

Contribution to the occurrence of Dermestidae (Coleoptera) in Lebanon

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Abstract – The following species of Dermestidae are recorded for the first time from Lebanon: *Anthrenus* (*Nathrenus*) *zabradniki* Háva, 2003, *Ctesias* (*Decemctesias*) *syriaca* Ganglbauer, 1904, *Dermestes* (*Dermestinus*) *sardous asiaticus* Háva, 2002, *Dermestes* (*Montandonia*) *olivieri* Lepesme, 1939, *Globicornis* (*Globicornis*) *picta* (Küster, 1851), *Megatoma* (*Megatoma*) *ruficornis* Aubé, 1866, *Orphilus niger* (Rossi, 1790).

Key words – Faunistics, skin beetles, Middle East, new records

INTRODUCTION

Within the framework of a mutual agreement between the Holy Spirit University of Kaslik (USEK; Kaslik, Jounieh, Lebanon) and the Hungarian Natural History Museum (HNHM; Budapest, Hungary) for exploring biodiversity, entomological trips were organised between 19–27 May, 2015 and 16–29 of June, 2016 visiting Mount Lebanon. While identifying the material of Dermestidae (Coleoptera) collected during these trips several species representing new country records were found.

The following abbreviations refer to the collections in which the investigated material is deposited: HNHM = Hungary Natural History Museum, Coleoptera Collection, Budapest, Hungary; JHAC = Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic; PCNN = private collection of Nabil Nemer, Tannourine, Lebanon.

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All specimens have been identified by the senior author. The species are arranged in alphabetical order within the subfamilies. The nomenclature and distribution follows HÁVA (2015).

FAUNISTICS

Subfamily Dermestinae

Dermestes (Dermestinus) sardous asiaticus Háva, 2002

Material examined – Lebanon, Tannourine, 24.IV.2016, leg. Nabil Nemer, 1 male (HNHM).

Distribution – Turkey, Iran, Israel, Jordan, Syria. New for Lebanon.

Dermestes (Dermestinus) undulatus Brahm, 1790

Material examined – Lebanon, Northern gov., Tannourine env., 2 km N Harissa, Fuvar, stream valley, swept, 34° 12' 22" N, 35° 55' 17" E, 1460 m, 27.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 26), 1 female (HNHM); Lebanon, Salima 2, *Pinus pinea* ecosyst., 8.II.1997, 10.106, leg. Nemer, 1 female (PCNN).

Distribution – Holarctic.

Dermestes (Montandonia) olivieri Lepesme, 1939

Material examined – Lebanon, Kornayel (1), *Pinus pinea* ecosyst., 7.VI.1997, leg. Masri, Routier & Nemer, Lebanon Ref 14C, IIE 23988, 1 male (HNHM). The specimen has been provided with a label reading "*Dermestes* sp. *ater* Degeer, det. R. G. Booth, 1999".

Distribution – Central and South Europe, Armenia, Cyprus, Georgia, Iran, Ukraine, Russia, Syria, Turkey, Turkmenistan, Tunisia. New for Lebanon.

Subfamily Megatominae

Anthrenus (Anthrenus) munroi Hinton, 1943

Material examined – Lebanon, Northern gov., Ehden, Horsh Ehden Natural Reserve, swept & singled, 34° 18' 33" N, 35° 59' 14" E, 1525 m, 19.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 9), 3 specimens (2 HNHM, 1 PCNN).

Distribution – Bulgaria, Cyprus, France (including Corsica), Italy (Sardinia), Macedonia, Portugal, Spain, Turkey, Ukraine (Crimea), Algeria, Libya, Morocco, Tunisia, Israel, Jordan, Lebanon, Syria.

Anthrenus (Florilinus) loebli Kadej et Háva, 2010

Material examined – Lebanon, Northern gov., Bcharre env., Quadisha Valley, swept & singled from vegetation, 34° 14' 57" N, 35° 58' 34" E, 970 m, 23.VI.2016, leg. A. Kotán & W. Yammine (No. 17), 2 specimens (HNHM).

Distribution – Israel, Jordan, Lebanon.

Anthrenus (Nathrenus) bulirschi Háva, 2000

Material examined – Lebanon, Northern gov., 7 km NE Batroun, Qnat, macchia, swept & singled, 34° 15.323' N, 35° 53.667' E, 1195 m, 18.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 5), 2 specimens (HNHM); Lebanon, Northern gov., Bcharre env., Quadisha Valley, swept & singled from vegetation, 34° 14' 57" N, 35° 58' 34" E, 970 m, 22.VI.2016, leg. M. Bostani, A. Kotán, P. Nemes, T. Németh & W. Yammine (No. 15), 2 specimens (1 HNHM, 1 JHAC).

Distribution – Greece, Turkey, Israel, Jordan, Lebanon, Syria.

Anthrenus (Nathrenus) verbasci (Linnaeus, 1767)

Material examined – Lebanon, Northern gov., Bcharre env., 1 km E Ariz, Horsh Arz el-Rab, ancient *Cedrus* forest, swept & singled, 34° 14' 33" N, 36° 2' 59" E, 1900 m, 20.VI.2016, leg. A. Kotán, P. Nemes, T. Németh (No. 11), 9 specimens (5 HNHM, 4 PCNN); Lebanon, Northern gov., Tannourine env., 2 km N Harissa, Fuvar, stream valley, swept & singled, 34° 12' 22" N, 35° 55' 17" E, 1460 m, 17.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 2), 1 specimen (HNHM); Lebanon, Northern gov., 7 km NE Batroun, Qnat, macchia, swept & singled, 34° 15.323' N, 35° 53.667' E, 1195 m, 18.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 5), 1 specimen (HNHM); Lebanon, Northern gov., Bcharre env., Quadisha Valley, swept, 34° 14' 57" N, 35° 58' 34" E, 970 m, 27.V.2015, leg. M. Bostani, A. Márkus, T. Németh & M. Rehayem, 2 specimens (HNHM).

Distribution – Cosmopolitan.

Anthrenus (Nathrenus) zahradniki Háva, 2003

Material examined – Lebanon, Northern gov., Ehden, Horsh Ehden Natural Reserve, swept & singled, 34° 18' 33" N, 35° 59' 14" E, 1525 m, 19.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 9), 1 specimen (HNHM).

Distribution – Greece, Turkey. New for Lebanon.

Ctesias (Decemctesias) syriaca Ganglbauer, 1904

Material examined – Lebanon, Northern gov., 7 km NE Batroun, Qnat, ma-cchia, wine trap, 34° 15.323' N, 35° 53.667' E, 1195 m, 18.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 5/a), 11 specimens (5 HNHM, 3 JHAC, 3 PCNN); Lebanon, Northern gov., Tannourine env., 2 km N Harissa, Tannourine Cedars Nat. Reserve, swept & singled, 34° 12' 22" N, 35° 55' 17" E, 1750 m, 16.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 1), 2 specimens (HNHM); Lebanon, Kornayel (2), *Pinus pinea* ecosyst., 25.VII.1997, leg. M. Saghie & N. Nemer, 2 specimens (HNHM).

Distribution – Turkey, Israel, Syria. New for Lebanon.

Globicornis (Globicornis) picta (Küster, 1851)

Material examined – Lebanon, Northern gov., 7 km NE Batroun, Qnat, ma-cchia, wine trap, 34° 15.323' N, 35° 53.667' E, 1195 m, 18.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 5), 1 specimen (HNHM); Lebanon, Northern gov., Tannourine env., 2 km N Harissa, Fuvar, stream valley, swept & singled, 34° 12' 22" N, 35° 55' 17" E, 1460 m, 17.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 2), 3 specimens (2 HNHM, 1 JHAC).

Distribution – Czech Republic, Slovakia, Hungary, Italy (including Sardinia and Sicily), all countries of the Balkan Peninsula, Armenia, Cyprus, Turkey, Egypt, Israel, Jordan. New for Lebanon.

Megatoma (Megatoma) ruficornis Aubé, 1866

Material examined – Lebanon, Northern gov., Tannourine env., 2 km N Harissa, Tannourine Cedars Nat. Reserve, swept & singled, 34° 12' 22" N, 35° 55' 17" E, 1750 m, 19.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 26), 2 females (1 HNHM, 1 JHAC).

Distribution – France, Slovakia, Hungary, Italy, Spain, Ukraine, Serbia, Greece (including Crete), Cyprus, Turkey. New for Lebanon.

Subfamily Orphilinae

Orphilus beali Zhantiev, 2001

Material examined – Lebanon, Northern gov., Ehden, Horsh Ehden Natural Reserve, swept & singled, 34° 18' 33" N, 35° 59' 14" E, 1525 m, 19.VI.2016, leg. A. Kotán, P. Nemes & T. Németh (No. 9), 2 specimens (HNHM).

Distribution – Portugal, Spain, France, Croatia, Cyprus, Greece (including Crete), Montenegro, Turkey, Iraq, Israel, Jordan, Lebanon, Syria.

Orphilus niger (Rossi, 1790)

Material examined – Lebanon, Northern gov., 5 km NW Nahr Ibrahim Khdayra, riverside, swept., 34° 5.112' N, 35° 41.602' E, 21.VI.2016, leg. P. Nemes, T. Németh & W. Yammine (No. 13), 10 specimens (6 HNHM, 1 JHAC, 3 PCNN).

Distribution – Species known from Europe, Cyprus, Turkey, Algeria, Tunisia, Egypt, Kyrgyzstan, Tadzhikistan, Uzbekistan. New for Lebanon.

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REFERENCES

HÁVA J. 2015: *World catalogue of insects. Volume 13. Dermestidae (Coleoptera)*. – Brill, Leiden/Boston, xxvi + 419 pp.