NEW DATA ON SEVEN PROTECTED AND TWO RARE BEETLE (INSECTA, COLEOPTERA) SPECIES REGISTERED IN LITHUANIA IN 1997–2011

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Introduction

The beetles are very important bioindicators of various successional processes in the ecosystems. Some of them are crucial for identification of territories which are valuable for their biological diversity or protected by law. The list of protected insect species has been supplemented substantially in 2003 (The order of minister of Environment…) and a new edition of the Lithuanian Red Data Book has been published (Rašomavičius, 2007). This book represents thirty two beetle species which are listed as very rare and endangered in Lithuania. Monitoring of these species is an essential measure for their protection. Therefore, detection of new valuable habitats needs the highest attention of environmentalists. The aim of this article is to present new data on rare and protected beetle species found in central and south-eastern parts of Lithuania.

Material and Methods

The material was collected in Kaišiadorys, Kaunas, Vilnius, Varėna, Lazdijai and Druskininkai districts. Pit fall traps, entomological net, rearing of beetles in their habitats have been used for sampling. Following guides have been used for species identification: Tarnawski & Buchholz, 2008; Freude *et al*., 1966, 1979. The material was collected by P. Mulerčikas (P.M.) and V. Tamutis (V.T.) and is deposited in P. Mulerčikas personal collection, and at Kaunas T. Ivanauskas Zoological Museum. Classification of the order Coleoptera accepted by Bouchard *et al*. (2011) is followed in this report, genera and species names follow those in the Catalogue of Lithuanian beetles (Tamutis *et al*., 2011).

List of localities

Druskininkai district	Druskininkai	54°01'20,5"N, 23°57'46,0"E
	Leipalingis env.	54°05'54,9"N, 23°51'07,3"E
	Cijūniškės Miškas f.	54°09'10,8"N, 23°54'07,0"E
Kaišiadorys district	Strėvininkų Miškas f.	54º48'56"N, 24º20'51"E
	Kaukinė Botanical-Zoological pr.	54º42'56"N, 24º28'41"E
Kaunas district	Kamša Botanical-Zoological pr.	54º53'56"N, 23º49'41"E
	Vaišvydava env.	54º50'32"N, 24º02'42"E
	Ežerėlis env.	54º52'59"N, 23º35'46"E
	Noreikiškės env.	54º53'15"N, 23º50'36"E
	Dubrava pr.	54°51'18,1"N, 24°04'07,1"E

	Raudondvaris env.,	54°56'03,4"N, 23°46'03,7"E
Lazdijai district	Petroškų Miškas f.	54º53'15"N, 23º50'36"E
Vilnius city	Daryklos st.	54°41'17,3"N, 25°16'47,4"E
Varėna district	Paramėlio Miškas f.	54°00'31,3"N, 24°37'47,9"E

List of species

SCARABAEIDAE

***Gnorimus variabilis* (Linnaeus, 1758)**

Druskininkai, 28 06 2004, 1 spec. (P.M.) by means of entomological net in a pinewood.

This is not a new record of this species in Druskininkai environs, however the last finding was registered 50 years ago (Rašomavičius, 2007). This species as a rare species is listed in the Lithuanian Red Data Book (Rašomavičius, 2007).

ELATERIDAE

***Anostirus castaneus* (Linnaeus, 1758)**

Kamša Botanical-Zoological pr., 26 05 2009, 1 spec. (P.M.); Vaišvydava env., 15 06 2011, 2 spec. (P.M.).

This is a first record of this species in Kamša Botanical-Zoological pr.

***Anostirus purpureus* (Poda, 1761)**

Ežerėlis env., 25 06 2011, 1 spec., forest edge, on the flowers of *Apiacea* (P.M.).

Only one finding place of this species has been known in Jiesia landscape pr. to this day (Ferenca, 1988, 2003; Ivinskis *et al*., 2004). This species is listed in Lithuanian Red Data Book as rare (Rašomavičius, 2007).

CUCUJIDAE

***Cucujus haematodes* (Erichson, 1845)**

Paramėlio Miškas f., 25 07 1997, 1 spec. (P.M.), under the bark of pine.

This species is very rare in Lithuania (Pileckis & Monsevičius, 1997), species is listed as vulnerable in the Lithuanian Red Data Book (Rašomavičius, 2007). All records of this species are clustered within the southern part of Lithuania (Ivinskis *et al*., 2007; Rašomavičius, 2007).

***Cucujus cinnaberinus* (Scopoli, 1763)**

Strėvininkų miškas f. 29 07 2001, 3 spec. (V.T.), 24 08 2002, 1 spec. (V.T.); Kaukinė botanical – zoological pr., 24 08 2002, 3 spec. (V.T.); Kamša Botanical-Zoological pr., 04 03 2000, 2 spec., 15 08 2002, 4 spec., (V.T.), 31 05 2011, 1 spec. (P.M.), all specimens were sampled under the bark of dead *Ulmus* tree.

This species is protected in the whole European Union according to the Habitats Directive, listed in the Lithuanian Red Data Book as vulnerable (Rašomavičius, 2007). However, it is not very rare in Kamša Botanical-Zoological pr., as it is observed from time to time in this territory (Dapkus & Tamutis, 2008).

CERAMBYCIDAE

***Ergates faber* (Linnaeus, 1761)**

Petroškų Miškas f., 15 08 2009, 1 spec. (P.M.) on the pile of wood.

This species is very rare in Lithuania (Pileckis & Monsevičius, 1997). It is listed in the Lithuanian Red Data Book as vulnerable species (Rašomavičius, 2007). This is the first record on this species in Lazdijai district. The last trustworthy records of this species have been known only from Varėna and Jonava districts (Obelevičius, 1994; Šablevičius,

2003, 2004; Meržijevskis, 2004).

***Necydalis major* (Linnaeus, 1758)**

Dubrava pr., 26 06 2011, 1 spec. (P.M.) by means of entomological net.

This species is considered rare and insufficiently known in Lithuania, included into the Lithuanian Red Data Book (Rašomavičius, 2007). It has not been recorded in Dubrava pr. before.

***Prionus (Prionus) coriarius* (Linnaeus, 1758)**

Cijūniškės Miškas f., 15 07 2010, 1 spec. (P.M.) on the pine stump.

This species is rare and vanishing in Lithuania. It is included into Lithuanian Red Data Book (Rašomavičius, 2007).

***Pachytodes cerambyciformis* (Schrank, 1781)**

Kamšos Miškas f., 15 06 2011, 2 spec. (P.M.) on various plants at the forest outskirts.

This species is considered very rare in Lithuania (Pileckis & Monsevičius, 1997) and has not been recorded in Kamša Botanical-Zoological pr. before.

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Duomenys apie 7 saugomas ir 2 retas vabalų (Insecta, Coleoptera) rūšis, rastas Lietuvoje 1997–2011 m.

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Santrauka

Straipsnyje pateikiami duomenys apie 9 vabalų (Coleoptera) rūšis. Dvi iš jų laikomos retomis, o septynios įtrauktos į Lietuvos raudonąją knygą. Duomenys apie šias rūšis buvo surinkti Kauno, Vilniaus, Varėnos, Lazdijų ir Druskininkų rajonuose 1997–2011 metais, naudojant žemės gaudykles bei entomologinį tinklelį. Kiekvienai rūšiai yra pateikiama radimo vieta, data ir aptiktų individų skaičius.

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