

Beetles from West-Balkan, with new country records (Coleoptera)

TIBOR KOVÁCS & GABOR MESARÓŠ

ABSTRACT: Two species of Coleoptera, *Dorcus peyronis* and *Theophilea subcylindricollis* are recorded for the first time from Albania, *Chalcophorella stigmatica* is recorded for the first time from Montenegro, *Scaphidema metallicum* is recorded for the first time from North Macedonia, and *Eurythyrea aurata* and *Ctenicera virens* are recorded for the first time from Serbia.

Presence of *Osmoderma eremita* sl. in North Macedonia and *Limoniscus violaceus* in Serbia were confirmed after more than 70 years.

The authors provide some recent faunistic data from the Western Balkans. Previously, based on the beetle fauna rich in rare species, the chestnut (*Castanea sativa*) forests (KOVÁCS et al. 2011) and water-defined sycamore (*Platanus orientalis*) forests (KOVÁCS & MERKL 2013) were highlighted. In this article, more beetle record from the latter are presented: *Dorcus peyronis*, *Osmoderma barnabita/lassallei*, *Farsus dubius*, *Ischnodes sanguinicollis*, *Lacon punctatus*, *Iphthiminus italicus croaticus*, *Prinobius myardi*, *Rhaesus serricollis*. Biological values of another important habitat type, the Valonia oak (*Quercus macrolepis*) forests, are also emphasized: *Oryctes nasicornis*, *O. barnabita/lassallei*, *L. punctatus*, *I. italicus croaticus*, *Cerambyx cerdo*, *P. myardi*. The protection of these forest types is very important for the conservation of biodiversity.

Abbreviations: AD = Angyal, Dorka, DL = Dányi, László, HK = Harnos, Krisztián, JP = Juhász, Péter, KT = Kovács, Tibor, MaG = Magos, Gábor, MeG = Mesaróš, Gabor, MD = Murányi, Dávid, OP = Olajos, Péter, PG = Puskás, Gellért, SzG = Szövényi, Gergely; MM = Mátra Museum of the Hungarian Natural History Museum (Gyöngyös).

LUCANIDAE Latreille, 1804

Dorcus peyronis Reiche et Saulcy, 1856 – **Albania**, Sarandë county, Borsh, plane tree gallery along the Borsh River N of the village, 70 m, N40°04.516' E19°51.283', 12.10.2013, from hollow of *Platanus orientalis*, JP, KT, MD, PG (2 dead specimens, MM).

Distribution: Greece, Bulgaria, Armenia, Israel, Syria, Turkey, Iran (BARTOLOZZI et al. 2014) and North Macedonia (KOVÁCS & MERKL 2013). New to Albania.

Lucanus cervus cervus (Linnaeus, 1758) – **Albania**, Shkodër county, Vau i Dejës municipality, Vau i Dejës Lake along the road to Koman, 75 m, N42°01.244', E19°39.665', 27.06.2018, JP, KT, MD (only a photo of the specimen).

SCARABAEIDAE Latreille, 1802

Oryctes nasicornis (Linnaeus, 1758) – **Albania**, Vlorë county, between Himarë and Porto Palermo, *Quercus macrolepis* forest, 160 m, 40°04.749', 19°46.471', 25.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (1 dead specimen, observed). – Vlorë county, M. i Çikës, Palasë, *Quercus macrolepis* forest, 280 m, 40°10.586', 19°36.355', 26.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (1 dead specimen, MM).

Osmoderma barnabita Motschulsky, 1845 – **Serbia**, Raška county, Kopaonik Mts, Jošanička Banja, Đorov most, N43.354954°, E20.743391°, ca. 1000 m, 18.07.1987, T. Trajkovski (3 specimens, 2 coll. D. Pavičević, 1 coll. A. Četković).

Osmoderma barnabita/lassallei – **Albania**, Gjirokaštër county, Dropull municipality, Tsamantas Mts, Sotirë, 480 m, 29.06.2018, 3 larvae observed from hollow of *Platanus orientalis*, JP, KT, MD (only a photo of the specimens). – Vlorë county, M. i Çikës, Palasë, *Quercus macrolepis* forest, 280 m, N40°10'34.36", E19°36'21.52", 26.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (1 dead specimen, MM). – **North Macedonia**, Southeastern region, Belasica Mts, Bašibos, Anska River and its plane tree gallery at Koçuli settlement, N41°18.658' E22°41.717', 310 m, 20.02.2014, from hollow of *P. orientalis*, AD, DL, KT, MD (1 dead specimen, MM); Bašibos, Činarli Stream in mixed deciduous forest N of the village, N41°19.050', E22°41.983', 355 m, 20.02.2014, from hollow of *P. orientalis*, AD, DL, KT, MD (1 dead specimen, MM).

From North Macedonia only one, more than 70 years old data is known: Tetovo, 1941 (MIKŠIĆ 1955). KOVÁCS & MERKL (2013) reported their data on *Osmoderma eremita* from Albania and Montenegro. The Albanian data are probably related to *O. barnabita/lassallei*, while single Montenegrin data is probably related to *O. barnabita*.

BUPRESTIDAE Leach, 1815

Chalcophorella stigmatica (Schoenherr, 1817) – **Montenegro**, Podgorica municipality, Gornji Mileš, Rogamsko brdo, 65 m, 42°23'59.3", 19°18'38.4", 27.06.2015, K. Harnos, T. Kovács, G. Magos (1 specimen, MM).

New to Serbia, see KUBÁŇ (2016).

Eurythyrea aurata (Pallas, 1776) – **Serbia**, Sombor municipality, Rasadnik, Bački Monoštor, 03.07.2020, on a cutted poplar tree, D. Stevanović (1 specimen, coll. MeG).

New to Serbia, see KUBÁŇ (2016).

EUCNEMIDAE Eschscholtz, 1829

Farsus dubius (Piller et Mitterpacher, 1783) – **Albania**, Gjirokaštër county, Tepelenë municipality, Veliqot, woody pasture by the Bënçë River, 160 m, N40°17.210' E20°00.716', 29.06.2018, from *Platanus orientalis* stumps at dusk, JP, KT, MD (8 specimens, MM).

In Albania only one earlier locality is known: Qeserat env. (MERTLIK 2011).

ELATERIDAE Leach, 1815

Ctenicera virens (Schrank, 1781) – **Serbia**, Dimitrovgrad municipality, Besna Kobila Mts, Kriva Feja SE 3860 m, Ruski Put, 1460 m, 42°31'52.5", 22°12'15.2", 22.05.2017, JP, KT, OP (1 specimen, MM). – Dimitrovgrad municipality, Besna Kobila Mts, Veselov čukar, Barje village, 1410 m, 30.05.2019, Mesaroš (1 male, coll. MeG).

New to Serbia, see CATE (2007), KOVÁCS et al. (2012), NÉMETH et al. (2017).

Ischnodes sanguinicollis (Panzer, 1793) – **Albania**, Gjirokaštër county, Dropull municipality, Tsamantas Mts, Sotirë, 480 m, N39°49.199', E20°21.654', 29.06.2018, from hollow of *Platanus orientalis*, JP, KT, MD (1 larva, MM). In Albania only one earlier locality is known: between Shkallë and Shengjin i Math (NÉMETH et al. 2017).

Lacon punctatus (Herbst, 1779) – **Albania**, Vlorë county, Finiq municipality, Gjerë Mts, Krongj, stream S of Syri i Kaltër, 140 m, N39°54.766', E20°11.084', 29.06.2018, from hollow of *Platanus orientalis*, JP, KT, MD (1 specimen, MM). – Vlorë county, M. i Çikës, Palasë, *Quercus macrolepis* forest, 280 m, N40°10.586', E19°36.355', 26.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (1 specimen, MM). – Vlorë county, S of Himarë, grazed mediterranean oak forest, 100-190 m, N40.0814°, E19.7767°, 18.06.2017, from hollow of *Q. macrolepis*, KT, PG, SzG (1 larva, MM).

Limoniscus violaceus (P. W. J. Müller, 1821) – **Serbia**, Prijepolje municipality, Jadovnik Mts, Sopotnica waterfall, N43.303133°, E19.741210°, ca. 500 m, 31.05.2016, late afternoon beaten from beech leaf, MeG (1 female, coll. MeG).

The only published data from Serbia for this species is from the forest area around Majdanpek, which is more than 70 years old (ŽIVONJČIĆ 1950).

TENEBRIONIDAE Latreille, 1802

Ipthiminus italicus croaticus (Truqui, 1857) – **Albania**, Gjirokaštër county, Tepelenë municipality, Veliqot, woody pasture by the Bënçë River, 160 m, N40°17.210' E20°00.716', 29.06.2018, from *Platanus orientalis* stump at dusk, JP, KT, MD (1 specimen, MM). – Vlorë county, between Himarë and Porto Palermo, *Quercus macrolepis* forest, 160 m, 40°04.749', 19°46.471', 25.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (2 specimen, MM).

Scaphidema metallicum (Fabricius, 1792) – **North Macedonia**, Southeastern region, Dojransko Basin, Nikolić, 250 m, N41°15.550', E22°43.960', 06.05.2014, KT, MD (1 specimen, MM).
New to North Macedonia, see IWAN et al. (2020).

CERAMBYCIDAE Latreille, 1802

Akimerus schaefferi (Laicharting, 1784) – **Croatia**, Kneževi Vinogradi / **Serbia**, Kupusina village, 03.07.2020, on an old oak tree, MeG (1 male, coll. MeG).

The species is known from Croatia but not from Serbia (DANILEVSKY 2020). The data on the exact affiliation of the findings to the state is unclear because it was registered on a small area at the left bank of Danube river which catastrophically belongs to Croatia but geographically belongs to inundation forest area managed by Serbia, and two states are disputing about exact borderline.

Calamobius filum (Rossi, 1790) – **Albania**, Llogara Mts, rocky grasslands, 1370 m, N40.2013°, E19.5644°, 17.06.2017, sweeping, KT, PG, SzG (1 specimen, MM).

In Albania only one earlier locality is known: Logara (HEYROVSKY 1937, 1967).

Cerambyx cerdo Linnaeus, 1758 – **Albania**, Vlorë county, between Himarë and Porto Palermo, *Quercus macrolepis* forest, 160 m, 40°04.749', 19°46.471', 25.06.2015, HK, KT, MaG (1 specimen, observed).

Helladia flavescens (Brullé, 1832) – **Albania**, Korçë county, Opari area, Gjinikas, rocky roadside vegetation N of the village, 625 m, N40°41.580', E20°29.787', 12.05.2014, KT, MD (1 specimen, MM).

In Albania only one earlier locality is known: Coritza (RAPUZZI & SAMA 2012).

Pilemia tigrina (Mulsant, 1851) – **Serbia**, Knjaževac municipality, Štrbac, 280 m, N43°30'50.3", E22°18'23.81", 07.05.2017, from *Anchusa barrelieri*, G. Katona, Á. Kiss, T. Korompai (2 specimens, MM). – Svrlijig municipality, Tijovac, Tresi baba, 630 m, 43°27'55.4", 22°12'44.7", 23.05.2017, from *A. barrelieri*, JP, KT, OP (1 specimen, MM).

Prinobius myardi Mulsant, 1842 – **Albania**, Gjirokaštër county, Tepelenë municipality, Veliqot, woody pasture by the Bënçë River, 160 m, N40°17.210' E20°00.716', 29.06.2018, from *Platanus orientalis* stump at dusk, JP, KT, MD (1 specimen, MM). – Vlorë county, between Himarë and Porto Palermo, *Quercus macrolepis* forest, 160 m, 40°04.749', 19°46.471', 25.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (1 dead specimen, MM). – Vlorë county, M. i Çikës, Palasë, *Quercus macrolepis* forest, 280 m, 4010.586', 1936.355', 26.06.2015, from hollow of *Q. macrolepis*, HK, KT, MaG (4 dead specimen, MM).

Rhaesus serricollis (Motschulsky, 1838) – **Albania**, Vlorë county, Finiq municipality, Gjerë Mts, Krongj, stream S of Syri i Kaltër, 140 m, N39°54.766', E20°11.084', 29.06.2018, from hollow of *Platanus orientalis*, JP, KT, MD (1 dead specimen, MM).

Theophilea subcylindricollis Hladil, 1988 – **Albania**, Llogara Mts, rocky grasslands, 1370 m, N40.2013°, E19.5644°, 17.06.2017, sweeping, KT, PG, SzG (1 specimen, coll. MM).

New to Albania, see: RAPUZZI & SAMA (2012), KOVÁCS (2015), KOVÁCS & MERKL (2013), KOVÁCS et al. (2015). The specimen was collected together with *Calamobius filum* at a surprisingly high altitude.

Acknowledgements: The authors' thanks are due to Nikola Rahme (Budapest), Kálmán Székely (Budapest) for help in identification, to Dorka Angyal, László Dányi, Dávid Murányi, Gellért Puskás (former associates of Hungarian Natural History Museum, Budapest but, from the end of 2020, none of them work there), Péter Juhász, Péter Olajos (Hortobágy National Park Directorate, Debrecen), Krisztián Harnos, Gábor Magos (Bükk National Park Directorate, Eger) and Gergely Szövényi (Eötvös Loránd University, Department of Systematic Zoology and Ecology, Budapest) for help in the field work, and to Gergely Katona (HNHM, Budapest), Ádám Kiss (Mátra Museum of the HNHM, Gyöngyös), Tamás Korompai (BNPD, Eger) for providing their data.

References

- BARTOLOZZI, L., GHAHARI, H., SPRECHER-UEBERSAX, E. & ZILIOLI, M. (2014): A checklist of stag beetles (Coleoptera: Scarabaeoidea: Lucanidae) from Iran. – *Zootaxa*, 3887(3): 422–436.
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.

- DANILEVSKY, M. L. 2020 (ed.): Catalogue of Palaearctic Coleoptera, Volume 6(1), Chrysomeloidea I (Vesperidae, Disteniidae, Cerambycidae). – Revised and updated edition. Leiden, Boston: Brill, 712 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.
- IWAN, D., LÖBL, I., BOUCHARD, P., BOUSQUET, Y., KAMINSKI, M., MERKL, O., ANDO, K. & SCHAWALLER, W. (2020): Tenebrionidae Latreille, 1802. Pp. 104–475. – In: IWAN, D. & LÖBL, I. (ed.): Catalogue of Palaearctic Coleoptera. Volume 5. Tenebrionidae. Revised and Updated Second Edition. Brill, 970 pp.
- KOVÁCS, T. (2015): Three longhorn beetles new to the fauna of Albania (Coleoptera: Cerambycidae). – Folia historico-naturalia Musei Matraensis, 39: 53–54.
- KOVÁCS T. & MERKL O. (2013): Beetles from Albania, Macedonia and Montenegro, with new country records (Coleoptera). – Folia historico-naturalia Musei Matraensis, 37: 89–92.
- 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.
- KOVÁCS, T., NÉMETH, T. & MERKL, O. (2015): Beetles new to Albania and Macedonia (Coleoptera: Elateridae, Cleridae, Endomychidae, Tenebrionidae, Cerambycidae). – Folia historico-naturalia Musei Matraensis, 38(2014): 83–86.
- KUBÁŇ, V. (2016): Buprestinae Lacordaire, 1857 (except Anthaxiini). Pp. 494–524. – In: LÖBL, I. & LÖBL, D. (ed.): Catalogue of Palaearctic Coleoptera. Volume 3. Scarabaeoidea, Scirtoidea, Dascilloidea, Buprestoidea, Byrrhoidea. Revised and Updated Edition. Leiden, Boston: Brill, 983 pp.
- MERTLIK J. (2011): New data on the distribution of three species of the family Lissomidae and Melasidae (Coleoptera). – Elateridarium, 5: 55–58.
- MIKŠIĆ, R. (1955): Fauna insectorum Balcanica - Scarabaeidae. – Godišnjak Biološkog instituta Univerziteta u Sarajevu, 6(1–2) (1953): 49–281.
- NÉMETH, T., LAUŠ, B. & TALLÓSI, B. (2017): New distributional data on Elateroidea for Albania, Bulgaria, Croatia, Greece, Macedonia, Montenegro and Serbia (Coleoptera: Elateridae, Eucnemidae). – Folia entomologica hungarica, 78: 47–56.
- 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.
- ŽIVOJINOVIĆ S. (1950): Fauna insekata šumske domene Majdanpek (Entomološka Monografija). [Insect fauna of Majdanpek forest domain (Entomological Monograph).] – Srpska akademija nauka. Belgrade, 262 pp. [in Serbian]

Tibor KOVÁCS
 Mátra Museum of the Hungarian Natural History Museum
 Kossuth Lajos u. 40.
 H-3200 Gyöngyös, Hungary
 E-mail: koati1965@gmail.com

Gabor MESAROŠ
 Lazarevačka 2
 24000 Subotica, Serbia
 E-mail: mesaros.gabor@gmail.com