

New distributional data on eleven click-beetles (Coleoptera: Elateridae) for Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Hungary, Macedonia, Montenegro, Romania and Turkey

Nové údaje o rozšíření jedenácti druhů kovaříků (Coleoptera: Elateridae) pro Albánii, Bosnu a Hercegovinu, Bulharsko, Černou Horu, Chorvatsko, Maďarsko, Makedonii, Rumunsko, Řecko a Turecko

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Abstract. Faunistic records for eleven species of Elateridae are given – *Agriotes modestus* Kiesenwetter, 1858 (Albania and Macedonia), *Athous barclayi* Platia, 2010 (Bulgaria), *Cardiophorus dolini* Mardjanian, 1985 (Albania, Bulgaria, Croatia, Greece, Hungary, Montenegro, Romania and Turkey), *Cardiophorus ruficruris* Brullé, 1832 (Albania, Bulgaria, Greece, Kazakhstan, Macedonia and Turkey), *Dicronychus aenescens* Platia & Gudenzi, 2003 (Bulgaria), *Dicronychus brullei* Platia & Gudenzi, 2003 (Albania and Greece), *Dicronychus bureschi* (Roubal, 1936) (Greece), *Dicronychus marani* (Roubal, 1936) (Bulgaria, Greece, Romania), *Negastrius sabulicola* (Boheman, 1854) (Albania and Bosnia and Herzegovina), *Stenagostus zuercheri* (Reitter, 1909) (Bulgaria and Turkey) and *Zorochochros stibicki* (Leseigneur, 1970) (Albania, Bulgaria, Croatia and Turkey). Photos of above mentioned species biotopes are presented.

Keywords: Coleoptera, Elateridae, *Agriotes modestus*, *Athous barclayi*, *Cardiophorus dolini*, *Cardiophorus ruficruris*, *Dicronychus aenescens*, *Dicronychus bureschi*, *Dicronychus brullei*, *Dicronychus marani*, *Negastrius sabulicola*, *Stenagostus zuercheri*, *Zorochochros stibicki*, Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Hungary, Macedonia, Montenegro, Romania, Turkey, new records, distribution

New faunistic data on below mentioned eleven click-beetles (Coleoptera: Elaterida) from Albania, Bulgaria, Croatia, Greece, Hungary, Montenegro, Romania and Turkey are given: *Agriotes modestus* (Albania and Macedonia), *Athous barclayi* (Bulgaria), *Cardiophorus dolini* (Albania, Bulgaria, Croatia, Greece, Hungary, Montenegro, Romania and Turkey), *C. ruficruris* (Albania, Bulgaria, Greece, Kazakhstan, Macedonia and Turkey), *Dicronychus aenescens* (Bulgaria), *D. brullei* (Albania, Greece), *Dicronychus bureschi* (Greece), *D. marani* (Bulgaria, Greece and Romania), *Negastrius sabulicola* (Albania), *Stenagostus zuercheri* (Bulgaria and Turkey) and *Zorochochros stibicki* (Albania, Bulgaria, Croatia and Turkey).

Based on new data, we correct so far known distribution of species *Cardiophorus dolini* and *C. ruficruris* as presented in Catalogue of Palearctic Coleoptera (Cate 2007).

As for *Agriotes modestus* (Albania), *Athous barclayi* (Bulgaria), *Cardiophorus ruficruris* (Greece), *Dicronychus brullei* (Albania), *D. bureschi* (Greece), *Negastrius sabulicola* (Albania) and *Zorochochros stibicki* (Albania), the photos of habitats are presented.

Subsequent abbreviations are used in the article: **coll.** – collection; **det.** – determined; ; **spec.** – specimen; **leg.** – collector; **HNHM** – Hungarian Natural History Museum.

Specimens are deposited in the collections of Petr Brůha (Ústí nad Labem), Jan Habarta (Velká nad Veličkou), Josef Mertlik (Opatovice nad Labem), Giuseppe Platia (Gatteo), Jiří Plecháč (Pecka), Adam Šíma (Praha), Vladimír Zieris (Pardubice) and in the Coleoptera Collection of the Hungarian Natural History Museum (Budapest).

Abbreviations of the countries follows Löbl & Smetana (2007: 14): E = Europe, AL = Albania, AR = Armenia, AU = Austria, BE = Belgium, BH = Bosnia Herzegovina, BU = Bulgaria, BY = Belarus, CZ = Czech Republic, CR = Croatia, CT = Russia: Central European Territory, DE = Denmark, FR = France, GE = Germany, GR = Greece, HU = Hungary, IT = Italy, LA = Latvia, LT = Lithuania, MC = Macedonia, MD = Moldavia, NL = The Netherlands, NT = Russia: North European Territory, PL = Poland, RO = Romania, SK = Slovakia, SP = Spain, ST = Russia South European Territory, SV = Sweden, TR = Turkey, UK = Ukraine. A = Asia, CY = Cyprus, IN = Iran, KZ = Kazakhstan, SY = Syria, TM = Turkmenistan. N = North Africa, AG = Algeria, MO = Morocco.

New records

Agriotes modestus Kiesenwetter, 1858

Distribution. E: AU BU CZ FR GR IT HU MD RO SK SP ST UK A: IN KZ SY (Cate 2007); TM (Platia 2010); MO (Platia & Gudenzi 2005); AG (Platia 2011).

Material examined. **Albania**, 40°10'7.28"N, 20°35'5.57"E, Leskovik vill., 2,2 km NW, pasture, 730 MAMSL, 12.V.2013, 1 ♂, A. Šíma leg. et coll., J. Mertlik det. 2015. **Macedonia**, Bitola, 7.V.1973, 1 ♀, L.A. Bankovics leg., W. Dolin det. 1995, HNHM Budapest coll.

First records for Albania and Macedonia.

Athous barclayi Platia, 2010

Distribution. E: GR (known only by Holotype ♂ from Kerkini Wetland, Sultanitsa Site).

Material examined. **Bulgaria** SW, Petrich env., from Belasitsa hut to waterfalls, between 41°22'11.85"N, 23°11'11.67"E and 41°21'49"N, 23°11'04"E, 690-780 MAMSL, 24.VI.2010, 1 ♂, A. Šíma leg., J. Mertlik det. et coll.

First record for Bulgaria.

Cardiophorus dolini Mardjanian, 1985

Distribution. E: AR* BU GR HU MC RO ST TR UK A: TR (Cate 2007), AL (Kovács et. al. 2012), CZ (Sitek et al. 2015).

Note*. Occurrence of *C. dolini* was mistakenly mentioned from Armenia as “ Loc. typ.“ (Platia et Gudenzi (2000: 146). These data are subsequently quoted by Cate (2007), Mertlik (2011) and Sitek et al. (2015).

Recently published faunistic data. **Albania** (Kovács et. al. 2012: 43), **Bulgaria** (Platia et Gudenzi 2000: 146), **Czech Republic** (Sitek et al. 2015: 54), **Hungary** (Merkl et Mertlik 2005: 65), **Macedonia** (Platia et Gudenzi 2000: 146), **Romania** (Platia et Gudenzi 2000: 146), **Russia – ST** (Mardjanian in Dolin et Mardjanian 1985: 137), **Turkey** (Platia et Gudenzi 2002: 48; Gülperçin et Tezcan 2010: 43; Tezcan et al. 2010: 65; Kabalak et Sert 2011: 22), **Ukraine** (Mardjanian in Dolin et Mardjanian 1985: 137).

Material examined. **Albania** mer. occ., Llogara pass, 1000 MAMSL, 19.VI.1994, 2 ♂♂, M. Mikát leg., J. Mertlik coll.; Albania, Librazhd distr., E of Lunik, 775 MAMSL (N 41,2776, E 20,3375), 13.IV.2014, 1 spec., Z. Fehér, E. Mizsei & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Albania, Uraké vill., 2km NEE, 950 MAMSL, 14.V.2013, 1 spec., D. Čagánek leg., P. Brůha det. et coll., J. Mertlik rev. **Bulgaria** occ., 1 km NE of Kresna, 30. IV. 2009, 2 ♂♂, 5 ♀♀, T. Kopecký leg., J. Mertlik coll.; Bulgaria, Sandanski, VI.1972, 1 spec., K. Poláček leg., J. Mertlik det. et coll.; Bulgaria m. occ., Strumma valley, Strumjani, 5 km S, 4.V.1984, 1 spec., M. Košťál leg., J. Mertlik det. et coll.; Bulgaria m. or., Ravda p. Nesebar, 5.-18.VII.1986, 1 spec., R. Borovec leg., J. Mertlik det. et coll.; Bulgaria, Kiten, 10.VI.1975, 1 spec., O. Marek leg., J. Mertlik det. et coll.; Bulgaria mer., Kresna, 1.-8.V.1985, 1 ♀, A. Sieber leg., J. Mertlik det. et coll. **Croatia** occ., Senj [F. Tax., Zengg. Cro], bez data nálezu, 1 ♂, HNHM Budapest coll., W. Dolin det. 1984 (as *C. asellus* Er.), O. Merkl det. 1996, J. Mertlik det. 2005. **Greece** bor. occ., Vikos-Aristi, 10.VI.1992, 1 ♀, T. Růžička leg., G. Platia det., J. Mertlik coll.; Greece, Macedonia, Kilis, 18.V.1987, 1 ♀, H. Hebauer leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Macedonia, Lutra (41°18'48"N, 23°20'18"E), 27.V.2008, 1 spec., Jaroslav Ryšánek leg., J. Mertlik det. et coll.; Greece, prov. Makedonia, Eleuthroupoli, Mt. Pangeo, 160 MAMSL (N 40°54.714'; E24°24.920'), 12.IV.2007, 1 spec., László Nádai leg., G. Platia det. 2008, HNHM Budapest coll.; Greece, Makedonia, Mt. Lekanis, 10km NE Nikiforos, 11.V.2009, 6 spec., swept and singled, A. Kotán, A. Márkus & T. Németh leg., 1 ♀ J. Mertlik det. 2009, HNHM Budapest coll.; Greece, prov. Thessaloníki, Rentina env., monastir Agia Marina, 4.VI.2014, 2 ♂♂, 1 ♀, J. Mertlik leg., det. et coll.; dtto, 1 ♂, 1 ♀, P. Brůha leg., det. et

coll.; Greece, Thrakia, Chalkidiki, 5km W Nea Apollonia, 15.V.2009, 1 spec., shrub, swept & singled, A. Kotán, A. Márkus & T. Németh leg., J. Mertlik det. 2009, HNHM Budapest coll.; Greece, Thrakia, Mt. Sapka, 5km E Nea Santa, stream valley, 12-13.V.2009, 1 spec., swept and singled, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, Trakia, Potamia, 50m (N 41°00.414'; E 25°01.971'), 10.-11.IV.2007, 1 spec., László Nádai leg., G. Platia det. 2008, HNHM Budapest coll.; Greece, Makedonia, Mt. Ditiki Rodopi, 3km S Kariofito, 11.-12.V.2009, 1 spec., swept and singled, A. Kotán, A. Márkus & T. Németh leg., J. Mertlik det. 2009, HNHM Budapest coll.; Greece, prov. Dráma, Falakró Mts., Panoráma env., 3.VI.2008, 1 ♀, J. Mertlik leg., det. et coll.; Greece, Kozáni, Vório Bóio Mts., 5.3 km NW Pentálofos, 1580 MAMSL, 28.V.2014, 1 ♀, P. Brůha leg., det. et coll.; Greece centr., Meteora, 13.V.1994, 1 ♀, J. Blajda leg., G. Platia det., J. Mertlik coll.; Greece, Leptokarya, 27.V.- 5.VI.2003, 1 ♀, A. Trmal leg., J. Mertlik det. et coll.; Greece, Macedonia mer., Olympiada, 5.-6.V.2004, 2 spec., Zdeněk Kraus leg., J. Mertlik det. et coll.; Greece, prov. Lárissa, Ossa Mts., pass Stómio – Spiliá, 11.VI.2008, 1 ♀, J. Mertlik leg., det. et coll.; Greece, prov. Lárissa, Ossa Mts., Spilia env., 820 MAMSL, oak grove, 1.VI.2014, 1 ♀, P. Brůha leg., det. et coll.; Greece, prov. Tríkala, NW of Kalambáka, 3 km W of Trigóna, 7.VI.2008, 1 ♀, J. Mertlik leg., det. et coll.; Greece, Meteora-Vlahava, 6.-8.VI.2011, 1 ♀, Z. Lucbauer leg., P. Brůha det. et coll.; Greece, Trikala env., Vlahava, oak forest, 25.V.2011, 5 spec., singled & netted from the canopy, A. Kotán, A. Márkus & T. Németh leg., 3 spec., J. Mertlik det. 2012, 2 spec. T. Németh det. 2014, HNHM Budapest coll.; Greece, Larisa env., Mt. Ossa, 5km SW Stomio, 800 MAMSL, 24.V.2011, 1 spec., swept, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, Larisa env., Mt. Ossa, 5 km N Stomio, stream valley, 150 MAMSL, 14.V.2011, 1 spec., sifted, A. Kotán, A. Márkus & T. Németh leg. J. Mertlik det. 2012, HNHM Budapest coll.; Greece occ., Akarnaniká Mts., Thirio vill. env., 1300 MAMSL, 28.V.1997, 1 ♀, P. Bulirsch leg., J. Mertlik det. et coll.; Greece, Ipiros, pref. Joannina, 2,5 km NE Metsovo, 1430 MAMSL (39°46'58.94"N, 21°9'7.27"E), 13.VI.2014, 1 spec., A. Kotán leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, Timfristos Mt., Vicos canyon env, Vitsa – Papigo vill. [Vica, 13.V.2002], 17.V.2002, 1 ♂, 1 ♀, J. Plecháč leg., J. Mertlik det. et coll.; Greece, Parnassos Mts., Arhova, 5.V.1994, 1 ♀, Ďulík & Jeniš leg., J. Mertlik det. et coll.; Greece, prov. Viotía, Parnassos Mts., Kalivia Arachovas, 1135 MAMSL, 30.V.2014, 1 ♂, J. Mertlik leg., det. et coll.; Greece, Peloponnesos, Vítina, 27.V.1990, 1 ♀, M. Klícha leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Sparti, 12.VI.1991, 1 ♀, J. Sobota leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Sparta, Anogia, 28.V.1990, 1 spec., M. Janata leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Peloponnesos, Taygetos Mts., Paleopanagia p. Sparti env., 1200 MAMSL, 21.VI.2003, 2 ♂♂, S. Benedikt leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Levidi env., 25.V.2003, 1 ♀, M. Šárovec leg., J. Mertlik det. et coll.; Greece, Arkadhia env., Dirrahi, macchia-oak lane, 19.V.2011, 1 spec., singled, swept and beaten, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, prov. Arkadía, road Chrysovitsi – Likochia, pass 1176 MAMSL, 31.V.2013, 1 ♂♂, 5 ♀♀, J. Mertlik leg., det. et coll.; dtto, 3.VI.2013, 3 ♀♀, J. Mertlik leg., det. et coll.; dtto, 2 ♂♂, 1 ♀, P. Brůha leg., det. et coll.; Greece, Lakonia env., Mt. Parnon, Karies, church garden, 21.V.2011, 1 spec., singled, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, prov. Arkadía, Parnon Mts., pass SW of Agios Petros, pasture 1200 MAMSL, 1.VI.2013, 6 ♂♂, 12 ♀♀, J. Mertlik leg., det. et coll.; dtto, 3 ♂♂, 3 ♀♀, P. Brůha leg., det. et coll.; Greece, Peloponnese, distr. Lakonia Mt. Taigetos, Anavristi, mixed forest (37° 2'10.49"N; 22°22'16.76"E), 13.V.2013, 1 spec., swept & beaten, A. Kotán, P. Nemes, Gy. Németh, T. Németh & V. Szénási leg., T. Németh det. 2014, HNHM Budapest coll. **Hungaria** bor., Székesfehérvár [Székesfehérvár, Lichtneckert], without data, 1 ♀, Lichtneckert leg., HNHM Budapest coll., W. Dolin det. 1984 (as *C. asellus* Er.), O. Merkl det. 1996, J. Mertlik det. 2005; **Hungaria** bor., Dabas, 28. IV. 2004, 1 ♀, J. Plecháč leg. et coll., J. Mertlik det. 2005. **Monte Negro**, Adriatic Coast, 25 km SE Budva, Sutomore, 0-400 MAMSL, 1 ♂, M. Mikát leg., W. Dolin det. 1991, J. Mertlik coll. **Romania** occ., Banát Mts., Văliug [V. Kanabé D., Ferencfalva, coll. Kanabé], without data, 1 ♀, D. Kanabé leg. et coll. in HNHM Budapest coll., W. Dolin det. 1985, J. Mertlik det. 1997; Romania, Iron Gates, Kazan gorge [Kazán], 1 spec., without data, HNHM Budapest coll., W. Dolin det. 1985, J. Mertlik det. 2005; Romania, Banát, Sfânta Elena [Svatá Helena], 17.-30.V.2014, 1 spec., D. Čagánek leg., P. Brůha det. et coll., J. Mertlik rev.; Romania, Dobruzsza, Constanta c., Gura Dobrogei, 100 MAMSL (44°28"N; 28°31'E), 6.V.2013, 1 spec., A. Podlussány leg., G. Platia det. 2015, HNHM Budapest coll. **Turkey**, Iznik, 9.V.1991, 2 ♂♂, M. Mikát leg., G. Platia det. 1999, J. Mertlik coll.; Turkey, prov. Ankara, Kulu, 900 MAMSL, 6.VI.1996, 1 ♀, P. Zahradník leg., G. Platia det. 1999, J. Mertlik coll.; Turkey, prov. Ankara, 20 km N of Ankara, 20.VI.1996, 1 ♂, 2 ♀♀, M. Knížek leg., J. Mertlik det. et coll.; Turkey, prov. Ankara, Kizilcahamam env., 6.VI.2002, 9 spec., Skoupý leg., J. Mertlik det. et coll.; Turkey, Eskişehir, 20 km W Nallihan, 28.IV.1996, 1 ♂, S. Kadlec leg., G. Platia det., J. Mertlik coll., Turkey, Eskişehir, İnönü, 1.VIII.1991, 1 ♀, M. Halada leg., G. Platia det., J. Mertlik coll., Turkey, prov. Konya, Obruk Yalâsi, Sarayönü, 5.VI.1986, 2 ♂♂, Kadlec & Voříšek leg., J. Mertlik det. et coll.; Turkey, prov. Konya, Sarayön env., 5.VI.1986, 5 ♂♂, 2 ♀♀, St. Kadlec leg., J. Mertlik det. et coll.; Turkey centr., Sereflikochisar, 30.V.- 2.VI.1996, 3 ♀♀, P. Kresl leg., J. Mertlik det. et coll.

New data for Albania, Bulgaria, Greece, Hungary, Romania and Turkey. First records for Croatia and Montenegro.

***Cardiophorus ruficruris* Brullé, 1832**

Distribution. E: AR IT GR SP* N: MO* A: CY IN TR (Cate 2007), AL (Mardjanian 1987), MC (Németh et Platia 2014).

Note*. Based on incorrect determination, this species was crossed out from Spain (Sánchez-Ruiz 1996: 67; Zapata de la Vega et Sánchez-Ruiz 2012: 233) and Morocco (Németh et Platia 2014: 471). On the eastern edge of the area of distribution, three armenian localities of this species are known (Mardjanian 1987: 147). As for Iran, only old literature data are given (Cate et al. 2002: 61). The species was mentioned from the Cental Asia (Kopet Dagh) by Gurjeva (1966: 86) which was later challenged by Dolin et Atamuradov (1994: 10).

Recently published faunistic data. Armenia (Mardjanian 1987: 147), Cyprus (Preiss et Platia 2003: 118), Greece (Guglielmi et Platia 1985:215), Italia (Platia 1994: 377), Macedonia (Németh et Platia 2014: 471), Turkey (Platia et Gudenzi 2002: 50; Gülperçin et Teczan 2009: 521; Gülperçin et Tezcan 2010: 47; Tezcan et al. 2010: 65; Kabalak et Sert 2011: 24; Gülperçin et Tezcan 2010: 453).

Material examined. Albania mer. or., Quarrit pass, 14.VI.1994, 1 ♀, O. Hovorka leg., J. Mertlik coll.; Albania, Palasë vill., 2 km NW (40°10'35.13"N, 19°36'13.00"E), 9.V.2013, 2 ♀♀, A. Šíma leg., A. Šíma et J. Mertlik coll. Bulgaria, Shabla [Szabla], 6.VI.1979, 1 ♂, D. Tarnawski leg. (det. as *C. ebeninus.*), G. Platia det. et coll. Greece, Korfu, Sidar, 23.-24.V.1997, 2 ♀♀, M. Mikát leg., J. Mertlik det. et coll.; Greece, Korfu, Pantokrator env., 16.-22.III.2001, 1 ♀, Jurčiček leg., J. Mertlik det. et coll.; Greece bor. occ., Vikos-Aristi, 10.VI.1992, 1 ♀, T. Růžička leg., G. Platia det., J. Mertlik coll.; Greece, prov. Makedonia, Serres (N 41°05.882', E 23°29.097'), 8.IV.2007, 1 spec., L. Nádaí leg., G. Platia det. 2003, HNHM Budapest coll.; Greece, 5 km NW Veröia, 1.VI.2011, 1 ♂, 1 ♀, Z. Lucbauer leg., J. Mertlik det., P. Brůha coll.; Graecia, Macedonia mer., Vrasna, 3.V.2004, 1 ♂, 1 ♀, Zdeněk Kraus leg., J. Mertlik det. et coll.; Greece, Macedonia, Stavros, 21.V.- 1.VI.1994, 2 spec., F. Pavel leg., J. Mertlik det. et coll.; Greece, Macedonia, Eptalofos E of Kilkis, 5.V.2003, 1 ♂, Skoupý leg., J. Mertlik det. et coll.; Greece, Macedonia, Chimanos, 6.V.2000, 1 spec., J. Ryšavý leg., J. Mertlik det. et coll.; Greece, prov. Trakia, Potamia, 150 MAMSL (N 41°00.414', E 25°01.971'), 9-10.IV.2007, 1 spec., L. Nádaí leg. G. Platia det. 2008, HNHM Budapest coll.; Greece, prov. Lárissa, Olimbos Mts., 3 km W of Olimpiáda, 5.VI.2008, 1 ♀, J. Mertlik leg., det. et coll.; Greece, Meteora, 22.-27.II.1998, 1 spec., Bohatá leg., G. Platia det., J. Mertlik coll.; Greece centr., Kastraki, 3.V.2009, 1 spec., J. Ryšavý leg., J. Mertlik det. et coll.; Greece, prov. Makedonia, distr. Larissa, Mt. Ossa, 6 km E Spilea, 1060 MAMSL, mixed forest (39°50'0.20"N; 22°41'2.83"E), 10.V.2013, 1 spec., swept & singled, A. Kotán, P. Nemes, Gy. Németh, T. Németh & V. Szénási leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, prov. Thesalia, distr. Larissa, Sotiritsa, 9.IV.2012, L. Nádaí leg., G. Platia det. 2015, HNHM Budapest coll.; Greece, Prevéza env., Filippiáda, 6.V.1992, 1 ♂, T. Rybárik leg., J. Mertlik det. et coll.; Greece, prov. Etolia-Akarnania, Prevéza env., Agli Apostoli, 8.VI.2008, 1 ♀, J. Mertlik leg., det. et coll.; Greece, Akarnaniká Mts., Thirio vill. env., 1300 MAMSL, 28.V.1997, 1 ♂, 1 ♀, P. Bulirsch leg., J. Mertlik det. et coll.; dtto, 28.V.1997, 1 spec., J. Prouza leg., J. Mertlik det. et coll.; Greece occ., Aliki pr. Arta env., 22.V.1997, 1 spec., salt marsh, S. Benedikt leg., J. Mertlik det. et coll.; Greece, Parnassos, without data, 1 spec., Dr. J. Fodor leg., Dolin det. 2002, HNHM Budapest coll.; Greece, Kiphisia, Pentelikon, 25.IV.1935, 2 spec., Dr. J. Fodor leg., Dolin det. 2002, HNHM Budapest coll.; Greece, N. Peloponnes, Kalavrita, Helmos, 2000 MAMSL, 20.VI.1997, 1 spec., Egger Manfred leg., G. Platia det. 2003, HNHM Greece, Akhala env., Mts. Aroania, Ano Davidi, 18.V.2011, 2 spec., beaten & swept, A. Kotán, A. Márkus & T. Németh leg., G. Platia det. 2015, HNHM Budapest coll.; Budapest coll.; Greece, N Peloponnes, Xylokaastro, Zemeno, 28.V.- 7.VI.1997, 1 spec., Egger Manfred leg., G. Platia det. 2008, HNHM Budapest coll.; Greece, Peloponnes, Davia env., 17.V.2009, 1 ♂, P. Strejček leg., P. Brůha det. et coll.; Greece, Arkadhia env., Dirrahi, macchia-oak lane, 19.V.2011, 18 spec., singled, swept and beaten, A. Kotán, A. Márkus & T. Németh singled, swept and beaten, 3 spec., J. Mertlik det. 2012, 15 spec., T. Németh det. 2014, HNHM Budapest coll.; Greece, Arkadhia env., 3 km N Paradeisia, Alfios river, 18.V.2011, 2 spec., levee, swept, A. Kotán, A. Márkus & T. Németh leg., 1 spec., J. Mertlik det. 2012, 1 spec., T. Németh det. 2014, HNHM Budapest coll.; Greece, Arkadhia env., 3km N Paradeisia, oak groove, church garden, 18.V.2011, 1 spec., singled at night from oaks, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, Peloponnesos, Megalópoli env., Lefktro vill., Alfiós river, 9.-11.IV.1995, 5 ♂♂, 2 ♀♀, J. Mertlik leg., det. et coll.; Greece, Peloponnesos, Zaháro env., Katafa, 13.-14.IV.1995, 3 ♂♂, 6 ♀♀, J. Mertlik leg., det. et coll.; Greece, Peloponnesos, Megalópoli env., Paradisiá (37°19'6.79"N, 22°3'17.31"E), 12.-19.IV.1995, 5 ♂♂, 5 ♀♀, J. Mertlik leg. et coll., G. Platia det. 1998; Greece, Peloponnesos, Pírgos env., Epitálio vill., Alfiós river, 13.IV.1995, 1 ♂, J. Mertlik leg., det. et coll.; Greece, Peloponnesos, Vitina, 27.V.1990, 1 ♂, M. Klícha leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Peloponnesos, Vourvoura [Vouvoura], 21.V.2002, 1 ♂, 1 ♀, J. Plecháč leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Tripoli env., 3.VI.1990, 1 ♀, M. Janata leg., J. Mertlik det. et coll.; dtto, 30.IV.1993, 1 ♂, 1 ♀, Skoupý leg., J. Mertlik det. et coll.; dtto, 30.IV.1993, 1 ♀, J. Macek leg., J. 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church garden, 21.V.2011, 2 spec., singled, A. Kotán, A. Márkus & T. Németh leg., T. Németh det. 2014, HNHM Budapest coll.; Greece, Peloponnesos, Stoupa-Kalamata env., 22.IV.2003, 1 ♀, Skoupý leg., J. Mertlik det. et coll.; Greece, Taygetos Mts., Anogia, 30.IV.1992, 1 ♀, T. Rybárik leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Stoupa, 40 km S of Aeropoli, 23.V.2003, 1 ♀, M. Šárovec leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Sparta, Mistras, 24.V.2003, 1 ♀, M. Šárovec leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Monemvasía, 22.V.1999, 4 ♀♀, M. Šárovec leg., J. Mertlik det. et coll.; Greece, Gythion, 30.IV.1935, 5 spec., Dr. J. Fodor leg., Dolin det. 2002, HNHM Budapest coll.; Greece, Crete occ., Sougia, 15 km W Agia Roumeli, 8.-9.V.1996, 1 ♂, 1 ♀, M. Mikát leg., G. Platia det. 1998, J. Mertlik coll.; Greece, Crete, nom. Chania, Kantanos-Selino prov., Agia Irini, 500-1058 MAMSL, beaten, 21.V.2012, 1 spec., B. Szelenzey leg., G. Platia det. 2013, HNHM Budapest coll. **Kazakhstan**, Bajgany distr., Zharly vill., 14.V.1999, 1 ♀, J. Louda leg., G. Platia det. et coll. **Macedonia**, without name of locality, VI.1985, 1 ♀, Vitner leg., G. Platia det., J. Mertlik coll.; Macedonia, SE Mac., 0,5km W Gradec, macchia (41°22'44.56"N; 22°23'45.40"E), 9.V.2013, 1 spec., swept & singled, A. Kotán, P. Nemes, Gy. Németh, T. Németh & V. Szénási leg., G. Platia det. 2003, HNHM Budapest coll.; Yugoslavia, Macedonia, Lake Dorjan, Dorjan, 150-500 MAMSL, 9.-10.V.1971, 2 spec., Papp & Horvatovich leg., Dolin det. 2002, HNHM Budapest coll. **Turkey**, prov. Izmir, Aydin Dağlari Mts., Selçuk, 15.IV.1990, 1 ♂, 2 ♀♀, J. Mertlik leg. et coll., C.M.F. von Hayek det. 1991; Turkey, Pamukkale, 28.IV.1992, 1 ♂, M. Janata leg., G. Platia det., J. Mertlik coll.; dtto, 28.IV.1992, 1 ♂, ♀♀, R. Borovec leg., G. Platia det., J. Mertlik coll.; Turkey, Eskişehir, 20 km W Nallihan, 28.IV.1996, 3 ♀♀, S. Kadlec leg., G. Platia det., J. Mertlik coll.; Turkey, prov. Balıkesir, Gölcük Dağlari Mts., Gök Köy, 13.IV.1990, 1 ♀, J. Mertlik leg. et coll., C.M.F. von Hayek det. 1991; Turkey, prov. Bilecik, Karaköy env., 21.V.2001, 1 ♀, J. Mertlik leg., det. et coll.; Turkey, Simav, Simav Dağlari Mts., 1400 MAMSL, 20.IV.1996, 1 ♀, S. Kadlec leg., J. Mertlik det. et coll.; Turkey occ., Ephesos, 2.V.1990, 1 spec., V. Malý leg., J. Mertlik det. et coll.; Turkey, Anatolien, Ak-Chenini, 1900 [Ak-Chenini 1900 Kerb], 1 spec., Dr. J. Fodor leg., Dolin det. 2002, HNHM Budapest coll.

New data for Albania, Greece, Macedonia and Turkey. First records for Bulgaria and Kazakhstan.

***Dicronychus aenescens* Platia & Gudenzi, 2003**

Distribution. E: GR (Cate 2007)

Recently published faunistic data. Greece (Platia et Gudenzi 2003: 28).

Material examined. Bulgaria mer., Kresna, 1.-8.V.1985, 1 ♂, A. Sieber leg., J. Mertlik det. et coll.; Bulgaria SW, Sandanski env., 30.IV.-4.V.2006, 1 ♂, R. Mucska leg., J. Mertlik det. et coll.

First records for Bulgaria.

***Dicronychus brullei* Platia & Gudenzi, 2003**

Distribution. E: GR (Cate 2007).

Recently published faunistic data. Greece (Platia et Gudenzi 2003: 34).

Material examined. Albania, 40°12'50.29"N, 19°34'44.68"E, Llogara Mts., tourist resort, meadow, 800 MAMSL, 8.V.2013, 1 ♀, A. Šíma leg., J. Mertlik coll. **Greece**, Kastória pr., Vérno Mts., Klissoúra, 18.-19.V.2001, 5 ♀♀, J. Schneider leg., G. Platia det. 2003, J. Mertlik coll.; Greece, Meteora-Vlahava, 6.-8.VI.2011, 1 ♂, 1 ♀, Z. Lucbauer leg., P. Brůha det. et coll.; Greece, Meteora, 5.VI.2005, 1 ♀, M. Šárovec leg., J. Mertlik det. et coll.; dtto, 2.V.2007, 1 ♂, M. Šárovec leg., J. Mertlik det. et coll.; Greece, St. Ellas, Lamia, 26.IV.1993, 1 ♂, Skoupý leg., J. Mertlik det. et coll.; Greece, Peloponnesos, Vitina, 31.V.2005, 1 ♀, M. Šárovec leg., J. Mertlik det. et coll.; Greece, Sparta, 9.VI.1991, 2 ♀♀, J. Sobota leg., G. Platia det. 2003, J. Mertlik coll.

First record for Albania. New data for Greece.

***Dicronychus bureschi* (Roubal, 1936)**

Distribution. E: BU (Cate 2007).

Recently published faunistic data. Bulgaria (Laibner 1985: 131).

Material examined. Greece, Kavála distr., Mt. Pangéo, ski center, 1930 MAMSL, 6.VI.2015, 1 ♀, J. Mertlik leg., det. et coll.

First record for Greece.

***Dicronychus marani* (Roubal, 1936)**

Distribution. E: BU (Cate 2007), RO (Platia 2011).

Recently published faunistic data. Bulgaria (Laibner 1985: 131, Penev et Tarnawski 1987: 431), Romania (Platia 2011: 49).

Material examined. Bulgaria, Kresna, 8.V.1984, 1 ♂, M. Košťál leg., J. Mertlik det. et coll.; dtto, 4.V.1985, 4 ♂♂, St. Kadlec leg., J. Mertlik det. et coll.; dtto, 4.V.1992, 3 ♂♂, Mráček leg., J. Mertlik det. et coll.; Bulgaria, 1 km NE of Kresna, 30.IV.2009, 4 ♂♂, T. Kopecký leg., J. Mertlik det. et coll. **Greece**, Makedonia, Vrasna, 3.V.2004, 1 ♂, Z. Kraus leg., J. Mertlik det. et coll. **Romania**, Hirşova, IV.1987, 1 ♂, L. Ernest leg., J. Mertlik det. et coll.

First record for Greece. New data for Bulgaria and Romania.

***Negastrius sabulicola* (Boheman, 1854)**

Distribution. E: AU BE BG BU BY CT CZ DE FR GB GE GR HU IT LA LT NL NT PL RO SK SV UK (Cate 2007), MC (Platia 2014), A: TR (Mertlik et Platia 2008).

Material examined. **Albania**, 41°7'42.10"N, 20°8'23.69"E, Elbasan vill., 3 km NE, river bank, 130 MAMSL, soil washing, 5.V.2013, 1 ♀, A. Šíma leg. et coll., J. Mertlik det. 2015. **Bosnia and Herzegovina**, Bosnia, Sarajevo, Iidza, II.1936, 1 ♂, 1 ♀, Dr. J. Fodor leg., O. Merkl det. 1986, HNHM Budapest coll.; Bosnia, Zeljeznica, Rijeka, 18.XI.1937, 1 ♂, Dr. J. Fodor leg., O. Merkl det. 1986, HNHM Budapest coll.

First records for Albania and Bosnia and Herzegovina.

***Stenagostus zuercheri* (Reitter, 1909)**

Distribution. E: GR A: SY TR (Cate 2007).

Recently published faunistic data. **Greece** (Mertlik et Dušánek 2006: 161), **Syria** (Mertlik et Dušánek 2006: 161), **Turkey** (Platia et Gudenzi 1996: 142; Kesdek, Platia & Yildirim 2006: 421).

Material examined. **Bulgaria**, Belasica Mts., Belasica chalet env., 12.-13.VIII.2014, 2 ♂♂, at lighth, Robert Lízler leg., J. Mertlik coll. **Turkey**, vill. Isparta, Yukarigökdere env., Davraz Dagi Mts., 18.-23.VII.1998, 2 ♂♂, Karl Werner leg., J. Mertlik det. et coll.; dtto, VI.1999, 2 ♂♂, Karl Werner leg., J. Mertlik det. et coll.; Turkey m., vill. Mersin, Aydinlar, 8.VII.1993, 2 ♂♂, 1 ♀, Květoslav Resl leg., J. Mertlik det. et coll.; Adana, 2.VI.1972, 1 ♂, H. Yuksel leg., G. Platia det. et coll.

First record for Bulgaria. New data for Turkey.

***Zoroehros stibicki* (Leseigneur, 1970)**

Distribution. E: AU GE IT HU SL YU A: TR (Cate 2007), SK (Merkl & Mertlik 2005), CZ and SK (Mertlik 2009), BH, CR and GR (Németh & Platia 2014), MC (Platia 2014), AR (Hadulla 2014).

Recently published faunistic data. **Czech Republic and Slovakia** (Merkl & Mertlik 2005: 68; Mertlik 2009: 103), **Bosnia- Herzegovina, Croatia and Greece** (Németh & Platia 2014: 466), **Turkey** (Kabalak et Sert 2005: 55; Kabalak et Sert 2011: 19), **Macedonia** (Platia 2014: 78), **Armenia** (Hadulla 2014: 1).

Material examined. **Albania**, Borsh vill., drying river, 10 MAMSL (40°3'10.86"N, 19°50'33.82"E), 10.V.2013, 3 ♂♂, 4 ♀♀, A. Šíma leg., A. Šíma et J. Mertlik coll.; dtto, 2 ♀♀, Jan Habarta leg. et coll., J. Mertlik det. 2015. **Bulgaria** occ., Topolnica, V. 1989, 1 ♂, Míkyška leg., J. Mertlik coll., Bulgaria, Dupnica env. (42°15'59"N, 23°06'20"E), 2. V. 2011, 1 ♂, V. Zieris leg. et coll., J. Mertlik det. 2013. **Croatia**, Sisak [Jugoslavia, Šisák], without data, 1 ♀, Dr. J. Fleischer leg., NM Praha coll., J. Mertlik det. 2009. **Turkey**, prov. Zonguldag, 14 km S of Devrek, Ataköy env., 21.VI.2006, 4 ♂♂, 13 ♀♀, J. Mertlik leg., det. et coll.; Turkey, prov. Bolu, 8 km SE of Gerece, Soğanli river, 24.V.2000, 1 ♂, 1 ♀, J. Mertlik leg. det. et coll.; Turkey bor., Ilgaz Dag, 3.VI.1991, 1 ♂, 3 ♀♀, Skoupý leg., G. Platia det 1992 (as *Z. georgicus*), J. Mertlik det. et coll.; Turkey, Antalya, Göynük p. Kemer, Bey Dagi, 50-500 MAMSL, 4.VII.1998, 2 ♀♀, P. Bulirsch leg., J. Mertlik det. et coll.; Turkey, prov. Icel, Güzeloluk env., Göktepe Dağı, (36°51'22.13"N, 34°1'14.23"E), 25.-26.V.1998, 73 ♂♂, 52 ♀♀, J. Mertlik leg., det. et coll.; Turkey, Anatolia, Çamlıdere, Işık Dağı [Çamlıdere, Işık d.; Anat., 23.VI.47; Exp. N. Mus. ČSR], 23.VI.1947, 1 ♂, Exp. NM Praha leg., J. Mertlik det. et coll.; Turkey, Ankara, Kizilcahaman, 29.VI.1993, 2 ♀♀, P. Bulirsch et Kv. Resl leg., J. Mertlik det. et coll.; Turkey m., prov. Niğde, Ala Daglari, Demirkazik, 24.-25.VI.1992, 2 ♂♂, 1 ♀, P. Bulirsch leg., J. Mertlik det. et coll.; dtto, 1550 MAMSL, 25.VI.1992, 1 ♂, Kv. Resl leg., J. Mertlik det. et coll.; dtto, 1.-3.VII.1993, 1 ♂, P. Bulirsch leg., W. Dolin det. 1998, J. Mertlik coll.; dtto, 26.-27.V.2001, ♂, 1 ♀, J. Mertlik leg., det. et coll.; Turkey, prov. Niğde, Pinarbaşı env., 26.V.2001, 15 ♂♂, 9 ♀♀, J. Mertlik leg., det. et coll.; Turkey, Tahta Kopru Brj., E of Akbez (Hatay), 4.VII.1993, 2 ♂♂, 3 ♀♀, P. Bulirsch leg., W. Dolin det. 1998, J. Mertlik coll.; Turkey m., Tekerbasi, p. Samandag, Asi Nehri, 29.VI.1992, 1 ♀, P. Bulirsch leg., J. Mertlik det. et coll.; Turkey m., Çevlik p. Samandag, (Hatay), 5.-6.VII.1993, 1 ♀, P. Bulirsch leg., J. Mertlik det. et coll.; Turkey, prov. Samsun, Çayirkent env., 27.V.2000, 7 ♂♂, J. Mertlik leg., det. et coll.; Turkey, prov. Amasya, Ak Dag, Aktaş env., 29.V.2000, 1 ♂, 2 ♀♀, J. Mertlik leg., det. et coll.

First records for Albania and Bulgaria. New data for Croatia and Turkey.

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Supplementary figures



Fig. 1. Habitat of *Agriotes modestus* nearby Leskovik, Albania
Photo Adam Šíma



Fig. 2. Habitat of *Athous barclayi* at Belasitsa Mts., Bulgaria
Photo Adam Šíma



Fig. 3. Habitat of *Cardiophorus ruficruris* nearby Palasë, Albania
Photo Adam Šíma



Fig. 4. Habitat of *Dicronychus bureschi* at Mt. Pangéo, Greece
Photo Josef Mertlik



Fig. 5. Habitat of *Negastrius sabulicola* by the river Shkumbin nearby Elbasan, Albania
Photo Adam Šíma



Fig. 6. Habitat of *Zoroachros stibicki* by the river nearby Borsh, Albania
Photo Adam Šíma



Fig. 7. Habitat of *Dicronychus brullei* at Llogara Mts. nearby tourist resort, Albania
Photo Adam Šíma