TWELVE ROVE BEETLE (COLEOPTERA, STAPHYLINIDAE) SPECIES NEW TO THE LITHUANIAN FAUNA, FOUND IN 2020–2021

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Introduction

When studying the fauna of rove beetles in Northern Lithuania in 2020–2021, more than 400 species were found, of which twelve species were found to be new to the fauna of Lithuania. The article contains a list of them, indicating the date and location, the number of individuals found, general distribution and presence in neighbouring countries.

Material and Methods

The material was collected by the author of this paper during the period from 2020 to 2021 in Akmenė and Mažeikiai districts (Northern part of Lithuania). The beetles were collected by sifting decaying organic matter and flood debris from littoral of riversides and flood meadows. The beetles from sifted substrates were extracted in thermoeclectors. To catch beetles in badger burrows, cylinders of metal mesh with bait were used, which were inserted as deep as possible into the burrow on a flexible stick.

The following sources were used to identify the species: Assing, 1996, Benick & Lohse, 1974, Brundin, 1948, 1952, Likovský, 1974, Lohse, 1974 Kubisz & Jałoszyński, 2009, Mazur, 2005, Palm, 1970, Sabella *et al*., 2004, Solodovnikov & Salnitska, 2019, Szujecki, 2008, Vogel & Kahlen, 1998, Welch, 1997.

Taxonomy of beetles follows that of the Catalogue of Palaearctic Coleoptera (Schülke & Smetana, 2015). Photos of the structures, important for the identification of the species, were made by the author. The material is deposited in the personal collection of the author.

List of localities

Locality	Administrative district	Coordinates (LAT, LONG)
Akmenė	Akmenė distr.	56.25028, 22.73806
Antanavos miškas f.	Akmenė distr.	56.25417, 22.62833
Dabikinėlė	Akmenė distr.	56.24083, 22.70861
Griežiai	Akmenė distr.	56.15833, 22.75750
Gyvoliai	Mažeikiai distr.	56.21833, 22.56361
Kadagiai (1)	Akmenė distr.	56.24059, 22.71472
Kadagiai (2)	Akmenė distr.	56.24278, 22.71694
Kadagiai (3)	Akmenė distr.	56.24166, 22.71111
Kadagiai (4)	Akmenė distr.	56.24611, 22.72250
Kamanos Nat. R. (1)	Akmenė distr.	56.25361, 22.65139
Kamanos Nat. R. (2)	Akmenė distr.	56.25361, 22.65111

Purvių miškas f.	Akmenė distr.	56.16222, 22.58222
Santekliai	Mažeikiai distr.	56.23083, 22.55778
Uogiškiai	Mažeikiai distr.	56.20917, 22.62194
Viliošiai	Akmenė distr.	56.22556, 22.66639
Viliošių miškas f.	Akmenė distr.	56.22778, 22.68806

List of species

PSELAPHINAE

***Brachygluta haematica* (Reichenbach, 1816)** (Fig. 1)

Uogiškiai, 05 09 2021, 1 ♂, in the leaf-litter of a deciduous forest on the slope of the Venta River.

Comments. The species is distributed in central part of Europe and Siberia (Sabella *et al*., 2004. It is reported from Latvia (Vorst *et al*., 2007), Belarus (Solodovnikov *et al*., 2021) and Poland (Jałoszyński *et al*., 2007). This species seems to be rarer in Lithuania than the very similar *Brachygluta sinuata* (Aubé, 1833), from which it differs in the presence of tufts of yellow hairs on the sides of the 2nd and 3rd male abdominal tergites.

ALEOCHARINAE

***Aleochara (Xenochara) cuniculorum* Kraatz, 1858** (Fig. 2)

Kadagiai (1), 21 10 2020, 1♀; Kamanos Nat. R. (1), 20 10 2020, 2♀; Kamanos Nat. R. (2), 12 05 2021, 27 spec.; Viliošiai, 04 11 2020, 1♀. All specimens were found in badger burrows.

Comments. The species is widely distributed from North Africa, France, and the British Isles across most of Europe to Mongolia (Assing, 2009). It is nidicolous and associated with the subterranean burrows and nests of various mammals (Assing, 2009). Known from the neighbouring countries: Belarus (Pisanenko, 1989) and Poland (Burakowski *et al*., 1981). It differs from other *Aleohara* species in its long, slender legs.

***Ocyusa maura* (Erichson, 1837)** (Fig. 3)

Antanavos miškas f., 08 10 2021, 1 ♀, 12 11 2021, 1 ♂. All specimens were found in the leaf-litter of a fen scrubs.

Comments. The species is distributed in Northern and Central Europe (Burakowski *et al*., 2001). It is known from neighboring countries: Latvia (Telnov, 2004), Belarus (Alexandrovich *et al*., 1996), Poland (Burakowski *et al*., 2001).

***Calodera nigrita* Mannerheim, 1830** (Fig. 4)

Kadagiai (2), 18 04 2020, 1 ♀; Kadagiai (3), 15 03 2021, 1 ♀; Gyvoliai, 01 05 2021, 1 ♂. All specimens were found in flood meadows.

Comments. The species is distributed from Central and Northern Europe to Siberia (Assing, 1996). In neighboring countries it is found in Poland (Burakowski *et al*., 2001), Latvia (Telnov, 2004) and Belarus (Derunkov, 2004). Among other *Calodera*, this species stands out for its large size and the very large aedeagus of the male.

***Aloconota (Aloconota) insecta* (C.G. Thomson, 1856)** (Fig. 5)

Purvių miškas f., 16 05 2021, 1 ♀, on the unvegetated mud bank of the Uogis River.

Comments. Widely distributed Palaearctic species (Schülke & Smetana, 2015). Known from the neighbouring countries: Belarus (Solodovnikov, 2012), Poland (Burakowski *et al*., 1981) and Latvia (Vorst *et al*., 2007).

Fig. 1. *Brachygluta haematica*: ♂ abdominal tergites

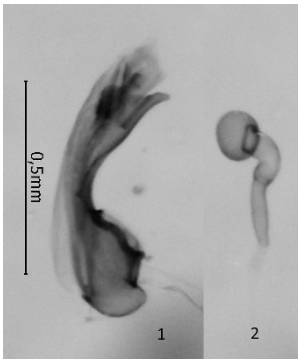

Fig. 2. *Aleochara cuniculorum*: aedeagus lateral (1), spermatheca (2)

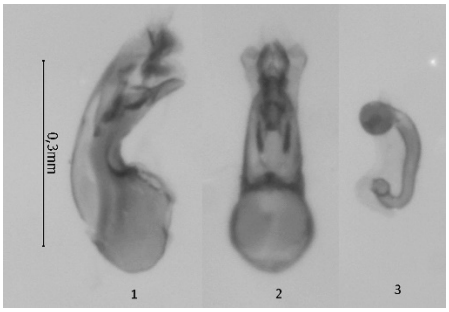

Fig. 3. *Ocyusa maura*: aedeagus lateral (1) and ventral (2), spermatheca (3)

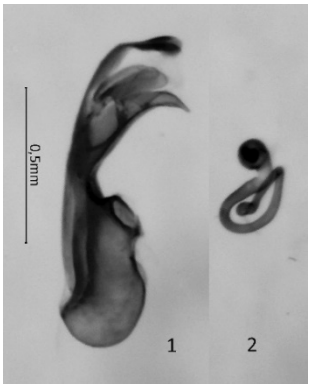

Fig. 4. *Calodera nigrita*: aedeagus lateral (1), spermatheca (2)

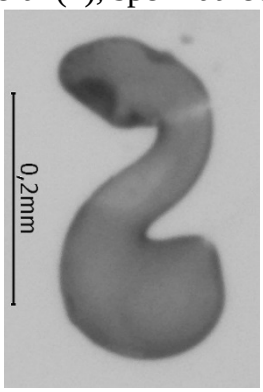

Fig. 5. *Aloconota insecta*: spermatheca

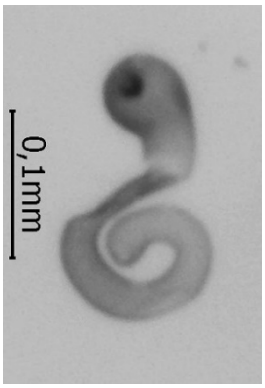

Fig. 6. *Atheta laticeps*: spermatheca

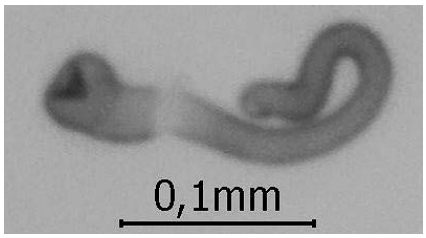

Fig. 7. *Atheta glabricula*: spermatheca

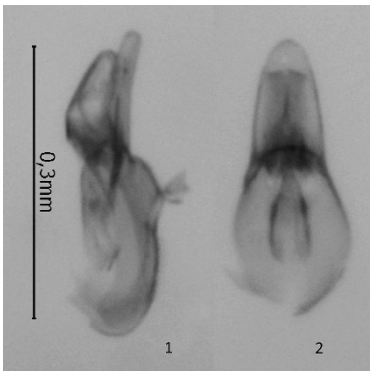

Fig. 8. *Atheta orphana*: aedeagus lateral (1) and ventral (2)

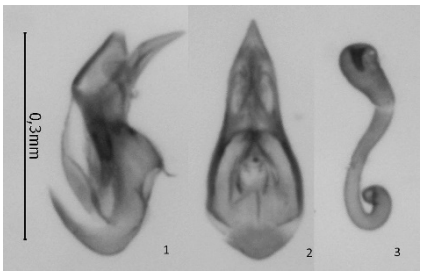

Fig. 9. *Pachnida nigella*: aedeagus lateral (1) and ventral (2), spermatheca (3)

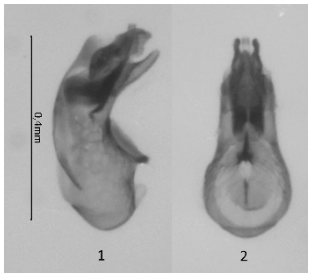

Fig. 10. *Leptusa norvegica*: aedeagus lateral (1) and ventral (2)

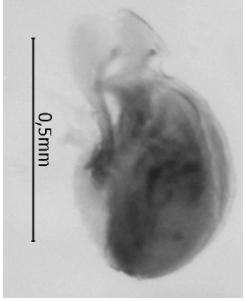

Fig. 11. *Aploderus caesus*: aedeagus lateral

Fig. 12. *Quedius puncticollis*: habitus

***Atheta (Microdota) glabricula* C.G. Thomson, 1867** (Fig. 7)

Akmenė, 03 09 2020, 1 ♀, in decaying organic matter.

Comments. This rare species is known from Austria, Bosnia Herzegovina, Czech Republic, Denmark, Finland, France, Great Britain, Germany, Hungary, Italy, Norway, Poland, Slovakia and Sweden (Schülke & Smetana, 2015). Also reported from Moscow Area (Semenov, 2007).

***Atheta (Parameotica) laticeps* (C.G. Thomson, 1856)** (Fig. 6)

Antanavos miškas F., 08 10 2021, 1 ♀, in the leaf-litter of the fen scrubs.

Comments. This rare species is distributed in Central Europe and West Siberia (Schülke & Smetana, 2015). Known from Poland (Burakowski *et al*., 1981).

***Atheta (Mocyta) orphana* (Erichson, 1837)** (Fig. 8)

Dabikinėlė, 16 04 2021, 1 ♂, in flood debris on the bank of the Pragalvys River.

Comments. The species is widely distributed in Europe, West and East Siberia, Far East (Schülke & Smetana, 2015). It is known from the neighbouring countries: Belarus (Alexandrovich *et al*., 1996), Poland (Burakowski *et al*., 1981), Latvia (Telnov, 2004). It is distinguished from other species of the subgenus *Mocyta* in Lithuania by its small body size.

***Pachnida nigella* (Erichson, 1837)** (Fig. 9)

Griežiai, 01 04 2021, 1♂, in flood debris on the bank of the Venta River; Santekliai, 21 04 21, 1 ♂ 2 ♀, on the sparsely vegetated bank of the Venta River.

Comments. Central European species also reported from Great Britain, Denmark, southern Sweden and Finland (Burakowski *et al*., 1981). It is known from the neighbouring countries: Belarus (Alexandrovich *et al*., 1996), Latvia (Cibulskis *et al*., 2005), Poland (Burakowski *et al*., 1981).

***Leptusa (Boreoleptusa) norvegica* A. Strand, 1941** (Fig. 10)

Viliošių miškas f., 03 04 2021, 5 ♂, under the bark of a dead pine tree.

Comments. The species is distributed in northern and central part of Europe (Schülke & Smetana, 2015). It is known from Latvia (Telnov, 2004) and Poland (Mazur, 2005).

OXYTELINAE

***Aploderus caesus* (Erichson, 1839)** (Fig. 11)

Antanavos miškas f., 08 10 2021, 1 spec., 12 11 2021, 3 spec. All specimens were found in the leaf-litter of a fen scrubs.

Comments. The species is distributed in central part of Europe (Schülke & Smetana, 2015). Known from the neighbouring countries: Latvia (Silfverberg, 2010) and Poland (Burakowski *et al*., 1979). It differs from the more common *Aploderus caelatus* (Gravenhorst, 1802) by the absence of microsculpture on the head and pronotum.

STAPHYLININAE

***Quedius (Microsaurus) puncticollis* (C.G. Thomson, 1867)** (Fig. 12)

Kadagiai (4), 15 10 2020, 1 ♀, in a badger burrow.

Comments. This species is reliably known from the northern part of Central Europe (Solodovnikov & Salnitska, 2019). It is a nidicolous species that lives in the nests of various mammals (Nowosad, 1990). In neighboring countries known from Poland (Nowosad, 1990).

Probably all of the above species are more widely distributed in Lithuania, since Lithuania falls into the area of their general distribution.

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12 naujų Lietuvos faunos trumpasparnių vabalų (Coleoptera, Staphylinidae) rūšių, rastų 2020–2021 metais

V. MONSEVIČIUS

Santrauka

Publikacijoje pateikiami duomenys apie 12 naujų Lietuvos faunos trumpasparnių vabalų (Coleoptera, Staphylinidae) rūšių, rastų 2020–2021 metais Akmenės ir Mažeikių rajonuose. Nurodomas šių rūšių bendras paplitimas ir aptikimas kaimyninėse šalyse, pateikiami duomenys apie kiekvienos rūšies radimo datą ir vietą, nurodomas aptiktų individų skaičius ir lytis. Surinkta medžiaga saugoma autoriaus asmeninėje kolekcijoje.

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