

DATA ON SEVENTEEN BEETLE (COLEOPTERA) SPECIES NEW FOR LITHUANIAN FAUNA

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Introduction

Coleoptera is one of the biggest and most numerous insect orders in Lithuania. Summarising the data published during the time 1995–2008 (Barševskis, 2001; Ferenca, 2003, 2004; Ferenca *et al.*, 2002, 2006; Inokaitis, 2004; Monsevičius, 1998, 1999; Monsevičius & Pankevičius, 2001; Pileckis & Monsevičius, 1995, 1997; Šablevičius, 2003, 2004; Šablevičius & Ferenca, 1995; Tamutis, 1996, 2003, 2004; Tamutis & Pankevičius, 2001; Tamutis & Zolubas, 2001; Tamutis & Ferenca 2006; Tamutis *et al.*, 2008) there were about 3580 species of Coleoptera known in Lithuania. However the knowledge about Coleoptera fauna in Lithuania is still incomplete. This paper presents data on 17 beetle species new for Lithuanian fauna.

Worthy of note are 28 species of Coleoptera mentioned to be found in Lithuania by H. Silfverberg (1992, 2004), 65 species have been noted in the Catalogue of Palearctic Coleoptera (Lobl & Smetana eds., 2003–2007) and 82 species could be found as occurring in Lithuania according to the Fauna Europaea Database (Fauna Europaea Web Service, 2007). The primary source for these notifications is still unknown for the authors.

Material and Methods

The material was collected mostly by authors: Romas Ferenca (R.F.) and Vytautas Tamutis (V.T.) seeking under the bark and in the dead wood and applying netting. Three species: *Hydraena palustris* (Hydraenidae), *Trechicus nigriceps* (Carabidae), *Anacaena limbata* (Hydrophilidae) and *Apion rufirostre* (Apionidae) were collected by Valentina Strazdienė (V.S.), Rimantas Pankevičius (R.P.), Vidmantas Monsevičius (V.M.) and Aleksandras Meržijevskis (A.M.). The nomenclature is given according to the Fauna Europaea database. The material is deposited in the entomological collection of the Kaunas T. Ivanauskas Zoological Museum.

List of localities

Alytus district	Nemuno Kilpos Regional Park, Punios Šilas Forest	54°32'30"N, 24°04'52"E
Birštonas municipality	Nemuno Kilpos Regional Park, Škėvonys Exposure	54°36'20"N, 24°00'13"E
Curronian Spit	Juodkrantė env. (1) Juodkrantė env.(2)	55°32'47"N, 21°07'15"E 55°32'50"N, 21°06'01"E
Elektrėnai municipality	Aujėdo Ežeras Lake	54°44'03"N, 24°35'22"E
Ignalina district	Vosyliškės tsh.	55°34'N, 26°35'E
Jonava town		55°05'N, 24°18'E
Kaunas city	Aleksotas	54°53'30"N, 23°53'04"E
	Romainiai	54°55'33"N, 23°48'37"E
	Žaliakalnis	54°54'14"N, 23°54'44"E
Kaunas district	Braziūkai env.	54°54'05"N, 23°29'03"E
	Jiesia landscape preserve	54°51'10"N, 23°56'20"E
	Ringovė Entomological preserve	55°05'07"N, 23°30'55"E
	Rokai military training ground	54°47'19"N, 23°55'02"E
Kupiškis district	Šepeta peatbog	55°48'01"N, 25°01'22"E
Palanga municipality	Palanga env.	55°55'06"N, 21°04'16"E
	Užkanavė	55°59'22"N, 21°05'49"E
Šakiai district	Juškinės Miškas f.	55°01'10"N, 23°26'50"E
	Tervydoniai tsh.	55°01'37"N, 23°26'28"E
Švenčionys district	Obelų Ragas	55°34' N, 26°03'E
Tauragė district	Viešvilė State Strict Nature Reserve, Glitis lake env.	55°08'51"N, 22°29'01"E
Varėna district	Čepkeliai State Strict Nature Reserve.	54°00'N, 24°32'E
Zarasai district	Tilžė	55°39'N, 26°34'E

Results and discussion

DYTISCIDAE

***Hydroporus scalesianus* Stephens, 1828**

Aujėdo Ežeras Lake, 03 06 1994, 1 spec. (R.F.), eutrophical lake.

Euro-Siberian species, distributed in North and Central Europe, Central and East Russia. This species prefers small eutrophical lakes, puddles and peatbogs (Galewski, 1971).

CARABIDAE

***Trechicus nigriceps* (Dejean, 1831)**

Šepeta peatbog., 27 05 2000, 3 spec., (R.P.).

Beetles of this species are widely distributed in Palearctic region, also known in Afro-tropical and Nearctic regions (Vigna, 2007), mainly occur in compost heaps, heaps of decaying plant debris, tree fungi (Hürka, 1996; Burakowski *et al.*, 1974).

HYDRAENIDAE

***Hydraena palustris* Erichson, 1837**

Vosyliškės, 29 04 1985, 1 spec. (V.S.); Obelų Ragas, 23 04 1988, 1 spec. (V.S.); Vosyliškės, 01 05 1988, 2 spec. (V.S.); Jonava, 16 05 1988, 1 spec. (V.S.); Obelų Ragas, 27 07 1988, 1 spec. (V.S.); Tilžė, 28 07 1988, 1 spec. (V.S.); Vosyliškės 28 10 1988, 1 spec. (V.S.); Juškinės Miškas f., 28 05 1994, 1 spec. (R.F.), in eutrophical puddle.

Species is widely distributed in North and Central Europe including Great Britain (Jäch, 2007), mainly in the silt of eutrophical ponds and lakes.

***Limnebius atomus* (Duftschmid, 1805)**

Rokai military training ground, 03 06 2008, 1 spec. (R.F.), in the silt of shoal swamp.

This species is distributed in South and Central Europe (Burakowski *et al.*, 1976), occurs in silt of various swamps and bogs.

HYDROPHILIDAE

***Anacaena limbata* (Fabricius, 1792)**

Čepkeliai Nat. R., 25 07 1979, 3 spec., 05 09 1979, 8 spec., 10 09 1979, 5 spec. (V.M.).

The data in the earlier publications (G. & E. Mazurowie, 1939; Pileckis, 1976; Gaidienė, 1993; Pileckis & Monsevičius, 1995; Šablevičius, 2000; Tamutis & Zolubas, 2001) actually refers to *A. lutescens* Step., where this species erroneously has been noted as *A. limbata* F.

This species is widely distributed in Central and South Europe (Hansen & Ribera, 2007). Occurs in various eutrophical water stands, puddles, ponds, peatbogs.

STAPHYLINIDAE

***Stenus stigmula* Erichson, 1840**

Škėvonys exposure, 17 08 2005, 1 spec. (R.F.), in dry slope of south exposition of Nemunas r.

This species is distributed in South and Central Europe, Caucasus and Near East (Burakowski *et al.*, 1979; Szujecki, 1961).

***Atanygnathus terminalis* (Erichson, 1839)**

Viešvilė Nat. R., Glitis lake env., 13 06 2008, 3 spec.; 28 07 2008, 1 spec. (V.T.), in the boggy lake side.

This species is widely distributed in Palearctic region as well in Oriental and Australian regions (Alonso-Zarazaga, 2007; Thayer & Newton, 2005). This tyrphobiontic species occurs mainly in the swampy habitats, especially with sphagnum litter (Szujecki, 1980).

DRILIDAE

***Drilus concolor* Ahrens, 1812**

Ringovė Entomological preserve, 08 06 1990, 1 spec. (R.F.).

This predator of terrestrial mollusks is distributed in separate countries of Central and South Europe: Austria, Bosnia, Bulgaria, Croatia, Germany, Hungary, Slovakia, Ukraine (Bocak, 2007), it is also known from the neighbor countries – Belarus (Alexandrovitch *et al.*, 1996), Latvia (Telnov, 2004), Poland (Burakovski *et al.*, 1985).

The record of this species in Lithuania by Silfverberg (2004) is considered as mistaken, it was mentioned for Lithuania only as presumptive species (Pileckis & Monsevičius, 1995).

EUCNEMIDAE

***Isorhipis melasoides* (Laporte, 1835)**

Tervydoniai, 13 07 2008, 1 spec. (R.F.), on the trunk of dead oak.

This species, associated with old, mature leafy forest, is distributed mainly in Central and South Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary, Italy, Poland, Romania, Russia: Central European Territory, Slovakia, Sweden, Turkey (Mertlik *et al.*, 2009).

KATERETIDAE

***Heterhelus scutallaris* (Heer, 1841)**

Užkanavė, 08 05 2001, 1 spec. (R.F.).

This Euro - Siberian species is widely distributed in Fenoscandian and Baltic countries (Silfverberg, 2004; Telnov, 2004), Poland (Nunberg, 1976), Belarus (Alexandrovitch *et al.*, 1996). The data about this species in Lithuania was published only in Fauna Europaea data base (Audisio & Jelinek, 2007).

CIIDAE

***Orthocis linearis* (J. Sahlberg, 1900)**

Jiesia pr., 09 06 2000, 1 spec. (R.F.).

This species is present mainly in North Europe: Denmark, Finland, Norway, Sweden (Silfverberg, 2004), Latvia (Telnov, 2004), and recorded from Poland (Jelinek & Audisio, 2007).

TENEBRIONIDAE

***Mycetochara linearis* (Illiger, 1794)**

Juodkrantė, 07 07 2005, 1 spec. (R.F.), in the dead wood of black alder (*Alnus glutinosa*)

This species is distributed in North Europe: Denmark, Estonia, Finland, Latvia, Norway, Sweden (Silfverberg, 2004), also recorded from single Central and South Europe countries - Germany, Italy, Poland (Fattorini, 2007).

MORDELLIDAE

***Mordellistena pygmaeola* Ermisch, 1956**

Braziūkai env., 29 05 2009, 6 spec. (V.T.) in the meadow on the blossom of *Fragaria sp.*

This species is distributed in the West and Central Europe (Horák, 2007, 2008) also known from some countries of Middle Asia (Odnosum, 2003). Adults usually occur in dry habitats at the end of May (Burakowski *et al.*, 1987).

CERAMBYCIDAE

***Xylotrechus antilope* (Schönherr, 1817)**

Romainiai 20 06 2008, 1 spec. (R.F.), on Aegopodium podagraria.

This species is distributed in Central and South Europe and North Africa (Sama, 2007), also is known from Sweden and Norway (Ehnström & Axelson, 2002; Silfverberg, 2004).

APIONIDAE

***Pseudapion rufirostre* (Fabricius, 1775)**

Jiesia pr., 12 06 2005 1 spec. (A.M.)

This species is widely distributed in Central and South Europe (including Great Britain and Ireland), North Africa and Near East (Alonso – Zarzaga, 2007), also known from Denmark and Sweden (Silfverberg, 2004).

CURCULIONIDAE

***Otiorhynchus sulcatus* (Ahrens, 1812)**

Žaliakalnis, 13 06 1992, 2 spec., 01 07 2002, 1 spec., Aleksotas 23 08 2000, 1 spec., Palanga env. 20 05 2001 (V.T.), in the garden.

This polyphagous weevil (common name - black vine weevil) is widely distributed in the world, known in Europe, North America, Australia, New Zeland (Smreczyński, 1966; Alonso-Zarazaga, 2007; Warner and Negley, 1976)

***Ceutorhynchus cakilis* (Hansen, 1917)**

Juodkrantė env. 10 09 2009, on the beach, *Cakile baltica* L. overgrowth (V.T.).

Species is distributed in Europe including Great Britain (Smreczyński, 1974; Alonso-Zarazaga, 2007), occurs in the seashore and feeds on *Cakile baltica* L., *Crambe maritima* L., *Nasturtium officinale* (Smreczyński, 1974). This species is rare or very rare in all sites of its range, protected in Denmark (Danish Red Data Book, 1997).

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Duomenys apie 17 naujų Lietuvos faunos vabalų (Coleoptera) rūšių.

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Santrauka

Pateikiami duomenys apie 17 naujų Lietuvos faunai vabalų (Coleoptera) rūšių: *Hydroporus scalesianus* Stephens, 1828, *Trechicus nigriceps* (Dejean, 1831); *Hydraena palustris* Erichson, 1837; *Limnebius atomus* (Duftschmid, 1805); *Anacaena limbata* (Fabricius, 1792); *Stenus stigmula* Erichson, 1840; *Atanygnathus terminalis* (Erichson, 1839); *Drilus concolor* Ahrens, 1812; *Isorhipis melasoides* (Laporte, 1835); *Heterhelus scutellaris* (Heer, 1841); *Orthocis linearis* (J. Sahlberg, 1900); *Mycetochara linearis* (Illiger, 1794); *Mordellistena pygmaeola* Ermisch, 1956; *Xylotrechus antilope* (Schönherr, 1817); *Pseudapion rufirostre* (Fabricius, 1775); *Otiorhynchus sulcatus* (Ahrens, 1812).

Rūšis *Anacaena limbata* (Fabricius, 1792) pateikiama, kaip nauja Lietuvos faunai, kadangi iki šiol specialioje entomologinėje literatūroje pateikti duomenys apie šią rūšį vertintini kaip neteisingai identifikuota rūšis *Anacaena lutescens* (Stephens, 1829).

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