

**Review of Dermestidae (Coleoptera: Bostrichiformia)  
deposited in the Museo Civico di Scienze Naturali Trieste**

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**Taxonomy, faunistics, new species, new synonym, new status, new records, Coleoptera, Dermestidae, World**

**Abstract.** The present article summarizes 93 species belonging to the family Dermestidae (Coleoptera: Bostrichiformia) deposited in Museo Civico di Scienze Naturali Trieste. A new species *Phradonoma zavattarii* sp. nov. from Ethiopia is described, illustrated and compared with similar species. A new synonym is proposed for the species *Attagenus rossii* Ganglbauer, 1904 (= *Attagenus bifasciatus* var. *decoloratus* Mulsant et Rey, 1868 syn. nov.). The species *Thaumaglossa postlimbata* (Pic, 1948) stat. nov. is newly stated as an independent species. The following species are newly recorded: *Attagenus aristidis* (Pic, 1894); *Attagenus brunneonotatus* (Pic, 1894); *Attagenus tessellatus* (Reitter, 1887); *Anthrenus (Anthrenodes) umbellatarum* Chobaut, 1898; *Anthrenus (Anthrenus) simonis* Reitter, 1881 and *Anthrenus (Anthrenus) x-signum* Reitter, 1881 (all from Libya); *Attagenus ornatus* Háva, 2007 (Eritrea) and *Attagenus posticalis* Fairmaire, 1879 (Ethiopia, Eritrea).

## INTRODUCTION

The family Dermestidae (Coleoptera) currently contains about 1500 valid species worldwide (Háva 2015). The present article summarizes 93 species belonging to the family Dermestidae (Coleoptera: Bostrichiformia) deposited in Museo Civico di Scienze Naturali Trieste (Italy).

## MATERIAL AND METHODS

Species are listed in alphabetical order and the nomenclature and zoogeography follow Háva (2007, 2015). All specimens were determined or revised by author. Locality labels are cited in the original version. Remarks of the author are found in brackets [ ].

The following abbreviations refer to the collections where the examined material is deposited:

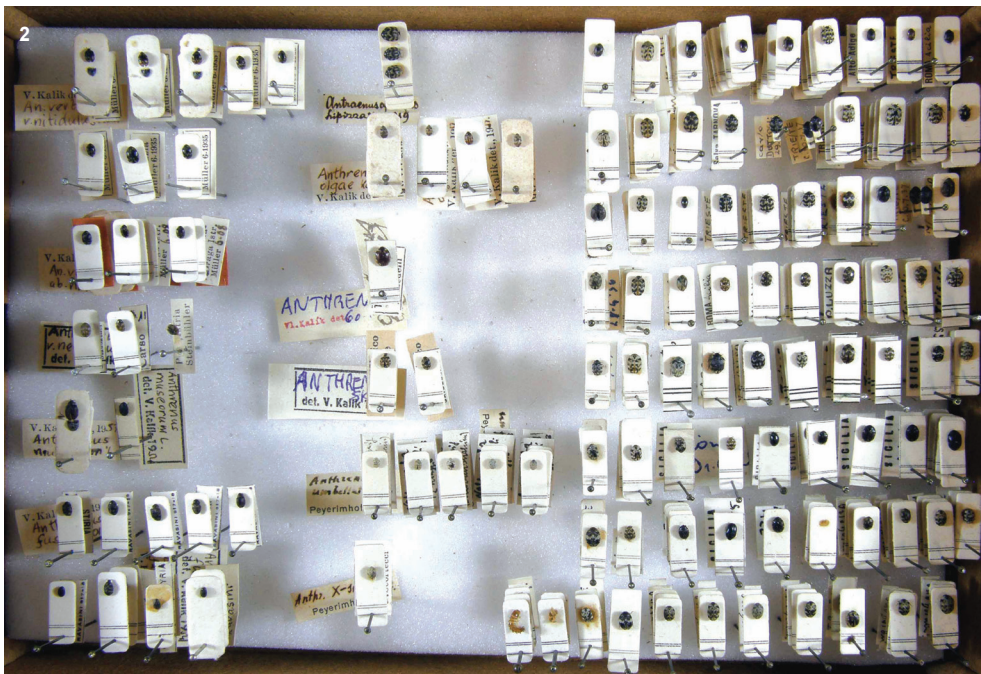
JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic;

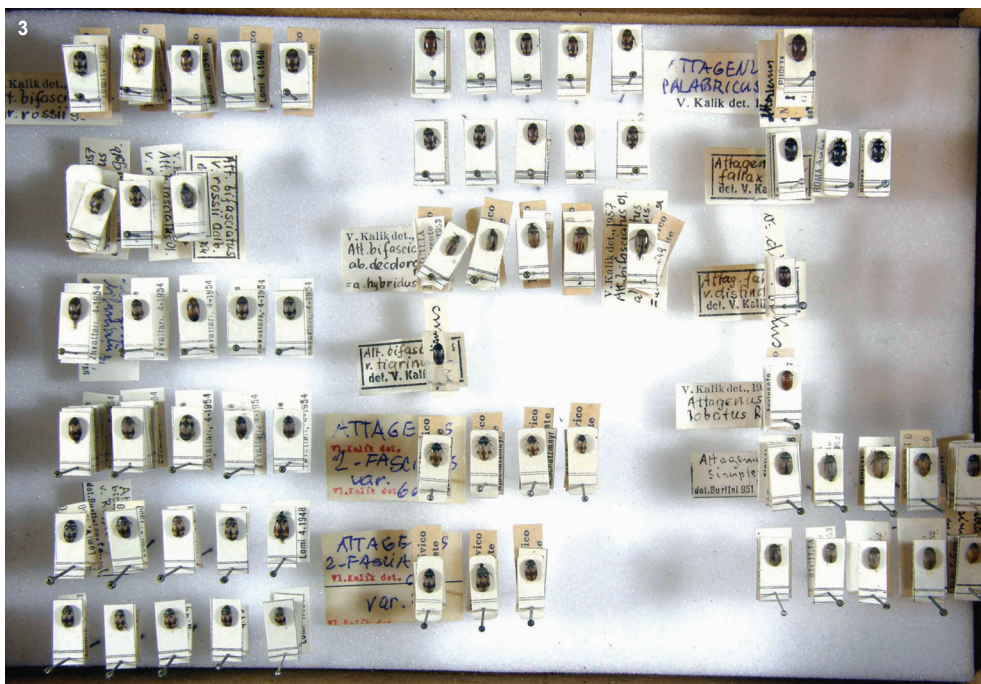
JMUL separate collection of J. Müller, in MSNT;

MSNT Museo Civico di Scienze Naturali, Trieste, Italy (Andrea Colla).

The following abbreviations of measurements were used:

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





Figs. 1-3. Part of Dermestidae from collection MSNT before revision: 1- *Dermestes* spp.; 2- *Anthrenus* spp.; 3- *Attagenus* spp.

## DESCRIPTION

### Subfamily Megatomini Tribe Megatomini

#### *Phradonoma zavattarii* sp. nov. (Figs. 4-6)

**Type material.** Holotype (♂): Ethiopia: „El Dire, 22.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „*Phradonoma nobile* (probablement) M. Pic det.“ / „*Phradonoma* sp. V. Kalik det. 1960“, (MSNT). Paratypes: (1 ♀): „El Banno, 30.4.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, (MSNT); (1 ♀): „El Dire, 21.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, (JHAC). The type specimens was labelled by a red printed label bearing the text as follows: “HOLOTYPE (or PARATYPE respectively) *Phradonoma zavattarii* sp. nov. Jiří Háva det. 2015“.

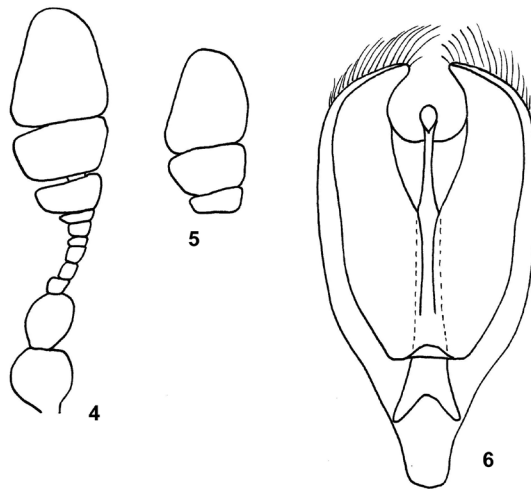
**Description.** Male. Body measurements (mm): TL 2.6, EW 1.7. Body oval, shiny, dorsally black and light brown, ventrally black. Head coarsely punctate with suberect brown setation, maxillary palpi brown, eyes large with microsetae. Antennae light brown, with 11 antennomeres, antennal club dark brown with 3 antennomeres (Fig. 4). Antennal fossa broad and finely punctate. Median ocellus on front present. Pronotum black, shiny, finely punctate with suberect brown setation discally, white laterally and a white spot near scutellum, lateral

margins not visible from above. Scutellum black, shiny, triangular without short brown setation. Elytra black, shiny, with light brown posterior 1/3, covered by brown setation. On each elytron intermixed in brown setation small patches with white setation; humeri with one large bump, anterior part of elytron densely foveolate, rest finely punctate. Pro- and metaventrum with short decumbent white setation. Legs brown, anterior tibia with black spines along shaft. Abdominal visible ventrites coarsely punctate with short decumbent light brown setation. Male genitalia (Fig. 6).

Female similar externally to male, but different by the structure of antennomeres forming antennal club; the antennomeres is small (Fig. 5).

**Variability.** Paratypes body measurements (mm): TL 2.8-3.0, EW 1.8-1.9.

**Differential diagnosis.** The new species belongs to the „*Phradonoma nobile* species group“,



Figs. 4-6. *Phradonoma zavattarii* sp. nov.: 4- antenna of male; 5- antennal club of female; 6- aedeagus.

is externally very similar to *Phradonoma blabolili* Háva et al. 2013, but differs from it by the structure of antennae and male genitalia; from *P. nobile* (Reitter, 1881) new species it differs by the long oval body form and structure of antennae and male genitalia, from *P. babaulti* (Pic, 1921) new species it differs by the oval body form and structure of antennae and male genitalia.

**Etymology.** Patronymy, dedicated to Italian biologist and entomologist Prof. Edoardo Zavattari (1883-1972).

**Distribution.** A species known only from Ethiopia (Map. 1).



Map. 1. Distribution of *Phradonoma zavattarii* sp. nov.

## FAUNISTICS AND NOMENCLATURE

### Subfamily Attageninae Tribe Attagenini

#### *Attagenus aeneus* Roth, 1851

**Material examined:** „[Ethiopia] Aethiopia, Sciré, G.Brasavola leg.“ / „Attagenus aeneus Roth“ [hand written M. Pic det.] / Attagenus spec ? near aeneus Roth, det. E. Gridelli 1933” / “Attagenus aeneus, V. Kalík det.1960”, 4 ♂♂, (MSNT).

#### *Attagenus africanus* Mroczkowski, 1958

*Attagenus diversepubescens* Pic, 1953: 112 (homonymum); Kalík, 1955: 303; Mroczkowski, 1958: 558.

**Type material.** Holotype (♀): „SPE Brunelli, Galia Sidamo, leg. Vatova“ / „L. Margherita, Duba, 21-22.1.1938“ / Attagenus diversepubescens n sp“ / „désiré“ / „Attagenus diversepubescens Pic Atti XIX“ / „TYPUS“, (MSNT).

**Other material examined:** „[Ethiopia] Caschei, 16.7.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „Attagenus nigroapicalis Pic var.“ [handwritten, Pic det.], 1 ♀, (MSNT).

**Distribution.** Pic (1953) described the species according to the holotype specimen. Species known from Ethiopia, Nigeria and Congo (Háva 2015).

### *Attagenus aristidis* (Pic, 1894)

**Material examined:** „[Libya] Miss. Zool.a Cufra, Gialo, iv.1931“ / „Telopes uniformis, det. Gridelli“, 2 ♀♀, (MSNT).

**Distribution.** A species known from Algeria, Egypt, Morocco, Iran, Qatar and Saudi Arabia (Háva 2007, 2015), new to Lybia.

### *Attagenus atripennis* Pic, 1931

**Material examined:** „[Ethiopia] Miss. E. Zavattari, nei Borana A.O.I.“ / „Neghelli, Aprile 1937“ / „Attagenus aeneus Roth var.“ [hand written det. M. Pic] / „Attagenus spec. near aeneus Roth, det. E. Gridelli 1938“ / „Attagenus iganeus n. sp., det. E. Gridelli 1938“ / „Attagenus sp. n., V. Kalík det.1960“, 8 spec., (7 MSNT, 1 JHAC); „[Ethiopia] Arero, Aprile 1937“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 1 spec., (MSNT); „[Ethiopia] Javello, 15-30.4.[19]37“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 6 spec., (MSNT); „[Ethiopia] Neghelli, Marzo [or Aprile] 1937“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 17 spec., (13 MSNT, 4 JHAC).

**Remarks.** In 1938, E. Gridell determined 8 specimens as *Attagenus iganeus* n. sp. but the species is undescribed. V. Kalík determined the same 8 specimens as „sp. n.“. All morphological characters are identical with *A. atripennis* Pic, 1931, but the pronotal pubescence is more yellow.

### *Attagenus attenuatus* (Pic, 1894)

**Material examined:** „[Libya] Cirenaica mer., Hormuedaduenat, 23.iv.1933, Caporiacco“ / „Attagenus affín. á Heydeni Rtt., Peyerimhoff det.“, 1 spec., (MSNT).

### *Attagenus basimaculatus* Pic, 1952

(Fig. 7)

*Attagenus basimaculatus* Pic, 1952: 30.

**Type material.** Holotype (♂): „[Ethiopia] Gondaraba, Lago Stefania, 27.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „, Typus“ / *Attagenus basimaculatus* nsp“, (MSNT).

**Remarks.** According to original Pic's description the species is described based on three specimens, two specimens deposited in (MSNT) and one in collection of M. Pic deposited in Museum Paris. The specimen in Paris museum (Háva revid.) belong to *A. basimaculatus*, one specimen (holotype) deposited in (MSNT) is the same species but one specimen (female) deposited in (MSNT) belong to other unknown species. The habitus and male antenna are illustrated (Fig. 7).

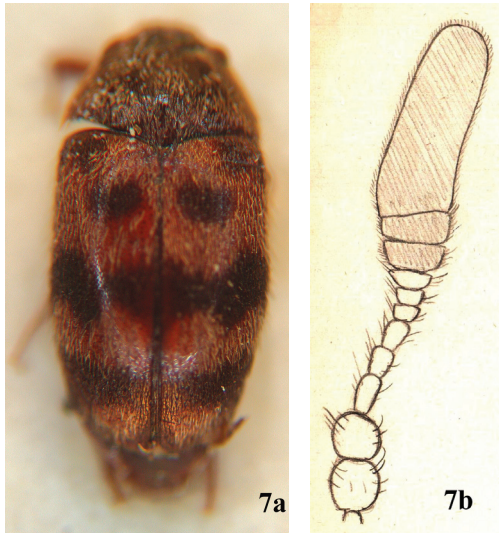


Fig. 7. *Attagenus basimaculatus* Pic: a- habitus dorsal aspect, b- antenna of male.

### *Attagenus bifasciatus* (Olivier, 1790)

**Material examined:** „[Greece] Cicladi, Syra, A. Schatzmayr“, 4 spec., (MSNT); „[Greece] Rhodos, Dodekan., Wohlb. 5.38.“, 2 spec., (MSNT); „Dalmazia, Is. Grossa, 2.5.1926“ / „*Attagenus bifasciatus* det. J. Müller 1946“, 2 spec., (JMUL); „[Croatia] Umg. Zara, Müller“ / „*Att. fallax* v. *distinctus*“ / „*bifasciatus* sbsp. Nova det. J. Müller“, 4 spec., (JMUL); „[Croatia] Spalato D. Karaman“ / „*Attagenus bifasciatus*“ / „*Attagenus bifasciatus* Oliv. var. Det. V. Kalík 1954“, 5 spec., (JMUL).

### *Attagenus brunneonotatus* (Pic, 1894)

**Material examined:** „[Libya] Miss. Zool.a Cufra, Gialo, v.1931“ / „*Telopes* spec. Det. Gridelli“ / „*Attagenus brunneonotatus*, V. Kalík det.1960“, 6 spec., (5 MSNT, 1 JHAC); „[Libya] Cirenaica mer., Anenat, 17.28.iv., Caporiacco 1933, Wadi el Maharig“ / „*Att. lynx* Muls., Peyerimhoff det.“, 5 spec., (MSNT).

**Distribution.** A species known from Tunisia and Algeria (Háva 2007, 2015), new to Libya.

### *Attagenus brunneus* Faldermann, 1835

**Material examined:** „[Italy] Trieste“ / „*Attagenus longicornis*, V. Kalík det.1957“, 26 spec., (JMUL, MSNT); „[Italy] Trieste, vi.1950, Drioli“, 1 ♀, (MSNT); „[Croatia] Fiume“ / „*Attagenus* sp. nr. 11 det. V. Kalík 1954“, 1 ♂, (JMUL).

### *Attagenus calabricus* Reitter, 1881

**Material examined:** „[Italy] Puglia, S Barilio, Gridelli 3.1948“ / „*Attagenus* cf *bifasciatus*, det. Gridelli 1949“ / „*Attagenus calabricus* Rt. ?, V. Kalík det. 1960“, 1 spec., (MSNT); „[Italy] Calabria, Aspromonte, dott. Badudieri“ / „*Attagenus* sp. ? V. Kalík det. 1960“, 1 spec., (MSNT).

***Attagenus civetta* (Mulsant et Rey, 1868)**

**Material examined:** „Tunis, Mai, Dr. Graeffe“, 4 spec., (MSNT); „Tunis, Mai., Dr. Graeffe“ / „Karthago“ / „Telopes civetta Muls.“, 6 spec., (5 JMUL, 1 JHAC).

***Attagenus dispar* (Redtenbacher, 1843)**

**Material examined:** „[Greece] Cicladi, Naxos, A.Schatzmayr“, 9 spec., (MSNT); „[Greece] Naxos, Schatzmayr“ / “Telopes obtusus”, 2 spec., (JMUL).

***Attagenus distinctus* Mulsant et Rey, 1868**

**Material examined:** „Algier“ / „Attagenus fallax v. distinctus M., V. Kalik det. 1954“, 2 spec., (JMUL, MSNT); „Africa, Biskra (Sahara), 30.4.1911, Stauder“, 1 spec., (MSNT).

***Attagenus fallax* Gené, 1839**

**Material examined:** „[Italy] Roma, Acilia, 12.vi. [19]42, O. Castellani“, 2 spec., (MSNT); „[Italy] Acquacetosa, 8.vi.[19]02“, 1 spec., (MSNT); „[Italy] Acquacetosa, 8.vi.[19]02“ / “Attagenus fallax (Kalik det)”, 1 spec., (JMUL).

***Attagenus fasciatus* (Thunberg, 1795)**

**Material examined:** „[Ethiopia] Murzuck (Fessan), viii.1931, E. Zavattari“ / „Attagenus cinnamomeus Roth, det. Gridelli“, 1 spec., (MSNT); „[Ethiopia] Murzuck, Fessan, 16.3.1933, E. Zavattari“ / „Attagenus gloriosae F, Peyerimhoff det.“, 3 spec., (MSNT); „Eritrea, Tessenei, Remedelli“ / „Attagenus cinnamomeus Roth. Det. F. Gridelli 1938“, 4 spec., (MSNT); „Somalia It., Belet Uen, Facca 2.1937“, 1 spec., (MSNT).

***Attagenus fasciolatus* (Solsky, 1876)**

**Material examined:** „[Kirgizstan] Tian schan, Aksu-Musart, coll. Winkler“ / “Attagenus fasciolatus Sol V. Kalik det.1954”, 2 spec., (MSNT).

***Attagenus insignatus* Pic, 1942**

**Material examined:** „[Ethiopia] Harrar, 12.[19]36“ / „Attagenus insignatus Pic“ [handwritten, Pic det.], 1 female, (MSNT).

***Attagenus latepubescens* Pic, 1952**

(Fig. 8)

*Attagenus latepubescens* Pic, 1952: 30.

**Type material.** Holotype (♀): „[Ethiopia] El Dire, 22.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „TYPUS“ / „v. de Donckieri Pic“ [handwritten, Pic det.] / “Attagenus (Telopes) latepubens mihi [handwritten, Pic det.], (MSNT).

**Remarks.** A species described by Pic (1952) according to the holotype specimen. The antenna is firstly illustrated here (Fig. 8).



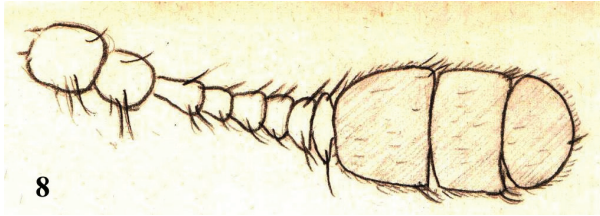


Fig. 8. Antenna of *Attagenus latepubescens* Pic (holotype).

***Attagenus lobatus* Rosenhauer, 1856**

**Material examined:** „[Italy] Agrigento, Sicilia, Lomi, 6.1947“, 1 spec., (MSNT).

***Attagenus obtusus* (Gyllenhal in Schönherr, 1808)**

**Material examined:** „Portugallo, Fare, A.Schatzmayr“, 16 spec., (MSNT).

***Attagenus ornatus* Háva, 2007**

**Material examined:** „Eritrea, Dongollo int., Müller, 4.12.[19]39“ / “*Attagenus asmaranus* Pic [handwritten, Pic det.], 1 spec., (MSNT).

**Distribution.** A species known from Yemen: Socotra Island (Háva, 2015), new to Eritrea.

***Attagenus pellio* (Linnaeus, 1758)**

**Material examined.** Total of 49 specimens from Europe, (JMUL, MSNT).

***Attagenus posticalis* Fairmaire, 1879**

**Material examined:** „[Eritrea] Mar Rosso, Is. Nocra, Rolli 1937“, *Attagenus postfasciatus* Pic [handwritten, Pic det.], 1 spec., (MSNT); „[Ethiopia] Gondaraba, Lago Stefania, 27.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „*Attagenus* (*Telopes*) *postfasciatus* Pic [handwritten, Pic det.], 1 spec., (MSNT); „[Ethiopia] Nargi, 11.8.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 1 spec., (MSNT); „[Ethiopia] Elolo, L Rodolfo, 307.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 1 spec., (MSNT).

**Distribution.** A species known from Spain, Algeria, Egypt, Mauretania, Morocco, Niger, Senegal, Sudan, Tunisia, Israel, Kuwait, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates and Yemen (Háva, 2015), new to Eritrea and Ethiopia.

***Attagenus quadrimaculatus* Kraatz, 1858**

**Material examined:** „[Greece] Rhodos, Dodekan. Wohlb.5.38“, 5 spec., (MSNT).

### *Attagenus rossii* Ganglbauer, 1904

*Attagenus bifasciatus* var. *decoloratus* Mulsant et Rey, 1868: 96 **syn. nov.**

**Material examined.** Total of 63 specimens from Sicilia and Lampedusa, (2 JMUL, MSNT).

**Remarks.** The other 20 specimens from Siciliadetermined by V. Kalík 1957 as *Attagenus bifasciatus* ab. *decoloratus* Muls. = ab. *hybridus* Ragusa. The specimens differs from typical *rossii* by the unicolorous setation on elytra. This is only colour variability, other morphological characters are identical with *Attagenus rossii* Ganglbauer, 1904. Its name *Attagenus rossii* Ganglbauer, 1904 should be fixed to support the stability of nomenclature according to ICZN (1999) paragraph 23.9.1.2. Thus, *Attagenus bifasciatus* var. *decoloratus* Mulsant et Rey, 1868 should be suppressed as a forgotten name and the valid name of the relevant Mediterranean species should be its oldest available synonym, *Attagenus rossii* Ganglbauer, 1904.

### *Attagenus seminiger* Fairmaire, 1863

**Material examined:** „[Egypt] Cairo, Maadi, vi.1945“ / „Attagenus seminiger Frm. Peyerymhoff det“, 1 spec., (MSNT).

### *Attagenus similis* Mulsant et Rey, 1868

**Material examined:** „[Libya] Uadi, Belgadir, 25 Aprile“ / „Cirenaica, Cirene, Gridelli, 1935“ / „Attagenus brunneonotatus ?, V. Kalík det.1960“, 8 spec., (7 MSNT, 1 JHAC); „[Libya] Cyrenaica, R.U. Agrario, Cirene, Geo C.Krüger“ / „Telopes Fairm, posticalis det. Krüger“, 1 spec., (MSNT).

### *Attagenus simplex* Reitter, 1881

**Material examined:** „[Italy] Valle Inferno, 15.iv. [19]06“ / „Attagenus simplex Rtt. Det. Gridelli“ / „Attagenus simplex Rtt. Det. Burlini 1951“, 1 spec., (MSNT); „[Italy] Roma, Tem. Oecchia, 25.4.[19]57“, 6 spec., (MSNT); “[Italy], Valle Inferno” / “Attag. Simplex Reitt. Det. Gridelli” / “Attagenus simplex Rt. Det. V. Kalík 1954”, 1 spec., (JMUL).

### *Attagenus tessellatus* (Reitter, 1887)

**Material examined:** „[Libya] Cyrenaica, R.U. Agrario, Bengasi, Geo C. Krüger“ / „Telopes antennatus v. tessellatus Rtt.,det. Gridelli“, 1 spec., (MSNT); „[Libya] Cirenaica, Bengasi, Gridelli.4.1935“ / „Berca Sotto Sassi“, 1 spec., (JHAC); „[Libya] Cirenaica, Soluch, Gridelli.4.935“ / „Du Fiori“, 11 spec., (10MSNT, 1 JHAC).

**Distribution.** A species known from Turkey, Egypt, Israel and Syria (Háva 2007, 2015), new to Libya.

### *Attagenus tigrinus* (Fabricius, 1792)

**Material examined:** „[Croatia] Dalmatien“ / „Att. bifasciatus v. tigrinus F., V. Kalík det. 1954“, 1 spec., (MSNT); „[Greece] Cicladi, Naxos, A. Schatzmayr“ / „Attagenus sp. n.?, V. Kalík det. 1960“, 2 spec., (MSNT).

### *Attagenus trifasciatus* (Fabricius, 1787)

**Material examined:** „[Portugal] Portogallo, Monchique, A. Schatzmayr“<sup>4</sup>, 1 spec., (MSNT); „[Spain] Terraube, H. Belliard“ / „Attagenus Trifasciatus F., Belliard, Collezione A.Tellini“<sup>4</sup>, 1 spec., (MSNT); „Portugal, Winkler“ / „Attagenus trifasciatus V. Kalík det. 1954“<sup>4</sup>, 1 spec., (JMUL).

### *Attagenus unicolor unicolor* (Brahm, 1790)

**Material examined.** Total of 97 specimens from Europe, (JMUL, MSNT).

### *Attagenus uniformis* Fairmaire, 1860

**Material examined:** „[Libya] Tripolit, Nalut.12.4. [19]39, G. L. Doria“ / „Att. Uniformis Frm., Peyerimhoff det.“<sup>4</sup>, 2 spec., (MSNT).

### *Attagenus zavattarii* Pic, 1952

(Fig. 9)

*Attagenus zavattarii* Pic, 1952: 29.

**Type material.** Holotype (female): „[Ethiopia] Asile, 27.6.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „voisin de submaculatus Pic“ [handwritten, Pic det.] / “Attagenus Zavattarii n sp” [handwritten, Pic det.], (MSNT).

**Remarks.** A species described by Pic (1952) according to the holotype specimen. The antenna is firstly illustrated here (Fig. 9).



Fig. 9. Antenna of *Attagenus zavattarii* Pic (holotype).

### *Attagenus* sp.

**Material examined:** „[Ethiopia] Caschei, 19.7.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „Typus“ / „Attagenus non basimaculatus Pic, J. Háva det. 2015“<sup>4</sup>, 1 ♀, (MSNT).

**Remarks.** See remarks on *Attagenus basimaculatus*. However, as diagnostic characters in *Attagenus* based in other on male genitalia, I refrain from describing this new species until the discovery of a male.

***Paranovelsis punctatus* (Scopoli, 1772)**

**Material examined:** „Germania“ / „punctat“ / „Attagenus punctatus Scop., V. Kalik det 1954“, 1 spec., (JMUL).

**Subfamily Dermestinae**

**Tribe Dermestini**

***Dermestes (Dermestinus) erichsoni* Ganglbauer, 1904**

**Material examined:** „[Italy] Trieste, Carso,Ravasini, iv.“ / „D. Erichsoni d. Müller“, 3 spec., (2 JMUL, 1 MSNT); „[Italy] Prosecco, 30.5.[19]26“, 3 spec., (MSNT).

***Dermestes (Dermestinus) frischii* Kugelann, 1792**

**Material examined.** Total of 169 spec. from Europe, Tunisia, Libya, Eritrea, (JMUL, MSNT).

***Dermestes (Dermestinus) gyllenhalii gyllenhalii* Laporte de Castelnau, 1840**

**Material examined:** „[Czech Republic] Mor.[Moravia] iv. [19]48, Bzenec, Krejčárek“ / „Dermestes atomarius Er., V. Kalik det.1951“, 1 spec., (MSNT); „Dermestes atomarius Er., 0.10.Belliard, Collezione A.Tellini“, 1 spec., (MSNT).

***Dermestes (Dermestinus) intermedius intermedius* Kalík, 1951**

**Material examined:** „[Croatia] Zemonico, Müller“ / „Dermestes mustelinus“, 2 spec., (JMUL); „[Croatia] Velebit, Müller“ / „Dermestes mustelinus“, 2 spec., (JMUL).

***Dermestes (Dermestinus) laniarius laniarius* Illiger, 1802**

**Material examined.** Total of 41 spec. from Europe, (JMUL, MSNT).

***Dermestes (Dermestinus) leopardinus* Mulsant et Godart, 1855**

**Material examined:** „Rossia“ / “Dermestes dimidiatus”, 1 spec., (JMUL).

***Dermestes (Dermestinus) maculatus* DeGeer, 1774**

**Material examined.** Total of 183 spec. from Italy, Brasilia, India, Croatia, Eritrea, Somalia, Ethiopia, (JMUL, MSNT).

***Dermestes (Dermestinus) murinus murinus* Linnaeus, 1758**

**Material examined:** „[Czech Republic] Boh. Or. Svojšice, leg. Rule, [19]47“ / „Dermestes murinus, V. Kalík det. 1951“, 1 spec., (MSNT); „[Czech Republic] Prag“ / „Krč“, 2 spec., (MSNT).

***Dermestes (Dermestinus) mustelinus* Erichson, 1846**

**Material examined:** „[Italy] Roma, Acilia, viii.[19]42, O. Castellani“, 4 spec., (MSNT); „[Portugal] Portogallo, Evora, A. Schatzmayr“, 1 spec., (MSNT); „Dint. Zara, Müller, 5.[18]88“, 1 spec., (MSNT).

***Dermestes (Dermestinus) sardous asiaticus* Háva, 2002**

**Material examined:** „[Israel] Tel Aviv, Palestine, 17.ii.1945, leg. Bytinski-Sals“, 3 spec., (2 MSNT, 1 JHAC); „[Israel] Palestina, Haifa, Möller, iii.[19]36“, 1 spec., (MSNT).

***Dermestes (Dermestinus) szekessyi* Kalík, 1950**

**Material examined:** „[Croatia] Kosore D., J. Müller“, 1 spec., (MSNT); „[Italy] Salvore, 21.7.[19]22, O. Chenda“, 1 spec., (MSNT).

***Dermestes (Dermestinus) undulatus* Brahm, 1790**

**Material examined.** Total of 98 spec. from Europe, (JMUL, MSNT).

***Dermestes (Dermestes) ater* DeGeer, 1774**

**Material examined:** „[Italy] Nevea 7. [19]30“, 1 spec., (MSNT); „Somalia Ital, Leg.Lomi 935“, 1 spec., (MSNT); „[Brazil] Bahia, Bras., Cap.Boehm“, 1 spec., (MSNT); „N. Guinea, Biro [18]96“ / „Friedrich-Wilh.-hafen“ / „Dermestes ater V. Kalík det.1954“, 1 spec., (MSNT); „Ethiopia Mer., Gota, Lomi, 8.1936“, 1 spec., (MSNT); „Somalia It., Chisimaio, Bidoli, 1936“, 6 spec., (MSNT); „Eritrea, Tessenei, Remedelli, 8.[19]35“, 8 spec., (MSNT); “[Eritrea], Massaua, Abbel Kader, P. Cerruti, i-36“, 6 spec., (MSNT); “[Italy] Prov. Trieste, Culiati“ / “Dermestes bicolor det. G. Müller”, 1 spec., (JMUL).

***Dermestes (Dermestes) bicolor bicolor* Fabricius, 1781**

**Material examined:** „Germania“, 1 spec., (MSNT); „L. Bach, Nid-Österr.“ / „Dermestes bicolor det. J. Müller“, 1 spec., (MSNT); „[Italy] Veneto, Istrdua“ / „Dermestes bicolor Fab.,det. Gridelli 1936“, 1 spec., (MSNT).

***Dermestes (Dermestes) lardarius* Linnaeus, 1758**

**Material examined.** Total of 40 spec. from Europe, (JMUL, MSNT).

***Dermestes (Dermestes) voi* Háva, 2000**

**Material examined:** „Ethiopia Mer., Gota, Lomi, 8.1936“, 1 spec., (MSNT).

***Dermestes (Montandonia) olivieri* Lepesme, 1939**

**Material examined.** Total of 40 spec. from Italy, (JMUL, MSNT).

**Subfamily Megatominiæ  
Tribe Anthrenini**

***Anthrenus (Anthrenodes) umbellatarum* Chobaut, 1898**

**Material examined:** „[Libya] Cirenaica mer., Aïn Mure (Suenat), Caporiacco 1932“ / „Anthrenus umbellatarum, Peyerimhoff det.“, 11 spec., (10 MSNT, 1 JHAC); „Algerie, St. Charles, A. Théry“ / „Anthrenus fuscus Latr.“ Collezione A. Tellini“, 1 spec., (MSNT).

**Distribution.** A species known from Algeria, Egypt, Morocco and Israel (Háva 2007, 2015), new to Lybia.

***Anthrenus (Anthrenodes) poggii* Háva, 2002**

**Material examined:** „[Ethiopia] Asile, 27.6.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“ / „Anthrenus sp.“, 1 ♂, (MSNT).

***Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904**

**Material examined:** „[Italy] Sicilia, Agrigento, Lomi, v.1951“, 2 spec., (MSNT); „Lissa D.“ / „v. angustefasciatus“, 3 spec., (JMUL); „Anthrenus scrophulariae, Indre, Collezione A. Tellini“ 1 spec., (MSNT).

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

**Material examined.** Total of 36 spec. from Europe, (JMUL, MSNT).

**Other material examined:** „[Italy] Sicilia, Agrigento, Lomi“, spec. / *Anthrenus pimpinellae* ab. *basifasciatus* Pic sensu Mroczkowski, V. Kalik det. 1957, 33 spec., (32 MSNT, 1 JHAC).

***Anthrenus (Anthrenus) dorsatus* Mulsant et Rey, 1868**

**Material examined:** „Tunis, Mai., Dr. Graeffe“ / „Karthago“ / „pimpinellae v. goliath“, 4 spec., (JMUL).

***Anthrenus (Anthrenus) festivus* Erichson, 1846**

**Material examined:** „Portogallo, Evora, A. Schatzmayr“, 2 spec., (MSNT).

***Anthrenus (Anthrenus) flavipes flavipes* LeConte, 1854**

**Material examined:** „Eritrea, Dogali“ / *Anthrenus fasciatus* n sp pres [hand written, M. Pic det.], 1 spec., (MSNT); „Eritrea 1938, Tessenei, Romedelli“ / „Anthrenus [hand written, M. Pic det.], 1 spec., (MSNT).

***Anthrenus (Anthrenus) goliath* Sauley in Mulsant et Rey, 1868**

**Material examined:** „[Croatia] Mte. Vipera, Dalmazia, Müller, 6.1935“, 1 spec., (JMUL).

***Anthrenus (Anthrenus) pimpinellae isabellinus* Küster, 1848**

**Material examined:** „[Italy] Sicilia, Agrigento, Lomi“ / „Anthrenus pimpinellae v. niveus Rtt., V. Kalík det. 1957“, 18 spec., (MSNT); „Algier“ / „Anthrenus pimpinellae v. niveus Rtt., V. Kalík det. 1954“, 1 spec., (MSNT).

***Anthrenus (Anthrenus) pimpinellae pimpinellae* (Fabricius, 1775)**

**Material examined.** Total of 50 spec. from Europe, (JMUL, MSNT).

**Other material examined:** „[Italy] Concello, Maggio 54“ / „Anthrenus scrophulariae v. suecicus Pal., V. Kalík det. 1960“, 3 spec., (MSNT).

***Anthrenus (Anthrenus) scrophulariae albidus* Brullé, 1832**

**Material examined.** Total of 91 spec. from Europe, (JMUL, MSNT).

***Anthrenus (Anthrenus) scrophulariae scrophulariae* (Linnaeus, 1758)**

**Material examined.** Total of 67 spec. from Europe, (JMUL, MSNT).

***Anthrenus (Anthrenus) simonis* Reitter, 1881**

**Material examined:** „[Libya] Cirenaica, Derna, Gridelli.1935“ / „UADI, 25 Aprile“ / „Anthrenus sp., V. Kalík det.1960“, 1 spec., (MSNT).

**Distribution.** A species known from Turkey, Egypt, Tunisia, Iran,Iraq, Israel and Syria (Háva 2007, 2015), new to Libya.

***Anthrenus (Anthrenus) x-signum* Reitter, 1881**

**Material examined:** „[Libya] Tripolitania, Gat, Ottobre 1936, G. Scortecci“ / „Anth. X-signum Reitt, Peyerimhoff det.“, 1 spec., (MSNT).

**Distribution.** Species known from Corsica, Algeria, Egypt, Morocco and Tunisia (Háva 2007, 2015); new to Libya.

***Anthrenus (Florilinus) museorum* (Linnaeus, 1761)**

**Material examined:** without detailed data, 3 spec., (MSNT); „[Austria] Styria“ / museorum det. J. Müller“, 1 spec., (JMUL).

***Anthrenus (Florilinus) olgae* Kalík, 1946**

**Material examined:** „[Czech Republic] Bohemia, Pardubice, V. Kalík lgt.“ / „Anthrenus Olgae Kalík det. 1954“, 4 spec., (MSNT); „[Czech Republic] Bohemia, Pardubice“ / „COTYPUS“ / „Anthrenus Olgae Kal.“, 1 spec., (JMUL).

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

**Material examined.** Total of 17 spec. from Europe, (JMUL, MSNT).

***Anthrenus (Nathrenus) signatus* Erichson, 1846**

**Material examined.** Total of 83 spec. from Europe, (JMUL, MSNT).

***Anthrenus (Nathrenus) verbasci* (Linnaeus, 1758)**

**Material examined.** Total of 191 spec. from Europe, (JMUL, MSNT).

**Other material examined:** „[Croatia] Laurana-Druga, Istr., Müller, 6.[19]08“ / „Anthrenus verbasci ab. nigrescens m., V. Kalík det. 1957“ / „Holotype [or Paratype]“, 10 spec., (8 MSNT, 2 JHAC).

**Remarks.** V. Kalík determined the mentioned specimens from Laurana-Druga as „ab. nigrescens“, the taxon is undescribed and all morphological characters corresponding with *A. verbasci*. The ab. *nigrescens* is only the colour variability.

**Tribe Megatomini**

***Ctesias (Ctesias) serra* (Fabricius, 1792)**

**Material examined:** „Germania“, 1 spec., V. Kalík det. 1954, (MSNT); „[Italy] Trieste“, 5 spec., (MSNT); „[Italy] Trieste, Boschetto, 26.5.[19]08“ / „Ctesias serra“, 10 spec., (JMUL).

***Globicornis (Globicornis) nigripes* (Fabricius, 1792)**

**Material examined:** „[Austria] Stiria, Wildon, Ravasini 917-18“, 2 spec., V. Kalík det. 1954, (JMUL, MSNT); „[Austria] Wien, Reitter“ / “Globicornis nigripes”, 1 spec., (JMUL).

***Globicornis (Globicornis) picta* (Küster, 1851)**

**Material examined:** „[Italy] I.Brazza D., Novak 6-08“, 1 spec., V. Kalík det. 1954, (MSNT); „Lissa. D.“, 17 spec., (JMUL); „Pola“, 1 spec., (JMUL); „[Croatia] Trebinje, Vasicek“, 1 spec., (JMUL); „Meleda D., Gobanz“, 4 spec., (JMUL); „[Slovenia] Budna D., 23.5.1905“ 3 spec., (JMUL); „[Italy] Ragusa, Kanfin“, 1 spec., (JMUL).

***Globicornis (Globicornis) variegata* (Küster, 1851)**

**Material examined:** „[Italy] Sicilia, Agrigento, Loma, v.1955“, 3 spec., (MSNT); „[Italy] Ins. Elba, Holdhaus“ / “Globicornis variegata Küst.”, 3 spec., (JMUL).

***Globicornis (Hadrotoma) corticalis* (Eichhoff, 1863)**

**Material examined:** „[Czech Republic] Pisek, Bohemia, Coll.Dr.Mařan“, 1 spec., V. Kalík det. 1954, (MSNT); „[Croatia] Mosor, D., Novak, 9.6.1940“ / „Globicornis marginata det. G. Müller“, 1 ♀, (JMUL).



### *Megatoma (Megatoma) undata* (Linnaeus, 1758)

**Material examined:** „Germania“, 1 spec., V. Kalík det. 1954, (MSNT); „[Austria] Umg. Graz, Müller“ / „Megatoma undata“, 1 ♀, (JMUL).

### *Phradonoma cercyonoides* Reitter, 1887

**Material examined:** „[Libya] Tripolitania, Gat, Ottobre 1936, G. Scortecci“ / „Phradonoma cercyonoides Rtt., det. E. Gridelli 1939“, 2 spec., (MSNT); „[Libya] Cufra, Miss. Zool. A Cufra, I.vi.1931“ / “Phradonoma nobile det. Gridelli, 1 spec., (MSNT); „[Libya] Cirenaica mer., Caporiacco, iv.1933“ / „Ain Zuaia m. 690“ / „Trogo-derma khapra Arr (granarium Ev.) Peyerimhoff det.“, 8 spec., (7 MSNT, 1 JHAC).

### *Phradonoma nobile* (Reitter, 1881)

**Material examined:** „[Ethiopia] Gondaraba, Lago Stefania, 27.5.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 1 ♀, (MSNT).

### *Phradonoma villosulum* (Duftschmid, 1825)

**Material examined:** „[Austria] Wien“, 4 spec., V. Kalík det. 1954, (MSNT); „Kaloc“ / „Trogo-derma villosulum“, 3 spec., (JMUL).

### *Phradonoma* sp.

**Material examined:** „[Ethiopia] Murle, 24.7.1939“ / „Miss. E. Zavattari, Sagan-Omo A.O.I.“, 1 ♀, (MSNT).

**Remarks.** The small female specimen (TL 1.8, EW 1.2) belongs to the „*Phradonoma nobile* species group“ and probably to a new species. However, as diagnostic characters in *Phradonoma* are based in other on male genitalia, I refrain from describing this new species until the discovery of a male.

### *Thaumaglossa postlimbata* (Pic, 1948) stat. nov.

(Fig. 10)

*Aethriostoma rufofasciata* var. *postlimbatus* Pic, 1948: 14.

*Phradonomorphus rufofasciatus* var. *postlimbatus*: Mroczkowski, 1968: 111.

*Thaumaglossa rufofasciata* var. *postlimbata*: Háva, 2003: 130; Háva, 2015: 184.

**Type material.** Holotype (♀): „Neghelli, Aprile 1937“ / „Miss. E. Zavattari nei Borana A.O.I.“ / „*Aethriostoma rufofasciata* Pic var“ / „v. *postlimbata* mihi“ / „TYPE“ / „*Thaumaglossa postlimbata* Pic, stat. nov., J. Háva det. 2015“, (MSNT).

**Original description.** „*Aethriostoma rufofasciata* v. nov. *postlimbata* (Clavicorne). Oblongo-subovatus, luteo pubescens, niger, pedibus, abdomine pygidioque rufis, elytris ad medium rufo fasciatis, fascia externe oblitterata et apice anguste rufo marginalis. Long. Fere 3 mill. Neghelli. - Differe de la forme typique par la bande rousse moins élargie et plus droite, la présence d’une bordure postérieure latérale et apicale rousse.“

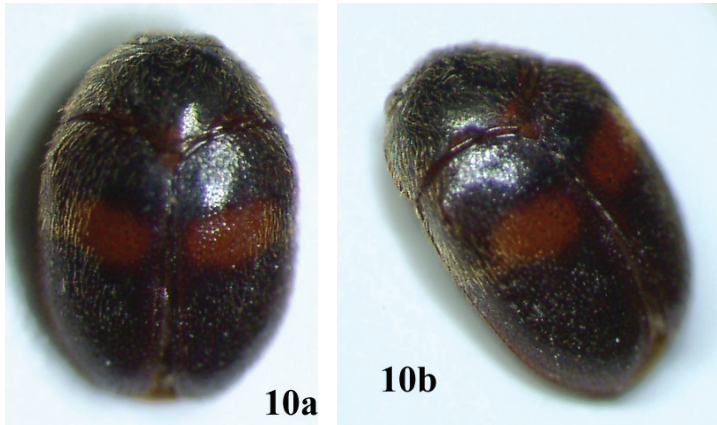


Fig. 10. *Thaumaglossa postlimbata* Pic (holotype): a-dorsal aspect; b- dorso-lateral aspect.

**Short redescription.** Female. Body black, covered by yellow, recumbent setation. Pronotum apically near scutellum with a very small brownish spot. Each elytron with one reddish spot (Fig. 10). Abdominal visible ventrites brown, pygidium brown. Male unknown.

**Remarks.** Mroczkowski (1968) transferred the species to the genus *Phradonomorphus* Pic, 1916. Because the genus is a synonym of *Thaumaglossa* Redtenbacher, 1867, Háva (2003) transferred the species to the genus *Thaumaglossa*. The variety is newly stated as an independent species *Thaumaglossa postlimbata* (Pic, 1948) stat. nov.

**Distribution.** A species known only from Ethiopia.

#### *Trogoderma glabrum* (Herbst, 1783)

**Material examined:** „[Italy] V.G. Carso, Lipizza, 26.6.[19]37, Drioli“, 2 spec., (MSNT).

#### *Trogoderma granarium* Everts, 1898

**Material examined.** Total of 20 spec. from Italy, (MSNT).

#### *Trogoderma inclusum* LeConte, 1854

**Material examined:** „[Italy] Trieste, Nella Cabina di un TIR, provenienza ?, vi.2009, Trogoderma cf. versicolor“, 4 spec., (MSNT).

#### *Trogoderma megatomoides* Reitter, 1881

**Material examined:** „[Czech Republic] Moravia, Reitter“, 1 spec., V. Kalík det. 1954, (MSNT); „[Czech Republic] Paskau, Reitter“, 1 spec., (JMUL).

### ***Trogoderma versicolor* (Creutzer, 1799)**

**Material examined:** „[Ukraine] Bukowina, Czernowitz“ / „*Trogoderma versicolor*“, 2 spec., (JMUL).

#### **Subfamily Orphilinae**

#### **Tribe Orphilini**

### ***Orphinus beali* Zhantiev, 2001**

**Material examined:** „[Greece] Athos, Macedonien, A. Schatzmayr“, 1 spec., (MSNT); „[Croatia] Dalmatia, Orebic, 29.6.1930, W.Liebmann” / “*Orphilus niger* det. J. Müller”, 1 spec., (JMUL).

### ***Orphilus niger* (Rossi, 1790)**

**Material examined:** „[Italy] Sicilia, Agrigento, Lomi, 5.1952“, 14 spec., V. Kalik det. 1954, (13 MSNT, 1 JHAC).

#### **Subfamily Trinodinae**

#### **Tribe Thylodriini**

### ***Thylotrias contractus* Motschulsky, 1839**

**Material examined.** Total 89 ♂♂, 12 ♀♀, all from Italy: Trieste, (JMUL, MSNT, JHAC).

#### **Tribe Trinodini**

### ***Trinodes hirtus* (Fabricius, 1781)**

**Material examined:** „[Italy] Carniolia“, 1 spec., V. Kalik det. 1954, (MSNT); „[Czech Republic] Moravia“, 1 spec., V. Kalik det. 1954; „[Austria] Wien“, 3 spec., V. Kalik det. 1954, (MSNT); „[Austria] Wildon, 5.1918, Revesini“, 6 spec., (JMUL).

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#### **REFERENCES**

- HÁVAJ. 2003: World Catalogue of the Dermestidae (Coleoptera). *Studie a Zprávy Oblastního Muzea Praha-východ v Brandýse nad Labem a Staré Boleslavi*, Supplementum1: 1-196.
- HÁVA J. 2007: Dermestidae pp. 57, 299-320. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea*. Stenstrup: Apollo Books, 935 pp.
- HÁVA J. 2015: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera)*. Leiden/Boston: Brill, xxvi + 419 pp.
- INTERNATIONAL COMMISSION OF ZOOLOGICAL NOMENCLATURE 1999: *International Code of Zoological Nomenclature, Fourth Edition, adopted by the International Union of Biological Sciences*. London: International Trust for Zoological Nomenclature, xxix + 305 pp.

- KALÍK V. 1955: Dermestidae der aethiophischen Region aus der Sammlungen des Königl. Museum von Belgisch Kongo in Tervuren (Mit Bemerkungen über verwandte Arten). *Revue Zoologie Botanique Africaines*, Bruxelles 52: 294-322.
- MROCKOWSKI M. 1958: New names in the family Dermestidae (Coleoptera). *Acta Zoologica Cracoviensia* 2: 557-561.
- MROCKOWSKI M. 1968: Distribution of the Dermestidae (Coleoptera) of the world with a catalogue of all known species. *Annales Zoologici* 26: 15-191.
- MULSANT E. & REY C. 1868: *Histoire Naturelle des Coléoptères de France. Tribu des Scuticolles*. Paris: F. Savy, 186 pp., 3 pls. [reprinted in *Annales de la Société Linnéenne de Lyon*, New Series, 15, 1-188.]
- PIC M. 1948: Notes et nouveautés diverses. *Diversités Entomologiques* 4: 12-16.
- PIC M. 1952: Missione Biologia Sagan-Omo diretta dal prof. Edoardo Zavattari. Coléoptères nouveaux. *Rivista di Biologia* (1951) 11: 25-36.
- PIC M. 1953: Coléoptères nouveaux de l'Afrique orientale. *Atti del Museo Civico di Storia Naturale di Trieste* 19: 110-114.

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