

Beetles from Albania, Macedonia and Montenegro, with new country records (Coleoptera)

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ABSTRACT: Six species of Coleoptera, *Anostirus binaghii*, *Ampedus elegantulus*, *Ctenicera virens*, *Lacon punctatus* (Elateridae), *Raiboscelis azureus azureus* (Tenebrionidae), *Schizotus pectinicornis* (Pyrochroidae) are recorded for the first time from Albania; *Pomatinus substriatus* (Dryopidae), *Dorcus peyronis* (Lucanidae), *Elater ferrugineus* (Elateridae) are recorded for the first time from Macedonia, and *Opilo taeniatus* (Cleridae) is recorded for the first time from Montenegro.

In 2013 the first author visited several times Albania, Macedonia, and Montenegro, to investigate the fauna of aquatic insects (Ephemeroptera, Odonata, Plecoptera, Trichoptera) as in the case of the previous trips to countries of the Balkan Peninsula (KOVÁCS et al. 2011, 2012). In this paper new country records of ten species of beetles (Coleoptera) are presented.

The following species collected in 2013 in Albania proved to be new to the country: *Anostirus binaghii*, *Ampedus elegantulus*, *Ctenicera virens*, *Lacon punctatus* (cf. CATE 2007), *Raiboscelis azureus azureus* (cf. LÖBL et al. 2008), *Schizotus pectinicornis* (cf. POLLOCK & YOUNG 2008). *Pomatinus substriatus* (cf. KODADA & JÄCH 2006), *Dorcus peyronis* (cf. BARTOLOZZI & SPRECHER-UEBERSAX 2006), *Elater ferrugineus* (cf. CATE 2007) are new to Macedonia while *Opilo taeniatus* (cf. LÖBL et al. 2007) is new to Montenegro.

The conservation status of the following species found in the 2013 trips is Near Threatened: *Osmoderma eremita*, *Propomacrus bimucronatus*, *Elater ferrugineus*, *Rhaesus serricollis*; *Dorcus peyronis* is Data Deficient (NIETO & ALEXANDER 2010).

The localities of these species are small habitat fragments. Two of them deserve special mention because several rare species co-exist there in hollow trunks of *Platanus orientalis*: Syri i Kaltër (Albania), with *Osmoderma eremita*, *Lacon punctatus*, *Rhaesus serricollis*, and Valandovo (Macedonia) with *Dorcus peyronis*, *Propomacrus bimucronatus*, *Elater ferrugineus*, *Rhaesus serricollis*.

Abbreviations: FZ = Zoltán Fehér, JP = Péter Juhász, KT = Tibor Kovács, MD = Dávid Murányi, MG = Gábor Magos, PG = Gellért Puskás; HNHM = Hungarian Natural History Museum (Budapest), MM = Mátra Museum of the Hungarian Natural History Museum (Gyöngyös).

DRYOPIDAE Billberg, 1820

Pomatinus substriatus (P. W. J. Müller, 1806) – **Macedonia**, Southeastern region, Valandovsko Polje, Rabrovo, Anska River S of the village, 04.10.2013, KT-MD (1 specimen, HNHM). – New to Macedonia.

LUCANIDAE Latreille, 1804

Dorcus peyronis Reiche et Saulcy, 1856 – **Macedonia**, Southeastern region, Plavuš hills, Valandovo, 04.10.2013, from hollow of *Platanus orientalis*, KT-MD (1 dead specimen, MM). – In Europe, it is known from Armenia, Bulgaria and Greece (BARTOLOZZI & SPRECHER-UEBERSAX 2006). New to Macedonia.

SCARABAEIDAE Latreille, 1802

Osmoderma eremita (Scopoli, 1763) – **Albania**, Delvinë district, Gjerë Mts, Muzinë, Syri i Kaltër, 13.10.2013, from hollow of *Platanus orientalis*, JP-KT-MD-PG (1 dead specimen, MM); Gjirokastrë district, Tsamantas Mts, Sotirë, 13.10.2013, from hollow of *P. orientalis*, JP-KT-MD-PG (1 dead specimen, MM); Tepelenë district, Dragot, 14.10.2013, from hollow of *P. orientalis* (with *Elater ferrugineus*) JP-KT-MD-PG (1 dead specimen, MM) – **Montenegro**, Bar municipality, Rumija Mts, Sutorman, forest with ancient oaks, 26.05.2013, from hollow of *Quercus* (with *E. ferrugineus*), JP-KT-MG-PG (1 dead specimen, MM). – Eight localities are known from Albania, the last is from 1997; five localities are known from Montenegro (including the above-mentioned Sutorman, before 1956), the last is from 1977 (RANIUS et al. 2005).

Propomacrus bimucronatus (Pallas, 1781) – **Macedonia**, Southeastern region, Plavuš hills, Valandovo, 04.10.2013, from hollow of *Platanus orientalis*, KT-MD (1 dead specimen, MM). – In Europe, it is known from Bulgaria, European Turkey, Greece (BEZDEK 2006) and Macedonia (KRELL 2013). The data from Bulgaria have been summarised by BEKCHIEV & ZLATKOV (2010).

ELATERIDAE Leach, 1815

Anostirus binaghii Platia et Gudenzi, 2006 – **Albania**, Skrapar district, Ostrovicë Mts, open stream 3 km S of village Faqekuq, 29.05.2013, beaten from *Salix* shrubs, JP-KT-MG-PG (5 specimens, HNHM). – The species was described recently from Greece and Kosovo (PLATIA & GUDENZI 2006). – New to Albania.

Ampedus elegantulus (Schönherr, 1817) – **Albania**, Bulqizë district, Çermenikë Mts, open forest beneath Mt. Kaptinë, 27.05.2013, JP-KT-MG-PG (2 specimens, HNHM). – New to Albania.

Ctenicera virens (Schrank, 1781) – **Albania**, Skrapar district, Ostrovicë Mts, open stream 3 km S of village Faqekuq, 29.05.2013, JP-KT-MG-PG (1 specimen, HNHM). – New to Albania.

Elater ferrugineus Linnaeus, 1758 – **Albania**, Tepelenë district, Dragot, 14.10.2013, from hollow of *Platanus orientalis* (with *Osmoderma eremita*) JP-KT-MD-PG (1 dead specimen, MM) – **Macedonia**, Southeastern region, Plavuš hills, Valandovo, 04.10.2013, from hollow of *P. orientalis*, KT-MD (1 larva, MM). – **Montenegro**, Bar municipality, Rumija Mts, Sutorman, forest with ancient oaks, 26.05.2013, from hollow of *Quercus* (with *O. eremita*) JP-KT-MG-PG (1 larva, MM). – New to Macedonia.

Lacon punctatus (Herbst, 1779) – **Albania**, Delvinë district, Gjerë Mts, Muzinë, Syri i Kaltër, 13.10.2013, from hollow of *Platanus orientalis*, JP-KT-MD-PG (1 dead specimen, HNHM). – New to Albania.

CLERIDAE Latreille, 1802

Opilo taeniatus (Klug, 1842) – **Montenegro**, Bar municipality, Rumija Mts, Stari Bar, M. Mikulići, 26.05.2013, JP-KT-MG-PG (1 specimen, MM). – New to Montenegro.

TENEBRIONIDAE Latreille, 1802

Raiboscelis azureus azureus Brullé, 1832 – **Albania**, Vlorë district, Qeparo, macchia with tree spurges W of the village, N40°03.098' E19°48.046', 20 m, 12.10.2013, JP-KT-MD-PG (1 specimen, HNHM). In the HNHM, further specimens are deposited from Albania with the following data: Himare, 16.04.1959, Xh. Murraj (5 specimens); Laprak (Tirana), 26.05.1949, M. Shpati (1 specimen); Vlorë county, Qeparo, seashore karstic springs N of the village, 5 m, N40°03'10.0", E19°48'46.1", 11.V.2006, L. Dányi, J. Kontschán & D. Murányi (1 specimen). – New to Albania.

PYROCHROIDAE Latreille, 1807

Schizotus pectinicornis (Linnaeus, 1758) – **Albania**, Bulqizë district, Çermenikë Mts, beneath Mt. Kaptinë, 27.05.2013, from beneath bark of *Fagus sylvatica*, JP-KT-MG-PG (1 larva, MM). – New to Albania.

CERAMBYCIDAE Latreille, 1802

Parmena pubescens pilosa Brullé, 1832 – **Albania**, Vlorë district, Qeparo, macchia with tree spurges W of the village, 12.10.2013, from *Euphorbia dendroides*, JP-KT-MD-PG (2 larvae, 2 specimens, MM). – The species was reported as new to Albania by RAPUZZI & SAMA (2012) from Shkodër (Mali Kolaj).

Prinobius myardi Mulsant, 1842 – **Albania**, Sarandë district, Borsh, plane tree gallery along the Borsh River N of the village, 12.10.2013, from hollow of *Platanus orientalis* (with *Oryctes nasicornis*) JP-KT-MD-PG (1 dead specimen, MM). – The species was reported as new to Albania by RAPUZZI & SAMA (2012) from Durrës (Shetai) and Shkodër (Hani i Hoti).

Rhaesus serricollis (Motschulsky, 1838) – **Albania**, Delvinë district, Gjerë Mts, Muzinë, Syri i Kaltër, 13.10.2013, from hollow of *Platanus orientalis*, JP-KT-MD-PG (1 dead specimen, MM) – **Macedonia**, Southeastern region, Plavuš hills, Valandovo, 04.10.2013, from hollow of *P. orientalis*, KT-MD (1 dead specimen, MM). – Two localities, Tiranë and Vlora Strand were previously known from Albania (HEYROVSKY 1937, 1967).

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References

- BARTOLOZZI, L. & SPRECHER-UEBERSAX, E. (2006): Lucanidae. Pp. 63–76. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Apollo Books, Stenstrup, 690 pp.
- BEKCHIEV, R. & ZLATKOV, B. (2010): On the distribution of *Propomacrus bimucronatus* (Pallas, 1781) (Col.: Eucheridae) in Bulgaria. – Entomologist's Record and Journal of Variation, 122(6): 274–276.
- BEZDEK, A. (2006): Eucheirinae. P. 181. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Apollo Books, Stenstrup, 690 pp.
- CATE, P. C. (2007): Elateridae. Pp. 89–209. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera. Volume 4. Elateroidea – Derodontoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea. Apollo Books, Stenstrup, 935 pp.
- HEYROVSKY, L. (1937): Zweiter Beitrag zur Kenntnis der albanischen Cerambycidae. – Časopis České Společnosti Entomologické, 34: 88–91.
- HEYROVSKY, L. (1967): Ergebnisse der Albanien-Expedition 1961 des Deutschen Entomologischen Institutes. – Beiträge zur Entomologie, 17(3/4): 573–621.
- KODADA, J. & JÄCH, M. A. (2006): Dryopidae. Pp. 441–442. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 3. Scarabaeoidea – Scirtoidea – Dascilloidea – Buprestoidea – Byrrhoidea. Apollo Books, Stenstrup, 690 pp.
- KOVÁCS, T., MERKL, O., NÉMETH, T. & PEŠIĆ, V. M. (2011): True bugs and beetles new to Montenegro and Bulgaria (Insecta: Heteroptera, Coleoptera). – Folia Historico-naturalia Musei Matraensis, 35: 39–42.
- KOVÁCS, T., NÉMETH, T. & MERKL, O. (2012): Beetles new to Albania, Croatia and Serbia (Coleoptera: Elateridae, Cucujidae, Melandryidae, Cerambycidae). – Folia Historico-naturalia Musei Matraensis, 36: 43–44.
- KRELL, F.-T. (2013): Fauna Europaea: *Propomacrus bimucronatus*. – In: ALONSO-ZARAZAGA, M. A. (ed.): Fauna Europaea: Scarabaeiformia. Fauna Europaea version 2.6.2. <http://www.faunaeur.org> [Accessed 3 December 2013.]
- LÖBL, I., MERKL, O., ANDO, K., BOUCHARD, P., LILLIG, M., MASUMOTO, K. & SCHAWALLER, W. (2008): Tenebrionidae. Pp. 105–352. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 5. Tenebrionoidea. Apollo Books, Stenstrup, 670 pp.
- LÖBL, I., ROLCIK, J., KOLIBAC, J. & GERSTMEIER, R. (2007): Cleridae. Pp. 367–384. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 4. Elateroidea – Derodontoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea. Apollo Books, Stenstrup, 935 pp.
- NIETO, A. & ALEXANDER, K. N. A. (2010): European Red List of Saproxyllic Beetles. – Publications Office of the European Union, Luxembourg, viii + 44 pp + 4 pp cover.
- PLATIA, G. & GUDENZI, I. (2006): Click-beetle genera, species, and records new to the Palearctic and Indomalayan Regions (Insecta Coleoptera Elateridae). – Quaderno di Studi e Notizie di Storia Naturale della Romagna, 23: 131–156.
- POLLOCK, D. A. & YOUNG, D. K. (2008): Pyrochroidae. Pp. 414–417. – In: LÖBL, I. & SMETANA, A. (eds): Catalogue of Palaearctic Coleoptera, Volume 5. Tenebrionoidea. Apollo Books, Stenstrup, 670 pp.
- RANIUS, T., AGUADO, L. O., ANTONSSON, K., AUDISIO, P., BALLERIO, A., CARPANETI, G., CHOBOT, M. K., GJURASIN, B., HANSEN, O., HUIJBREGTS, H., LAKATOS, F., MARTIN, O., NECULISEANU, Z., NIKITSKY, N. B., PAILL, W., PIRNAT, A., RIZUN, V., RUICANESCU, A., STEGNER, J., SUDA, I., SZWALKO, P., TAMUTIS, V., TELNOV, D., TSINKEVICH, V., VERSTEIRT, V., VIGNON, V., VÖGELI, M. & ZACH, P. (2005): *Osmoderma eremita* (Coleoptera, Scarabaeidae, Cetoniinae) in Europe. – Animal Biodiversity and Conservation, 28(1): 1–44.
- RAPUZZI, P. & SAMA, G. (2012): Contributo alla conoscenza dei Cerambycidae di Albania (Coleoptera, Cerambycidae). – Atti del Museo Civico di Storia Naturale di Trieste, 55: 181–234.

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