

## Dermestidae (Coleoptera) from the collection of the Czech entomologist Zdeněk Černý

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The list of all identified specimens of Dermestidae (Coleoptera) from the collection of the Czech entomologist Zdeněk Černý are presented. The subspecies *Dermestes (Dermestes) bicolor cernyi* ssp. n. from Uzbekistan, belonged to the “*Dermestes bicolor* species group” is described, illustrated and compared with similar taxa *D. (D.) bicolor bicolor* Fabricius, 1781 and *D. (D.) bicolor sinensis* Háva, 2004.

Key words: Coleoptera, Dermestidae, taxonomy, faunistics, new subspecies, Palaearctic region.

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### INTRODUCTION

The family Dermestidae (Coleoptera) from the collection of the Czech entomologist Mr. Zdeněk Černý (Mírovice, Prague-east, Czech Republic) comprises 206 specimens mainly from Palaearctic region especially from the Czech Republic deposited in the one box, which are treated in this paper. In the collection is presented first published specimen of *Attagenus smirnovi* Zhantiev, 1973 from the Czech Republic and central Europe (Černý 1988, 1989).

### MATERIAL AND METHODS

All specimens were identified and reviewed by the author. They were recently deposited in the author's collection. Locality labels of the mentioned material are cited in the original version. Remarks of the author are found in

square brackets [ ]. I followed the distribution and classification of Dermestidae published by Háva (2007).

### RESULTS

Subfamily Dermestinae  
Tribe Dermestini

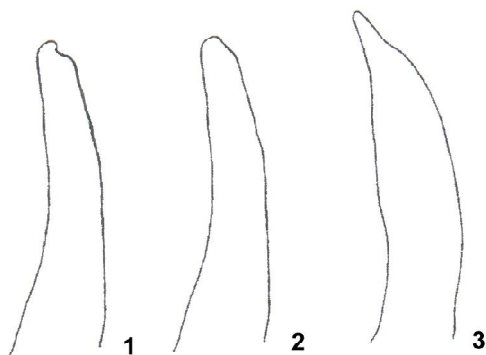
#### *Dermestes (Dermestes) ater* DeGeer, 1774

**Material examined.** „Bohemia c., Praha 4 Jižní Město, 4.iii.1988, Zd. Černý lgt.“, 1 ex.; „Bohemia c., Praha 4 Chodov, 18.i.1988, Zd. Černý lgt.“, 1 ex.; the same data but 28.ii.1988, 1 ex.; the same data but 20.i.1989, ex larva, 2 exx.; „Bohemia c., Praha, 7.v.1989, Zd. Černý lgt.“, 4 exx.; the same data but 12.v.1989, 2 ex; „Bohemia c., Praha 4 Lhotka, 15.iii.1988, na potravinách, Zd. Černý lgt.“, / „*Dermestes ater* V. Kalík det. 1988“, 1 ex.

***Dermestes (Dermestes) bicolor cernyi* ssp. n.**  
(Fig. 1)

**Type material.** Holotype (male): „SSSR, Uzbekistan occ., Nukus /Amu Darja/ vi.-vii.1984, Al. Nedorost et Zdeněk Černý lgt.“. Paratypes (1 male, 2 females): the same data as holotype. Type material is deposited in the author's collection. Specimens of the presently described species are provided with a red, printed label with text as follows: „HOLOTYPE [or PARATYPE, respectively] *Dermestes (Dermestes) bicolor cernyi* ssp. n. Jiří Háva det. 2009”.

**Description.** Male body length 6.02-6.50 mm, width 2.87-3.10 mm. Whole body brown, elongated, slightly convex. Head with long brown-yellow pubescence, densely punctured, maxillary and labial palps brown. Antennae brown, with 11-segmented. Three last antennal segments forming light brown antennal club, which is covered by yellow pubescence. Pronotum is more closely punctured and more densely pubescent than head. Pronotal disc moderately convex, its pubescence long, formed by brown-yellow hairs, hind margin of pronotum with long, yellow hairs. There are two small depressions near basal margin of pronotum. Scutellum triangular, covered with long brown



Figs 1-3. Aedeagus, lateral view: 1- *Dermestes (Dermestes) bicolor cernyi* ssp. n.; 2- *D. (D.) bicolor sinensis* Háva, 2004; 3- *D. (D.) bicolor* Fabricius, 1781.

pubescence. Elytra densely and strongly punctured; each elytron with 6 very flat striae; its maximum length 5.37 mm and maximal combined width 3.10 mm; anteriorly on posterior margin near epipleuron with long dense brown-yellow pubescence; posteriorly gradually rounded, with dense brown pubescence. Apex of each elytron with short brown pubescence. Legs brown with yellow pubescence. Ventral part of body densely covered with yellow pubescence. Prosternum with long brown pubescence. All visible abdominal sternites brown and with short dense yellow pubescence. First visible abdominal sternite with distinct lateral depressions. Sternites III and IV with median tuft of yellow setae. Aedeagus laterally aspect as in (Fig. 1).

Female similar to male, but abdominal sternites is without median tuft of setation. Female body length 6.75-6.90 mm, width 3.35-3.38 mm.

**Differential diagnosis.** *Dermestes (Dermestes) bicolor cernyi* ssp. n. belong to „*D. bicolor* species group“ defined by Kalík & Ohbayashi (1982); in Palaearctic region this group presented of 8 species and subspecies; the new subspecies similar of the pubescence on dorsal surfaces to *D. (D.) bicolor bicolor* Fabricius, 1781 and *D. (D.) bicolor sinensis* Háva, 2004. Moreover, it is separated from *D. bicolor bicolor* Fabricius, *D. (D.) bicolor sinensis* Háva, 2004 and *D. bicolor impressus* Pic (north Africa) by different structure of the male genitalia and elytral striae of the new subspecies very flat.

**Name derivation.** Patronymic, dedicated to the collector of the new subspecies, my friend, Zdeněk Černý (Mírovice, Prague-east, Czech Republic).

***Dermestes (Dermestes) lardarius* Linnaeus, 1758**

**Material examined.** „Bohemia centr., Praha-Mírovice, 11.vii.1966, Zd. Černý lgt.“, 2 exx.; the same data but 15.ix.1971, 1 ex.; the same data but 1.vii.1973, 1 ex.; the same data but 10.vii.1982, 1 ex.; the same data but 10.ix.1985, 1 ex.; the same

data but 7.v.1989, 2 exx.; „Slovakia mer., Štúrovo, Bel. Kop., 23.v.1970, Zd. Černý lgt.“, 1 ex.; „Slovakia centr., Banská Bystrica, Ostrý-Ravasky, 25-26.vii.1985, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestes) haemorrhoidalis*  
Küster, 1852**

**Material examined.** „Bohemia c., Praha, [Jaroslav] Baumert [lgt.], 1969, Zd. Černý lgt.“, 4 exx.; „Bohemia centr., Praha, nám. Republiky 3, 15.vii.1986, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) erichsoni* Ganglbauer,  
1904**

**Material examined.** „Bulgaria or., Slnčev Brjag, 13-19.vi.1970, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) frischii* Kugelann,  
1792**

**Material examined.** „Bulgaria or., Slnčev Brjag, 13-19.vi.1970, Zd. Černý lgt.“, 2 exx.; „Slovakia mer., Štúrovo okolí, 20.v.1970, Zd. Černý lgt.“, 3 exx.; „Jugoslavia, [Croatia], Orebič, 15.viii.1989, Šafanda lgt.“, 2 exx.

***Dermestes (Dermestinus) gyllenhallii*  
*gyllenhallii* Laporte de Castelnau, 1840**

**Material examined.** „Moravia m, Lednice, 7266, Nový Dvůr, 7.v.1995, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) intermedius*  
*intermedius* Kalík, 1951**

**Material examined.** „Bulgaria or., Slnčev Brjag, 14.vi.1975, Zd. Černý lgt.“, 1 ex.; „Bulgaria or., Košarica, 19.vi.1975, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) kaszabi* Kalík, 1950**

**Material examined.** „Bulgaria or., Nesebar-Slnčev Brjag, 19.vi.1968, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) laniarius laniarius*  
Illiger, 1802**

**Material examined.** „Moravia mer., Pálava-Břeclav, Pohansko, 11.v.1995, Zd. Černý lgt.“, 1 ex.; „Moravia mer., Pálava, Mušlov pískovna, 14.v.2008, Zd. Černý lgt.“, 1 ex.; „Moravia mer., Lednice, 19.v.1984, Zd. Černý lgt.“, 2 exx.; „Slovakia mer., Štúrovo-Obid, 26.v.1969, Zd. Černý lgt.“, 2 exx.; the same data but 21.v.1970, 1 ex.; „Slovakia mer., Štúrovo, Bel. Kop., 21.v.1970, Zd. Černý lgt.“, 2 exx.; „Slovakia mer., Šahy step, 30.v.1984, Zd. Černý lgt.“, 1 ex.; „Slovakia mer., Štúrovo soutok Dunaje a Hronu, 10.v.1987, Zd. Černý lgt.“, 10 exx.

***Dermestes (Dermestinus) murinus murinus*  
Linnaeus, 1758**

**Material examined.** „Bohemia centr., Čelákovice, 8.vii.1974, Zd. Černý lgt.“, 2 exx.; „Bohemia centr., Srbsko, 6.v.1971, Zd. Černý lgt.“, 1 ex.

***Dermestes (Dermestinus) undulatus* Brahm,  
1790**

**Material examined.** Moravia, Břeclav, Poštorná sklad, 13.v.2008, Zd. Černý lgt.“, 2 exx.; „Slovakia mer., Štúrovo okolí, 20.v.1970, Zd. Černý lgt.“, 4 exx.; „Slovakia mer., Štúrovo, Bel.[Belanské] Kop. [Kopce], 11.vi.1973, Zd. Černý lgt.“, 1 ex.; „Bulgaria or., Slnčev Brjag, 14.vi.1975, Zd. Černý lgt.“, 1 ex.; „Jugoslavia, [Croatia], Orebič, 15.viii.1989, Šafanda lgt.“, 4 exx.

***Dermestes (Montandonia) fuliginosus* Rossi,  
1792**

**Material examined.** „Turkey south, Sacak Beli gecidi, 1473 m, 29.v.1994, Z. Černý lgt.“, 5 exx.

Subfamily Attageninae  
Tribe Attagenini

***Attagenus pellio* (Linnaeus, 1758)**

**Material examined.** „Slovakia mer., Štúrovo, Bel. Kop., 16.v.1972, Zd. Černý lgt.“, 1 ex.; the same data but 26.v.1969, 1 ex.; „Slovakia mer., Plášťovce, 28.iv.1988, Zd. Černý lgt.“, 1 ex.; „Bohemia centr., Praha-Mírovice, 1.v.2009, Zd. Černý lgt.“, 3 exx.; the same data but 12.vi.1963, 2

exx.; the same data but 17.v.1975, 2 exx.; the same data but 12.iv.1974, 1 ex.; „Moravia mer., Lednice, 26.v.1984, Zd. Černý lgt.“, 1 ex.; „Jugoslavia oc., [Slovenia], Portorož, 11.v.1988, Zd. Černý lgt., 1 ex.

***Attagenus punctatus* (Scopoli, 1772)**

**Material examined.** „Moravia mer., Lednice, 7.v.1983, Zd. Černý lgt.“, 1 ex.; „Slovakia mer., Vinosady, Pezinok, 1.v.1988, Zd. Černý lgt.“, 1 ex.

***Attagenus smirnovi* Zhantiev, 1973**

**Material examined.** „Bohemia centr., Praha, nám. Republiky 3, 1-15.i.1984, Zd. Černý lgt.“, 1 ex.\*\*; the same data but various data of collecting from 1984 to 1989, 50 exx.; „Bohemia centr., Praha, Staré Město, 25.ix.1988, Zd. Černý lgt., 1 ex; the same data but 14.x.1988, 1 ex.; the same data but 26.x.1988, the same data but 8.xi.1988, 1 ex.; Bohemia centr., Praha 4 - Lhotka, 25.ii.1988, Zd. Černý lgt.“, 1 ex.

**Remarks.** \*\* = this is first published specimen from the Czech Republic and central Europe (Černý 1988, 1989).

***Attagenus unicolor unicolor* (Brahm, 1790)**

**Material examined.** „Bohemia centr., Praha-Mírovce, 30.vi.1963, Zd. Černý lgt.“, 1 ex.; the same data but 15.v.1989, 1 ex.; „Bohemia centr., Praha, nám. Republiky 3, 11.vi.1987, Zd. Černý lgt.“, 1 ex.; the same data but 1-6.vii.1989, 6 exx.; the same data but 6-11.vii.1988, 5 exx.; „Moravia m., 7267, Pálava-Břeclav, Pohansko, 6-8.vii.1995, Zd. Černý lgt.“, 1 ex.; „Slovakia med., Plešivec okolí, 10.v.1978, Zd. Černý lgt.“, 1 ex.

Subfamily Megatomiinae  
Tribe Anthrenini

***Anthrenus (Anthrenus) pimpinellae pimpinellae* (Fabricius, 1775)**

**Material examined.** „Bohemia c., St. Boleslav, Nový Vestec-Káraný, 15.v.1971, Zd. Černý lgt.“,

4 exx.; „Bohemia centr., Praha-Mírovce, 1.v.2009, Zd. Černý lgt.“, 1 ex.; the same data but 20.v.1988, 1 ex.; „Moravia mer., Lednice, 26.v.1984, Zd. Černý lgt.“, 1 ex.; „Slovakia mer., Štúrovo, Bel.[Belanské] Kop. [Kopce], 9.v.1976, Zd. Černý lgt.“, 1 ex.; „Slovakia mer., Plášťovce, 1.vi.1984, Zd. Černý lgt.“, 1 ex.

***Anthrenus (Anthrenus) scrophulariae scrophulariae* (Linnaeus, 1758)**

**Material examined.** „Bohemia c., St. Boleslav, Nový Vestec-Káraný, 15.v.1971, Zd. Černý lgt.“, 1 ex.; the same data but 7.v.1972, 3 exx.; „Bohemia centr., Praha-Mírovce, 1.v.2009, Zd. Černý lgt.“, 4 exx.; „Slovakia mer., Plášťovce, 28.iv.1988, Zd. Černý lgt.“, 1 ex.; „Slovakia mer., Štúrovo, Bel.[Belanské] Kop. [Kopce], 9.v.1976, Zd. Černý lgt.“, 1 ex.

***Anthrenus (Florilinus) museorum* (Linnaeus, 1761)**

**Material examined.** „Bohemia centr., Praha-Mírovce, 10.v.1984, Zd. Černý lgt.“, 1 ex.; the same data but 30.iii.1989, 1 ex.; the same data but 10.vi.1898, 1 ex.

***Anthrenus (Florilinus) olgae* Kalík, 1946**

**Material examined.** „Bohemia centr., Praha, nám. Republiky, 15.iv.1986, Zd. Černý lgt.“ / „*Anthrenus olgae* Kal., V. Kalík det. 1987“, 1 ex.; the same data but 15.vii.1985, 1 ex.; the same data but 29.v.1986, 1 ex.

***Anthrenus (Nathrenus) verbasci* (Linnaeus, 1767)**

**Material examined.** „Jugoslavia oc., [Slovenia], Portorop, 6.v.1986, Zd. Černý lgt., 7 exx.

Tribe Megatomiini

***Megatoma (Megatoma) undata undata* (Linnaeus, 1758)**

**Material examined.** „Bohemia centr., Praha, Div[oká]. Šárka, 14.v.1979, M. Soldát lgt.“ /

„uloven na kmeni dubu“, 1 ex.; Bohemia c., Žehuň-Báň, 5.vi.1973, Z. Černý lgt., 1 ex.; Bohemia c., Beroun, Nižbor, 1968, Prokš [lgt.]“, 1 ex.; Bohemia centr., Čelákovice, 18.iv.1970, Zd. Černý lgt.“, 1 ex.; Bohemia centr., Čelákovice, 5854, 14.v.1989, Zd. Černý lgt.“, 1 ex.; Bohemia centr., Staroboleslavské lesy, 14.v.1989, Zd. Černý lgt.“, 1 ex.

Subfamily Orphilinae  
Tribe Orphilini

***Orphilus niger* (Rossi, 1790)**

**Material examined.** „Gruzia [= Georgia], Mys Picunda, 30.vi.1973, Zd. Černý lgt.“, 1 ex.; „Rossia mer., [Krasnodarskyi Territory] Achun, Soči, 3.vi.1973, Zd. Černý lgt.“, 1 ex.

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