

## NEW DATA ON THE PICTURE-WINGED FLIES IN LITHUANIA (DIPTERA: ULIDIIDAE)

ERIKAS LUTOVINOVAS<sup>1</sup>, ANDRIUS PETRAŠIŪNAS<sup>2</sup>

<sup>1</sup>Lithuanian Entomological Society, Akademijos 2, LT-08412 Vilnius, Lithuania.

E-mail: wohlfahrtia@gmail.com

<sup>2</sup>Department of Zoology, Vilnius University, M. K. Čiurlionio 21/27, LT-03101 Vilnius, Lithuania. E-mail: Andrius.Petrasiunas@gf.vu.lt

### Introduction

Dark coloured bodies, patterned wings and sclerotised ovipositors in females help to spot these flies in the field. Worldwide distributed and moderate family, though poorly represented in temperate zones and their biology is inadequately known. Known larvae are mostly saprophagous and are found in rotten plants or dung (including synanthropic stations); others are known as partly phytophagous (Greve-Jensen, 1998). Altogether nine species were treated in Lithuania up to this publication (Pakalniškis *et al.*, 2006); further records and additions to the regional species list are provided herewith.

### Material and methods

Sweeping and Malaise traps were used to collect the material, whereas some specimens were also identified from the photographs. The taxonomy followed Kameneva & Greve-Jensen (2011). New species for the Lithuanian fauna are marked with an asterisk (\*). Numbers with a “#” sign are original numbering labels of old specimens. The collected material is deposited in the private collection of the senior author of this publication in Vilnius (EL) and in the Museum of Zoology of Vilnius University (MZVU).

### List of localities

Jurbarkas district	Leipgiriai, Viešvilė Nat. R.	55°06'22"N, 22°27'29"E;
Kaunas municipality	Kleboniškis	54°57'10"N, 23°56'50"E;
Kelmė district	Tytuvėnai	55°36'03"N, 23°11'50"E;
Mažeikiai district	Krakiai	56°16'01"N, 22°25'01"E;
Neringa municipality	Juodkrantė, Kuršių Nerija Nat. P.	55°33'10"N, 21°07'30"E;
Raseiniai district	Gabšiai	55°21'00"N, 23°06'29"E;
Švenčionys district	Padumblė, Labanoras Reg. P.	55°14'40"N, 25°47'10"E;
	Jedlinavas	54°57'51"N, 25°41'27"E;
Tauragė district	Eičiai, Viešvilė Nat. R.	55°09'50"N, 22°28'59"E;
Trakai district	Trakai	54°38'52"N, 24°55'57"E;
Varėna district	Puvočiai, Dzūkija Nat. P.	54°06'40"N, 24°18'11"E;
Vilnius city	Vilnius	54°41'14"N, 25°16'46"E;
	Vingis park	54°41'05"N, 25°14'29"E;
	Šeškinė	54°42'50"N, 25°14'38"E;
	Markučiai, Pavilniai Reg. P.	54°40'26"N, 25°19'37"E.

## Species list

### ULIDIIDAE

#### Subfamily Otitinae

#### ***Ceroxys urticae* (Linnaeus, 1758)**

Gabšiai, 22 05 2013, 1♀ (photo L. Grigaliūnas); Kleboniškis, 06 06 2010, 1♂ (photo R. Ferenc).

Palaeartic species associated with tall shore and wet meadow habitats, but also with human environment (Kabos & Aartsen, 1984).

#### ***Herina frondescentiae* (Linnaeus, 1758)**

Eičiai, 08–14 07 2008, 1♀ (leg. V. Uselis, EL); Jedlinavas 15 07 1927, 1♀ (#689); 18 07 1927, 3♂ (#712, 713, 714); Trakai, 11 07 1927, 1♀ (all leg. M. Ostrejková, MZVU).

West Palaeartic species associated with wetland habitats (Kabos & Aartsen, 1984).

#### **\**Herina paludum* (Fallén, 1820)**

Jedlinavas, 25 07 1927, 1♂ (#789); 30 07 1927, 3♂ (#860, 861, 862); 1♀ (#863) (all leg. M. Ostrejková, MZVU).

European species associated with spring habitats (Kabos & Aartsen, 1984).

#### ***Melieria (Melieria) crassipennis* (Fabricius, 1794)**

Eičiai, 26 05–01 06 2008, 1♀ (leg. V. Uselis, EL); Padumblė, 14–21 07 2008, 1♀ (leg. A. Aliukonis, EL); Puvočiai, 30 06 1984, 1♀ (leg. Banevičiūtė, MZVU); 30 06 1984, 1♀ (leg. Valskytė, MZVU); 08 07 1984, 1♂ (leg. Mitkaitė, MZVU).

European species associated with marshland habitats (Kabos & Aartsen, 1984).

#### ***Tetanops (Tetanops) myopina* Fallén, 1820**

Juodkrantė, 26 05 2010, 1♂ (photo R. Ferenc).

European species associated with habitats of the sea dunes (Kabos & Aartsen, 1984).

#### **\**Tetanops (Eurycephalomyia) sintenisi* Becker, 1909**

Šeškinė, 05 06 2004, 1♀ (leg. E. Lutovinovas, EL).

Palaeartic species, though was regarded closely related to the Nearctic *T. (E.) myopaeformis* (Röder), known to be a sugar-beet pest in USA (Kameneva, 2008); spreading species in the Western Europe (Smit, 2005; Stucke & Merz, 2006).

#### Subfamily Ulidiinae

#### **\**Physiphora alceae* (Preyssler, 1791)**

Krakiai, 07 08 2010, 1♀ (photo A. Vilkas).

Palaeartic species associated with human environment; larvae in goat and cow dung, rotting clover and onion (Kabos & Aartsen, 1984).

#### ***Seioptera vibrans* (Linnaeus, 1758)**

Markučiai, 03 07 2004, 1♀ (leg. E. Lutovinovas, EL); Puvočiai, 08 07 1995, 1♀ (leg. T. Usaitis, MZVU); Tytuvėnai, 16 06 2012, 1♂, flew to light (leg. A. Petrašiūnas, MZVU); Vilnius, 14 06 1927, 1♂ (#359); 17 06 1927, 3♂ (#435, 438, 439) 2♀ (#434, 437); 20 06 1927, 2♀ (#504, 505); 28 06 1927, 1♀ (#565); 26 06 1928, 2♂ (#1201, 1202) 1♀ (#1200); Vingis park, 18 06 1924, 2♂1♀ (all leg. M. Ostrejková, MZVU).

Holarctic species associated with wet woodland habitats (Kabos & Aartsen, 1984).

## Discussion

New data about eight species of the picture-winged flies from Lithuania are presented (66.7 % of the recorded fauna). *Melieria crassipennis* and *Seioptera vibrans* were most commonly observed. Three species are new records for the local fauna – *Herina paludum*, *Physiphora alceae* and *Tetanops sintenisi* (Pakalniškis *et al.*, 2006). *H. paludum* is redlisted in several countries of Central Europe and considered as an endangered species in the Czech Republic (Martinek & Barták, 2005).

Altogether, twelve species of this family are currently known from Lithuania, and about eight more are suspected as living in the area.

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**Nauji duomenys apie juostasparnes muses Lietuvoje (Diptera: Ulidiidae)***E. LUTOVINOVAS, A. PETRAŠIŪNAS***Santrauka**

Pateikiami duomenys apie aštuonias juostasparnių musių šeimos rūšis Lietuvoje (66,7% vietinės faunos). *Meliera crassipennis* ir *Seioptera vibrans* buvo stebėtos dažniausiai. Trys rūšys pirmą kartą paminėtos vietos faunoje – *Herina paludum*, *Physiphora alceae* ir *Tetanops sintenisi*. *H. paludum* yra įtraukta į kai kurių šalių raudonąsias knygas. Šiuo metu yra užregistruota dvylika juostasparnių musių šeimos rūšių Lietuvoje ir dar apytiksliai aštuonios rūšys yra ieškotinos.

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