

**A contribution to knowledge of the Dermestidae (Coleoptera)  
from the Arabian Peninsula.  
Part 2- Description of a new *Attagenus* species from Yemen**

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**Abstract.** In the work presented here, a new species *Attagenus herrmanni* sp. nov. from Yemen is described, illustrated and compared with similar species. The new species belongs to the subfamily Attageninae, tribe Attagenini and differs from all the known species by the colours and setation of dorsal surfaces and structure of antennae and male genitalia.

## INTRODUCTION

The family Dermestidae currently contains 1420 species and subspecies worldwide, 50 species being known from Arabian Peninsula (Háva 2003, 2007a,b, 2009, 2010, 2011, Zhantiev 2005). The present study is based on dermestid material deposited in collections specified below. The work contains results of my studies related to those published in my recently preceding articles.

## MATERIAL AND METHODS

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

total length (TL) - linear distance from anterior margin of pronotum to apex of elytra.  
elytral width (EW) - maximum linear transverse distance.

Other abbreviations:

AHEC Private collection of Andreas Herrmann, Stade, Germany;

JHAC Private Entomological Laboratory and Collection, Jiří Háva, Prague-west, Czech Republic.

## DESCRIPTION

### *Attagenus herrmanni* sp. nov.

(Figs 1-4)

**Type material.** Holotype (♂): „Jemen [Yemen], S-Jemen, Al Kawd, Lichtfalle, ix.2003, v. Harten“, (AHEC). Paratypes (6 ♂♂): the same data as with holotype but dates: vii-ix.2001, viii.2000, (3 AHEC, 2 JHAC). Type specimens were labelled with red, printed labels bearing the text as follows: “HOLOTYPE [or PARATYPE, respectively] *Attagenus herrmanni* sp. n. J. Háva det. 2012“.

**Description.** Male. Body (Fig. 1) measurements (mm): TL 2.60-2.75 EW 1.65-1.67; cuticle brown on dorsal surfaces, and brown on ventral surfaces; large and ovate. Head finely punctate with long, white pubescence. Palpi entirely brown; pubescence on mentum denser. Ocellus on front present. Antennae brown, 11-segmented, antennal club 3-segmented (Fig. 2). Pronotum finely punctate like head, covered by long, whitish-yellow pubescence, discally with two small, light-brown, distinct spots. Scutellum triangular, finely punctate as pronotum, with long white pubescence. Elytra finely punctate; cuticle brown, covered by whitish-yellow pubescence, with one transverse, median fasciae covered by brown pubescence and one brown spot in anterior part; anterior spot on each elytron not reaching suture (Fig. 1). Prosternal process broad and long, covered by long, white pubescence. Mesosternum and metasternum with long, white pubescence. Abdominal sternites with long, white pubescence (Fig. 4). Legs brown with whitish-yellow pubescence; tibiae with short, brown thorns. Male genitalia (Fig. 3).

Female unknown.



Figs 1-4. *Attagenus herrmanni* sp. nov.: 1-habitus; 2-antenna of male; 3- male genitalia; 4- abdomen.



**Differential diagnosis.** The new species is visually very similar to *Attagenus lynx* (Mulsant et Rey, 1868), but differs from it by the form of antennae and male genitalia and colour pattern of elytra.

**Distribution.** Yemen.

**Etymology.** Patronymic, the species is named in honour of my friend and colleague Andreas Herrmann (Stade, Germany).

Table 1. Species of Dermestidae known from the Arabian Peninsula.

Taxa	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
		Arabian Peninsula	Soqatra Island			
<b>Subfamily Dermestinae</b>						
<b>Tribe Dermestini</b>						
<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		*			*	
<b>Tribe Marioutini</b>						
<i>Mariouta stangei</i> Reitter, 1910	*			*		
<i>Rhopalosilpha wasmanni</i> Arrow, 1929	*			*		
<b>Subfamily Thorictinae</b>						
<b>Tribe Thorictini</b>						
<i>Thorictus arabicus</i> Háva, 2010	*					
<i>Thorictus peyerimhoffi</i> Chobaut, 1904	*					
<b>Subfamily Attageninae</b>						
<b>Tribe Attagenini</b>						
<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 herrmanni</i> sp. nov.		*				

<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			*		
<i>Attagenus papei</i> Háva, 2009				*	
<i>Attagenus posticalis</i> Fairmaire, 1878	*	*		*	*
<i>Attagenus vanharteni</i> Háva, 2009				*	
<b>Subfamily Megatominae</b>					
<b>Tribe Megatomini</b>					
<i>Orphinus kabateki</i> Háva, 2007			*		
<i>Orphinus socotrensensis</i> Háva, 2007			*		
<i>Phradonoma hirsutululum</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	*				
<b>Tribe Anthrenini</b>					
<b>Subtribe Anthrenina</b>					
<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		*			
<i>Anthrenus (Anthrenus) rauterbergeri</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		*		*	
<b>subtribe Dermeanthrenina</b>					
<i>Dermeanthrenus pretiosus</i> Háva, 2008				*	

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## REFERENCES

- HÁVA J. 2003: World Catalogue of the Dermestidae (Coleoptera). *Studie a Zprávy Oblastního Muzea Praha-východ v Brandyse nad Labem a Staré Boleslavi* Supplementum 1: 1-196.
- HÁVA J. 2007a: Dermestidae: 57, 299-320. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea, Derodontoidea, Bostrichoidea, Lymexyloidea, Cleroidea and Cucujoidea*. Stenstrup, Apollo Books: 935 pp.
- HÁVA J. 2007b: New species and new records of Dermestidae (Insecta: Coleoptera) from the Arabian Peninsula including Socotra Island. *Fauna of Arabia* 23: 309-317.
- HÁVA J. 2008: Description of *Dermeanthrenus pretiosus* gen. n., sp. n. (Coleoptera: Dermestidae: Anthrenini) from Sultanate of Oman. *Studies and Reports of District Museum Prague-East Taxonomical Series* 4: 61-66.
- HÁVA J. 2009: Order Coleoptera, Family Dermestidae. Pp. 164-173. In: VAN HARTEN A. (ed.): *Arthropod fauna of the UAE 2*, Abu Dhabi, UAE, 786 pp.
- HÁVA J. 2010: *Thoricus arabicus* sp. nov., a new species from Saudi Arabia (Coleoptera: Dermestidae: Thoricinae: Thoricini). *Latvijas Entomologs* 49: 32-34.
- HÁVA J. 2011: Contribution to the Dermestidae (Coleoptera) from the Arabian peninsula - 1. *Latvijas Entomologs* 50: 5-8.
- ZHANTIEV R. D. 2005: New and Little-Known Species of the Genus *Attagenus* (Coleoptera, Dermestidae). *Zoologicheskij Zhurnal* 84: 1147-1152 (in Russian, English summary).

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