt.]", 2 spec., A. Olexa det.; **Slovakia:** "Slov. [Slovakia], B. [Banská] Bystrica, ii.[19]51, A. Olexa [lgt.]", 2 spec., A. Olexa det.
Nearly cosmopolitan species.

Anthrenus (*Helocerus*) *fuscus* Olivier, 1789
Material examined. Czech Republic: "Boh. [Bohemia], Zbraslav [Prague], vii.[19]52, A. Olexa [lgt.]", 1 spec., A. Olexa det.
Species known from Bonin Islands (introduced), Canada, Europe, Morocco, St. Helena Island (introduced), and U.S.A.

Anthrenus (*Nathrenus*) *signatus* Erichson, 1848
Material examined. Italy: "Sparato, Karaman [lgt.]" [without more detailed locality data], 1 spec.
Species known from Austria, Bosnia-Hercegovina, Bulgaria, Croatia, Greece, Hungary, Italy, Montenegro, Serbia, Slovenia and Turkey.

Anthrenus (*Nathrenus*) *verbasci* (Linnaeus, 1767)
Material examined. Greece: "Attica, Reitter" [without more detailed locality data], 1 spec.; **Slovakia:** „Slov. [Slovakia], B. [Banská] Bystrica, ii.[19]51, A. Olexa [lgt.]", 2 spec., A. Olexa det.
Cosmopolitan species.

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SOUHRN

Práce předkládá údaje ze sbírky kožojedovitých brouků (Dermestidae) českého entomologa Aldy Olexy, čítající ca. 900 exemplářů a recentně deponované ve sbírce autora. Obsahuje údaje o druzích tribů Dermestini, Orphilini, Trinodini a Anthrenini, a to o 216 autorem determinovaných nebo revidovaných exemplářích 35 druhů, jejichž seznam je uveden v abecedním pořadí. Faunistické údaje jsou doslovným přepisem údajů z lokalitních štítků s upřesňujícími doplňky autora v hranatých závorkách.

Následující druhy jsou poprvé hlášeny ze států, uvedených vždy za jménem druhu: *Anthrenus* (*Anthrenus*) *picturatus picturatus* Solsky, 1876 (Gruzie); *Dermestes* (*Dermestes*) *bicolor bicolor* Fabricius, 1781 (Tádžikistán); *Dermestes* (*Dermestinus*) *kaszabi* Kalík, 1950 (Česká republika: Čechy); *Dermestes* (*Montandonia*) *olivieri* Lepesme, 1939 (Gruzie) a *Trinodes hirtus* (Fabricius, 1781) (Gruzie).

*(Updates available at www.dermestidae.wz.cz).