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MYCETOPHILIC SPECIES OF HYDROPHILIDAE FROM BELARUS

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The terrestrial hydrophilid beetles are not typically mycetobiont. These beetles are rarely observed on fungi and myxomycetes and are mycetophilic species (Smetana, 1978, 1988; Nikitsky, 1996; Ryndevich, 1991; 2004, 2007; Ryndevich, Prokin, 2017; Ryndevich, Shatrovsky, 1995; Ryndevich et al., 2017, 2021; Tsinkevich & Lukashenya, 2017). They are saprobiont species and live mainly in the excrement of vertebrates and decaying plant remains. Currently 59 species of water scavenger beetles are noted in Belarus (Ryndevich 2005; Ryndevich et al. 2014). Nine species in the Belarusian fauna have been found on rotten mushrooms and are listed below.

Sphaeridiinae Latreille

Cercyon haemorrhoidalis (Fab.) – Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of xylotrophic fungi (Tsinkevich & Lukashenya 2017).

Cercyon impressus (Sturm) – Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* (Bull.) Murrill (Tsinkevich & Lukashenya 2017).

Cercyon lateralis (Marshall) – 2 km YuV Vitebska [SE Vitebsk], griby veshenki [oyster mushrooms *Pleurotus ostreatus* (Jacq.) Kumm.], 31.VII.1990, leg. Solodovnikov I.A. [in Russian], 1 specimen.

Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* and *Piptoporus betulinus* (Bull.) Karsten (Tsinkevich & Lukashenya 2017).

Cercyon melanocephalus (L.) – Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* and *Piptoporus betulinus* (Tsinkevich & Lukashenya 2017).

Cercyon quisquilius (L.) – Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* (Tsinkevich & Lukashenya 2017).

Cryptopleurum minutum (Fab.) – Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* (Tsinkevich & Lukashenya 2017).

Megasternum concinnum (Marshall) – [Brest reg., Belovezhskaya Pushcha National Park], kv. 264, kislichnaya dubrava [oxalis oak forest], 27.IV.2016, leg. O.V. Prishchepchik [in Russian], 1 specimen; Brest reg., Baranovich district, Stronga reserve, near v. Vershok, on rotten *Paxillus involutus* Batsch) Fr. 14.VIII.2023, leg. Ryndevich S.K., 1 specimen (Fig. 1). Minsk reg., Nesvizh district, 3 km E Gorodeya, forest, on rotten bolete (*Leccinum* sp.), 16.VIII.1994, leg. Ryndevich S.K., 1 specimen; 2 km N Gorodeya, afforestation along the railroad, on rotten *Pleurotus ostreatus*, 15.VIII.2001, leg. Ryndevich S.K., 1 specimen. Vitebskaya obl. [Vitebsk region], Rossonskiy r-n [Rossony district], Yukhovichi, bliz reki Nishchi [near river Nischa], na gribakh [on mushrooms], 10.08.89, leg. Saluk S.V. [in Russian], 1 specimen. Vitebsk reg., Lepel district, Berezinsky reserve., near v. Kraytsy, on fungi, 2.VI.1994, leg. Ryndevich S.K., 1 specimen. Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus*



Figure 1 *Megasternum concinnum* on lower side of the mushroom body of *Paxillus involutus*

sulphureus (Tsinkevich & Lukashenya 2017; Ryndevich 2017) and for Vitebsk region from fungi (Ryndevich 1991).

Sphaeridium bipustulatum Fab. – Minsk reg., Nesvizh district, 2 km NW Gorodeya, forest, on rotten myxomycetes in rotting poplar wood (*Populus x canadensis* Moench, 1785), 9.V.1985, leg. Ryndevich S.K., 3 specimens. Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* (Tsinkevich & Lukashenya 2017).

Sphaeridium scarabaeoides (L.) – Minsk reg., Nesvizh district, 2 km NW Gorodeya, forest, on rotten myxomycetes in rotting poplar wood (*Populus x canadensis*), 9.V.1985, leg. Ryndevich S.K., 1 specimen. Listed for Belovezhskaya Pushcha National park from rotting fruiting bodies of *Laetiporus sulphureus* (Tsinkevich & Lukashenya 2017).

Most species of water scavenger beetles (eight) have been found on rotting bodies of crab-of-the-woods *Laetiporus sulphureus*, also known as chicken-of-the-woods. Two species are recorded from the birch polypore *Piptoporus betulinus* and oyster mushroom *Pleurotus ostreatus*. Only one species of beetle is known from boletus (*Leccinum* sp.) and brown roll-rim *Paxillus involutus* (Batsch) Fries. All nine species of mycetophilic water scavenger beetles known from the territory of Belarus live on rotting fruiting bodies of xylotrophic fungi. Two species of *Sphaeridium* have been collected on myxogastrids (Myxogastria).

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NEW SICILIAN ROCKPOOL *OCHTHEBIUS*

O. senczuki joins *O. biltoni* Jäch & Delgado as Sicilian endemic *Ochthebius* (*Cobalius*) species, and it seems that some *Ochthebius* near *adriaticus* Reitter could be yet another one (see Sabatelli *et al.* 2021, noted in *Latissimus* **50** 35). The 18 known species of *Cobalius* are listed and discussed.

SABATELLI S, BARTOCCI S, D'AMICI C & AUDISIO P 2023. A new species of *Ochthebius* (*Cobalius*) (Coleoptera: Hydraenidae: Ochthebiinae) inhabiting marine rockpools in NW Sicily. *European Zoological Journal* **90** 790-799.

SABATELLI S, RUSPANTINI P, CARDOLI P & AUDISIO P 2021. Underestimated diversity: cryptic species and phylogenetic relationships in the subgenus *Cobalius* (Coleoptera: Hydraenidae) from marine rockpools. *Molecular Phylogenetic and Evolution* **163** doi.org/10.1016/j.mpev.2021.107243 pp 14.

KENTISH FINDS IN LINED PONDS

Hydrovatus cuspidatus remains a rare species in England, confined (mapped here) to the east coast of East Anglia, Kent and Sussex. Other species reported include *Graptodytes bilineatus* (Sturm) and *Pelenomus canaliculatus* (Fåhræus). It is noted a layer of substrate over the pond lining is important to provide pupation sites.

DENTON J 2023. *Hydrovatus cuspidatus* (Kunze) (Coleoptera: Dytiscidae) in West Kent, with notes on other uncommon water beetle species occupying artificially lined ponds. *British Journal of Entomology and Natural History* **36** 213.

