

New records on the distribution of some species of the family Eucnemidae (Coleoptera)

Josef MERTLIK ¹⁾, Ivo JENIŠ ²⁾ & Bořivoj ZBUZEK ³⁾

1) Pohřebačka 34, CZ-533 45 Opatovice nad Labem, Czech Republic

mertlik@elateridae.com

2) Náklo 342, CZ-783 32, Czech Republic

ivojenis@seznam.cz

3) Tuniská 634, CZ-160 00 Praha 6, Czech Republic

zbuzek@elateridae.com

Abstract. New distributional data concerning 11 species of the family Eucnemidae Eschscholtz, 1829 from Palaearctic region, in accordance with Muona (2007), are provided. *Clypeorhagus clypeatus* (Hampe, 1850) - first record for Russia: Far East; *Dromaeolus barnabita* (A. Villa & J. B. Villa, 1838) - first records for Ukraine and Turkey; *Dromaeolus maronita* Bonvouloir 1871 - first records for Greece; *Epiphanis cornutus* Eschscholtz, 1829 - first record for Turkey; *Hylis cariniceps* (Reitter, 1902) - first record for Spain; *Hylis olexai* (Palm, 1955) - first records for Hungary and Russia: South European Territory; *Hylis simonae* (Olexa, 1970) - first record for Italy; *Microrhagus emyi* (Rouget, 1856) - first records for Slovenia, Bulgaria, Greece and Russia: South European Territory; *Microrhagus pectinicornis* (Hisamatsu, 1960) - first record for Russia: Far East; *Rhacopus sahlbergi* (Mannerheim, 1823) - first records for Serbia and Turkey; *Xylophilus leseigneuri* Olexa, 1960 - first records for Ukraine and Russia: South European Territory.

Key words: Distribution, Coleoptera, Eucnemidae, Palaearctic Region, *Clypeorhagus*, *Dromaeolus*, *Epiphanis*, *Hylis*, *Microrhagus*, *Rhacopus*, *Xylophilus*

Clypeorhagus clypeatus (Hampe, 1850)

Specimen studied. Russia, Primorie reg., Ussuriysk distr., near Kaimanovka village, 5.- 25.vii.2000, 1 ♀, Sokolov leg., J. Mertlik coll.

Distribution. Germany, Hungary, Latvia, Poland, Romania, Russia: Central European Territory, Slovakia, Ukraine (Muona 2007).

First record for Russia: Far East.

Dromaeolus barnabita (A. Villa & J. B. Villa, 1838)

Specimens studied. Ukraine, Crimea, Perevalanoe env., Bal-Kaya mt., oaken forest (44°49'08.92" N, 34°21'56.47" E), 14.vi.2007, 1 ♀, J. Mertlik leg. et coll.; Turkey, prov. Zonguldag, Amasra env., pass SW of city, beechen forest (41°43'25.88" N, 32°22'01.42" E), 21.vi.2006, 1 ♂, J. Mertlik leg. et coll.; Turkey, prov. Rize, Üsküt Dağı mts., 3 km SW of Çamlıhemşin, beechen forest (41°02'01.15" N, 41°00'28.52" E), 26.vi.2006, 1 ♀, J. Mertlik leg. et coll.; Turkey, prov. Giresun, ca 20km S of Giresun, 280m, (40°45'21 N, 38°26'30 E), field edge, hazel-wood, 28.vii.2006, 1 ♀, M. Schülke leg., A. Pütz coll. (Eisenhüttenstadt, Germany), J. Mertlik det. 2007.

Distribution. Algeria, Austria, Bosnia and Herzegovina, Croatia, Czech Republic, France, Germany, Hungary, Italy, Poland, Romania, Russia: Central European Territory, Slovakia, Sweden. (Muona 2007).

First records for Ukraine and Turkey.

Dromaeolus maronita Bonvouloir, 1871

Specimens studied. Greece, Peloponnesos, Lotra Kalafa, 15.vi.1991, 1 ♀, Kapler leg., A. Olexa det., J. Mertlik coll.; Greece, Peloponnesos, Arhea Olympia (37°38'27.04" N, 21°37'52.64" E), xi.1991, more cadavers in rot wood of pine-tree, J. Mertlik observ.; Greece, Peloponnesos, Zaháro env., Katafa (37°31'22.41" N, 21°35'15.00" E), 10.vii.1996, 1 ex., V. Dušánek leg., J. Vávra coll. (Ostrava, Czech Republic), J. Mertlik det. 1996.

Distribution. Russia: Central European Territory „Caucasus“ (Muona 2007); Turkey: Taurus (Reitter 1921).
First records for Greece.

Epiphanis cornutus Eschscholtz, 1829

Specimen studied. Turkey, prov. Rize, valley to Ovitdađı Geçidi pass, between Dereköy and Sivrikaya villages, hotel Çamlık env. (40°42'26.01" N, 40°38'43.46" E), 24.vi.2006, 1 ♂, on the pasture alongside spruces forest, Bořivoj Zbuzek leg., J. Mertlik coll.

Distribution. Algeria, Bulgaria, France; Asia: China, Russia: Far East, Japan; Nearctic region (Muona 2007).

First record for Turkey.

Hylis cariniceps (Reitter, 1902)

Specimen studied. Spain, prov. Lugo, 9 km SE of Sarria, Samos env., ancient chestnut grove (42°44'10.42" N, 7°19'48.76" E), 16.vi.2005, 1 ♀, J. Mertlik leg. et coll.

Distribution. Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Finland, France, Germany, Great Britain, Greece, Hungary, Italy, Liechtenstein, Luxembourg, Norway, Poland, Romania, Slovakia, Sweden, Switzerland, The Netherlands (Muona 2007).

First record for Spain.

Hylis olexai (Palm, 1955)

Specimens studied. Russia, Caucasus, Karatchaev - Cherkessia reg., Uzunkoi Canon, 11.vii.1999, 1 ♀, Kasatkin leg., J. Mertlik coll.; Hungaria mer., Mecsek – Abaliget, 23.- 30.vii.1990, 4 ♂♂, 8 ♀♀, in rot wood of alder, A. Sieber leg., A. Sieber (Klatovy, Czech Republic) et J. Mertlik coll.

Distribution. Austria, Belgium, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Italy, Latvia, Liechtenstein, Luxembourg, Poland, Romania, Russia: Central European Territory, Slovakia, Sweden, The Netherlands (Muona 2007).

First records for Hungary and Russia: South European Territory.

Hylis simonae (Olexa, 1970)

Specimen studied. Italy, Emilia (HO), loc. Fanano, 22.vii.1982, 1 ♂, G. Zappi leg., J. Mertlik coll., J. Muona det.

Distribution. Bulgaria, France, Hungary, Spain (Muona 2007).

First record for Italy.

Microrhagus emyi (Rouget, 1856)

Specimens studied. Slovenia centr., 5 km NW of Litija, Sava river, 16.vi.2003, 1 ♂, J. Mertlik leg. et coll.; Bulgaria or., Nessebar - Sunny Beach, vi.1964, 1 ♂, J. Strejček leg. et coll., A. Olexa det. 1970, J. Mertlik rev. 2007; Greece, Peloponnesos, Lefktro, 3.vii.1996, 1 ♂, V. Duřánek leg., J. Mertlik coll.; Russia, Caucasus, Sotchi env., Akhun mt. 600m, 20.vi.1986, 1 ♂, J. Strejček leg., det. et coll., J. Mertlik rev. 2007.

Distribution. Austria, Croatia, Czech Republic, France, Italy, Germany, Hungary, Poland, Romania, Russia: Central European Territory, Slovakia, Spain, Sweden, Switzerland, Ukraine, „Yugoslavia“ (Muona 2007).

First records for Slovenia, Bulgaria, Greece and Russia: South European Territory.

Microrhagus pectinicornis (Hisamatsu, 1960)

Specimen studied. Russia, Ussuri, Anisimovka, 1.-10.vii.1995, 1 ex., O. řauřa leg., R. Otto det. et coll. (Suring, WI, USA).

Distribution. Japan (Muona 2007).

First record for Russia: Far East.

Rhacopus sahlbergi (Mannerheim, 1823)

Specimens studied. Serbia, Majdanpek, 4.vi.2007, 1 ♂, R. Udrřal leg., J. Mertlik coll.; Turkey, Mengen, Eskiçađa, 13.vi.2001, 1 ♂, M. řarovec leg., J. Mertlik coll.

Distribution. Austria, Bosnia and Herzegovina, Belarus, Croatia, Estonia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Poland, Romania, Russia: Central European Territory, Russia: North European Territory, Slovakia, Sweden, Russia: west Siberia, Mongolia (Muona 2007).

First records for Serbia and Turkey.

Xylophilus leseigneuri Olexa, 1960

Specimens studied. Ukraine, Crimea, Ai-Petri plain, 2 km W of Ai-Petri mt. (44°26'55.93" N, 34°02'44.17" E), 8.vi.2007, 2 elytra, in rotten stump of pine, V. Dušánek leg., J. Mertlik coll.; dtto, 1 ♂, J. Mertlik leg. et coll.; Russia, Caucasus bor., Teberda, VI. 1912, 1 ♂, J. Roubal leg., Entomological Department of National Museum coll. (Prague, Czech Republic), J. Mertlik det. 2007.

Distribution. Georgia (Muona 2007).

First records for Ukraine and Russia: South European Territory.

References

MUONA J. 2007: Family Eucnemidae, pp. 81-86. In LÖBL I. & SMETANA A. (eds.): *Catalogue of Palaearctic Coleoptera, Vol. 4. Elateroidea - Derodontoidea - Bostrichoidea - Lymexyloidea - Cleroidea - Cucujoidea*. Apollo Books, Stenstrup, 935 pp.

REITTER E. 1921: Bestimmungstabelle der Trixagidae, Eucnemidae, Cerophytidae und Phylloceridae der palaearktischen Fauna. *Wiener Entomologische Zeitung*, 38 (4-8): 65-90.

Picture atachment



Fig. 1. Turkey, prov. Rize, valley between Dereköy and Sivrikaya villages - biotope of *Epiphanis cornutus*.



Fig. 2. Spain, prov. Lugo, Samos env., ancient chestnut grove - biotope of *Hylis cariniceps*.



Fig. 3. Ukraine, Crimea, Ai-Petri plain - biotope of *Xylophilus leseigneuri*.



Fig. 4. Rotten stump of pine - biotope of *Xylophilus leseigneuri* at Ai-Petri plain.



Fig. 5. Greece, Poloponnesos, Zaháro env., Katafa - biotope of *Dromaeolus maronita*.