

# New faunistic records and remarks on Dermestidae (Coleoptera) - Part 19.

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HÁVA, J. & HERMANN, A.: *New faunistic records and remarks on Dermestidae (Coleoptera) - Part 19.*

**Abstract:** The corrections to the Holloway's articles about *Anthrenus* species from Mallorca are provided. The species *Anthrenus* (s. str.) *amandae* Holloway, 2019 **syn. nov.**, is a new junior synonym of *Anthrenus* (s. str.) *pimpinellae* (Fabricius, 1775). The corrections to Pushkin's article about Dermestidae are discussed. The following species are newly recorded: *Anthrenus* (*Anthrenops*) *coloratus* Reitter, 1881 (U.S.A.: Delaware); *Anthrenus* (*Anthrenus*) *mroczkowskii* Kalík, 1954 (Macedonia); *Anthrenus* (*Anthrenus*) *munroi* Hinton, 1943 (Greece: Crete); *Anthrenus* (*Anthrenus*) *picturatus picturatus* Solsky, 1876 (Romania); *Anthrenus* (*Anthrenus*) *pimpinellae isabellinus* Küster, 1848 (U.S.A.: Delaware); *Anthrenus* (*Anthrenus*) *scrophulariae* (Linnaeus, 1758) (U.S.A.: Delaware); *Anthrenus* (*Helocerus*) *fuscus* Olivier, 1789 (U.S.A.: Delaware); *Attagenus smirnovi* Zhaniev, 1973 (Slovenia); *Cryptorhopalum difficile* Reitter, 1881 (Paraguay); *Dermestes* (*Dermestes*) *amoenus* Háva, 2008 (China: Yunnan); *Dermestes* (*Dermestes*) *ater* DeGeer, 1774 (U.S.A.: Delaware), Minnesota); *Dermestes* (*Dermestes*) *nidum* Arrow, 1915 (U.S.A.: Minnesota); *Dermestes* (*Dermestes*) *pulcher* LeConte, 1854 (U.S.A.: New York); *Dermestes* (*Dermestes*) *semistriatus* Boheman, 1851 (Mali, Namibia); *Dermestes* (*Dermestinus*) *rattus* LeConte, 1854 (U.S.A.: Utah); *Dermestes* (*Dermestinus*) *talpinus* Eschscholtz in Mannerheim, 1843 (U.S.A.: Ohio); *Novelsis hornii* (Jayne, 1882) (The Netherlands); *Paranovelsis aequalis* (Sharp, 1902) (U.S.A.: Delaware); *Phradonoma cercyonoides* (Reitter, 1887) (Germany, introduced species); *Phradonoma charon* Háva & Kadej, 2008 (Greece: Kythira Isl.); *Thaumaglossa laosense* Háva, 2008 (Cambodia); *Thaumaglossa panda* Herrmann & Háva, 2015 (Vietnam).

**Keywords:** taxonomy, new synonymy, faunistics, new records, Coleoptera, Dermestidae, World.

## Introduction

The knowledge about the distribution of many species within the family Dermestidae is still incomplete. There are a lot of gaps in our understanding of the occurrence of many species. Thus, each paper, which supplements our knowledge in this field, is valuable. In the present paper, 24 species belonging to the family Dermestidae (Coleoptera) are recorded and discussed. The article is a continuation of a series of 18 previous articles (e. g. Háva et al. 2014, 2015a, b, c, 2016, 2018, 2019).

## Material and methods

Species are arranged in alphabetical order, the nomenclature and zoogeography follow the catalogue of HÁVA (2015).

The following abbreviations refer to the collections, in which the examined materials are deposited:

AHEC: Andreas Herrmann, private collection, Stade, Germany;

BMNH: Natural History Museum, London, United Kingdom [British Museum (Natural History)];

JHAC: Jiří Háva, Private Entomological Laboratory & Collection, Prague-west, Czech Republic;

ISNB : Institut Royal des Sciences Naturelles de Belgique, Brussels, Belgium;

NMED: Naturkundemuseum, Erfurt, Germany.

## Corrections to the Holloway's articles

**1. First article:** „*New distributional record of *Anthrenus dorsatus* Mulsant & Rey, 1868 (Coleoptera, Dermestidae) on the island of Mallorca, Spain*“.

In the paper HOLLOWAY et al. (2019) the Háva's Catalogue (2003) [HÁVA J. (2003) World Catalogue for the Dermestidae. Leiden, Brill, 195 pp.] is erroneously cited, although the correction was corrected by the reviewer, editorial and author, these corrections were ignored. The correct quotation for this catalogue is given below (HÁVA 2015).

*Anthrenus* (s. str.) *dorsatus* Mulsant & Rey, 1868

*Material examined from Mallorca:* I. Balears: Mallorca, Puerto de Andraitx, 23-31.v.1972, D. Mahunka lgt., 1 ♂, 2 ♀♀, (JHAC); Mallorca, Cala Bona, 1967, 1 ♂, 1 ♀, (JHAC).

**2. Second article:** „*Anthrenus* (s. str.) *amandae* (Coleoptera: Dermestidae): a new species from Mallorca, Spain“.

HOLLOWAY (2019) published a description of a new species belonging to the „*pimpinellae* species group“. The chapter „*Type material is missing in the original article*“.

„*New records for *Anthrenus* (s. str.) *amandae* sp. nov.: Spain: Mallorca: Pollença (39°85'23" N, 30°04'00" E), 7th May 2018, G.J. Holloway and A. Callaghan, 5 males (including holotype) and 3 females. Spain: Mallorca: Son Real (39°73'74" N 30°18'25" E), 9th May 2018, G.J. Holloway, 2 males and 1 female.*

*Material examined: Holotype NHM (male) plus paratype female. Paratypes ONHM (male and female). Paratypes GJHC.*“

The paratype material is not precisely designed, the holotype specimen is not strictly designed. According to ICZN (1999) Art. 16.4 code described species is available but without respect of Recommendation 73C. In the journal Zootaxa and other journals, the very non-standard concept of this very important part of the paper.

*Anthrenus* (s. str.) *pimpinellae pimpinellae* (Fabricius, 1775)

*Anthrenus* (s. str.) *amandae* Holloway, 2019: 596 **syn. nov.**

Type material of *Anthrenus amandae*: Holotype (♂): „GJH 8.v.18, Pollença, Mallorca“ / „HOLOTYPE, *Anthrenus amandae*, det. Holloway, 2018“ / „BMNH {E} 2019-36 G. Holloway“. Paratype (♀): the same data as holotype but 7.v.18. Type material deposited in British Museum Natural History, London, England.



Figs. 1-2: *Anthrenus* (s. str.) *amandae* Holloway, 2019 (holotype): 1- habitus, 2- labells.

*Material studied:* I. Balleares: Mallorca, Inca, Dir. Sencelles, 26.4.1992, D. Siede lgt., 2 spec., (1 JHAC, 1 AHEC); Mallorca, Pollença, 8.6.1990, M. Döberl lgt., 1 spec., (AHEC); Mallorca, Ses Salines, Bany. de St. Joan, 26.4.1992, D. Seide lgt., 2 spec., (AHEC).

*Further material studied:* authors have studied more than 800 specimens from the Holarctic Region.

According to the description and study of the „Type material“ from the British Museum of Natural History, London, the species *amandae* represents an only slightly different morphological variation of populations *Anthrenus* (s. str.) *pimpinellae* *pimpinellae* (Fabricius, 1775) from Sicilia, south Spain and Morocco. Morphological characters were illustrated by KADEJ et al. (2007). The species *A. amandae* is a new junior synonym of *Anthrenus* (s. str.) *pimpinellae* *pimpinellae* (Fabricius, 1775).

## Corrections to Pushkin's article

PUSHKIN (2019) has recently published a paper entitled “*Revision of the Material of Collections of the Carpet Beetle (Dermestidae). Part 1. Faunistic Review*”. Unfortunately, in the article, there are many errors, misspellings and wrong identifications:

page 8: *Paranovelsis punktatus* - error in spelling: the correct spelling is *P. punctatus*  
 page 8, 9, 10: *Dermestes mustelinus* - not *mustelinus* [*mustelinus* is distributed in west Mediterranean Region] = *D. kaszabi*

page 9: *Dermestes fasciventris* from Thailand - not *fasciiventris* [that species occurs in central Asia only]

page 9: *Attagenus suspiciosus* from Thailand - not [the species doesn't occur in south-eastern Asia, most likely mislabelled or misidentified]

page 9: *Anthrenus latefasciatus* from Thailand - not [the species doesn't occur in south-eastern Asia, most likely mislabelled or misidentified]

page 10: *Attagenus aristidis* from Kazakhstan - not *aristidis* [*aristidis* restricted to north Africa]

page 11, 12: *Attagenus bifasciatus* from U.S.A. - not *bifasciatus* [the species doesn't occur in the Nearctic Region] = Most likely it refers to a member of the genus *Novelsis* sp.

page 11, 12: *Dermestes szekessyi* from U.S.A. - not *szekessyi* [the species doesn't occur in the Nearctic Region] = Probably it refers to *D. rattus tristis*

page 13: *Dermestes sardaous asiaticus* error in spelling: the correct name is *sardous*

page 13: *Attagenus unicolor simulanus* error in spelling: the correct name is *simulanus*

page 13: *Attagenus molitor* from Turkey - not *molitor* [the species distributed in Mongolia, China, Kazakhstan and NE Iran]

page 13: *Dermestes (Mantandonia)* error in spelling: the correct name is *Montandonia*

page 14: *Attagenus bifasciatus* from Armenia - not *bifasciatus* = *Attagenus pulcher*

page 15: *Attagenus londisimus* error in spelling: the correct name is *longissimus* (= *Attagenus longipennis*)

page 15: *Dermestes pardalis* from Turkmenistan [probably mislabelled or misidentified, the species distributed in western Mediterranean Region]

page 16: *Attagenus aristidis* from Russia - not *aristidis* [*aristidis* restricted to north Africa]

page 16: *Attagenus scalaris* from Caucasus - not *scalaris* [that species is distributed in Egypt, Libya, Israel and Saudi Arabia]

page 17: *Attagenus simplex* from Bukhara - not *simplex* [that species is distributed in Mediterranean Region]

pages 18,19: *Dermestes valpinus* (4x) error in spelling: the correct name is *vulpinus* [= *Dermestes maculatus*]

page 18: *Anthrenus latefasciatus* from Algeria - not *latefasciatus* [regards *Anthrenus dorsatus* or *goliath* since *latefasciatus* doesn't occur in the Mediterranean Region]

page 19: *Attagenus ionicus* from Tashkent (Uzbekistan) [probably wrong determination, the species is known from Greece, Turkey, Crete, Russia: Dagestan]

page 19: *Attagenus niseteoi* Dejean, nomen nudum - not a valid taxon

page 19: *Dermestes dimidiatus* from Spain [probably mislabelled or misidentified, that species is distributed in western Mediterranean Region]

The above list shows only the obvious mistakes and errors: since it is more than likely that there are much more errors between the other records; we suggest that the results of that paper should be completely ignored.

## Faunistics

### Subfamily Attageninae

#### Tribe Attagenini

##### *Attagenus smirnovi* Zhantiev, 1973

*Material examined:* Slovenia, Polanje, Obrov., 1.6.2009, M. Egger lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* Species known from Europe, Turkey, Eritrea, Ethiopia, Kenya, Morocco, Sudan, Greenland, Malaysia: Kelantan, Mongolia, Oman, Russia, Saudi Arabia, Syria, Thailand, Yemen, new to Slovenia.

##### *Novelsis hornii* (Jayne, 1882)

*Material examined:* “Nederlande, Almelo, 12.3.1982, Dynort lgt.”, 1 ♂, A. Herrmann det., (AHEC).

*Distribution:* A species known from Mexico and U.S.A., from The Netherlands as introduced species recorded by (Denux & Zagatti 2010, Háva 2015) but without detailed data. This is first reliable record from The Netherlands.

##### *Paranovelsis aequalis* (Sharp, 1902)

*Material examined:* U.S.A.: Delaware, New Castle County, Newark, 01-Mai-97, Bartlett, C. R. lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* A species known from Mexico, U.S.A. and as introduced species to Europe: Finland, France, Romania, Spain and Switzerland, in U.S.A.: new to Delaware.

### Subfamily Dermestinae

#### Tribe Dermestini

##### *Dermestes (Dermestes) amoenus* Háva, 2008

*Material examined:* China, Yunnan/Honghe Gulinqin, 520 m, 22°43.31' N 103°59.57' E, 12.v.2018, L. Z. Meng leg. (GLQ52), 2 spec., (NMED, JHAC).

*Distribution:* A species known from China: Hubei, Shaanxi and Sichuan, new for Yunnan.

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

*Material examined:* U.S.A.: Delaware : New Castle County, Newark, 09-Mrz-50, D. MacCreary lgt., 1 spec., A. Herrmann det., (AHEC); New Castle County, Wilmington, Apartment house, 15-Aug-40, 2 spec., A. Herrmann det., (AHEC); Minnesota: Saint Paul, In home, 08-Jan-60, Cook, G. F. lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* A cosmopolitan species, in U.S.A.: new to Delaware and Minnesota.

##### *Dermestes (Dermestes) nidum* Arrow, 1915

*Material examined:* U.S.A.: Minnesota, Elk River, 20-Jun-51, Caron, H. F. lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* A species known from Canada; U.S.A., North Korea, Russia: E Siberia and Taiwan, in U.S.A.: new to Minnesota.

***Dermestes (Dermestes) pulcher* LeConte, 1854**

Material examined: U.S.A.: NY, New Lebanon, Nov. 12 34, H. Dietrich lgt., 1 ♂, A. Herrmann det., (AHEC).

*Distribution:* Species known from Canada and U.S.A., in U.S.A.: new to New York.

***Dermestes (Dermestes) semistriatus* Boheman, 1851**

Material examined: Mali, Region Mopti, Bandagara, April 2016, local collector lgt., 1 ♀, A. Herrmann det., (AHEC); Namibia, Kuzikus W. R., 23°14'17"S, 18°23'29"E, 30.ix - 5.x.2012, Leg. J. Constant/I.G.32.223, 1 spec., A. Herrmann det., (ISNB).

*Distribution:* Species known from Benin, Botswana, Congo, Ethiopia, Mozambique, South Africa, Tanzania and Zimbabwe, new for Mali and Namibia.

***Dermestes (Dermestinus) rattus rattus* LeConte, 1854**

Material examined: U.S.A.: Utah, Brigham, 02-Jun-45, Knowlton, G. F., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* Species known from Canada and U.S.A., in U.S.A.: new to Utah.

***Dermestes (Dermestinus) talpinus* Eschscholtz in Mannerheim, 1843**

Material examined: U.S.A.: Ohio, Franklin County, Columbus, 01-Apr-47, Stearns, L. A. lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* Species known from Canada and U.S.A., in U.S.A.: new to Ohio.

**Subfamily Megatominae**

**Tribe Anthrenini**

**Subtribe Anthrenina**

***Anthrenus (Anthrenops) coloratus* Reitter, 1881**

Material examined: U.S.A.: Delaware: Claymont/New Castle County, 12-Jun-97, Bartlett C. R., 1 spec.; Claymont/New Castle County, Valley Run Apts, 24-Jun-97, Bartlett C. R., 1 spec.; Newark/New Castle County, Townsend Hall, 01-Mai-97, Bartlett C. R., 1 spec.; Wilmington/New Castle County, 18-Mai-96, Hulburt David, 1 spec.; Wilmington/New Castle County, 01-Jun-96, Hulburt David, 1 spec.; Wilmington/New Castle County, Valley Run Apts, 31-Mai-97, Bartlett C. R., 1 spec., all A. Herrmann det., (AHEC).

*Distribution:* Species known from Holarctic and Afrotropical Regions, in U.S.A.: new to Delaware .

***Anthrenus (Anthrenus) mroczkowskii* Kalík, 1954**

Material examined: "Maced., Pirin, 5.vi29, Mařan et Táborský lgt., 1 spec., J. Háva det., (JHAC); Mazedonien, Ohrid, Velestovo, 5.5.2017, H. Mühle lgt., 10 spec., A. Herrmann det., (AHEC).

*Distribution:* Species known from Albania, Bosnia and Herzegovina, Bulgaria, Corsica, Crete, Croatia, Greece, Italy, Slovenia, Turkey, new to Macedonia.

***Anthrenus (Anthrenus) munroi* Hinton, 1943**

Material examined: Greece, Kreta, Agia Triada, 3.4.1996, E. Holzer lgt., 1 spec., A. Herrmann det., (AHEC); Greece, Kreta, Garazo, Oros Idi, Rethimno, 24.4.1999, D. Siede lgt., 1 spec., A. Herrmann det., (AHEC).



*Distribution:* Species known from Bulgaria, Corsica, Cyprus, France, Italy, Macedonia, Portugal, Sardinia, Spain, Turkey, Ukraine: Crimea, Algeria, Libya, Morocco, Tunisia, Israel, Jordania, Lebanon, Syria, new to Greece: Crete.

***Anthrenus (Anthrenus) picturatus picturatus* Solsky, 1876 (Fig. 3)**

*Material examined:* Romania, București, Cuza Voda street, sector 4, 1.5.2019, E. Petrescu observ., 4 spec. on *Spiraea vanhouttei*, J. Háva det.; the same data but 3.5.2019, 5 spec. observ. together with *Anthrenus verbasci* (Linnaeus, 1767), E. Petrescu observ., J. Háva det.

*Distribution:* Species known from Azerbaijan, Corsica (intr.), Georgia, Poland, Slovakia, Turkey, Afghanistan, „Caucasus“, Iran, Kyrgyzstan, Kazakhstan, Russia, Tadzhikistan, Turkmenistan, Uzbekistan, South Africa: Pretoria (intr.), new for Romania.



**Fig. 3. *Anthrenus picturatus picturatus* Solsky, 1876 on *Spiraea vanhouttei*, Romania, Bucurest (photo by Eugenia Petrescu).**

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

*Material examined:* U.S.A.: Delaware, New Castle County, Wilmington, 15-Jun-97, Hulburt, David lgt., 1 spec., A. Herrmann det., (AHEC).

*Distribution:* Subspecies known from France, Italy, Spain, Algeria, Morocco, Tunisia, U.S.A.: Virginia, in U.S.A.: new to Delaware .

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

*Material examined:* U.S.A.: Delaware: Newark/New Castle County, 01-Apr-18 [or 01-Jan-36, 28-Nov-50, 02-Mai-53], 4 spec., A. Herrmann det., (AHEC).

*Distribution:* Nominotypical subspecies known from Europe, Asia, Africa, Chile, U.S.A., Canada, Australia, Tasmania, in U.S.A.: new to Delaware.

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

*Material examined:* U.S.A.: Delaware: Magnolia/Kent County, Tidbury Park, 05-Sep-03, Aparicio E. M., 1 spec.; Newark/New Castle County, Townsend Hall, 20-Mar-01, Bartlett C. R., 1 spec., Newark/New Castle County, Townsend Hall, 10-Nov-01, Nazdrowicz N. H., 1 spec., all A. Herrmann det., (AHEC).

*Distribution:* Species known from Europe, N Africa, Russia, Japan, Canada and U.S.A., in U.S.A.: new to Delaware .

**Tribe Megatomini  
Subtribe Cryptorhopalina**

***Cryptorhopalum difficile* Reitter, 1881**

*Material examined:* Paraguay, Caaguazu Dpto., Repatriación, 8.9.2001, C.J.Aguilar lgt., 2 spec., A. Herrmann det., (AHEC)

*Distribution:* Species known from Brazil, new to Paraguay.

***Thaumaglossa laosense* Háva, 2008**

*Material examined:* Cambodia, Siem Reap Angkor Thom, Net catching, 2.vi.-31.vii.2003, IG 30.192, Daniel R. Jump leg., 1 ♀, J. Háva & A. Herrmann det., (ISNB).

*Distribution:* Species known from Laos, new to Cambodia.

***Thaumaglossa panda* Herrmann & Háva, 2015**

*Material examined:* "Vietnam: NE Region, Hanoi Prov., Bai Vi, Nat'l Park, 16-18.vi.2016, 21°04.879 N 105°21.985 E, Coll. Gareth S. Powell", 2 ♂♂, A. Herrmann det., (AHEC).

*Distribution:* Species known from China, new for Vietnam.

**Subtribe Trogodermina**

***Phradonoma cercyonoides* (Reitter, 1887)**

*Material examined:* Germany, Hamburg-Rothenburgsort, Legereibetrieb, 30.8.2010, U. Sellenschlo, 1 spec., A. Herrmann det., (AHEC).

*Distribution:* Species known from Egypt, Libya, Morocco, Nigeria, Senegal, Sudan, Western Sahara, Israel and Syria, new to Germany as introduced species.

*Remarks:* This record was already published erroneously as *Phradonoma nobile* by HERRMANN (2013).

***Phradonoma charon* Háva & Kadej, 2008**

*Material examined:* Greece, Kythira Isl., Platia Ammos beach env., 36°36'N 22°96'E, 7-11.vii.2018, P. Bulirsch lgt., 1 ♀, J. Háva det., (JHAC).

*Distribution:* Species known from Greece and Turkey, new to Greece: Kythira Island.



**Subfamily Trinodinae**  
**Tribe: Thylodriini**

***Trichodryas esoterica*** Lawrence & Ślipiński, 2005

*Material examined:* Brunei, Kuala Belalong FSC, E 1 15 7'N 4 34', Dipterocamp forest, MN(NH) 1991-173 / Ground FIT 1B, 260 m alt, 22.vi.91, N. Mawdlsey NM204, 2 spec.; the same data but Ground FIT 4, 270 m alt, 17.vi.91, N. Mawdlsey NM226, 1 spec.; the same data but Ground Malaise 9A, 260 m alt., 8.ii.92, N. Mawdsley NM295, 4 spec.; the same data but Ground Malaise 6, 275 m alt., 17.vi.91, N. Mawdlsey NM246, 2 spec.; the same data but Ground Malaise 9B, 260 m alt., 8.ii.92, N. Mawdlsey NM296, 3 spec.; the same data but Ground Malaise 16, 520 m alt., 8.ii.92, N. Mawdlsey NM300, 1 spec., all J. Háva det., (11 BMNH, 2 JHAC).

*Distribution:* Species known from Indonesia: Borneo; Malaysia: Pahang, Sarawak; Singapore, new to Brunei.

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