

ARTIGO / ARTÍCULO / ARTICLE

New faunistic records of Dermestidae (Coleoptera) - Part 7.

Jiří Háva¹, Andreas Herrmann² & Marcin Kadej³

¹ Department of Forest Protection and Game Management, Faculty of Forestry and Entomology, Czech University of Life Sciences, Kamýcká 1176, CZ-165 21, Prague 6 - Suchdol, Czech Republic.
e-mail: jh.dermestidae@volny.cz

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

³ Division of Invertebrates Biology, Evolution and Conservation, Department of Evolutionary Biology and Ecology, University of Wrocław, ul. Przybyszewskiego 63/77, PL-51-148 Wrocław, Poland
e-mail: entomol@biol.uni.wroc.pl

Abstract: The following species are newly recorded: *Attagenus bitaeniatus* (Steinhel, 1869) (New Zealand); *Attagenus fasciatus* (Thunberg, 1795) (Comores Is.); *Attagenus lobatus* Rosenhauer, 1856 (Syria); *Attagenus robustior* (Pic, 1951) (Namibia); *Attagenus smirnovi* Zhantiev, 1973 (Thailand); *Anthrenus (Anthrenus) goliath* Saulcy in Mulsant & Rey, 1868 (Libya); *Anthrenus (Anthrenus) oceanicus* Fauvel, 1903 (French Polynesia); *Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904 (Switzerland); *Anthrenus (Anthrenops) coloratus* Reitter, 1881 (Italy: Sardegna Is.); *Anthrenus (Anthrenodes) israelicus* Háva, 2004 (Algeria); *Anthrenus (Nathrenus) zahradniiki* Háva, 2003 (Greece: Chios Is.); *Cryptorhopalum orbiculosum* Reitter, 1881 (Peru); *Dermestes (Dermestinus) loebli* Háva, 2002 (Jordanian); *Evorinea flava* (Motschulsky, 1863) (Israel); *Globicornis (Globicornis) luckowi* Herrmann, Háva & Kadej, 2011 (Italy); *Orphilus beali* Zhantiev, 2001 (Greece: Chios Is., Skiatos Is.); *Orphinus (Falsoorphinus) yeti* Háva, 2008 (India: Assam); *Orphinus (Orphinus) binotatus* Pic, 1937 (Comores Is.); *Phradonoma hirsutululum* (Reiche in Mulsant et Rey, 1868) (Yemen: Socotra Is.); *Phradonoma namibicum* Háva, 2005 (Namibia); *Phradonoma trizonatum* (Fairmaire, 1883) (Tunisia); *Reesa vespulae* (Milliron, 1939) (Romania); *Thaumaglossa nigricans* (MacLeay, 1871) (Australia: Northern Territory).

Key words: Coleoptera, Dermestidae, Faunistics, new records, World.

Resumen: Nuevos datos faunísticos de Dermestidae (Coleoptera) - Parte 7. Las siguientes especies son citadas por primera vez: *Attagenus bitaeniatus* (Steinhel, 1869) (Nueva Zelanda); *Attagenus fasciatus* (Thunberg, 1795) (Is. Comores); *Attagenus lobatus* Rosenhauer, 1856 (Siria); *Attagenus robustior* (Pic, 1951) (Namibia); *Attagenus smirnovi* Zhantiev, 1973 (Tailandia); *Anthrenus (Anthrenus) goliath* Saulcy in Mulsant & Rey, 1868 (Libia); *Anthrenus (Anthrenus) oceanicus* Fauvel, 1903 (Polinesia francesa); *Anthrenus (Anthrenus) angustefasciatus* Ganglbauer, 1904 (Suiza); *Anthrenus (Anthrenops) coloratus* Reitter, 1881 (Italia: Is. Cerdeña); *Anthrenus (Anthrenodes) israelicus* Háva, 2004 (Argelia); *Anthrenus (Nathrenus) zahradniiki* Háva, 2003 (Grecia: Is. Chios); *Cryptorhopalum orbiculosum* Reitter, 1881 (Perú); *Dermestes (Dermestinus) loebli* Háva, 2002 (Jordanian); *Evorinea flava* (Motschulsky, 1863) (Israel); *Globicornis (Globicornis) luckowi* Herrmann, Háva & Kadej, 2011 (Italia); *Orphilus beali* Zhantiev, 2001 (Grecia: Is. Chios, Is. Skiatos); *Orphinus (Falsoorphinus) yeti* Háva, 2008 (India: Assam); *Orphinus (Orphinus) binotatus* Pic, 1937 (Is. Comores); *Phradonoma hirsutululum* (Reiche in Mulsant et Rey, 1868) (Yemen: Is. Socotra); *Phradonoma namibicum* Háva, 2005 (Namibia); *Phradonoma trizonatum* (Fairmaire, 1883) (Túnez); *Reesa vespulae* (Milliron, 1939) (Rumania); *Thaumaglossa nigricans* (MacLeay, 1871) (Australia: Territorio del Norte).

Palabras clave: Coleoptera, Dermestidae, Faunística, nuevos datos mundiales.

Recibido: 4 de febrero de 2013

Aceptado: 7 de febrero de 2013

Publicado on-line: 15 de febrero de 2013

Introduction

In this paper, the authors present new faunistic records of 23 species belonging to the family Dermestidae (Coleoptera). The article follows the six precedent articles published by authors (Herrmann & Háva 2007; Háva & Herrmann 2008, 2009, 2010, 2011; Háva *et al.* 2010).

Material and Methods

Species are arranged alphabetically, with the nomenclature and zoogeography according to Háva (2007). Locality labels are cited in the original version. Remarks of the authors are found in []. The following abbreviations refer to the collections in which the studied material is deposited:

- AHEC Private collection, Andreas Herrmann, Stade, Germany
 JHAC Private Entomological Laboratory and Collection, Jiří Háva, Únětice u Prahy, Prague-west, Czech Republic
 MHNG Muséum d' Histoire Naturelle, Genève, Switzerland
 NMPC National Museum, Prague, Czech Republic
 PZAC Private collection, Petr Zahradník, Prague, Czech Republic
 SMNS Staatliches Museum für Naturkunde, Stuttgart, Germany

Results

Subfamily Attageninae

Tribe Attagenini

Attagenus bitaeniatus (Steinhel, 1869)

Material examined: New Zealand, North Island, Auckland (city), on flowers, 7.I.2010, 1 ex., F. Ramírez leg., A. Herrmann det., (AHEC).

Distribution: Species known from Argentina, Brazil, Bolivia, Chile, Paraguay (Háva 2003). New introduced species for New Zealand.

Attagenus fasciatus (Thunberg, 1795)

Material examined: Comores Is., Mayotte, Mt. M' Sapéré, Res For Majimbini, 8.IX.1998, 1 ex., J. Sudre leg., J. Háva det., (MHNG); Comores Is., Mayotte, Massiv du Bénara, Tchaourembo Res. For., 8.IX.1998, 1 ex., J. Sudre leg., J. Háva det., (MHNG).

Distribution: Cosmopolitan species (Háva 2003, 2007). New locality data from Comores Is.

Attagenus lobatus Rosenhauer, 1856

Material examined: Syria, Halabiye, Ruinenfeld, 15.-17.VIII.1978, 1 female, R. Kinzelbach leg., A. Herrmann det., (AHEC).

Distribution: Species known from Bulgaria, Czech Republic (intr.), Greece, Italy, Sardinia, Spain, Turkey, north Africa, USA, Afghanistan, China, India, Iran, Iraq, Kazakhstan, Kyrgyzstan, Mongolia, Saudi Arabia, Tadzhikistan, Turkmenistan, United Arab Emirates and Uzbekistan (Háva 2007). New for Syria.

Attagenus robustior (Pic, 1951)

Material examined: Namibia, Okahandja, Swakopfluß Otjozondjupa, 13.II.2012, 1 female, H. Mühle leg., A. Herrmann det., (AHEC).

Distribution: Species known from Congo, Senegal and Tanzania (Háva 2003). New for Namibia.

***Attagenus smirnovi* Zhantiev, 1973**

Material examined: Thailand, Kanchanabury, Thong Pha Phum, 30.VI.-2.VII.1999, 1 female, M. Klícha leg., J. Háva det., (JHAC).

Distribution. Species known from Europe, Russia, Eritrea, Ethiopia, Kenya, Morocco, Sudan, Oman, Saudi Arabia (Háva 2003, 2007). New for Thailand.

Subfamily Dermestinae

Tribe Dermestini

***Dermestes (Dermestinus) loebli* Háva, 2002**

Material examined: Jordania: 16.III.1977, Wadi al 'Hassa, südl. Dhiban, Kings Road / I. Orient-Exkursion Inst. f. Zool. Mainz, Prof. R. Kinzelbach leg. Scheuern, 1 male, A. Herrmann det., (AHEC).

Distribution: Species known from Israel and Syria (Háva 2007), new for Jordania.

Subfamily Megatomiinae

Tribe Anthrenini

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

Material examined: Switzerland, Aargau kanton, Samerstorf, VII.2004, 3 exx., F. Neumann leg., J. Háva det., (2 PZAC, 1 JHAC).

Distribution: Species known from Algeria, Bosnia and Herzegovina, Croatia, Czech Republic, France, Italy, Morocco, Portugal, Spain, Serbia, Turkey (Háva 2007). New for Switzerland.

***Anthrenus (Anthrenus) goliath* Saulcy in Mulsant & Rey, 1868**

Material examined: Libya, Dj. Akhdar N of Al Bejda, Vadi Jarjaroma, 29.IV.1980, 2 exx., K. Hůrka leg., J. Háva det., (NMPC); Libya, Bengazi (garden), 11.IV.1979, 1 ex., K. Hůrka leg., J. Háva det., (NMPC).

Distribution: Species known from Armenia, Austria, Bosnia, Bulgaria, Croatia, Greece, Hungary, Italy, Macedonia, Montenegro, Portugal, Romania, Serbia, Sicilia, Spain, Turkey, Algeria, Egypt, Morocco, Tunisia, Syria (Háva 2007). New for Libya.

***Anthrenus (Anthrenus) oceanicus* Fauvel, 1903**

Material examined: French Polynesia, Tahiti, 17.VI.2011, 1 ex., F. Ramírez leg., A. Herrmann det., (AHEC).

Distribution: Species known from Czech Republic, England, Egypt, Congo, Mauritius, Nigeria, Reunion, Hawaiian Is., China: Guangdong, India: Andhra Pradesh, Tamil Nadu, Indonesia: Java, Madura, Malaysia, Pakistan, Sri Lanka, Taiwan, Australia, New Caledonia, Papua New Guinea (Háva 2003, 2007). New for French Polynesia.

Remarks: Fairmaire (1850) described from Tahiti two species *A. pacificus* Fairmaire, 1850 and *A. sparsutus* Fairmaire, 1850. According to the original descriptions the species *sparsutus* is very similar to the *oceanicus*. Status of the species is open, because deposition of type material of *sparsutus* is unknown.

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

Material examined: "Sardegna" [with no detailed data and collector], 1 spec., V. Kalík det. 1990, A. Herrmann revid., (SMNS).

Distribution: Species known from Europe, Canary Is., Turkey, Algeria, Egypt, Eritrea, Guinea, Morocco, Namibia, South Sudan, Sudan, Tunisia, USA, Afghanistan, India, Iran, Israel, Iraq, Japan, Kazakhstan, Kyrgyzstan, Oman, Qatar, Saudi Arabia, Syria, Tadzhikistan, Turkmenistan, United Arab Emirates, Yemen (Háva 2003, 2007). New for Sardegna Is.

***Anthrenus (Anthrenodes) israelicus* Háva, 2004**

Material examined: Algeria mer. or., Tassili Mts. Djanet-env., 1200 m, 4 exx., M. Kadej det., (SMNS).

Distribution: Species known from Egypt: Sinai and Israel. New for Algeria.

***Anthrenus (Nathrenus) zahradniki* Háva, 2003**

Material examined: Greece, Chios Is. E, Giari beach, N of Vrontados, 4.VII.2011, 5 exx., P. Bulirsch leg., J. Háva det., (JHAC).

Distribution: Species recently described from Turkey. New for Greece.

Tribe Megatomini

***Cryptorhopalum orbiculosum* Reitter, 1881**

Material examined: Peru, dep. Cuzco 15 km S Quillabamba, 2 km W Chaullay, 13°00' S, 72°40' W, 1284 m, 3.VI.2007, 1 male, R. Constantin leg., A. Herrmann & J. Háva det., (AHEC).

Distribution: Species known from Antilles Isl.: St. Lucia, Colombia, French Guiana, Panama, Venezuela (Háva 2003). New for Peru.

***Globicornis (Globicornis) luckowi* Herrmann, Háva & Kadej, 2011**

Material examined: NW Italy: Limone Piemonte, VII.1915, G. Mantero [Piemonte region, Cuneo province], 1 female, J. Háva det., (JHAC); Casella, Valle Scrivia, VI.1937, C. Mancini [Liguria region, Genova [= Genoa] province, Casella [=municipality], Valle Scrivia [=Valley of torrent Scrivia], 1 female, J. Háva det., (JHAC).

Distribution: Species recently described from Switzerland. New for Italy.

Remarks: The females differ from males by the structure of antennal club; terminal antennal segment is small, rounded. From very visually similar species *Globicornis (Globicornis) nigripes* (Fabricius, 1792) differs by the entirely light brown antennae and shiny brown pronotum and elytra.

***Orphinus (Falsoorphinus) yeti* Háva, 2008**

Material examined: NE India, Assam, 5 km N of Umrongso, 700 m, 25°27' N 92°43' E, 17-25.V.1999, 1 female, J. Rolčík leg., J. Háva det., (JHAC).

Distribution: Species recently described from Nepal. New for India: Assam.

***Orphinus (Orphinus) binotatus* Pic, 1937**

Material examined: Comores Is., Mayotte, Hamouro, plage de Sakouli (detritus), VIII.1998, 2 spec., J. Sudre leg., J. Háva det., (MHNG, JHAC).

Distribution: Species known from Madagascar, Reunion, Tanzania: Zanzibar (Háva 2003). New for Comores Is.

Phradonoma hirsutulum (Reiche in Mulsant et Rey, 1868)

Material examined: Yemen, Socotra Is., Dixam plateau, Firmihin (Dracaena forest), 12°28.6' N 54°01.1' E, 490 m, 15-16.XI.2010, 1 male, J. Bezděk leg., (NMPC).

Distribution: Species known from Israel, Saudi Arabia, Syria, Turkmenistan, United Arab Emirates, Yemen (Háva 2007). New for Socotra Is.

Phradonoma namibicum Háva, 2005

Material examined: Namibia, Hardap, Wasserfall auf Farm (waterfall on farm), Maltahöhe 60 km W, 1.451 m, 24°57.206', 016°22.317', 17.II.2012, 1 female, 1 male, H. Mühle leg., A. Herrmann det., (AHEC).

Distribution: Species recently described from Namibia. New locality data from Namibia.

Phradonoma trizonatum (Fairmaire, 1883)

Material examined: Tunisia, Gafsa-El Guetar, 19-20.V.1993, 1 ex., J. Batelka leg., V. Kalík det. 1994 as *Phradonoma* sp.?, J. Háva det., (NMPC).

Distribution: Species known from Algeria and Morocco (Háva 2007). New for Tunisia.

Reesa vespulae (Milliron, 1939)

Material examined: Romania, Moldova, Iasi, 7.IV.2012, 47.163370°/ 27.566433°, ~ 40 m alt., inside a house, Pintilioaie, Alexandru Mihai leg., 1 female, A. Herrmann det., (AHEC).

Distribution: Species known from Europe, Algeria, Egypt, Morocco, Tunisia, Canada, Mexico, USA, Chile, Afghanistan, Japan, Russia, Australia, New Zealand (Háva 2003, 2007). New locality data from Romania.

Thaumaglossa nigricans (MacLeay, 1871)

Material examined: Australia, Northern Territory, 40 km W of Katherine, 63 m, 13°15' S 130°44' E, 28.XI.2008, 1 male, Sv. Bílý leg., J. Háva det., (NMPC).

Distribution: Species known from Australia: New South Wales, Queensland and Papua New Guinea (Háva 2003). New for Northern Territory.

Subfamily Trinodinae

Tribe Trinodini

Evorinea flava (Motschulsky, 1863)

Material examined: Israel, Kinneret north Upper Galilee, close Kfar Nahum, 23.V.2010, 1 female, C. Drees leg., J. Háva det., (AHEC).

Distribution: Species known from Egypt, Eritrea, Sudan, Tunisia, Syria and Israel (Háva 2007). New recent locality data from Israel.

Subfamily Orphilinae

Tribe Orphilini

Orphilus beali Zhantiev, 2001

Material examined: Greece, Chios Is. SE, Agia Fotini beach env., 5-9.VII.2011, 2 exx., P. Bulirsch leg., J. Háva det., (JHAC); Greece, Chios Is. S, Kato Fana, nr Pyrgi, 3.VII.2011, 2 exx., P. Bulirsch leg., J. Háva det., (JHAC); Greece, Chios Is. SE, Emporios env., 1-12.VII.2011, 4 exx., P. Bulirsch leg., J. Háva det., (JHAC); Greece, Chios Is. E, Giari beach, N of Vrontados, 4.VII.2011, 1 ex., P. Bulirsch leg., J. Háva det., (JHAC); Greece, Skiatos Is. S, Vromolimnos env., 4.VII.2012, 16 spec., P. Bulirsch leg., J. Háva det., (JHAC).

Distribution: Species known from Crete, Cyprus, France, Greece, Montenegro, Portugal, Spain, Turkey, Iraq, Israel, Jordania, Lebanon, Syria (Háva 2007). New faunistic data, Greece: Chios Is.

Acknowledgements

We would like to thank to all mentioned collectors for loaning or providing the material for this study. This research was supported by the Internal Grant Agency (IGA n.20124364), Faculty of Forestry and Wood Sciences, Czech University of Life Sciences Prague.

References

- Fairmaire, L. 1850. Essai sur les Coléoptères de la Polynésie. (Suite et fin). *Revue et Magasin de Zoologie pure et appliquée* (2)2: 181-185.
- Háva, J. 2003. *World Catalogue of the Dermestidae (Coleoptera)*. Studie a Zprávy Oblastního Muzea Praha východ v Brandýse nad Labem a Staré Boleslavi Supplementum 1: 1-196.
- Háva, J. 2007. *Dermestidae*, pp. 57; 299-320. In: Löbl I. & Smetana A. (eds.): *Catalogue of Palearctic Coleoptera. Volume 4. Elateroidea, Derodontoidea, Bostrichoidea, Lymexyloidea, Cleroidea and Cucujoidea*. Apollo Books, Stenstrup: 1-935.
- Háva, J. & Herrmann, A. 2008. New faunistic records of Dermestidae (Coleoptera). *Calodema Supplementary Paper* 75: 1-3.
- Háva, J. & Herrmann, A. 2009. New faunistic records of Dermestidae (Coleoptera) - 3 part. *Latvijas Entomologs* 47: 3-5.
- Háva, J. & Herrmann, A. 2010. New faunistic records of Dermestidae (Coleoptera) - 4 part. *Latvijas Entomologs* 48: 76-79.
- Háva, J. & Herrmann, A. 2011. New Faunistic Records of Dermestidae (Coleoptera) - Part 6. *Boletín de la Sociedad Entomológica Aragonesa* 49: 227-228.
- Háva, J.; Herrmann, A. & Kadej, M. 2010. New faunistic records of Dermestidae (Coleoptera) - 5 part. *Latvijas Entomologs* 49: 28-31.
- Herrmann, A. & Háva, J. 2007. New faunistics records of Dermestidae (Coleoptera). *Acta Entomologica Musei Nationalis Pragae* 47: 123-125.