

New Country Records and Rare and Interesting Species of Coleoptera from the Balkan Peninsula

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Abstract: The present article provides 27 new county records for five countries on the Balkan Peninsula: Albania (two records), Bulgaria (twelve), European part of Turkey (one), Greece (three) and Republic of Macedonia (nine). New data on the distribution of taxa of the families Carabidae, Georissidae, Hydrophilidae, Histeridae, Leiodidae, Geotrupidae, Trogidae, Scarabaeidae, Erotylidae, Silvanidae, Bothrideridae, Cerylonidae, Tenebrionidae, Salpingidae and Curculionidae are reported. Four species and subspecies, as well as the genera *Xestipyge* (Histeridae) and *Cyrtusamorpha* (Leiodidae), are recorded for first time from the Balkan Peninsula. In addition, new data for four species from the Balkan part of Romania are given. Some rare species, without precise data about their distribution or species doubtful for some country in the region are also included and we give additional information and/or confirm their presence. This work includes altogether 34 species and subspecies belonging to 15 families of the order Coleoptera.

Key words: Balkan Peninsula, country records, Coleoptera

Introduction

Order Coleoptera is the most diverse organism group in the world, comprising one quarter of all existing species, distributed among all types of habitats (LIEBHERR & MCHUGH 2003). The Balkan Peninsula is considered as one of the main hot-spots in Europe due to both historical events and diverse ecological conditions, which could be the supposed reasons for the presence of many endemic species in the region (GASTON & DAVID 1994, MARTÍNEZ-RICA 1998). On the other hand, the faunal inventory efforts have not been carried out evenly both among the countries in the region and among the different taxonomic groups within Coleoptera. Here we try to fill partly the gaps in the distributional data of particular groups through expanding the known areas of distribution of some species.

Material and Methods

The material examined has been collected during the field work within several projects. Sampling was carried out using different methods: manual sampling, pitfall traps, baited pitfall traps, light traps, and sifting leaf litter and food debris. For many species, together with the information for the new country records, we provide additional new data for other countries. This information could be useful for other purposes: distributional models, regional/local faunal lists, etc. The sampling methods are mentioned in most cases for each particular finding described in the 'Results' chapter. Family level classification and order are following BOUCHART *et al.* (2011). The names of the first two authors collected material are noted with their abbreviations while the authors who determined the species are given with their full family names.

Abbreviations used in the text:

s. – specimen(s); sp. – species; f. – female; m. – male.
env. – environs; prov. – province, Vill. – village.
B.G. – BORISLAV GUÉORGUIEV, Sofia, Bulgaria.
E.Ch. – EVGENI CHEKLAROV, Sofia, Bulgaria.
cLF – coll. LUCA FANCELO, Caglari, Italy
cSH – coll. SLAVČO HRISTOVSKI, Skopje, Macedonia
cWB – coll. Wolfgang BEIER, Berlin, Germany
IBER – Institute of Biodiversity and Ecosystem Research, Sofia, Bulgaria
NMNHS – National Museum of Natural History, Sofia, Bulgaria
MNCN – Museo Nacional de Ciencias Naturales, Madrid, Spain
NMPC – Národní museum, Prague, Czech Republic
BAS – Bulgarian Academy of Sciences.

Results and Discussion

Family Carabidae (det. B. Guéorguiev & S. Hristovski)

Chlaenius (Trichochlaenius) aeneocephalus aeneocephalus DEJEAN, 1826

Material examined: MACEDONIA: Ovče Pole, v. Stanjevci, Gorni Geren, 370 m a.s.l., saline wetland, 18.III.2012, 1 m., leg. S. HRISTOVSKI (cSH); Ovče Pole, v. Kjoseleri, Dolni Livadi, 245 m a.s.l., wet meadow, 18.III.2015, 3 m., 3 f., leg. S. HRISTOVSKI (cSH). Notes: Both the subgenus *Trichochlaenius* SEIDLITZ, 1887 and the species *Chlaenius aeneocephalus* are new for the fauna of Macedonia.

Laemostenus (Pristonychus) euxinicus NITZU, 1998

Material examined: BULGARIA: South Dobrodzha, west of Balgarevo Vill., N43.40833, E28.38540, 90 m a.s.l., 30.III-29.IV.2012, 2 f., soil traps in semi-steppe habitat, limestone terrain, leg. B.G. & E.Ch. (NMNHS). Notes: This species has been described from the Romanian part of Dobrodzha (NITZU 1998) and up to now it was known only from Romania (CASALE 2003). Its type locality is approximately 48 km NNE from the new finding near Balgarevo. First record for Bulgaria.

Lebia (Lamprias) chlorocephala (J.J. HOFFMANN, 1803)

Material examined: GREECE: Eastern Macedonia and Thrace prov., outflow of Mesta [= Nestos] River, 7.XI.1942, 1 m., leg. N. VIHODCEVSKY (NMNHS). Notes: ARNDT (2011) included nine species of *Lebia* LATREILLE 1802 in the catalogue of the Greek Carabidae. The last version of Fauna Europaea (VIGNA TAGLIANTI 2013) listed only seven species of the genus for Greece. However, neither of them has included *L. chlorocephala*. First record for Greece. Together with the above male, a female of *Lebia lepida* BRULLÉ, 1834 (NMNHS), a species that has been noted for Greece (ARNDT 2011), was collected from the same locality.

Microlestes plagiatus (Duftschmid, 1812)

Material examined: MACEDONIA: Kičevo, 5.IV.1971, 1 f., leg. P. BERON (NMNHS). Notes: First record for the Republic of Macedonia.

Ophonus (Metophonus) brevicollis
(Audinet-Serville, 1821)

Material examined: MACEDONIA: Mangovica Mountain, Šarenkovec, 560 m a.s.l., 18.IV.2005, 1 m., leg. S. HRISTOVSKI (cSH). Notes: HRISTOVSKI & GUÉORGUIEV (2015) reported 11 species of the subgenus *Metophonus* from Macedonia. *Ophonus brevicollis* is distributed in Europe and in Asian Turkey, and for the Balkans it is recorded from Albania, Bulgaria, Croatia, Greece, Serbia and Slovenia (KATAEV *et al.* 2003, ČURČIĆ *et al.* 2007). First record for the Republic of Macedonia.

Pedius inquinatus (STURM, 1824)

Material examined: MACEDONIA: Ovče Pole, v. Dorfulija, Gjuzumliska Reka, Dolni Livadi, sandy bank, 265 m a.s.l., 23.V.2015, 1 m., leg. S. HRISTOVSKI (cSH). Notes: The only other representative of the genus, *Pedius longicollis* (DUFTSCHMID, 1812), was recorded recently from Macedonia (HRISTOVSKI & GUÉORGUIEV 2015). *Pedius inquinatus* was listed previously for the country in Fauna Europaea (VIGNA TAGLIANTI 2013) but it has been omitted for it in the latest catalogue (HRISTOVSKI & GUÉORGUIEV 2015). Thus, we treat the finding near Dorfulija as the first species record for the Republic of Macedonia.

Pterostichus (Phonias) apfelbecki CSIKI, 1908

Material examined: MACEDONIA: Vlaina Planina, Judovi Livadi, 1190 m a.s.l., peat bog, 24.VI.2015, 1 f., leg. S. HRISTOVSKI (cSH). Notes: *Pterostichus apfelbecki* is a rare species with disjunct distribution in wetlands of Europe and the Asian part of Turkey. In Europe it is known from Albania, Croatia, France and Georgia (BOUSQUET 2003). First record for the Republic of Macedonia. Judovi Livadi is an interesting locality due to the presence of peat bogs at lower altitudes and some rare plant species (e.g. *Drosera rotundifolia*). Therefore, this locality was proposed for protection (MELOVSKI *et al.* 2010).

Tachyura (Tachyura) thoracica (KOLENATI, 1845)

Material examined: BULGARIA: “Umg. Burgas / Ost-Bulgarien Bach von Las, Schotterufer 14.V.1999, Handfang leg. W. Beier (Germany)”, 1 f. (cWB); “Umg. Burgas / Ost-Bulgarien “Kosulka”-Bachufer, Elenite 15.V.1999, Handfang leg. W. Beier (Germany)”, 1 f. (cWB). Notes: New species for Bulgaria. The above two specimens have originally been determined by D. WRASE (Berlin, Germany) and then the identification was confirmed by B.G.

Family Georissidae (det. E. CHEKLAROV)

Georissus (Neogeorissus) costatus LAPORTE DE CASTELNAU, 1840

Material examined: BULGARIA: East Rhodopes, near Meden buk Vill., on the bank of Byala Reka River, (N41.369756, E26.054418), 115 m a.s.l., 11.VI.2009, 8 s. on sandy river bank, leg. B.G. (NMNHS); Shumensko plato, (N43.244521, E26.911247), 480 m a.s.l., 11.VI.2012, 1 s. on light, leg. B.G. & E.Ch. (IBER). Notes: Species distributed in Southern Europe, Central Russia to West Siberia. Known also from North Africa, Asia Minor, Israel (FIKÁČEK & PRZEWOŹNY 2015). Regarding the Balkan

countries, the species was recorded only from Greece. First record for Bulgaria.

Family Hydrophilidae (det. E. CHEHLAROV)

Cryptopleurum crenatum (KUGELANN, 1794)

Material examined: BULGARIA: Strandzha Mt., Novo Panicharevo Vill. (N42.291417, E27.55085), 90 m a.s.l., 27.VII.2014, 2 s. in cow dung, leg. B.G. & E.Ch. (IBER). Notes: Widely distributed in Europe (incl. Scandinavia and British Is.), Asia Minor and Kazakhstan. Known from the western part of the Balkan Peninsula up to now (PROKIN *et al.* 2015). First record for Bulgaria.

Cryptopleurum subtile SHARP, 1884

Material examined: BULGARIA: Strumeshnitsa River near Petrich Town (N41.398206, E23.065161), 12.VI.2010, 2 s. on light trap on the river bank, leg. B.G. & E.Ch. (IBER). Notes. Alien species for Europe, introduced in many countries of the continent, mainly in its central and northern part (PROKIN *et al.* 2015). First record for Bulgaria, as well as for the Balkan Peninsula.

Megasternum concinnum (MARSHAM, 1802)

Material examined: BULGARIA: Black Sea coast, on the bank of Aheloi River, near to the river's mouth (N42.640392, E27.642353), 7 m a.s.l., 28.IV.2006, 1 s. in plant debris, leg. R. BEKCHIEV (IBER). (IBER); Belasitsa Mt, SSW of Belasitsa Hut (N41.364133, E23.185233), 650 m a.s.l., 9 s. collected by sifting of leaf litter in chestnut forest, leg. R. BEKCHIEV (IBER); Border of Kongura Reserve (N41.355917, E23.192900), 1069 m a.s.l., 10-12.V.2009, 1 s. in dung baited pitfall traps in beech forest, leg. E.Ch. (IBER); Below "Varshiloto" Place (N41.340804, E23.181150), 1500 m a.s.l., 9-11.V.2010, 2 s. in dung baited pitfall traps in beech forest, leg. E.Ch. (IBER); "St. Iliya" Hills near Kalimantsi Vill. (N41.459646, E23.480032), 270 m a.s.l., 13.V.2010, 3 s. in cow dung, leg. E.Ch. (IBER); Stara Planina Mt., Pleven Hut, 1490 m a.s.l., 18.X.2009, 1 s., leg. P. BERON (IBER). Notes: *M. concinnum* is widely distributed in Europe, Asia, North Africa and (introduced in) the Nearctic Region (PROKIN *et al.* 2015). Nevertheless, this species was not recorded for Bulgaria up to now. First record for Bulgaria.

Family Histeridae (det. E. CHEHLAROV)

Abraeus roubali OLEXA, 1958

Material examined: BULGARIA: Belasitsa Mts., near Belasitsa Hut, 15.VIII.2008, 5 s. in rotten wood and leaf litter of *Castanea sativa*, leg. R. BEKCHIEV (IBER). Notes: Very rare species, described from the Czech Republic, reported also for Slovakia, Hungary, France, Serbia, Slovenia and Turkey (LACKNER *et al.* 2015). First record for Bulgaria.

Gnathoncus disjunctus suturifer REITTER, 1896

Material examined: BULGARIA: Kremikovtsi near Sofia, 09.IV.2005, 2 s. in burrow of *Spermophilus citellus*, leg. V. STEFANOV (IBER). Notes: This subspecies is distributed in Central Europe (Germany, Austria, Hungary, Slovakia), Ukraine, the European part of Russia and Georgia, Asia Minor, Syria, Central Asia and the Inner

Mongolia Autonomous Region of China (LACKNER *et al.* 2015). First record for Bulgaria, as well as for the Balkan Peninsula.

Xestipyge puncticulatum DESBORDES, 1919

Material examined: MACEDONIA: Mralino Vill. near Skopje, 250 m a.s.l., 16.II.2004, 3 s., leg. A. CVETKOVSKA-GORGIEVSKA (IBER). Notes: Known from Southern Russia, Armenia and Southern Turkey (LACKNER *et al.* 2015, KRYZHANOVSKIY & REICHARDT 1976). First record of this genus and species for the Republic of Macedonia, as well as for the Balkan Peninsula.

Onthophilus punctatus punctatus (MULLER, 1776)

Materials examined: BULGARIA: Black Sea Coast, Kaliakra, steppe habitat, 25.III – 29.IV.2012, 1 s. in pitfall trap, leg. B.G. & E.Ch. (IBER). Notes: This subspecies is widely distributed in Europe, western part of North Africa and Syria. Up to now it was recorded from all countries on the Balkan Peninsula with the exception of Bulgaria and Albania (LACKNER *et al.* 2015). New record for Bulgaria.

Family Leiodidae (det. B. GUÉORGUIEV)

Cyrtusomorpha sp.

Material examined: MACEDONIA: Galičica Mountain, west slope, 1250-1300 m a.s.l., 19.VI.1994, 1 s. manual sampling under stones, near spring among wet meadow of submediterranean type, leg. B. G. (NMPC). Notes: This is a very interesting and rare finding. The specimen was preliminarily determined as *Cyrtusomorpha* sp. by B.G., and later this identification was confirmed by Zdeněk ŠVEC (Prague). So far, only five species of the genus are known (PERREAU 2015). First record of this genus for the Republic of Macedonia, as well as for the Balkan Peninsula.

Family Geotrupidae (det. B. GUÉORGUIEV & E. CHEHLAROV)

Lethrus ares KRÁL, REJSEK ET SCHNEIDER, 2001

Material examined: BULGARIA: East Rhodopes, Oreshino Vill. (N41.480864, E26.09764), 295 m a.s.l., 9.IV.2009, 8 s. manual sampling, leg. B.G. & E.Ch. (IBER; NMNHS). Notes: Since its description (KRÁL *et al.* 2001) this species has not been collected. The new locality is situated ca. 12 km from the type locality of *L. ares*. First record for Bulgaria.

Trypocopris (Pseudotrypocopris) amedei (FAIRMAIRE, 1861)

Material examined: MACEDONIA: Suva Češma" (N41.368183, E22.80075), 693 m a.s.l., July 2010, 1 s. in pitfall traps in Orno-Quercetum petraeae habitat, leg. A. CVETKOVSKA-GORGIEVSKA (IBER). Notes: Outside of Europe, *T. amedei* is known from Lebanon, Syria and Turkey. In Europe it has been reported from the south part of the Balkan Peninsula: Greece, southern part of Bulgaria and European Turkey (GUÉORGUIEV & BUNALSKI 2004, LÖBL *et al.* 2006). First record for the Republic of Macedonia.

Family Trogidae (det. B. GUÉORGUIEV)

Trox perrisii FAIRMAIRE, 1868

Material examined: BULGARIA: East Stara Planina Mts., Natura 2000 site "BG0000393 Ekoridor Kamchiya-Emine" (N43.028433, E26.896833), 550 m a.s.l., 12.VI.2012, 1 s. light trap in beech forest, leg. B.G. & E.Ch. (NMNHS). Notes. This species was recorded from Bulgaria with a single precise finding (BUNALSKI 1999: 50). Subsequently, it was cited in three papers (BUNALSKI 2000, 2001, GUÉORGUIEV & BUNALSKI 2004) based on the same record. Neither the Palaearctic Catalogue of Trogidae (PITTINO 2006), nor the most recent version of Fauna Europaea (LOPEZ-COLON 2013) included *T. perrisii* for Bulgaria. KEITH (2011) recorded the species from Mersin, which is the first Asian record, while RÖSSNER (in ZIANI *et al.* 2015) found it in Croatia. The finding within the Natura 2000 site BG0000393 confirms the species presence in Bulgaria being the second known precise record from there.

Family Scarabaeidae (det. E. CHEKLAROV)

Alocoderus hydrochaeris (FABRICIUS, 1798)

Material examined: BULGARIA: Dobrudzha, Vojnovo Vill. (N43.977433, E27.42955), 93 m a.s.l., 13.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Tvarditsa Vill. (N43.613267, E28.457783), 40 m a.s.l., 13.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Sveti Nikola Vill. (N43.4225, E28.50405), 70 m a.s.l., 14.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); ROMANIA: Dobrudzha, 1 km N Negureni Vill., (N44.10705, E27.756417), 40 m a.s.l., 12.V.2014, 2 s., leg. B.G. & E.Ch. (MNCN); Vlahii Vill. (N44.210217, E27.86805), 10 m a.s.l., 12.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Mircea Vodă Vill. (N44.270583, E28.1653), 8 m a.s.l., 12.V.2014, 9 s., leg. B.G. & E.Ch. (MNCN). Notes: This species is not mentioned to occur in Bulgaria neither in the "Catalogue of Palaearctic Coleoptera" (DELLACASA & DELLACASA 2006, DELLACASA *et al.* 2016), nor in Fauna Europaea (DELLACASA & DELLACASA 2013). In fact, there is only one old and little known record (ANONYMOUS 1909) of this species for Bulgaria without exact locality. On the other hand, *A. hydrochaeris* was not recorded in any subsequent paper regarding the Bulgarian dung beetle fauna, which made its presence in the country very doubtful. In this paper the species is confirmed for Bulgaria.

Bodiloides ictericus ictericus (LAICHARTING, 1781)

Material examined: ALBANIA: Vlorë District, Qeparo Vill., (N40.051367, E19.80355), 20 m a.s.l., 28.V.2014, 1 s. leg. B.G. & E.Ch. (MNCN); BULGARIA: Trapishte Vill., (N43.362667, E26.539167), 200 m a.s.l., 11.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN). Notes: Widely distributed in almost all countries in Europe (DELLACASA & DELLACASA 2006); recently recorded for Albania (DELLACASA *et al.* 2016). Here, we provide some exact data for the distribution of this species in Albania.

Labarrus lividus (OLIVIER, 1789)

Material examined: ROMANIA: Dobrudzha, Vlahii Vill. (N44.210217, E27.86805), 10 m a.s.l., 12.V.2014, 1

s., leg. B.G. & E.Ch. (MNCN); BULGARIA: Dobrudzha, Malina Vill. (N43.632583, E28.056833), 205 m a.s.l., 13.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Pirin Mt., Kalimants vill., 9.IV.2010, leg. E.Ch. (IBER); Middle Struma valley, near Petrich Town, 25.VII.2005, 155 m a.s.l., 1 s. leg. J. L., B.G. & E.Ch. (MNCN); Gorska polyana vill., near Elhovo town, 14.VI.2006, 285 m a.s.l., 1 s. leg. J. L., B.G. & E.Ch. (MNCN); Black Sea Coast, at Arkutino Reserve, 16.VI. 2006, 15 m a.s.l., 1 s. leg. J. L., B.G. & E.Ch. (MNCN). Notes: This species is not mentioned to occur in Bulgaria neither in the "Catalogue of Palaearctic Coleoptera" (DELLACASA & DELLACASA 2006), nor in the last version of Fauna Europaea (DELLACASA & DELLACASA 2013), and has been noted for Bulgaria just recently (DELLACASA *et al.* 2016). There is an old and little known record (ANONYMOUS 1909) for this species for Bulgaria without exact locality, as this data has been repeated by MIKŠIĆ (1953). On the other hand, *Labbarus lividus* was not cited in any further publication on dung beetles in Bulgaria, which made its presence in the country doubtful. We confirm the species presence in Bulgaria and provide information on its distribution in the country.

Planolinus fasciatus (OLIVIER, 1789)

Material examined: BULGARIA: Rila Mt., Belmeken (N42.175824, E23.817474), 1920 m a.s.l., 27.IX.2007, 8 s., leg. E. Ch. (IBER); Stara Planina Mt., Botuvanya Place (N42.779417, E24.335967), 1570 m a.s.l., 8.IX.2014, 2 s., leg. B.G. & E.Ch. (IBER); Dapkovo Place (N42.73195, E24.429067), 1525 m a.s.l., 11.IX.2014, 2 s., leg. B.G. & E.Ch. (IBER). Notes: Widespread species distributed from Western Europe to East Siberia; *P. uliginosus* was not mentioned to occur in Bulgaria neither in the "Catalogue of Palaearctic Coleoptera" (DELLACASA & DELLACASA 2006, sub *Aphodius fasciatus* OLIVIER, 1789), nor in Fauna Europaea (DELLACASA & DELLACASA 2013) and has been noted for this country just recently (DELLACASA *et al.* 2016). The species was recorded from Rhodopes Mountains (South Bulgaria) by ANGELOV (1969) and later by LOBO *et al.* (2007). In the present paper we provide additional information on its distribution in two other mountain regions in the country.

Pleurophorus pannonicus PETROVITZ, 1961

Material examined: TURKEY: Black Sea Coast, Igneada env. (N41.85762, E27.95894), 25.V.2010, 17 s., leg. R. BEKCHIEV & I. GJONOV (IBER). Notes: Distributed between the middle and south part of Europe and Asia Minor, but has not been reported for European Turkey up to now (RAKOVIĆ *et al.* 2006). First record for the European part of Turkey.

Subrinus sturmi (HAROLD, 1870)

Material examined: ALBANIA: Vlorë District, W of Qeparo Vill. (N40.051367, E19.80355), 20 m a.s.l., 28.V.2014, 2 s., leg. B.G. & E.Ch. (MNCN); GREECE: Central Macedonia prov., Foustani Vill. (N41.0613, E22.1743), 345 m a.s.l., 30.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); BULGARIA: East Rhodopes Mts., Dzhanka Vill. (N41.551983, E25.66885), 335 m a.s.l., 17.VI.2014, 1 s., leg. B.G. & E.Ch. (MNCN). Notes: Widespread species in the Palaearctic region: on the Balkan Peninsula

it was not recorded only from Albania (DELLACASA & DELLACASA 2006). First record for Albania.

Trichonotulus scrofa (FABRICIUS, 1787)

Material examined: ALBANIA: Librazhd District, E Urakë Vill. (N41.065333, E20.608167), 940 m a.s.l., 27.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); BULGARIA: Middle Struma Valley, Struma Vill. (N41.550450, E23.234151), 125 m a.s.l., 24.IV.2014, 4 s., leg. B.G. & E.Ch. (MNCN); Razhdak Vill. (N41.404914, E23.236545), 135 m a.s.l., 28.IV.2014, 5 s., leg. B.G. & E.Ch. (MNCN); Danube Plain, Dolni Dabnik Town (N43.408767, E24.458567), 85 m a.s.l., 10.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Ovcha mogila Vill., (N43.419433, E25.267433), 65 m a.s.l., 10.V.2014, 3 s., leg. B.G. & E.Ch. (MNCN); Kovachevets Vill. (N43.362517, E 26.1096), 270 m a.s.l., 11.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Trapishte Vill. (N43.362667, E26.539167), 11.V.2014, 4 s., leg. B.G. & E.Ch. (MNCN); Dyankovo, (N43.6356, E26.611533), 275 m a.s.l., 11.V.2014, 1 sp., leg. B.G. & E.Ch. (MNCN); Sevar Vill. (N43.82015, E26.577933), 180 m a.s.l., 11.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Karapelit Vill. (N43.6403, E27.579467), 205 m a.s.l., 13.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Malina Vill. (N43.632583, E28.056833), 205 m a.s.l., 13.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); GREECE: Chalkidiki, Plana Vill. (N40.369674, E23.679585), 130 m a.s.l., 27.IV.2014, 2 s., leg. B.G. & E.Ch. (MNCN); MACEDONIA: Pelagonian Plain, Topolchani Vill. (N41.220717, E21.44995), 595 m a.s.l., 26.V.2014, 1 s., leg. B.G. & E.Ch. (MNCN); Erekovtsi Vill. (N41.216133, E21.4835), 610 m a.s.l., 26.V.2014, 3 s., leg. B.G. & E.Ch. (MNCN); ROMANIA: Dobrudzha, Bugeac Vill. (N44.112667, E27.454217), 15 m a.s.l., 12.V.2014, 2 s., leg. B.G. & E.Ch. (MNCN); Negureni Vill. (N44.10705, E27.756417), 40 m a.s.l., 12.V.2014, 3 s., leg. B.G. & E.Ch. (MNCN); Vlahii Vill. (N44.210217, E27.86805), 10 m a.s.l., 12.V.2014, 5 s., leg. B.G. & E.Ch. (MNCN); Mircea Vodă Vill. (N44.270583, E28.1653), 8 m a.s.l., 12.V.2014, 4 s., leg. B.G. & E.Ch. (MNCN); Peștera Vill. (N44.174867, E28.113167), 75 m a.s.l., 12.V.2014, 5 s., leg. B.G. & E.Ch. (MNCN). Notes: Widespread species in the Palaearctic region, introduced in North America. It occurs in almost all European countries with few exceptions (DELLACASA & DELLACASA 2006, DELLACASA *et al* 2016). First record for Albania.

Family Erotylidae (det. B. GUÉORGUIEV)

Dacne pontica (BEDEL, 1868)

Material examined: BULGARIA: Sofia, main campus of Bulgarian Academy of Sciences, 600-650 m a.s.l., on *Polyporus* sp. growing on a stump, 7.VII.2009 (11 s.) / 15.VII.2009 (3 s.), leg. D. GOULIAMOVA (NMNHS). Note: First record for Bulgaria.

Triplax lepida (FALDERMANN, 1837)

Material examined: BULGARIA: East Rhodopes, N of Leshnikovo Vill. (N41.851 E25.915233), 160 m a.s.l., 23-24.IV.2012, 1 s., soil traps in ecotone light oak forest/scrub, leg. E.Ch. & B.G. (NMNHS). Notes: This species was first recorded for Bulgaria from Rila Mts.,

Borovets (=Chamkoria) (DELKESKAMP & FRIESE 1971). WĘGRZYNOWICZ (2007) found it for the country without precise data. BEKCHIEV *et al.* (2012) included it in the country list of *Triplax*, based on literature data. However, the last version of Fauna Europaea (WĘGRZYNOWICZ 2013) does not include *T. lepida* for Bulgaria. The record near Leshnikovo confirms its presence in the country and represents second exact record from Bulgaria.

Tritoma bipustulata FABRICIUS, 1775

Material examined: BULGARIA: Sredna Gora Mts., above Panagyurishte Town, "St. Ivan" Place, 1 s. in soil traps in *Prunus spinosa* field surrounded by artificial *Pinus* sp. forest, 2.VI.1996, leg. S. LAZAROV (NMNHS); Belasitsa Mt., Podgorie Area, 400-450 m a.s.l., below Samuilovo Vill., 3 s. in *Polyporus* sp., old mesophilous forest, 9.VIII.2009, leg. B.G. (NMNHS). Notes This species was first recorded for Bulgaria from the massif of Murgash, West Stara Planina (IOAKIMOV 1904: 38 sub *Tritoma bipustulata* Oliv. sic!). Afterwards, ROUBAL (1931: 453), NIKOLOVA (1968: 139) and GUÉORGUIEV & LJUBOMIROV (2009: 253) cited this record. However, the species was not listed for Bulgaria neither in the last "Catalogue of Palaearctic Coleoptera" (WĘGRZYNOWICZ 2007), nor in the last version of Fauna Europaea (WĘGRZYNOWICZ 2013). Thus, the two new records above appear confirmation for the species occurrence in Bulgaria.

Family Silvanidae (det. B. GUÉORGUIEV)

Silvanus unidentatus (FABRICIUS, 1792)

Material examined: BULGARIA: Rupite Place near General Todorov Vill., 120-130 m a.s.l., 2 s. under bark of tree, riverside habitat, 9.08.2009, leg. B.G. (NMNHS). Notes: This rare species was recorded twice from Bulgaria long time ago (IOAKIMOV 1904: 16, NEDELKOV 1909: 9). Its occurrence in the country has been mentioned in the last Palaearctic catalogue of the family (HALSTEAD *et al.* 2007).

Family Bothriideridae (det. L. FANCELLO)

Oxylaemus variolosus (DUFOUR, 1843)

Material examined: GREECE: Chalkidiki Peninsula, Varvara, 700 m a.s.l., 1.IV.2013, 1 s., leg. L. FANCELLO (cLF). Notes: *Oxylaemus* Erichson, 1845 is represented in Europe by only two species: *O. cylindricus* (PANZER 1796) and *O. variolosus*. The genus was not previously reported from Greece. *Oxylaemus variolosus* is a rare saproxylic species, considered a relict associated with old rotten dead wood of primeval forest structures and features (MULLER *et al.* 2005). It is included in few European red lists of endangered saproxylic beetles: Swedish Red List (GARDENFORS 2010), German Red List (REIBNITZ 2008). The specimen was collected in *Fagus* woodland, with soil-washing technique. Captures of *O. variolosus* in endogean habitat are not infrequent and are reported in Internet resources: L. COLACURCIO, 21.01.2012 and A. PETRIOLI, 11.01.2012 (in Italian "Forum Entomologi Italiani"); J. ROUSSET, 16.01.2014 (in French Forum "Le Monde des Insects"). The species is probably associated with decayed wood in the subsoil. Known from France, Great Britain, Italy

(incl. San Marino, Sardinia and Sicily), Poland, Sweden, Switzerland and Turkey (ŚLIPŃSKI 2007). Recorded also from Corsica, the Czech Republic, Germany, Hungary and Spain (DAJOZ 1977; ŚLIPŃSKI, 2004; RECALDE *et al.* 2007). First record of the genus and the species for Greece.

Family Cerylonidae (det. B. GUÉORGUIEV)

Philothermus semistriatus (PERRIS, 1865)

Material examined: MACEDONIA: Belasitsa Mt., above Smolari Vill., 12.VI.2010, 430-480 m a.s.l., 1 s. under bark, leg. B.G. & E.Ch. (NMNHS). Notes: Recently, this species was recorded for Macedonia without precise data (ŚLIPŃSKI 2013). Thus, the record above is the first exact record from the country.

Family Tenebrionidae (det. B. GUÉORGUIEV)

Helops coeruleus (LINNAEUS, 1758)

Material examined: MACEDONIA: Belasitsa Mt., above Smolari Vill., 450 m a.s.l., 30.X.2009, 1 s., leg. B.G. (NMNHS). Notes: Widely distributed in Southern Europe, but still not recorded in some countries on the Balkan Peninsula (NABOZHENKO & LÖBL 2008). New genus and species for the Macedonian fauna.

Family Salpingidae (det. L. FANCELLO)

Lissodema denticolle (GYLLENHAL, 1813)

Material examined: GREECE: Chalkidiki Peninsula, Arnea, 15.VII.2008, 1 s. under *Fagus* sp, leaf-litter sifting, leg. L. FANCELLO (cLF). Notes: This saproxylic species lives in dead wood and usually is found under bark of dying/fallen trees or in crevices of rotting wood (chiefly *Quercus* and *Fagus*: DAJOZ 1965), where it preys upon other saproxylic beetles: Scolytidae (VIÑOLAS *et al.* 2012) and probably Anthribidae (IABLOKOFF-KHNZORIAN 1985). It is a European species, recorded from Armenia, Austria, Belgium, Bosnia Herzegovina, Bulgaria,

Corsica, Croatia, Czech Republic, Denmark, France, Great Britain, Germany, Hungary, Ireland, Italy, The Netherlands, Portugal, Romania, Russia (South European Territory), Sardinia, Sicily, Slovakia, Spain, Sweden and Switzerland, and also from Caucasus (POLLOCK & LÖBL 2008). First record for Greece.

Family Curculionidae (det. B. GUÉORGUIEV)

Anisorhynchus sp.

Material examined: BULGARIA: East Rhodopes, 1 km W Selska Polyana Vill., (N41.71163, E25.82380), 375 m a.s.l., 6-28.IV.2009, 2 s. in soil traps in rare mesoxerophilous oak forest, B.G. & E. C. (NMNHS). Notes: First finding of the genus *Anisorhynchus* Schoenherr 1842 from Bulgaria. We are not sure about the identity of this species, though it resembles *A. scabrosus* (GEOFFROY, 1785), a species which was recorded from Portugal, Spain, France, Italy, Croatia and Greece (ALONZO-ZARAZAGA 2013: 485). ALONZO-ZARAZAGA (2008: 34) suggested that the identity of the European taxa of the genus is doubtful. First record of this genus for Bulgaria.

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