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FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 563

Coleoptera: Staphylinidae: Pselaphinae, Scydmaeninae

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Pselaphinae

Euplectus duponti Aubé, 1833. Bohemia bor., Děčín-Nebočady env., peninsula on the right bank of the Elbe river, Nebočadský luh Natural Monument (5251), 50°43′21″N, 14°11′27″E, 125 m a.s.l., 27.vii.–15.viii.2021, 1 ♂ (Fig. 1), 16.–27.vii.2021, 1 ♀ (Fig. 2), both specimens collected using a flight interception trap in a fragment of floodplain forest (Figs 8–9), P. Brůha & M. Michalega leg., M. Švarc det., coll. L. Blažej (♀) & M. Švarc (♂).

European species known from Austria, Croatia, Denmark, France, Germany, Great Britain, Ireland, Macedonia, The Netherlands, Poland, Slovenia, Spain, Switzerland, and introduced to the Canary Islands (Besuchet 1974, Schülke & Smetana 2015a). The Western European occurrence of the species with findings from Germany is reported by Horion (1949). Details of the finding in Poland (Masurian Lake District) are given by Gawrónski & Oleksa (2006) from decayed wood and a layer of leaf litter at the foot of a dead elm in a wet forest near an old park at an altitude of 112 m a.s.l. A record from rotting wood is also known from Latvia (Telnov 1997). Both specimens reported here were collected using a flight interception trap surrounded by a large amount of rotting wood and old trees with cavities (mainly poplars, willows, and elms). New species for the Czech Republic.

Scydmaeninae

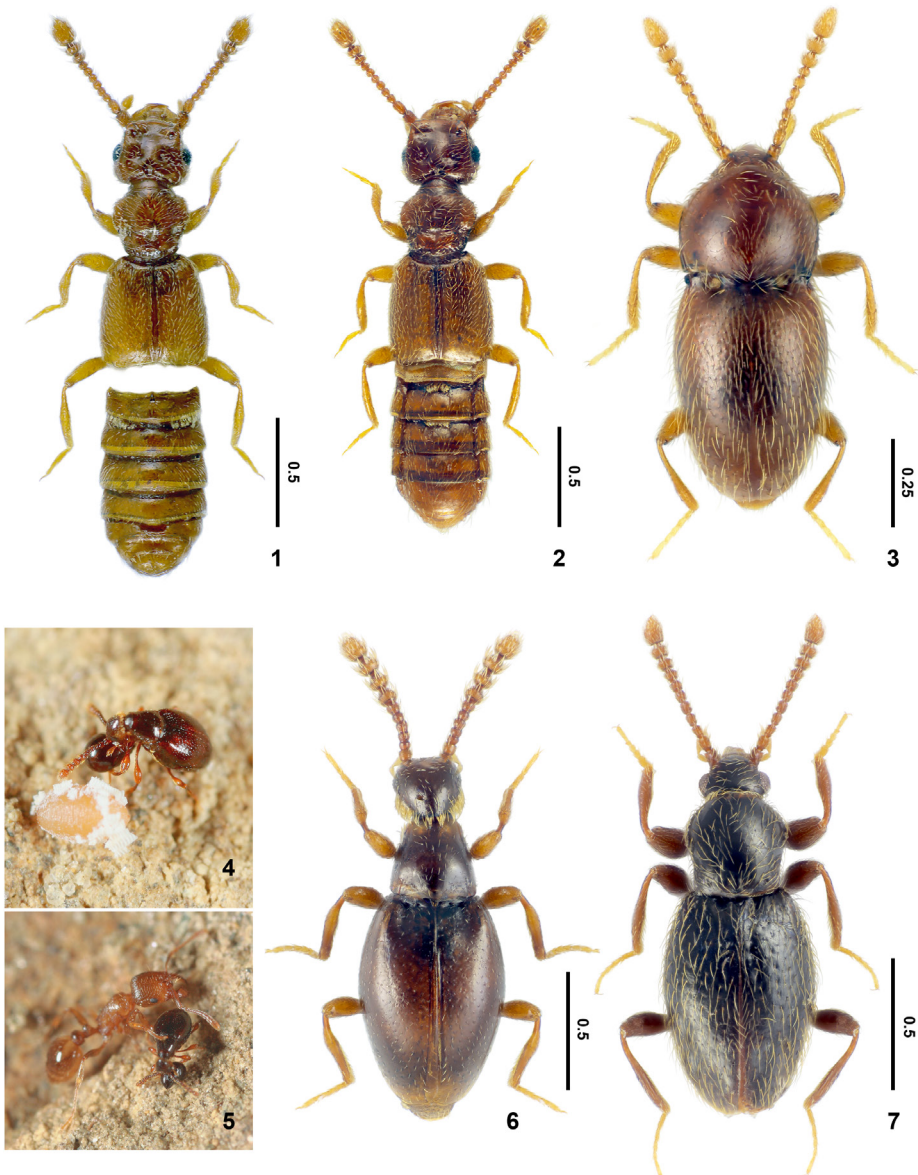
Cephennium* (*Cephennium*) *carpathicum carpathicum Saulcy, 1878. Bohemia bor.: Česká Lípa, city park near the church in the city centre (5353), 50°41′21″N, 14°32′27″E, 275 m a.s.l., 19.v.2023, 1 ♂ (Fig. 3), from sifting a rotting linden stump with colonies of *La-*

sius sp., L. Blažej leg., det. et coll., A. Šíma revid.; same locality, 13.–24.v.2024, 1 ♀, from a pitfall trap installed near an old rotting willow stump, L. Blažej leg., det. et coll.; same locality, 10.vi.2024, 1 ♂, 1 ♀, from sifting a layer of leaf litter and the underground part of the rotting roots of the willow stump (Figs 10–11), L. Blažej leg., det. et coll.; same locality, 14.vi.2024, 1 ♀, from sifting rotting roots of a willow stump at a depth of 50 cm, L. Blažej leg. et det., coll. A. Šíma.

Alpine-Carpathian species known from Austria, Czech Republic, Germany, Hungary, Poland, and Slovakia (Schülke & Smetana 2015b), also reported from Bulgaria (Besuchet 1971) and Romania (Nae et al. 2005). According to Majzlan (1999) the species has a preference for forests with humus-rich soil and it is an indicator of well-preserved forests. An association with ants (Majzlan 1999) is highly doubtful. *Cephennium carpathicum* was also reported from caves in Piatra Craiului National Park, Romania (Nae et al. 2005). In the Czech Republic it has been reported so far from Moravia, from the foot of the Beskydy Mts (Machulka 1949, Rous 1993, Zahradník 2017). The several records reported here from a park in the city centre of Česká Lípa are likely to be connected to introduction through gardening or park planting. New species for Bohemia.

Euconnus* (*Napochus*) *chrysocomus (Saulcy, 1864). Bohemia bor., Srní u České Lípy, environs of sand pit (5353), 50°38′22″N, 14°34′47″E, 275 m a.s.l., 29.iv.–17.v.2017, 1 ♀ (Fig. 6), from pitfall traps installed in heath overgrown with pine and birch overgrowth, L. Blažej leg. et coll., A. Šíma det. Moravia occ., Třebíč (6761), 2 spec., without date or collector's name, but label and material condition correspond to the turn of the 19th and 20th centuries, A. Šíma det., coll. South Moravian Museum in Znojmo. Moravia mer.: Pouzdřany, the southern slope of the Uherčické nové hory hill (308 m a.s.l.), Pouzdřanská steppe – Kolby National Natural Monument, the edge of an abandoned field on top of a hill (7065), 48°56′48″N, 16°38′31″E, 285 m a.s.l., 3.iv.2007, 5 spec., 20.iv.2008, 5 spec., 22.iv.2009, 2 spec., 3.iv.2011, 1 spec., 12.iv.2011, 1 spec., 4.iv.2014, 2 spec., 2.iv.2016, 2 spec., all M. Švarc leg. et observ., det. et coll. (3 spec.).

The species is known from Austria, Czech Republic, France, Georgia, Germany, Hungary, Italy, Macedonia, Slovakia, and Spain (Hlaváč & Lackner 1998), it also extends to the Asian part of Turkey (Schülke & Smetana 2015b). Obligate myrmecophile living with the ants *Tetramorium caespitum* (Linnaeus, 1758) and *Aphaenogaster barbara* Shattuck, 2008 mainly on xerothermic, rocky steppes, and pasture edges (Franz 1971, Koch 1989). Recent findings from Slovakia also gave *Formica polyctena* Foerster, 1850 as a host ant (Jászay & Hlaváč 2016). More findings from Praha and Mikulov are reported from the Czech Republic (Reitter 1882, Lokay 1905, Fleischer 1927, Machulka 1949b). In Bohemia, the first finding came from the Závist locality in Praha-Zbraslav dated 20.iv.1858, followed by more findings from Závist to Davle in the west Praha district or in the village of Jirny in the east Praha district (Lokay 1905). The locality in Měchenice in the west Praha district, where it supposedly occurred in abundance, has already disappeared after afforestation (Krása 1911–1913). A finding from Vrané nad Vltavou is mentioned by Machulka (1949b) and its continuous abundant occurrence in the Zvolská homole Nature Reserve, in the vicinity of village of Zvole, is mentioned by Krása (1911–1913). Pecina (1980) mentions the findings by J. Roubal at this locality before 1955. A historical find from Saxony, from Pirna, was reported from the immediate vicinity of northern Bohemia (Machulka 1949b, Peschel 2010). In Pouzdřany, adult beetles were found on the undersides of stones with colonies of *T. caespitum,* along with unidentified black



Figs 1–7. 1–2 – *Euplectus duponti* Aubé, 1833 – male, abdomen ventrally (1), and female (2). 3 – *Cephennium carpathicum carpathicum* Saulcy, 1878 – male. 4–5 *Euconnus chrysocomus* (Saulcy, 1864) – predation of mites in nests of the ant *Tetramorium caespitum* (Linnaeus, 1758). 6 – *E. chrysocomus* – female. 7 – *Stenichnus collaris subseriatus* Franz, 1960 – male. Scales in mm. Photographs by P. Baňař (1–3, 6–7) and M. Švarc (4–5).
Obr. 1–7. 1–2 – *Euplectus duponti* Aubé, 1833 – samec, abdomen ventrálně (1) a samice (2). 3 – *Cephennium carpathicum carpathicum* Saulcy, 1878 – samec. 4–5 – *Euconnus chrysocomus* (Saulcy, 1864) – predace roztočů v hnízdech mravence *Tetramorium caespitum* (Linnaeus, 1758). 6 – *E. chrysocomus* – samice. 7 – *Stenichnus collaris subseriatus* Franz, 1960 – samec. Měřítka v mm. Foto P. Baňař (1–3, 6–7) a M. Švarc (4–5).

mites (Acari). In two cases, the beetles were observed feeding on these mites (Figs 4–5). All observations were made in the morning during warm, clear weather. Confirmation of recent occurrence in Bohemia and the most recent data from a long-known locality in Moravia.

Stenichnus* (*Stenichnus*) *collaris subseriatus Franz, 1960. Bohemia bor.: Brtníky-Staré Křečany, valley of Vlčí potok stream (5052), 50°56′02″N, 14°25′53″E, 395 m a.s.l., 20.v.–16.vi.2021, 2 ♂♂, 16.vi.–7.vii.2021, 2 ♂♂, 17.v.–15.vi.2023, 2 ♂♂, 15.vi.–19.vii.2023, 1 ♂, all specimens from a Malaise trap installed in a clearing in a stand of waterlogged spruce decayed after bark beetle attacks (Fig. 12), L. Blažej & D. Vébrová leg., L. Blažej det. et coll.; Doksy, around Klůček hill (304 m a.s.l.), Swamp National Natural Monument (5453/5454), 50°34′29″N, 14°39′53″E, 270 m a.s.l., 12.ii.2020, 1 ♂, sifting pine stumps with colonies of *Lasius brunneus* (Latreille, 1798) on the shore of a bog pond, L. Blažej leg., det. et coll.; Doubice, valley of Červený potok stream (5052), 50°54′02″N, 14°24′52″E, 305 m a.s.l., 7.vii.–10.viii.2021, 1 ♂, specimen from a Malaise trap installed in a clearing in a stand of waterlogged spruce decaying after bark beetle attacks, L. Blažej & D. Vébrová leg., L. Blažej det. et coll.; Jetřichovice-Zadní Jetřichovice env., floodplain of the Křinice stream (5152), 50°53′50″N, 14°21′51″E, 250 m a.s.l., 6.–12.vi.2018, 1 ♂, specimen from a window trap installed at the edge of a floodplain and mixed forest, near a fallen beech trunk, P. Brůha & M. Michalega leg., L. Blažej det., coll. P. Brůha (cf. Brůha et al. 2022); Jablonec nad Nisou-Lukášov, Lukášov Natural Monument (5256), 50°45′05″N, 15°07′37″E, 7.ix.2016, 1 ♂, P. Vonička leg. et coll., L. Blažej det.; Srbská Kamenice, floodplain of the Kamenice stream, Arba Nature Reserve (5152), 50°49′12″N, 14°21′21″E, 210 m a.s.l., 26.v.–25.vi.2023, 2 ♂♂ (Fig. 7), specimens from a Malaise trap installed on a waterlogged, peaty meadow near an alder stand (Fig. 13), L. Blažej & J. Hejduk leg., L. Blažej det. et coll.; Srní near Česká Lípa, Okrešice mining area, pine forest at the edge of a sand pit (5353), 50°38′37″N, 14°34′29″E, 275 m a.s.l., 10.vi.2021, 1 ♂, sifting rotting pine stumps with colonies of *Camponotus* sp. and *Lasius* sp. ants, L. Blažej leg., det. et coll.. Bohemia centr., Nový Vestec, Jizera river floodplain, Černý orel Natural Monument (5854), 50°11′21.5″N, 14°44′34.5″E, 175 m a.s.l., 3.iv.2010, 1 ♂, by sifting four-day-old flood deposits, A. Šíma leg., det. et coll. Bohemia occ., Domažlice (6543), without date, 2 ♂♂, A. Růžička leg., A. Šíma det., coll. Museum of East Bohemia in Hradec Králové (ex coll. J. Volák). Moravia bor.: Hnojník vill. (6377), without date, 1 ♂, Th. v. Wanka leg., A. Šíma det., coll. Museum of East Bohemia in Hradec Králové (ex coll. J. Volák); Zábřeh, Dolní Benešov env., meadow in the floodplain of the Štěpánka stream (6074), 49°54′55″N, 18°04′42″E, 225 m a.s.l., 18.x.2020, 1 ♂, from sifting alluvial detritus, M. Mantič leg., det. et coll.; Hlučín-Vinná Hora, Vinná hora hill (287 m a.s.l.), linden alley on the south-eastern slope (6175), 49°52′53″N, 18°10′60″E, 270 m a.s.l., 20.x.2001, 1 ♂, sifting moss growth at the foot of linden trees (Fig. 14), M. Mantič leg., det. et coll.

Figs 8–11. 8 – Floodplain forest refugium on the right bank of the Elbe River, habitat of *Euplectus duponti* Aubé, 1833, Děčín-Nebočady, April 2022. 9 – Window trap in Děčín-Nebočady, April 2021. 10 – Habitat of *Cephennium carpathicum carpathicum* Saulcy, 1878 in the peripheral part of the city park near the church in the centre of Česká Lípa, December 2024. 11 – Interior of the city park near the church in the centre of Česká Lípa, December 2024. Photographs by L. Blažej (8, 10–11) and P. Brůha (9).

Obr. 8–11. 8 – Refugium lužního lesa na pravém břehu řeky Labe, biotop *Euplectus duponti* Aubé, 1833, Děčín-Nebočady, duben 2022. 9 – Okenní past na lokalitě v Nebočadech, duben 2021. 10 – Biotop *Cephennium carpathicum carpathicum* Saulcy, 1878 v okrajové části městského parku u kostela v centru České Lípy, prosinec 2024. 11 – Interiér městského parku u kostela v centru České Lípy, prosinec 2024. Fotografie L. Blažej (8, 10–11) a P. Brůha (9).


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Originally a Caucasian subspecies (Schülke & Smetana 2015b), recently reported from England and Finland (Clayhills 2020), Germany (Esser 2019, Bellmann et al. 2020, Brunk et al. 2020, Hartmann et al. 2020, Schülke 2020), Poland (Sapieja 2022), and Sweden (Lundkvist & Fägerström 2021), from Caucasian region new findings are from Armenia and Azerbaijan (Assing & Schülke 2019). It is distinguished from the nominate subspecies by the shape of the apical part of the aedeagus (Franz 1960, Sapieja 2022), sometimes it is listed as a separate species (Assing & Schülke 2019, Sapieja 2022). Future elevation of this subspecies to the species level would be justified (the distribution area of the two taxa is overlapping, with frequent sympatric occurrences). It occurs sympatrically with the nominate subspecies in most of the North Bohemian localities discussed. All the mentioned findings were from waterlogged and at least partially open biotopes. An exception is a site of xerothermic character at the edge of a sand pit (Srní near Česká Lípa). Recent and historical confirmation of occurrence of new subspecies for the Czech Republic.

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Figs 12–14. Habitats of *Stenichnus collaris subseriatus* Franz, 1960. 12 – Waterlogged forest clearing with Malaise trap in decaying spruce stand after recent bark beetle attacks, Brtníky-Staré Křečany, Vlčí potok valley, June 2023. 13 – Peaty meadow in the floodplain of the Kamenice river, Srbská Kamenice, May 2023. 14 – Linden alley on the south-eastern slope of Vinná hora hill, Hlučín-Vinná Hora, March 2021. Photographs by L. Blažej (12–13) and M. Mantič (14).

Obr. 12–14. Biotopy *Stenichnus collaris subseriatus* Franz, 1960. 12 – Podmáčená mýtina s Malaiseho pastí ve smrkovém porostu během jeho rozpadu po nedávné gradaci kůrovce, Brtníky-Staré Křečany, údolí Vlčího potoka, červen 2023. 13 – Rašelinná louka v nivě Kamenice, Srbská Kamenice, květen 2023. 14 – Alej lip na jihovýchodním svahu Vinné hory, Hlučín-Vinná Hora, březen 2021. Fotografie L. Blažej (12–13) a M. Mantič (14).


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