

## ARTIGO / ARTÍCULO / ARTICLE

*Attagenus yemensis* sp. nov., a new species from Yemen  
(Coleoptera: Dermestidae: Attageninae).Jiří Háva<sup>1</sup> & Andreas Herrmann<sup>2</sup>

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**Abstract:** In the present work, a new species *Attagenus yemensis* 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 in the colours and setation of the dorsal surfaces and the structure of antennae and male genitalia.  
**Key words:** Coleoptera, Dermestidae, *Attagenus*, Taxonomy, new species, Yemen.

**Resumen:** *Attagenus yemensis* sp. nov., una nueva especie de Yemen (Coleoptera: Dermestidae: Attageninae). En el presente trabajo se describe una nueva especie de Yemen, *Attagenus yemensis* sp. nov., y se ilustra y compara con especies similares. La nueva especie pertenece a la subfamilia Attageninae, tribu Attagenini y se diferencia del resto de especies conocidas por la coloración y la setación dorsal y por la estructura de la antena y genitalia masculina.  
**Palabras clave:** Coleoptera, Dermestidae, *Attagenus*, Taxonomía, especie nueva, Yemen.

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## Introduction

The family Dermestidae currently contains 1480 species and subspecies worldwide, 54 species being known from the Arabian Peninsula (Háva 2011, 2012a, 2012b, 2012c, 2013; Kadej & Háva 2011; Zhantiev 2005). The present study is based on dermestid material deposited in the collections specified below. The work contains results of the first author's studies related to those published in 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;

MZHF Finnish Museum of Natural History, Helsinki, Finland;

NMPC National Museum, Prague, Czech Republic.

## Description

### Subfamily Attageninae

#### Tribe Attagenini

#### *Attagenus yemensis* sp. nov.

(Figs. 1-3)

**Type material.** Holotype (♂) labelled: "Jemen, Ta'izz, ix.2000, Lichtfalle, T.v.Harten lgt.", (AHEC). Paratypes: (1♂): the same data as the Holotype, (JHAC); (1♂): Yemen, Ta'izz, 22-23.iii.1992, R. Linnavuori lgt., (MZHF); (1♂, 1♀): Yemen, Sana'a gov., 5 km SW of Al Badia vill., (steppe with *Aerva*, *Opuntia*), 15°04.7' N 43°46.7' E, ca 1.475 m, 5+19.xi.2010, Jiří Hájek lgt., (NMPC). Type specimens were labelled with red, printed labels bearing the text as follows: "HOLOTYPE [or PARATYPE, respectively] *Attagenus yemensis* sp. nov. J. Háva & A. Herrmann det. 2014".

#### Description.

**Male.** Body measurements (mm): TL 3.2 EW 1.9; cuticle brown on dorsal surfaces, and light brown on ventral surfaces; small and ovate.

Head finely punctate with short, yellow, recumbent pubescence. Palpi entirely light brown; pubescence on mentum denser. Ocellus on front present. Eyes large, with microsetae. Antennae brown, with 11 antennomeres, antennal club with 3 antennomeres (Fig. 2).

Pronotum finely punctate like head, covered by long, yellow, recumbent pubescence, discally with one small, black, distinct spot and two very small black spots near lateral parts. Lateral part covered by short, yellow pubescence. Anterior angles not visible from above.

Scutellum triangular, finely punctate as pronotum, without pubescence.

Elytra finely punctate; cuticle brown, covered by yellow and brown, recumbent pubescence. Each elytron with three transverse fasciae and apical spot of yellow pubescence (Fig. 1). Prosternal process broad and long, covered by short, yellow recumbent pubescence.

Mesoventrum and metaventrum with short, yellow recumbent pubescence, finely punctured.

Abdominal ventrites light brown with short, yellow recumbent pubescence.

Legs brown with whitish-yellow pubescence; tibiae with short, dark-brown thorns along shaft.

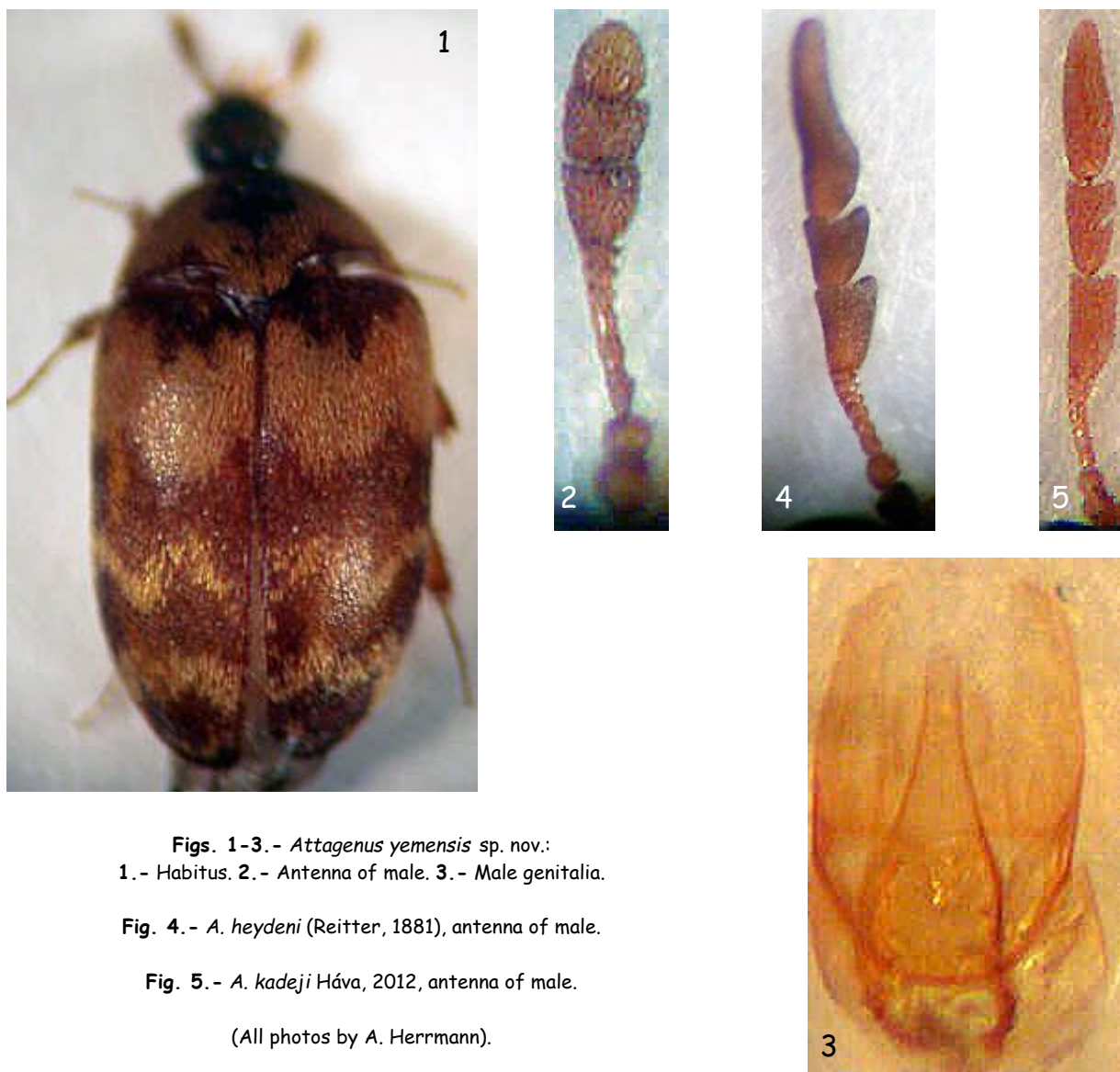
Male genitalia (Fig. 3).

**Female.** Externally similar to male, but antennal club is smaller.

**Differential diagnosis.** The new species is similar to *Attagenus heydeni* (Reitter, 1881) and *A. kadeji* Háva, 2012 but differs from them by the following characters:

- terminal antennomere very short (Fig. 2), pronotum with one small black spot discally and two very small black spots near lateral part..... *A. yemensis* sp. nov.
- terminal antennomere long (Fig. 4), pronotum with one large black spot discally and two very small black spots near lateral parts..... *A. heydeni* (Reitter, 1881)
- terminal antennomere long (Fig. 5), pronotum with unicolorous, long, grey pubescence..... *A. kadeji* Háva, 2012

**Etymology.** Named after the country Yemen, where the species was discovered.



Figs. 1-3. - *Attagenus yemensis* sp. nov.:  
1. - Habitus. 2. - Antenna of male. 3. - Male genitalia.

Fig. 4. - *A. heydeni* (Reitter, 1881), antenna of male.

Fig. 5. - *A. kadeji* Háva, 2012, antenna of male.

(All photos by A. Herrmann).

List of Dermestidae known from the Arabian Peninsula

	Kuwait	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
			Continental Yemen	Socotra 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			*			*	

	Kuwait	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
			Continental Yemen	Socotra Island			
<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> Háva, 2012			*				
<i>Attagenus heydeni</i> (Reitter, 1881)		*					
<i>Attagenus kadeji</i> Háva, 2012			*				
<i>Attagenus kadleci</i> Háva, 2012			*				
<i>Attagenus lobatus</i> Rosenhauer, 1856		*				*	
<i>Attagenus lynx</i> (Mulsant & Rey, 1868)		*					*
<i>Attagenus maseki</i> Háva, 2013			*				
<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 yemensis</i> sp. nov.			*				
<i>Attagenus vanharteni</i> Háva, 2009			*			*	
<b>Subfamily Megatominae</b>							
<b>Tribe Megatomini</b>							
<i>Globicornis (Globicornis) boswelliae</i> Háva, 2013				*			
<i>Globicornis (Socotracornis) fallax</i> Háva, 2013				*			
<i>Orphinus (Orphinus) kabateki</i> Háva, 2007				*			
<i>Orphinus (Orphinus) socotrensis</i> Háva, 2007				*			
<i>Phradonoma hirsutululum</i> (Reiche in Mulsant & Rey, 1868)		*	*	*		*	
<i>Phradonoma nobile</i> (Reitter, 1881)		*	*			*	*
<i>Phradonoma oculatum</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		*					

	Kuwait	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
			Continental Yemen	Socotra Island			
<b>Tribe Anthrenini</b>							
<b>Subtribe Anthrenina</b>							
<i>Anthrenus (Anthrenus) ardoi</i> Kadej & Háva, 2011					*		
<i>Anthrenus (Anthrenus) crustaceus</i> Reitter, 1881		*	*				
<i>Anthrenus (Anthrenus) flavipes flavipes</i> LeConte, 1854	*	*	*		*	*	*
<i>Anthrenus (Anthrenus) picturatus arabicus</i> Háva & Herrmann, 2006			*				
<i>Anthrenus (Anthrenus) rauterbergeri</i> Reitter, 1908		*					
<i>Anthrenus (Anthrenus) safad</i> Háva, 2013						*	
<i>Anthrenus (Anthrenodes) pulchellus</i> Gestro, 1889		*	*				
<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 & Herrmann, 2006			*		*		
<i>Anthrenus (Anthrenops) coloratus</i> Reitter, 1881		*	*			*	*
<i>Anthrenus (Anthrenops) geisthardti</i> Háva & 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					*		
<b>Total</b>	<b>5</b>	<b>33</b>	<b>27</b>	<b>9</b>	<b>17</b>	<b>19</b>	<b>12</b>

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