

Contribution to the Dermestidae (Coleoptera) from the Arabian Peninsula. 1.

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Abstract: The following species are recorded: *Anthrenus (Anthrenodes) malkini* MROCKOWSKI, 1980 (Saudi Arabia), *Attagenus aristidis* (PIC, 1894) (Yemen), *Attagenus beali* ZHANTIEV, 2005 (Saudi Arabia), *Attagenus brunneus* FALDERMANN, 1835 (Yemen), *Attagenus posticalis* FAIRMAIRE, 1878 (Saudi Arabia), *Dermestes (Dermestinus) maculatus* DEGEER, 1774 (Yemen) and *Dermestes (Dermestes) lardarius* LINNAEUS, 1758 (Yemen). *Dermeanthrenina* subtr. n. belonged to the tribe Anthrenini, subfamily Megatominae is newly stated for *Dermeanthrenus pretiosus* HÁVA, 2008. The species *Attagenus ornatus* HÁVA, 2007 stat. nov. is newly stated as independent species from *Attagenus atripennis ornatus* Háva, 2007.

Key words: Coleoptera, Dermestidae, distribution, new records, Arabian peninsula.

Introduction

The Dermestidae contains about 1400 species and subspecies worldwide. Currently, there are 48 species known from the Arabian Peninsula alone (Háva 2003, 2007a & b, 2008, 2009). The present study summarizes a first part of dermestids material deposited in the University of Manchester, the Manchester Museum (United Kingdom) as well as the material deposited in the author's collection.

Methods

The following abbreviations refer to the the examined material deposited in the aforementioned collections:

UMMC – University of Manchester, the Manchester Museum, United Kingdom,

JHAC – author's collection, Praha, Czech Republic.

Taxonomical Part

Subfamily Attageninae

Tribe Attagenini

Attagenus aristidis (PIC, 1894)

Material examined: „Saudi Arabia, Eastern Prov., D. A. Pitcher / Ain Dar, 7 km S, 16.04.1982, no. 132 / *Attagenus aristidis* V.

Kalík det. 1990“, J. Háva revid., 3 Ind. (2 Ind. UMMC, 1 Ind. JHAC).

Distribution: Species known from Algeria, Egypt, Iran and Qatar. New for Saudi Arabia.

Attagenus beali ZHANTIEV, 2005

Material examined: „Saudi Arabia, Eastern Prov., D. A. Pitcher / Udhailiyah Camp [37 km SW of Al Hufuf], 7.10.1982, No. 228 / *Attagenus* sp. n.? V. Kalík det. 1990“, 3 males, 1 female, J. Háva det., (3 UMMC, 1 JHAC).

Distribution: Species is recently described from Al Hufuf (Zhantiev 2005), new locality data.

Attagenus brunneus FALDERMANN, 1835

Material examined: „Republic of Yemen, Sana'a, 9-10.06.2009, V. Hula leg.“, 1 female, J. Háva det., (JHAC).

Distribution: Holarctic species. New for Yemen.

Attagenus ornatus HÁVA, 2007 stat. nov.

Attagenus atripennis ornatus HÁVA, 2007b: 313.

Remarks: *Attagenus ornatus* is herewith stated as independent species from *A. atripennis*. External morphological characters in both species is different.

Distribution: Species known only from Socotra Island.

Attagenus cf. *vanharteni* HÁVA, 2009

Material examined: „Saudi Arabia, Eastern Prov., D. A. Pitcher / Udhailiyah Camp [37 km SW of Al Hufuf], 7.10.1982, No. 228“, 1 female, J. Háva det., (UMMC).

Remarks: The females similar to *A. vanharteni* recently found in United Arab Emirates (Háva 2009), but slightly different in the colour patterns on elytra and shape of antennae. For its final determination, the need for more local specimens that include males is necessary.

Attagenus posticalis FAIRMAIRE, 1878

Material examined: „Saudi Arabia, Eastern Prov., D. A. Pitcher / Al Uyun, Al Hasa, 16.04.1982, no. 131 / *Attagenus* near lynx Mr. V. Kalík det. 1990“, 6 Ind., (4 Ind. UMMC, 2 Ind. JHAC), the same locality but 2.04.1985 no. 363, 4 Ind., (UMMC), „Saudi Arabia, Eastern Prov., D. A. Pitcher / Aramco Farm, Al Hasa, 24.06.1982, no. 214“, 2 Ind, (UMMC).

Distribution: Species known from Spain, Algeria, Egypt, Mauretania, Morocco, Niger, Senegal, Sudan, Tunisia, Israel, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Yemen. New locality data.

Subfamily Dermestinae

Tribe Dermestini

Dermestes (Dermestinus) maculatus DEGEER, 1774

Material examined: „Republic of Yemen, Sana'a, 9-10.06.2009, V. Hula leg.“, 1 Ind., J. Háva det., (JHAC), „Republic of Yemen, Socotra Is., Shibhon, Wadi Zirik, 16.06.2009, V. Hula leg.“, 1 Ind., J. Háva det., (JHAC).

Distribution: Cosmopolitan species, supplemented new locality data.

Dermestes (Dermestes) lardarius LINNAEUS, 1758

Material examined: „Yemen, Sanaa, 1986“,

without collector, 1 Ind., J. Háva det., (JHAC).

Distribution. Cosmopolitan species, new for Yemen.

Subfamily Megatominae

Tribe Anthrenini

Subtribe Anthrenina

Anthrenus (Anthrenodes) malkini MROCKOWSKI, 1980

Material examined: „Saudi Arabia, Eastern Prov., D. A. Pitcher / Udhailiyah Camp [37 km SW of Al Hufuf], 7.10.1982, No. 228 / *Anthrenus* sp. V. Kalík det. 1985“, 2 Ind., J. Háva det., (UMMC).

Distribution: Species known from Oman, Qatar, Saudi Arabia, United Arab Emirates, Yemen. New locality data.

Subtribe Dermeanthrenina **subtr. nov.**

Type genus: *Dermeanthrenus* Háva, 2008: 62.

Type species: *Dermeanthrenus pretiosus* Háva, 2008: 62.

Differential diagnosis: New subtribe differs from subtribe Anthrenina by the following characters:

1 (2) Parameres without connecting bridge, median lobe broad and long, reached to parameres, pronotum very flatt, lateral margins very raised, terminal antennal segment tipped Dermeanthrenina subtr. nov.

2 (1) Parameres with connecting bridge, pronotum convex, lateral margins bent downward, terminal antennal segment circular or rounded without tip Anthrenina

Remarks: According to the specific morphological characters described by Háva (2008: 62) the species *Dermeanthrenus pretiosus* HÁVA, 2008 is newly transferred from the subtribe Anthrenina to new subtribe Dermeanthrenina.

Table 1. Species of Dermestidae known from the Arabian peninsula and Socotra Island.

Taxa	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
		Arabian Peninsula	Socotra Island			
Subfamily Dermestinae						
Tribe Dermestini						
<i>Dermestes (Dermestinus) maculatus</i> DEGEER, 1774	*	*	*	*	*	*
<i>Dermestes (Dermestinus) frischii</i> KUGELLAN, 1792	*	*	*	*	*	*
<i>Dermestes (Dermestes) ater</i> DEGEER, 1774	*			*	*	*
<i>Dermestes (Dermestes) lardarius</i> LINNAEUS, 1758		*			*	
Tribe Marioutini						
Subtribe Marioutina						
<i>Mariouta stangei</i> REITTER, 1910	*			*		
Tribe Rhopalosilphina						
<i>Rhopalosilpha wasmanni</i> ARROW, 1929	*			*		
Subfamily Thorictinae						
Tribe Thorictini						
<i>Thorictus arabicus</i> HÁVA, 2010	*					
<i>Thorictus peyerimhoffi</i> CHOBOUT, 1904	*					
Subfamily Attageninae						
Tribe Attagenini						
<i>Attagenus apicalis</i> PIC, 1942	*					
<i>Attagenus aristidis</i> (PIC, 1894)	*					*
<i>Attagenus atripennis</i> PIC, 1938	*	*				
<i>Attagenus beali</i> ZHANTIEV, 2005	*					
<i>Attagenus dichrous</i> ROTH, 1851	*					
<i>Attagenus fasciatus</i> (THUNBERG, 1795)	*	*		*	*	*
<i>Attagenus fasciolatus</i> (SOLSKY, 1876)	*					
<i>Attagenus heydeni</i> (REITTER, 1881)	*					
<i>Attagenus lobatus</i> ROSENHAUER, 1856	*				*	
<i>Attagenus lynx</i> (MULSANT ET REY, 1868)	*					*
<i>Attagenus omanicus</i> ZHANTIEV, 2007		*		*		
<i>Attagenus ornatus</i> HÁVA, 2007 stat. nov.			*			
<i>Attagenus papei</i> HÁVA, 2009					*	
<i>Attagenus posticalis</i> FAIRMAIRE, 1878	*	*		*	*	*
<i>Attagenus vanharteni</i> HÁVA, 2009					*	
Subfamily Megatominae						
Tribe Megatomini						
<i>Orphinus kabateki</i> HÁVA, 2007			*			
<i>Orphinus soqotrensis</i> HÁVA, 2007			*			
<i>Phradonoma hirsutulum</i> (REICHE in MULSANT et REY, 1868)	*	*			*	
<i>Phradonoma nobile</i> (REITTER, 1881)	*	*			*	*
<i>Phradonoma oculata</i> HÁVA, 2004		*				
<i>Phradonoma sweihanum</i> HÁVA, 2009					*	
<i>Phradonoma tricolor</i> (ARROW, 1915)	*	*		*		
<i>Trogoderma glabrum</i> (HERBST, 1783)				*		
<i>Trogoderma granarium</i> EVERTS, 1898	*	*		*	*	*
<i>Trogoderma variabile</i> BALLION, 1878	*					
Tribe Anthrenini						
Subtribe Anthrenina						
<i>Anthrenus (Anthrenus) ardoi</i> KADEJ et HÁVA, 2011				*		
<i>Anthrenus (Anthrenus) crustaceus</i> REITTER, 1881	*	*				
<i>Anthrenus (Anthrenus) flavipes flavipes</i> LECONTE, 1854	*	*		*	*	*
<i>Anthrenus (Anthrenus) picturatus arabicus</i> HÁVA et HERRMANN, 2006		*				

Continuation of Table 1

<i>Anthrenus (Anthrenus) rauterbergi</i> REITTER, 1908	*					
<i>Anthrenus (Anthrenodes) pulchellus</i> GESTRO, 1889	*	*				
<i>Anthrenus (Anthrenodes) minor</i> WOLLASTON, 1865	*					
<i>Anthrenus (Anthrenodes) malkini</i> MROCZKOWSKI, 1980	*	*		*	*	*
<i>Anthrenus (Anthrenodes) wittmeri</i> MROCZKOWSKI, 1980	*					
<i>Anthrenus (Anthrenodes) buettikeri</i> MROCZKOWSKI, 1980	*					
<i>Anthrenus (Anthrenops) cervenkai</i> HÁVA et HERRMANN, 2006		*		*		
<i>Anthrenus (Anthrenops) coloratus</i> REITTER, 1881	*	*			*	*
<i>Anthrenus (Anthrenops) geisthardtii</i> HÁVA et HERRMANN, 2006		*				
<i>Anthrenus (Anthrenops) longus</i> ARROW, 1915			*			
<i>Anthrenus (Anthrenops) subclaviger</i> REITTER, 1881	*	*				
<i>Anthrenus (Nathrenus) jakli</i> HÁVA, 2001		*		*		
subtribe <i>Dermeanthrenina</i> subtr. nov.						
<i>Dermeanthrenus pretiosus</i> HÁVA, 2008				*		

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