

NEW RECORDS OF ELACHISTIDAE (LEPIDOPTERA) FROM LITHUANIA*VIRGINIJUS SRUOGA*¹, *POVILAS IVINSKIS*²¹Lithuanian University of Educational Sciences, Studentu 39, LT-08106 Vilnius, Lithuania.

E-mail: virginijus.sruoga@leu.lt

²Institute of Ecology of Nature Research Centre, Akademijos 2, LT-08412 Vilnius, Lithuania.

E-mail: ivinskis@ekoi.lt

Introduction

The Elachistidae is a cosmopolitan moth family with about 800 described species. The larvae are obligate leaf miners, most species feed on monocotyledonous grasses and only some on dicotyledonous plants (Parenti & Varalda, 1994; Sruoga & Ivinskis, 2005). The moths are small, often cryptic, with a wingspan usually between 4 and 20 mm. Adults are poorly attracted to light and usually escape the general moth surveys and are poorly represented in museum and private collections. Therefore, the knowledge on species distribution is still insufficient. Since the monograph on Elachistidae of Lithuania (Sruoga & Ivinskis, 2005), only few papers dealing with the elachistid species distribution in Lithuania have been published (Paulavičiūtė, 2006, 2008a, 2008b; Ostrauskas *et al.*, 2010a, 2010b).

The aim of this paper is to provide new distribution data on Elachistidae reported from 6 administrative districts in Lithuania.

Material and Methods

Adult moths were collected by attracting them to mercury-vapour light and swept from low vegetation in the evening before sunset. The specimens were collected by Povilas Ivinskis (P.I.) and Virginijus Sruoga (V.S.). Genitalia for identification purposes were prepared following the methods described by Robinson (1976) and Sruoga & Ivinskis (2005).

The material is deposited at the Laboratory of Entomology, Institute of Ecology of Nature Research Centre (Vilnius, Lithuania) and the Department of Zoology, Lithuanian University of Educational Sciences (Vilnius, Lithuania).

List of localities

Locality	Administrative district	LAT, LONG
Bargailiai	Radviliškis district	55.56839, 23.50278
Kalniškės	Vilnius district	54.84619, 25.17707
Kapiniškiai	Varėna district	54.03346, 24.29260
Katkauskiai env.	Raseiniai district	55.23234, 23.57360
Kavarskas	Anykščiai district	55.43442, 24.93806
Mūšos tyrelis	Joniškis district	56.21894, 23.25819

Perloja	Varėna district	54.20778, 24.37633
Rūdininkai env.	Šalčininkai district	54.37956, 25.10253
Žagarė esker	Joniškis district	56.35641 23.22930

List of records

Perittia herrichiella (Herrich-Schäffer, 1855)

Kavarskas, 21 07 2012, larva on *Lonicera* sp., ex. p., 13 05 2013, 2♂ (V.S.).

Elachista utonella Frey, 1856

Katkauskiai env., 14 07 2010, 1♂ (V.S.); Perloja, 15 08 2008, 1♂ (P.I.).

Elachista albidella Nylander, 1848

Mūšos tyrelis, 17 06 2010, 3♂, 2♀ (P.I.).

Elachista apicipunctella Stainton, 1849

Žagarė esker, 11 05 2011, 1♀ (P.I.).

Elachista anserinella Zeller, 1839

Kapiniškiai, 16 05 2008, 1♂ (P.I.); Kalniškės, 03 08 2006, 1♂ (P.I.).

Elachista adscitella Stainton, 1851

Bargailiai, 03 08 2000, 1♂ (P.I.).

Elachista freyerella (Hübner, 1825)

Katkauskiai env., 14 07 2010, 2♂, 3♀ (V.S.).

Discussion

Perittia herrichiella is a rare species in Lithuania, known mainly from the southeastern part of the country. Earlier it was known only from 6 localities in 6 administrative districts (Sruoga & Ivinskis, 2005; Paulavičiūtė, 2006, 2008a). This is the first record of *P. herrichiella* in Anykščiai administrative district.

Elachista utonella was known from 18 administrative districts (Sruoga & Ivinskis, 2005; 2011; Paulavičiūtė, 2008a, b). This is the first record for Raseiniai and Varėna administrative districts.

E. albidella is a rare species in Lithuania, previously was known only from 7 administrative districts (Sruoga & Ivinskis, 2005, 2011). This is the first record of *E. albidella* in Joniškis administrative district.

E. apicipunctella is a rare species in Lithuania, earlier was known only in 6 administrative districts (Sruoga & Ivinskis, 2005, 2011). It has now been found in Joniškis administrative district.

E. anserinella is a rare species in Lithuania, earlier was known only in 4 administrative districts (Sruoga & Ivinskis, 2005; Paulavičiūtė, 2008a, b). It has now been found in Varėna administrative district. *E. anserinella* was previously known as univoltine in Lithuania, moths are on wing from May to June. However, one adult male was collected in early August. It suggests that this species can be bivoltine.

E. adscitella previously was known only from 13 administrative districts in Lithuania (Sruoga & Ivinskis, 2005; Paulavičiūtė, 2008b). This is the first record of *E. adscitella* in Radviliškis district.

E. freyerella is not rare in Lithuania (Sruoga & Ivinskis, 2005), but still was known only from 15 administrative districts (Ostrauskas, 2001; Sruoga & Ivinskis, 2005, 2011). This is the first record of *E. freyerella* in Kaišiadorys administrative district.

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Nauji duomenys apie Elachistidae (Lepidoptera) Lietuvoje

V. SRUOGA, P. IVINSKIS

Santrauka

Straipsnyje pateikti nauji duomenys apie 8 Elachistidae rūšių paplitimą Lietuvoje. Iš viso registruotos 9 naujos radvietės 6 Lietuvos rajonuose. Kiekvienai rūšiai nurodytos tikslios sugavimo vietos, datos, individų skaičius ir rinkėjas. Pirmą kartą nustatyta, kad *Elachista anserinella* gali turėti dvi generacijas Lietuvoje.

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