

New faunistic data and remarks on some species of Dermestidae (Coleoptera)

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Following new faunistic records are provided: *Anthrenus (Anthrenus) delicatus* Kiesenwetter, 1851; *A. (A.) picturatus picturatus* Solsky, 1876; *A. (Helocerus) fuscus* Olivier, 1789; *Attagenus orientalis* Reitter in Schneider et Leder, 1878; *Dermestes (Dermestes) leechi* Kalík, 1952; *Globicornis (Pseudomesalia) quadriguttatus* (Reitter, 1878) (all from Azerbaijan); *Attagenus bitaeniatus* (Steinheil, 1869) (Chile); *A. endroedyi* Háva, 2003 (Cameroon); *A. quadrinotatus* Pic, 1938 (China: Guizhou); *Thorictodes heydeni* Reitter, 1875 (Lebanon); *Thorictus hilfi* John, 1965 (Greece); *T. wollastoni* John, 1963 (Canary Isl.). Species *Trogoderma rufonotatum* Pic, 1942 from Peru and *Attagenus quadrinotatus* Pic, 1938 from China are discussed. Lectotype of *Attagenus quadrinotatus* Pic, 1938 is designated herein.

Key words: Coleoptera, Dermestidae, taxonomy, faunistics, lectotype designation.

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INTRODUCTION

New faunistic records for 13 species of the family Dermestidae (Coleoptera) are presented herein and the catalogs of Háva (2007, 2008) are updated. Two species from China and Peru are discussed.

The following collections abbreviations are used:
AHEC private coll. Andreas Herrmann, Stade, Germany;
JHAC author's collection;
KOPC private coll. Kamil Orszulik, Frýdek-Místek, Czech Republic;
MNHN Muséum National d'Histoire Naturelle, Paris, France;
NMPC National Museum, Department of Entomology, Prague, Czech Republic;

SMNS Staatliches Museum für Naturkunde, Stuttgart, Germany.

Subfamily Dermestinae
Tribe Dermestini

Dermestes (Dermestes) leechi Kalík, 1952

Material examined. Azerbaijan or., Sanqacal. Baku env., 16.v.2007, Orszulik lgt., 1 female, J. Háva det. (JHAC).

Distribution. Known from Afghanistan, Egypt, England (introduced), India, Iran, Mali, Morocco, Nepal, Pakistan, Russia: SW Siberia, Scotland (introduced), Spain, Sudan, Tadjikistan, Tunisia, Turkmenistan, Uzbekistan, new to Azerbaijan.

Subfamily Attageninae**Tribe Attagenini*****Attagenus bitaeniatus* (Steinheil, 1869)**

Material examined. Chile: Santiago, Quebrada de Macul, 20.-30. October 2004, V. Manuel Diéguez leg., 1 spec., A. Herrmann det., J. Háva revid. (AHEC).

Distribution. So far known from Argentina, Brazil, Bolivia, and Paraguay, new to Chile.

***Attagenus endroedyi* Háva, 2003**

Material examined. Cameroon, North-West prov., E env. of Big Babanki, 1200 m, 06°06.698'N 10°15.938'E, 5-13.iii.2008, J. Horák lgt., 11 spec., J. Háva det. (JHAC).

Remarks. According to its collector, this species was collected on flowering Mango.

Distribution. Known from Burkina Faso, Congo, Ghana, Togo, new to Cameroon.

***Attagenus orientalis* Reitter in Schneider et Leder, 1878**

Material examined. Azerbaijan, Baku, 14.v.2007, Orszulik lgt., 1 spec., J. Háva det. (KOPC); Azerbaijan or., Sixlar, Qobustan env., 20.v.2007, Orszulik lgt., 17 spec., J. Háva det. (13 KOPC, 4 JHAC).

Distribution. Known from „Caucasus“, Iran, Iraq, Lebanon, Syria, Tunisia and Turkey, new to Azerbaijan.

***Attagenus quadrinotatus* Pic, 1938**

(Fig. 1)

Attagenus quadrinotatus Pic, 1938: 10.

Attagenus quadrinotatus: Mroczkowski, 1968: 90 (catalogued).

Attagenus pellio (sic!): Liu & Zhang, 1986: 86.

Attagenus quadrinotatus: Hua, 2002: 100 (checklist).

Attagenus quadrinotatus: Háva, 2003: 67 (catalogued).

Type material. 1 female: „Yunnan (Ehine)“ [handwritten label] \ „Type“ [small handwritten label] \ „4 notatus n sp.“ [handwritten label], (MNHN). 1 Syntype: „Yunnan fou“ [handwritten label] \ „Attagenus quadrinotatus Pic“ [handwritten label], (SMNS).

Other material studied. „Yunnan fou“, 1 female, V. Kalík det. 1948, J. Háva revid., (SMNS); „China, Guizhou, env. Kaili-Leishan, Miao mts., 1200 m, 16-19.vi.2000, S. Murzin leg.“, 1 female, J. Háva det., (JHAC).

Remarks. The two originally stated females specimens (Type and Syntype) belong to two different species. The female specimen (after cleaning) (type) from MNHN belongs to *Attagenus pellio* (Linnaeus, 1758), while the second specimen (Syntype) from SMNS (ex coll. Pic; ex coll. Kalík) is a female specimen that agrees with the original description of *A. quadrinotatus*. The specimen from SMNS is here designated as Lectotype [red label: Lectotype, *Attagenus quadrinotatus*, Pic, 1938, Jiří Háva design. 2006]. The lectotype is designated in order to stabilize the nomenclature of this genus according to Article 74.7.3. of the Code (ICZN 1999). Liu & Zhang (1986) erroneously re-described this species in chinese language and illustrated habitus and antennae of both sexes of this species as *A. pellio*.

Differential diagnosis. The species *A. quadrinotatus* Pic, 1938 is very similar to *A. pellio* (Linnaeus, 1758) and *A. silvaticus* Zhantiev, 1976 but differs from them by the following characters:

Elytral spots;
Pronotal pubescence;
Abdominal pubescence.

A. quadrinotatus Each elytron with two distinct yellow spots (one near elytral humerus, one medially); Lateral parts with yellow pubescence, median part of disk with black pubescence; Yellow.



Fig. 1. Dorsal aspect of *Anthrenus quadrinotatus* Pic, 1938 (orig. A. Herrmann)

A. pello Each elytron with three distinct white small spots (one reaching elytral epipleuron, one near humerus and one medially); spot near epipleuron varies from small to large (sometimes can be even absent); Pronotum with black pubescence and three small spots with white pubescence (one near scutellum, two in posterior angles); Yellow

A. silvaticus Each elytron with one distinct small white or grey spot medially; Pronotum unicolor, with dark-brown or black pubescence; Black

Distribution. Described from China: Yunnan (Mroczkowski, 1968, Hua, 2002, Háva, 2003), new for Guizhou.

Subfamily Megatominae
Tribe Anthrenini

***Anthrenus (Anthrenus) delicatus* Kiesenwetter, 1851**

Material examined. Azerbaijan bor. or., Besh barmak, Zorat, Sivezen env., 30.v.2007, Orsulik lgt., 1 female, J. Háva det. (KOPC).

Distribution. Known from Albania, Algeria, Andorra, Armenia, Bosnia and Herzegovina, Bulgaria, „Caucasus“, Crete, Croatia, Cyprus, Egypt, France, Greece, Iran, Israel, Italy, Jordania, Macedonia, Montenegro, Morocco, Portugal, Romania, Serbia, Spain, Syria, Tunisia and Turkey, new to Azerbaijan.

***Anthrenus (Anthrenus) picturatus picturatus* Solsky, 1876**

Material examined. Azerbaijan bor. or., Caucasus or., Xaltan asr., 1650 m, 3.vi.2007, Orsulik lgt., 1 spec., J. Háva det. (KOPC).

Distribution. Known from Afghanistan, „Caucasus“, Georgia, Poland, Slovakia, Iran, Kyrgyzstan, Kazakhstan, South Africa: Pretoria (introduced), Tadjikistan, Turkey, Turkmenistan, Uzbekistan, new to Azerbaijan.

***Anthrenus (Helocerus) fuscus* Olivier, 1789**

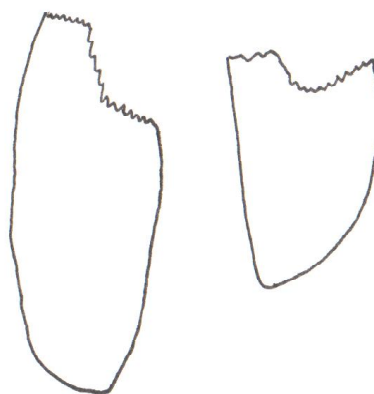


Fig. 2. Elytral fragments of *Trogoderma rufonotatum* Pic, 1942.

Material examined. Azerbaijan mer., Bileser, Avrora env., Herkan forest, 26.v.2007, Orszulik lgt., 1 male, J. Háva det. (KOPC).

Distribution. Known from Europe, Canada, Japan: Bonin Is., Morocco, St. Helena Is. (introduced), USA, new to Azerbaijan.

Tribe Megatomini

***Globicornis (Pseudomesalia) quadriguttatus* (Reitter, 1878)**

Material examined. Azerbaijan or., Sanqacal. Baku env., 16.v.2007, Orszulik lgt., 1 male, 2 females, J. Háva det. (2 KOPC, 1 JHAC).

Distribution. Known from Afghanistan, Armenia, „Caucasus“, Iran, Iraq, Kazakhstan, Syria, Tadjikistan, Turkey, Turkmenistan, Uzbekistan, new to Azerbaijan.

***Trogoderma rufonotatum* Pic, 1942**
(Fig. 2)

Trogoderma rufonotatum Pic, 1942: 6.

Trogoderma rufonotatum Pic, 1943: 12 (homonym).

Trogoderma rufonotatum: Háva, 2006: 36.

Type material. 1, „Perou“ [small, handwritten label] / „Trogoderma rufonotatum n sp“ [handwritten label]. Holotype is very destroyed, probably female (only abdominal tergites, left elytron and posterior half of right elytron remain); deposited in MNHN.

Original description. „Oblongus, nitidus, sparse griseo pubescens et semi-hirsutus, sat minute et sparse punctatus, niger, elytris rufis, in disco et antice nigro notatis, membris rufis. L. 2,3 m. Pérou. - Caractérisé par sa particulière coloration élytrale.“

Remarks. Elytra light brown, with very short yellow, decumbed pubescence, without black patterns (!) (Fig. 2). Abdominal tergites dark brown. Black spots that Pic mentions in the original description could have been possibly

caused by hind wings folded under translucent elytra. The destroyed specimen is very similar to the cosmopolitan species *T. granarium* Everts, 1898 (known also from Peru as introduced species), but correct identification of the destroyed holotype is very problematic. Further study based on the more material is certainly required for resolving this question.

Distribution. Known only from Peru.

Subfamily Thorictinae
Tribe Thaumaphrastini

***Thorictodes heydeni* Reitter, 1875**

Material examined. “Syria, Beirut [Lebanon]”, “coll. Kouřil P5/46/62”, 1 spec., J. Háva det. (NMPC).

Distribution. Cosmopolitan species, new to Lebanon.

Subfamily Thorictinae
Tribe Thorictini

***Thorictus hilfi* John, 1965**

Material examined. Greece: “Zante”, “Collectio Dr. Obenberger, Mus. Pragense”, 6 spec., J. Háva det. (4 NMPC, 2 JHAC); “Zante 1909, Vasilikos, legit. M. Hilf, coll. O. Leonhard”, 2 spec., J. Háva det. (NMPC); “Zante 1909, Umgeb.d.Stadt, legit. M. Hilf, coll. O. Leonhard”, 2 spec., J. Háva det. (NMPC).

Distribution. This species is known only from Greece: Zakynthos Island, new localities from Zakynthos.

***Thorictus wollastoni* John, 1963**

Material examined. “Tenerife, Mt. Aguirre [Canary Isl.]”, 1 spec., J. Háva det. (NMPC).

Distribution. Known from Canary Islands: Gran Canaria; new to Tenerife.

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