

TWELVE NEW NEMATOCEROUS FLIES (DIPTERA: NEMATOCERA) RECORDED IN LITHUANIA IN 1995–2005

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Introduction

At the moment 3310 species of Diptera flies known in Lithuania. Of these, 1195 belong to the suborder Nematocera (Pakalniškis, *in litt.*). The last and the most complete list of Lithuanian nematoceros two winged flies (Diptera: Nematocera) was presented in Pakalniškis *et al.* (2000). Four species belonging to the family Anisopodidae, 6 – Bibionidae, 188 – Limoniidae and 94 – Tipulidae are mentioned in this list. The same updated list for the crane flies (Limoniidae and Tipulidae) could be also found in Oosterbroek (2003).

Additional material was collected in many administrative districts of Lithuania and 12 new earlier unknown species of nematoceros flies were revealed during the period of 1995–2005.

Material and methods

Crane flies were collected in many different localities throughout the country by the means of Jalas automatic light traps, Malaise traps, pit-fall traps and with entomological net in 1995–2005.

New species which are mentioned in this publication were obtained in following localities:

Jurbarkas district, Šilinė, administration of Panemunės Regional Park, 55°05'22.5"N, 22°57'19.4"E, light trap. Habitat: open meadow surrounded from one side by the road and oak forest from the other. Collector Raimondas Giedraitis (2004).

Kaunas district, Dubravai, 54°50'08.6"N, 24°05'40.7"E, light trap, collector R. Ferenc (1998); Netoniai, 54°56'19.9"N, 23°42'17.6"E, entomological net, collector R. Kazlauskas (2004).

Kėdainiai district, Ažuolaičiai, 55°20'58.1"N, 23°51'51.5"E, altitude 62 m, Malaise trap on Jaugila riverbank and entomological net. Habitat: *Alnus glutinosa* grooves. Collector D. Činčiukas (2005).

Prienai district, Igliauka env., Palios peat bog, 54°35'37.30"N, 23°42'11.57"E, pit-fall traps, collector D. Dapkus (2000).

Mažeikiai district, Krakiai, 56°16'04"N, 22°24'50"E, meadow and garden on Venta riverbank, light trap, collector A. Vilkas (2004).

Molėtai district, Šližiškiai, strand of Virintai lake, 55°17'23.1"N, 25°27'44.5"E, elevation 146 m, meadow surrounded by shrubs, entomological net, collector S. Podėnas (2005).

Plungė district, Plokščiai, 56°00'46.5"N, 21°53'46.9"E, light trap, collector G. Margis (1995).

Šiauliai district, Kurtuvėnai Regional Park, Čeprečiškė, 55°48'23.4"N, 23°06'20.4"E, meadow on the slope to the lake, garden, light trap, collector V. Lopeta (2004).

Tauragė district, Viešvilė Nat. R., administrative center, 55°10'41.6"N, 22°27'32.5"E, open meadow, light trap, collectors V. Uselis (1995–1998, 2004) and P. Visarčuk (2004); Artoji peat bog, 55°10'00.6"N, 22°27'56.5"E, light trap, collector V. Uselis (1995–1999); shore of Buveiniai lake, 55°11'10"N, 22°26'25"E, bog woodland with *Alnus glutinosa*, Malaise trap, collectors V. Uselis (2001), P. Visarčuk and V. Uselis (2004), Plynutė peat bog, 55°09'58.9"N, 22°24'23.6"E, Malaise trap, collector V. Uselis (1999).

Ukmergė district, Beržalotas upland moore, 55°11'21.24"N, 25°00'09.52"E, pit-fall traps, collector D. Dapkus (2000); Pašilė forestry, 55°13'19.3"N, 24°48'25.6"E, collector G. Švitra (2004).

Vilnius, mouth of the Riešė r., 54°45'04.5"N, 25°18'59.3", *Alnus glutinosa* grooves on riverside, entomological net, collector S. Podėnas (2004).

All insects were identified by S. Podėnas, crane flies from Viešvilė Nature Reserve (collected in 2004) by P. Visarčuk and checked by S. Podėnas. Insects belonging to Anisopodidae family were identified according to Haenni (1997), *Sylvicola subfuscatus* Krivosheina & Menzel, 1988 - according to original description; Bibionidae - according to Krivosheina (1969); Limoniidae: *Chionea* and *Molophilus* - according to Savchenko (1982), *Gonomyia (Gonomyia) subtenella* Savchenko, 1972 and *Ormosia (Ormosia) loxia* Stary, 1983 - according to original descriptions, *Paradelphomyia* - according to Savchenko (1986), *Phylidorea (Phylidorea) heterogyna* (Bergroth, 1913) - according to original description; Tipulidae: *Phoroctenia* - according to Savchenko (1973), *Prionocera* - according to Brodo (1987).

The material is preserved in Zoological Museum of Vilnius University (VU) - pinned, in ethanol and slide mounted insects, in the collection of Viešvilė Nat. R. (VR) - pinned specimens, and in the Academy of Natural Sciences, Philadelphia PA, USA (ANSP) - in ethanol.

List of species

ANISOPODIDAE

Sylvicola fuscatus (Fabricius, 1775)

Widely distributed throughout the country and rather common species. During the period of 1996–2005 was collected: Panemunės Regional Park, 2004, 1♂ 2♀♀ (VU); Dubravai, 1998, 2♂♂ 3♀♀ (VU) and Netoniai, 2004, 1♀ (VU); Ažuolaičiai, 2005, 2♂♂ 5♀♀ (VU); Krakiai, 2004, 243♂♂ 249♀♀ (VU); Kurtuvėnai Regional Park, Čeprečiškė, 2004, 16♂♂ 30♀♀ (VU); administration of Viešvilė Nat. R., 1996, 1998, 6♂♂ 4♀♀ (VR, VU); Pašilė forestry, 2004, 2♂♂ 2♀♀ (VU). Flight period lasts from mid April to beginning of November.

Sylvicola subfuscatus Krivosheina & Menzel, 1988

Administration of Viešvilė Nat. R., 13–20 08 1996, 3♀♀, 04–11 05 1998, 1♂, 07–14 09 1998, 2♀♀; Artoji peat bog, 27 08 - 03 09 1996 1♀ (VR, VU).

BIBIONIDAE

Penthetria funebris Meigen, 1804

Šližiškiai, strand of the Virintai lake, 20–22 05 2005, 48♂♂ 13♀♀ (VU).

LIMONIIDAE

Subfamily CHIONEINAE

***Chionea (Sphaeconophilus) lutescens* Lundstrom, 1907**

Igliauka env., Palios peat bog, 12 09 - 01 11 2000, 1♂ (VU); Beržalotas upland moore, 02 09 - 28 10 2000, 2♂♂ (VU).

***Gonomyia (Gonomyia) subtenella* Savchenko, 1972**

Administration of Viešvilė Nat. R., 03–10 05 2004, 1♂ (VU).

***Molophilus (Molophilus) nodicornis* Lackschewitz, 1935**

Administration of Viešvilė Nat. R., 09–16 07 1996, 1♂ (VU); Plynutė peat bog, 16 05 1999, 1♂ (VU).

***Molophilus (Molophilus) occultus* Meijere, 1918**

Viešvilė Nat. R., Artoji peat bog, 20–27 07 1997, 1♂ (VU).

***Ormosia (Ormosia) loxia* Stary, 1983**

Mouth of the Riešė r., 24 04 2004 (VU).

Subfamily LIMNOPHILINAE

***Paradelphomyia (Oxyrhiza) senilis* (Haliday, 1833)**

Plokščiai, 24–31 07 1995, 2♂♂ (VU).

***Phylidorea (Phylidorea) heterogyna* (Bergroth, 1913)**

Administration of Viešvilė Nat.R., 02–09 09 1997, 1♂ (VU).

TIPULIDAE

***Phoroctenia vittata* (Meigen, 1830)**

Viešvilė Nat. R., shore of the Buveiniai lake, 22–30 05 2001, 3♂♂ (ANSP), 03–10 06 2004, 1♀ (VU).

***Prionocera chosenicola* Alexander, 1945**

Viešvilė Nat. R., Artoji peat bog, 05–20 05 1999, 1♂ (VU).

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12 naujų Lietuvos dvisparnių (Diptera: Nematocera) rūšių, aptiktų 1995–2005 metais

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Santrauka

12 naujų Lietuvos dvisparnių rūšių, priklausančių Anisopodidae, Bibionidae, Limoniidae ir Tipulidae šeimoms, buvo aptiktos 1995–2005 metais įvairiose šalies vietose. Pateikiami duomenys apie radimo datas, vietas, surinktų individų skaičių bei paplitimą.

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