

CONTRIBUTION TO THE KNOWLEDGE OF THE DERMESTIDAE (COLEOPTERA) OF THE ARABIAN PENINSULA. PART 3 - DESCRIPTION OF *ATTAGENUS KADEJI* SPECIES NOVA FROM YEMEN

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Abstract: A new species, *Attagenus kadeji* sp. n., from Yemen, is described, illustrated and compared with similar species. The new species belongs to the subfamily Attageninae, tribe Attagenini, and differs from all known species by the coloration and setation of its dorsal surfaces and the structure of the antennae and male genitalia.

Key words: Coleoptera, Dermestidae, *Attagenus*, taxonomy, new species, Yemen.

Aportación al conocimiento de los Dermestidae (Coleoptera) de la Península Arábiga. Parte 3 - Descripción de *Attagenus kadeji* sp. n. de Yemen

Resumen: Se describe la nueva especie *Attagenus kadeji* sp. n., procedente de Yemen, se ilustra y se compara con especies similares. La especie nueva pertenece a la subfamilia Attageninae, tribu Attagenini, y se diferencia de todas las especies conocidas por la coloración y setación de sus superficies dorsales y la estructura de las antenas y los órganos genitales masculinos.

Palabras clave: Coleoptera, Dermestidae, *Attagenus*, taxonomía, especie nueva, Yemen.

Taxonomy/Taxonomía: *Attagenus kadeji* sp. n.

Introduction

At present the Dermestidae contains 1420 species and subspecies worldwide; 51 of them known from Arabian peninsula (Háva, 2003, 2007a,b, 2009, 2010, 2011, 2012; Zhantiev, 2005). The present study is based on dermestid material deposited in collections specified below. The present article follows my 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.

Collections:

AHEC: Private collection of Andreas Herrmann, Stade, Germany;

JHAC: author's collection;

MK: Collection of Marcin Kadej, Department of Evolutionary Biology and Ecology, Division of Invertebrates Biology, Evolution and Conservation collection, University of Wrocław, Poland.

Description

Attagenus kadeji sp. nov.

Fig. 1-3.

TYPE MATERIAL. Holotype (♂) "Jemen [Yemen], S-Jemen, Al Kawd, Lichtfalle, ix.2003, v. Harten", (AHEC). Paratypes (33 ♂♂): the same locality as holotype but data: ix.2003, ii.2003, vii-ix.2001, x-xi.2000, vi-viii.2000, xii.1999 (28

AHEC, 4 JHAC, 1 MK). Type specimens were labelled with red, printed labels bearing the text as follows: "HOLOTYPE [or PARATYPE, respectively] *Attagenus kadeji* sp. n. J. Háva det. 2012".

DESCRIPTION. Male. Body (Fig. 1) measurements (mm): TL 2.62-2.82 EW 1.23-1.43; cuticle brown on dorsal surfaces, and brown on ventral surfaces; generally large and elongate. Head finely punctate with long grey 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, grey pubescence, discally without distinct spots. Scutellum triangular finely punctate as pronotum, with long grey pubescence. Elytra finely punctate; cuticle brown, covered by grey pubescence, with three transverse fasciae covered by brown pubescence (Fig. 1). Elytral fasciae are variable in their breadth. Prosternal process narrow and long, covered by long grey pubescence. Mesosternum and metasternum with long grey pubescence. Abdominal sternites with long grey pubescence. Legs brown with grey pubescence; tibiae with short, brown thorns. Male genitalia (Fig. 3).

Female unknown.

DIFFERENTIAL DIAGNOSIS. The new species looks very similar to *Attagenus lynx* (Mulsant & Rey, 1868), *A. vanharteni* HÁVA, 2009 and *A. beali* Zhantiev, 2005, but differs from them by the form of antennae and male genitalia and colour patterns on elytrae.

DISTRIBUTION. Yemen.

ETYMOLOGY. Patronymic, species named according to my friend and colleague Marcin Kadej (Wrocław, Poland).

Table I. Species of Dermestidae known from the Arabian peninsula

Taxa	Saudi Arabia	Yemen		Oman	United Arab Emirates	Qatar
		Arabian Peninsula	Soqatra 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						
<i>Mariouta stangei</i> Reitter, 1910	•	–	–	•	–	–
<i>Rhopalosilpha wasmanni</i> Arrow, 1929	•	–	–	•	–	–
Subfamily Thorictinae						
Tribe Thorictini						
<i>Thorictus arabicus</i> Háva, 2010	•	–	–	–	–	–
<i>Thorictus peyerimhoffi</i> Chobaut, 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> Zhanatiev, 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> sp. nov.	–	•	–	–	–	–
<i>Attagenus lobatus</i> Rosenhauer, 1856	•	–	–	–	•	–
<i>Attagenus lynx</i> (Mulsant et Rey, 1868)	•	–	–	–	–	•
<i>Attagenus omanicus</i> Zhanatiev, 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	–	–	–	–	•	–
Subfamily Megatominae						
Tribe Megatomini						
<i>Orphinus kabateki</i> Háva, 2007	–	–	•	–	–	–
<i>Orphinus socotrensis</i> Háva, 2007	–	–	•	–	–	–
<i>Phradonoma hirsutulium</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	–	•	–	–	–	–
<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	–	•	–	•	–	–
Subtribe Dermeanthrenina						
<i>Dermeanthrenus pretiosus</i> Háva, 2008	–	–	–	•	–	–

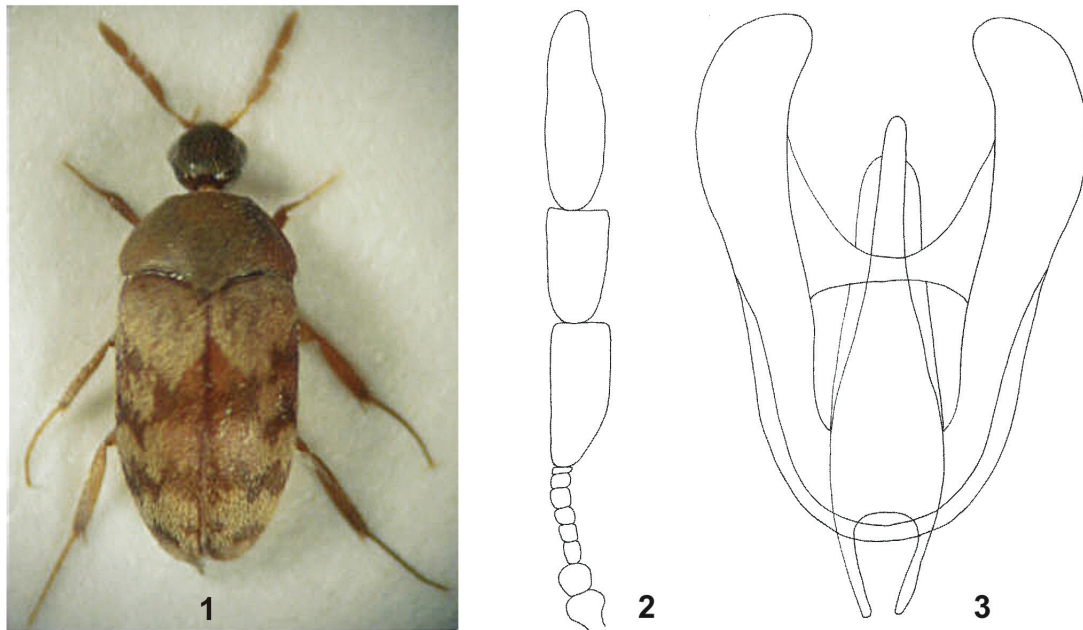


Fig. 1-3. *Attagenus kadeji* sp. nov. (paratype): **1:** habitus; **2:** antenna of male; **3:** male genitalia.

Acknowledgements

I am very grateful to A. Herrmann (Stade, Germany) for providing me the interesting material and photos of the new species. This research was partly supported by the grant of the Ministry of Agriculture of the Czech Republic No. QH91097.

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