DATA ON BEETLE (COLEOPTERA) SPECIES NEW FOR LITHUANIAN FAUNA

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Introduction

After inspection of newly collected and preserved material in the collections of the Laboratory of Entomology, Institute of Ecology, 18 Coleoptera species new for the Lithuanian fauna were determined. Almost all species were expected to be found in Lithuania, according to Tamutis *et al*. (2011).

Material and methods

The material was collected during field research in different districts of Lithuania. Beetles were collected by sweeping nets, Barber‘s traps in different habitats, window traps, Malaise trap and light traps with 150 W and 300 W lamps. The material is deposited in the collection of Laboratory of Entomology, Institute of Ecology, Nature Research Centre. Several abbreviations are used in the text, namely: J.R. - Jolanta Rimšaitė; P.I. - Povilas Ivinskis; Land. R. - Landscape Reserve. Identification keys by Freude *et al.* (1965–1989) were used.

List of localities

Curonian Spit	Alksnynė, burned *Pinus mugo* f.	55°38'34"N, 21°07'23"E;
	Juodkrantė (1)	55°31'28"N, 21°06'44"E;
	Juodkrantė (2), colony of cormorants	55°31'08"N, 21°06'41"E;
	Juodkrantė (3), colony of cormorants, Malaise trap	55°31'13"N, 21°06'43"E;
	Juodkrantė (4), colony of cormorants	55°31'04"N, 21°06'43"E;
	Nagliai Nat. R., alder f.	55°26'13"N, 21°04'27"E;
Kėdainiai district	Saviečiai	55°09'09"N, 23°58'53"E;
Trakai district	Semeliškių Miškas f.	54°38'46"N, 24°38'49"E;
Vilnius district	Bezdonys	54°48'15"N, 25°31'54"E;
	Kalniškės	54°50'48"N, 25°10'38"E.

List of species

DYTISCIDAE

***Agabus (Acatodes) clypealis* (Thomson, 1867)**

Bezdonys, 09 1966, 1 spec. collector unknown.

Species is also known in Latvia (Barševskis *et al*., 2005), Kaliningrad region (Alekseev, 2010), southern Sweden (Lundberg & Gustafsson, 1995), Poland

(Burakowski *et al*., 1976), Belarus (Alexandrovitch *et al*., 1996). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

STAPHYLINIDAE

***Aleochara haematoptera ripicola* Mulsant & Rey, 1874**

Juodkrantė (4), 10–28 05 2012, 1 spec.; Juodkrantė (2), 28 05 2012–11 06 2012, 1 spec. (P.I.& J.R.).

Species is also known in Estonia, Finland (Silfverberg, 2004), Belarus (Alexandrovich *et al*., 1996). Tamutis *et al*. (2011) considered this species as expected for Lithuania..

***Atheta oblita* (Erichson, 1839)**

Juodkrantė (2), 09–27 07 2012, 1 spec. (P.I.& J.R.).

Species is also known in Denmark, southern Sweden, Estonia (Lundberg *&* Gustafsson, 1995; Silfverberg, 2004). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Atheta xanthopus* (Thomson, 1856)**

Juodkrantė (4), 03–17 09 2012, 2 spec. (P.I.& J.R.).

Species is also known in Denmark, Estonia, southern Sweden (Lundberg *&* Gustafsson 1995; Silfverberg, 2004). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Atheta triangulum* (Kraatz, 1856)**

Juodkrantė (4), 05–20 05 2013, 2 spec. (P.I.& J.R.).

Species is also known in Latvia (Telnov, 2004), Denmark, southern Sweden (Lundberg *&* Gustafsson, 1995; Silfverberg, 2004).

***Anthobium unicolor* (Marsham, 1802)**

Alksnynė *Pinus mugo* f., 20 05–03 06 2013, 1 spec. (P.I.& J.R.).

Species is also known in southern and central Sweden (Lundberg *&* Gustafsson, 1995), northern Poland (Burakowski *et al*., 1979). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Carpelimus (Trogophloeus) heidenreichi* (Benick, 1934)**

Semeliškių Miškas f., 10 08 2010, 6 spec. (P.I.); Kalniškės, 06–08 08 2010, 8 spec. (P.I.).

Species is also known in Latvia (Telnov, 2004); southern Sweden (Lundberg *&* Gustafsson 1995; Silfverberg, 1992, 2004). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Euplectus brunneus* (Grimmer, 1841)**

Juodkrantė (2), 20 08 2012–03 09 2012, 1 spec.; 03–17 09 2012, 1 spec. (P.I.& J.R.).

Species is also known in Denmark, southern Sweden (Lundberg *&* Gustafsson, 1995), Belarus (Alexandrovich *et al*., 1996), Poland (Burakowski *et al*., 1978). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Mycetoporus solidicornis reichei* (Pandelle, 1869)**

Juodkrantė (1), 01–15 07 2013, 2 spec. (P.I.& J.R.).

Species is also known in northwestern Belarus (Alexandrovich *et al*., 1996), Estonia (Silfverberg, 1992, 2004). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Oligota pumilio* Kiesenwetter, 1858**

Juodkrantė (2), 28 05 2012–11 06 2012, 1 spec. (P.I.& J.R.).

Species is also known in Poland (Burakowski *et al*., 1980), Latvia (Cibulskis *&*

Petrova, 2002), Denmark, southern Sweden (Lundberg & Gustafsson, 1995; Silfverberg, 1992, 2004), Belarus (Alexandrovich *et al*., 1996). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Oxypoda brachyptera* (Stephens, 1832)**

Alksnynė, 25 06 2012–09 07 2012, 1 spec. (P.I.& J.R.).

Species is also known in Denmark, southern Sweden, Estonia (Lundberg & Gustafsson, 1995), Belarus (Alexandrovich *et al*., 1996). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Phyllodrepa (Phyllodrepa) melanocephala* (Fabricius, 1787)**

Juodkrantė (3), 03–17 2012, 1 spec. (P.I.& J.R.).

Species is also known in Latvia (Telnov, 2004), throughout Sweden, Estonia, Denmark (Lundberg & Gustafsson, 1995), north-western Belarus (Alexandrovich *et al*., 1996), throughout Poland (Burakowski *et al*., 1979). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Sepedophilus constans* (Fowler, 1888)**

Juodkrantė (4), 15–30 10 2012, 1 spec. (P.I.& J.R.); Juodkrantė (2), 25 06 2012–09 07 2012, 1 spec. (P.I.& J.R.); Nagliai Nat. R., 20 08 2012–03 09 2012, 1 spec. (P.I.& J.R.); 03-17 2012, 1 spec. (P.I.& J.R.).

Species is also known in Latvia (Telnov, 2004), Sweden (Lundberg & Gustafsson, 1995), Poland (Alonso-Zarazaga, 2009). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

HYDROPHILIDAE

***Berosus (Enoplurus) frontifoveatus* Kuwert, 1888**

Saviečiai, 22 07 2010, 2 spec. (P.I.).

Species is also distributed in Italia, Romania, Bulgaria, Ukraina, Hungary, Balkan Peninsula, Austria, Czech Republic, Germany, Franch mainland, Poland (Alonso-Zarazaga, 2009; Kubisz, Szwałko, 1991)

***Cryptopleurum subtile* Sharp, 1884**

Kalniškės, 13 09 2011, 2 spec. (P.I.).

Species is also known in southern Sweden (Lundberg & Gustafsson, 1995), Estonia (Süda, 2009), northwestern Belarus (Alexandrovitch *et al*., 1996), Denmark (Hansen, 2009). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

CURCULIONIDAE

***Rutidosoma (Scleropteridius) fallax* (Otto, 1897)**

Juodkrantė (4), 28 05 2012–11 06 2012, 1 spec. (P.I.& J.R.).

Until now known in Latvia (Telnov, 2004), Denmark, southern Sweden (Lundberg & Gustafsson, 1995), Poland (Wanat & Mokrzycki, 2005). Tamutis *et al*. (2011) considered this species as expected for Lithuania.

***Tychius pumilus* C. Brisout, 1862**

Alksnynė, 20 05–03 06 2013, 4 spec. (P.I.& J.R.).

Species is also known in Great Britain, France, Italy, Germany, Switzerland, Slovakia, Czech, Austria, Hungary, Ukraine, Romania, Bulgaria, Yugoslavia, Poland (Alonso-Zarazaga, 2009). Monofagous species, preferes xerothermic habitat, host plant - *Trifolium arvense* L.

***Otiorhynchus (Otiorhynchus) armadillo* (Rossi, 1792)**

Vilnius, July of 2010, massive appearance and damage of flowers in flower garden.

This species spread due to trade of plants. Import of horticultural plants seems to be

the most effective way for the weevils to reach new areas as many of them lack the ability to fly. The horticultural plants are often imported with soil that gives all life stages of the weevils the ability to come as stowaway. Adults often feed on the foliage of different host plants making round cuts along the leaf edge, while the larvae feed on the roots (Staverløkk, 2010).

Known from Austria, Great Britain, Croatia, Italia, Romania, Slovenia, Switzerland (Alonso-Zarazaga, 2009), Poland (Mazur, Mokrzycki, 2011), Norway (Staverløkk, 2010).

Discussion

Data about 18 new beetle species belonging to Dytiscidae, Staphylinidae, Hydrophilidae and Curculionidae families is presented. Almost all the species were expected to be found in the Lithuanian fauna. According to faunistic publications of different authors (Alekseev, 2010; Alexandrovich *et al*., 1996; Alonso-Zarazaga, 2009; Burakowski *et al*., 1976; Lundberg *&* Gustafsson, 1995; Mazur, Mokrzycki, 2011; Silfverberg, 1992, 2004; Staverløkk, 2010; Telnov, 2004), *Agabus clypealis, Aleocchara haematoptera, Atheta oblita, A. xanthopus, A. triangulum, Carpelimus (Trogophloeus) heidenreichi, Mycetoporus solidicornis, Oligota pumilio, Oxypoda brachyptera, Phyllodrepa (Phyllodrepa) melanocephala, Cryptopleurum subtile, Rutidosoma (Scleropteridius) fallax* are widely distributed in neighbouring countries.

Five species – *Anthobium unicolor*, *Euplectus brunneus*, *Berosus (Enoplurus) frontifoveatus, Tychius pumilus* and *Otiorhynchus (Otiorhynchus) armadillo are* reported for the first time for the Baltic countries.

Aleochara haematoptera ripicola, Atheta oblita, A. xanthopus, A. triangulum, Anthobium unicolor, Euplectus brunneus, Mycetoporus solidicornis reichei, Oligota pumilio, Oxypoda brachyptera, Sepedophilus constans, Rutidosoma (Scleropteridius) fallax, Tychius pumilus were caught using the Barber pitfall traps. *Anthobium unicolor, Oxypoda brachyptera, Tychius pumilus were* found in *Pinus mugo* forest burned during the 2006 fire; *Mycetoporus solidicornis reichei* was caught in Juodkrantė old growing forest, the remaining species were found in different parts of Great cormorants colony in Juokrantė. Beetles of the species *Sepedophilus constans* were caught not only in Great cormorants colony but also in dune alder forest in Curonian Spit.

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Duomenys apie naujas Lietuvos faunos vabalų (Coleoptera) rūšis

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Santrauka

Apibūdinus 1966 m. ir 2010–2013 m.m. tyrimų metu surinktus vabalus, nustatyta 18 naujų Lietuvos faunai rūšių iš Dytiscidae, Staphylinidae, Hydrophilidae ir Curculionidae šeimų. Penkios iš jų - *Anthobium unicolor*, *Euplectus brunneus*, *Berosus (Enoplurus) frontifoveatus*, *Tychius pumilus* ir *Otiorhynchus (Otiorhynchus) armadillo* aptiktos pirmą kartą Baltijos šalyse.

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