

New faunistic records and remarks on Dermestidae (Coleoptera) - Part 17

Jiří HÁVA¹⁾ & Andreas HERRMANN²⁾

¹⁾Department of Forest Protection and Entomology,
Faculty of Forestry and Wood Sciences, Czech University of Life Sciences,
Kamýcká 129, CZ-165 00, Prague 6 - Suchbát, Czech Republic
e-mail: jh.dermestidae@volny.cz

²⁾Bremervörder Strasse 123, D-21682, Stade, Germany
e-mail: herrmann@coleopterologie.de

Taxonomy, faunistics, new synonymy, new records, Coleoptera, Dermestidae, World

Abstract. A new synonym is proposed: *Paranovelsis aequalis* (Sharp, 1902) (= *Attagenus incognitus* Háva, 2003 syn. nov.). The following species are recorded: *Anthrenus* (*Anthrenus*) *mroczkowskii* Kalík, 1954 (Croatia); *Anthrenus* (*Anthrenus*) *smetanai* Kadej & Háva, 2011 (Morocco); *Attagenus donckieri* Pic, 1916 (South Africa); *Attagenus lynx* (Mulsant & Rey, 1868) (Pakistan); *Attagenus* (*Aethriostoma*) *madecassus* (Pic, 1916) (Gabon); *Attagenus matamata* Kadej & Háva, 2015 (South Africa); *Attagenus nepalensis* Háva, 2001 (Bhutan); *Attagenus pulcher* Faldermann, 1835 (Turkey); *Attagenus robustior* (Pic, 1951) (Ghana); *Dermestes* (*Dermestinus*) *loebli* Háva, 2002 (Lebanon); *Orphilus africanus* Háva, 2005 (Spain); *Paranovelsis aequalis* (Sharp, 1902) (Romania, France); *Phradonoma cercyonoides* (Reitter, 1887) (Senegal); *Thaumaglossa ghana* Háva, 2002 (Gabon); *Trogoderma longisetosum* Chao & Lee, 1966 (Armenia); *Trogoderma socium* (Lea, 1895) (Australia: Western Australia). Two species as nomina nuda belong to the genus *Anthrenus* (*Nathrenus*), are discussed: *Anthrenus chilensis* Germain, 1911 and *Anthrenus guttulata* Germain, 1911 both from Chile. The holotype specimen of *Attagenus duplex* ssp. *octopunctatus* Mroczkowski, 2002 is firstly illustrated.

INTRODUCTION

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, 18 species belonging to the family Dermestidae (Coleoptera) are recorded and discussed. The article is a continuation of a series of 16 previous articles (e. g. Háva et al. 2014, 2015a, b, c, 2016, 2017).

MATERIAL AND METHODS

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

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

- AHEC Andreas Herrmann, private collection, Stade, Germany;
- HNHM Hungarian Natural History Museum, Budapest, Hungary;
- HRPC Václav Hron, private collection, Chrudim, Czech Republic;
- JHAC Jiří Háva, Private Entomological Laboratory & Collection, Prague-west, Czech Republic;
- MHNL Musée d'Histoire Naturelle de Lyon, Lyon, France;
- NHMB Naturhistorisches Museum, Basel, Switzerland;
- NMED Naturkundemuseum Erfurt, Germany;
- TAUC Tel Aviv University, The Steinhardt Museum of Natural History, Tel Aviv, Israel;
- TMSA Ditsong National, [Transvaal Museum] Museum of Natural History, Pretoria, South Africa.

RESULTS

Subfamily Attageninae

Attagenus (Aethriostoma) madecassus (Pic, 1916)

Material examined: Gabon E, Ogoé-Ivindo Prov., Makokou 5-9 km SW, Ivindo NP, Ipassa forest research station, (0° 30' 52" 'N, 12° 48' 21" 'E) 3-4 km around, 15-16.VI.2016, 480-540 m, primary lowland rainforest, night, on tree trunks & decaying wood, leg. D. Telnov, 1 ♂, A. Herrmann det., (AHEC); Gabon E, Ogoé-Ivindo Prov., Makokou 5 km SW, Ivindo NP, Ipassa forest research station, 0° 30' 52" 'N, 12° 48' 21" 'E, 23-24.VI.2016, 520 m, edge of secondary lowland rainforest, MV light, leg. D. Telnov, 1 ♀, A. Herrmann det., (AHEC).

Distribution. A species known from Kenya, Madagascar, Mauritius, Reunion, Tanzania, new to Gabon.

Attagenus donckieri Pic, 1916

Material examined: „S.Afr., Cape Prov., Vanzyisrus 167 km W, 26.3.1990“ / „on flowers, leg. J. Klimaszewski“, 7 spec., J. Háva & A. Herrmann det., (5 TMSA, 2 AHEC).

Distribution. A species known from Angola and Congo, new to South Africa [RSA].

Attagenus duplex (Reitter in Heyden, 1890)

Attagenus duplex ssp. *octopunctatus* Mroczkowski, 2002: 29.

Type material. *Attagenus duplex* ssp. *octopunctatus*, holotype (♂): IRAQ occ., 6.5.1978, Western desert, BIR-ER-RAH, 70 km n. of RUTBA, J. Macek lgt. / *Attagenus duplex octopunctatus* ssp. nov., det. M. Mroczkowski 1987 / *Attagenus duplex* (Rtt.) J. Háva det. 2007, (NHMB).

Remarks. The holotype specimen is firstly illustrated here (Figs. 1-2), because in the original description the figures are missing. Synonymy published by Háva (2007).



1



2

Figs. 1-2. Holotype of *Attagenus duplex* ssp. *octopunctatus* Mroczkowski, 2002: 1- habitus, dorsal aspect; 2- habitus, lateral aspect.

***Attagenus lynx* (Mulsant & Rey, 1868)**

Material examined: Pakistan, Northern Areas, 15 km E Chilas, 35°42'15"N, 74°27'11"E, 1100 m, 2.7.2007, leg. H. Mühle, 1 ♀, A. Herrmann det., (AHEC).

Distribution. A species known from Armenia, Azerbaijan, Finland (intr.), Poland (intr.), Turkey, Egypt, „Caucasus“ Iran, Israel, Kazakhstan, Mongolia, Qatar, Russia, Saudi Arabia, Syria, Tadzhikistan, Turkmenistan and Uzbekistan, new to Pakistan.

***Attagenus matamata* Kadej & Háva, 2015**

Material examined: „[RSA] Warmb[erg], June 10 1904“, 1 ♂, J. Háva & A. Herrmann det., (TMSA).

Distribution. A species known only according to the type series from South Africa, new locality data from South Africa [RSA].

***Attagenus nepalensis* Háva, 2001**

Material examined: Bhutan, Umgebung Paro, 2500 m, 2.-3.4. 1999, E. Heiss leg., 1 ♂, 1 ♀, J. Háva det., (AHEC).

Distribution. A species known from China: Tibet, Nepal, new to Bhutan.

***Attagenus pulcher* Faldermann, 1835**

Material examined: Turkey, Kars-Karakurt, 1400 m, 28.viii.2000, L. Gültekin leg., 1 ♂, J. Háva & A. Herrmann det., (AHEC).

Distribution. A species known from Armenia, Azerbaijan, Georgia, Iran, Russia: Dagestan and Turkmenistan, new for Turkey.

***Attagenus robustior* (Pic, 1951)**

Material examined: „Ghana, Eastern region, Kpong, 23 m, N 6 10 - W 0 03, Dr. S. Endrödy-Younga“ / „Nr. 293, netting, 10.i.1968“, 1 ♀, J. Háva & A. Herrmann det., (HNHM)

Distribution. A species known from Burkina Faso, Congo, Gambia, Guinea-Bissau, Guinea, Ivory Coast, Senegal and Sierra Leone, new to Ghana.

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

= *Attagenus incognitus* Háva, 2003: 28 **syn. nov.**

= *Paranovelsis incognitus*: Háva in Zahradník & Háva, 2014: 306.

Remarks. *Attagenus incognitus* Háva, 2003 has been described based on specimens collected in 1973 and 1999 in Spain (Háva, 2003); this taxon was later transferred into the genus *Paranovelsis* (Háva in Zahradník & Háva 2014). After comparing type material and recently collected material from Spain, Switzerland, Finland, France (Saint Sever) and Romania (Bucurest) with examples of the Nearctic species *Paranovelsis aequalis* (Sharp, 1902) it turns out that both taxa are identical in morphological respect (some of the characters, e. g. antennae and male genitalia, differ slightly within the populations). Therefore we propose *Paranovelsis incognitus*

(Háva, 2003) to become a junior synonym of *Paranovelsis aequalis* (Sharp, 1902).

Since it is very unlikely that in former times European individuals of this conspicuous species were overlooked by the many collectors and entomologists we admit that this species has been imported from North America to Spain about five decades ago, and afterwards established permanent populations there.

Distribution. A species known from Mexico, U.S.A., Europe: Spain, Switzerland, Finland, Romania (a new record), France (a new record).

Subfamily Dermestinae Tribe Dermestini

Dermestes (Dermestinus) loebli Háva, 2002

Material examined: Lebanon, Jbail dist., Ehmej, pitfall trap, 1100 m, iv.2015, Reuter leg., 1 ♀, J. Háva det., (NMED).

Distribution. A species known from Israel, Jordan and Syria, new to Lebanon.

Subfamily Megatominae Tribe Anthrenini

Anthrenus (Anthrenus) mroczkowskii Kalík, 1954

Material examined: Croatia bor., Krmpole-Jakor Polje, 10 km SE of Novi Vinodolski, 7/2017, V. Hron lgt., 120 spec., (HRPC, JHAC).

Bionomics. On *Pinus* sp. about 5 hanging blank "cobweb" bags of about 20 cm in size with organic debris were collected after caterpillars of the *Lymantria* sp. butterfly. The butterflies were already hatched. Beetles hatched in November 2017.

Anthrenus (Anthrenus) smetanai Kadej & Háva, 2011

Material examined: Maroc-Montée sur Oukad'meden, après l'embt pour Tahanaout / 31° 15' 44'' N 7° 49' 12'' W, Stat 23; alt 1566 m, 15.5.2016 / collectes au Maroc Mai 2016, H. Labrique, 6 spec., J. Háva det., (5 MHNL, 1 JHAC).

Distribution. A species known from Algeria, Tunisia and Morocco, new locality data from Morocco.

Anthrenus (Nathrenus) verbasci (Linnaeus, 1767)

(Fig. 3)

= *Anthrenus chilensis* Germain, 1911: 66.

= *Anthrenus guttulata* Germain, 1911: 66.

Remarks. Germain (1911) published a catalogue of Coleoptera from Chile with more unpublished names. The Germain's specimens with the two names (nomina nuda) *Anthrenus chilensis* Germain, 1911 and *Anthrenus guttulata* Germain, 1911 belong to the species *Anthrenus (Nathrenus) verbasci* (Linnaeus, 1767). Moroni determined in 1973 the Germain's specimens (reddish small labels indicated the type material of two undescribed taxa (Fig. 1)).

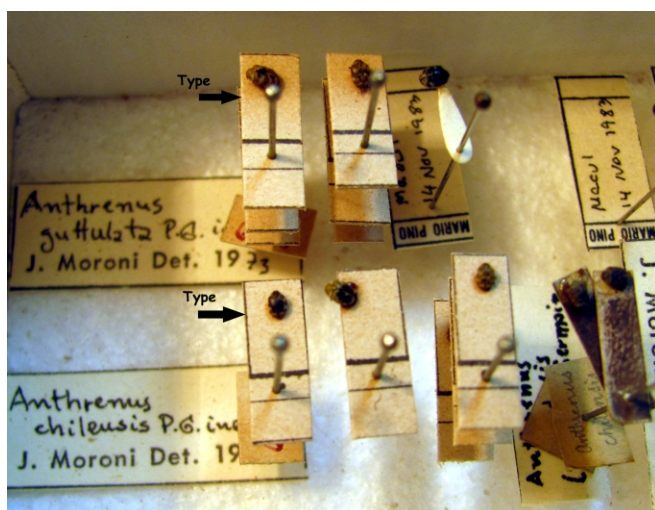


Fig. 3. Type material of *Anthrenus guttulata* and *A. chilensis*.

Tribe Megatomini Subtribe Cryptorhopalina

Thaumaglossa ghana Háva, 2002

Material examined: Gabon E, Ogooué-Ivindo Prov., Makokou 5-9 km SW, Ivindo NP, Ipassa forest research station, 0° 30' 52" 'N, 12° 48' 21" 'E, 24-25.VI.2016, 480-540 m, edge of secondary lowland rainforest, white light trap in canopy, leg. D. Telnov, 1 ♂, J. Háva det., (AHEC); Gabon E, Ogooué-Ivindo Prov., Makokou ca. 7 km SW, Ivindo NP, Ipassa forest research station, 0° 30' 52" 'N, 12° 48' 21" 'E, 18-19.VI.2016, 480-540 m, edge of secondary lowland rainforest, white light trap in canopy, leg. D. Telnov, 1 ♂, J. Háva det., (AHEC).

Distribution. A species known from Cameroon, Ghana, Ivory Coast, Nigeria, new to Gabon.

Subtribe Trogodermina

Phradonoma cercyonoides (Reitter, 1887)

Material examined: Senegal c., Saly env, see coast, 8-14.ii.2018, V. Novák lgt., 1 spec., J. Háva det., (JHAC).

Distribution. A species known from Egypt, Libya, Morocco, Nigeria, Sudan, Western Sahara, Israel and Syria, new to Senegal.

Remarks. The species were collected together with *Attagenus fasciatus* (Thunberg, 1795) and *Attagenus postfasciatus* (Pic, 1951).

Trogoderma longisetosum Chao & Lee, 1966

Material examined: Armenia, Meghri env., 4-8.6.2013, Štěpánek leg., 2 ♂♂, J. Háva det., (JHAC).

Distribution. A species known from Albania, Czech Republic, Slovakia, China: Heilongjiang, Shanxi, Japan and Russia, new to Armenia.

***Trogoderma socium* (Lea, 1895)**

Material examined: Australia: WA, Yallingup, 21-22.x.1981, H. & A. Howden, 1 ♀, A. Herrmann det., (AHEC).

Distribution. A species known from Australia: Sydney, new to Western Australia.

Subfamily Orphilinae Tribe Orphlini

***Orphilus africanus* Háva, 2005**

Material examined: Spain: Navarra/Mélida, Pinar de Sania Agueda, V.2012, leg. Recalde & San Martín, 2 spec., J. Háva & A. Herrmann det., (AHEC).

Distribution. A species known from Morocco, new to Spain.

ACKNOWLEDGEMENTS. We are indebted to all colleagues and collectors for the chance to study their material. The research was supported by the Internal Grant Agency (B0118/004), Faculty of Forestry and Wood Sciences, Czech University of Life Sciences Prague.

REFERENCES

- GERMAIN P. 1911: Catálogo de los coleópteros chilenos del Museo Nacional. *Boletín del Museo Nacional de Chile* 3(1): 47-73.
- HÁVA J. 2003: Notes on Dermestidae (Coleoptera) with description of eight new species. *Annales Historico Naturales Musei Nationalis Hungarici* 95: 19-35.
- HÁVA J. 2007: Derodontoidea pp. 298-299. In: LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea, Derodontoidea, Bostrichoidea, Lymexyloidea, Cleroidea and Cucujoidea*. Stenstrup: Apollo Books, 935 pp.
- HÁVA J. 2015: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera)*. Leiden/Boston: Brill, xxvi + 419 pp.
- HÁVA J. & HERRMANN A. 2016: New faunistic records and remarks on Dermestidae (Coleoptera) - Part 16. *Folia Heyrovskyana, series A* 25(2): 4-14.
- HÁVA J., KADEJ M. & HERRMANN A. 2014: New Faunistic Records of Dermestidae (Coleoptera) - Part 11. *International Journal of Fauna and Biological Studies* 1(4): 10-13.
- HÁVA J., HERRMANN A. & KADEJ M. 2015a: New Faunistic Records of Dermestidae (Coleoptera) - Part 12. *Arquivos Entomológicos* 13: 53-57.
- HÁVA J., HERRMANN A. & KADEJ M. 2015b: New Faunistic Records of Dermestidae (Coleoptera) - Part 13. *VERNATE* 33: 271-274.
- HÁVA J., HERRMANN A. & KADEJ M. 2015c: New Faunistic Records of Dermestidae (Coleoptera) - Part 14. *Euroasian Entomological Journal* 14(6): 568-570.
- HÁVA J., HERRMANN A. & KADEJ M. 2016: New faunistic records and remarks on Dermestidae (Coleoptera) - Part 15. *Studies and Reports, Taxonomical Series* 12(2): 339-344.
- MROČZKOWSKI M. 2002: New distributional data on Dermestidae (Coleoptera) from Iraq and Arabian Peninsula. *Fragmenta Faunistica* 45: 27-30.
- ZAHRADNÍK P. & HÁVA J. 2014: Catalogue of the world genera and subgenera of the superfamilies Derodontoidea and Bostrichoidea (Coleoptera: Derodontiformia, Bostrichiformia). *Zootaxa* 3754: 301-352.

Published: 31. 7. 2018