

HISTORICAL RECORDS OF TACHINIDAE (DIPTERA) FROM LITHUANIA

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Introduction

The population size of insect parasitoids may vary in a great amplitude; therefore, historical collections may provide species of these insects fairly possibly be collected from some areas during decades. The global warming enables species spreading to the north, though very frequently we are unable to say whether the newly found species have been living in the area before because of a short tradition in Lithuanian Dipterology where Tachinidae are poorly represented in the collections.

Valuable specimens were found in the collections of historical entomologists, that are preserved at Vilnius University and at T. Ivanauskas Zoological Museum in Kaunas. Some part of those findings have been published before (Lutovinovas, 2006), the rest are provided in the present study.

Material and methods

The studied material was collected in 1926–1929. Specimens collected in the territory of the then Lithuania are deposited in the collection of T. Ivanauskas Zoological Museum (Kaunas); consequently, those collected in the Vilnius Region (which was occupied by Poland at that time), are deposited at the Museum of Zoology of Vilnius University (Vilnius). Marja Ostrejkówna (M.O.), who has collected the material in the Vilnius Region, swept insects from the vegetation (exact information is provided in the notebook preserved at Vilnius University), while no information is available about the methods implemented by Alfonsas Palionis (A.P.), who collected insects from the territory of the then Lithuania. The material was identified by the author of this report, using a key to the European species (Tschorasnig & Herting, 1994). The Lithuanian Tachinidae composition is adopted from the national species-list (Pakalniškis *et al.*, 2006) and a few supplemental sources (Lutovinovas 2007, 2009). Species new to the Lithuanian fauna are marked with an asterisk (*).

List of localities

Alytus district	Žuvintai	54°26'N, 23°37'E
Kaunas city	Pažaislis	54°52'N, 24°01'E
Marijampolė district	Daukšiai	54°29'N, 23°35'E
	Obelinė	54°38'N, 23°21'E
Švenčioniai district	Burbliškė [Burblišzki]	54°59'N, 25°47'E
	Jedlinavas [Jedlinowo]	54°56'N, 25°44'E
Vilnius city	no exact locality [Viļno]	-

List of species

Dexia rustica (Fabricius, 1775)

Žuvintai, 29 08 1927, 1♀ (A.P.).

**Dexia vacua* (Fallén, 1817)

Jedlinavas, 18 08 1928, 1♀ (M.O.).

Dufouria chalybeata (Meigen, 1824)

Žuvintai, 24 08 1927, 1♂ (A.P.).

Eriothrix rufomaculatus (De Geer, 1776)

Jedlinavas, 15 07 1927, 1♂ (M.O.).

Prosena siberita (Fabricius, 1775)

Burbliškė, 11 08 1926, 1♂1♀; Jedlinavas, 23 08 1927, 1♀ (both M.O.).

Voria ruralis (Fallén, 1810)

Vilnius, 20 09 1927, 1♂ (M.O.).

**Aphria longilingua* Rondani, 1861

Jedlinavas, 23 07 1928, 1♂ (M.O.).

Dexiosoma caninum (Fabricius, 1781)

Jedlinavas, 16 07 1927, 1♂ (M.O.).

Lypha dubia (Fallén, 1810)

Žuvintai, ?24 08 1927, 1♀ (A.P.).

Macquartia tenebricosa (Meigen, 1824)

Pažaislis, 29 05 1927, 1♀ (A.P.).

Mintho rufiventris (Fallén, 1817)

Jedlinavas, 30 07 1928, 1♀ (M.O.).

Pelatachina tibialis (Fallén, 1810)

Vilnius, 10 06 1927, 1♀ (M.O.).

**Siphona geniculata* (De Geer, 1776)

Jedlinavas, 25 07 1927, 1♀ (M.O.).

Bessa selecta (Meigen, 1924)

Vilnius, 23 09 1927, 1♀ (M.O.).

Blondelia nigripes (Fallén, 1810)

Burbliškė, 09 07 1926, 1♂; Jedlinavas, 30 07 1928, 1♀ (both M.O.).

**Carcelia gnava* (Meigen, 1824)

Žuvintai, 17 08 1927, 1♂2♀ (A.P.).

**Diplostichus janitrix* (Hartig, 1838)

Žuvintai, 17 08 1927, 1♀ (A.P.).

Eumea linearicornis (Zetterstedt, 1744)

Vilnius, 14 06 1927, 1♀ (M.O.).

Exorista larvarum (Linnaeus, 1758)

Daukšiai, 25 07 1927, 1♀ (A.P.).

Exorista rustica (Fallén, 1810)

Jedlinavas, 30 07 1928, 2♂; 22 08 1927, 1♀ (M.O.).

**Meigenia uncinata* Mesnil, 1967

Jedlinavas, 20 08 1927, 1♂ (M.O.).

Nilea hortulana (Meigen, 1824)

1929, 1♂ (A.P.).

***Nilea rufiscutellaris* (Zetterstedt, 1859)**

Žuvintai, 17 08 1927, 1♀ (A.P.).

***Phorocera obscura* (Fallén, 1810)**

Vilnius, 22 05 1928, 1♀ (M.O.).

***Phryxe nemea* (Meigen, 1824)**

Vilnius, 24 06 1927, 1♀ (M.O.).

***Winthemia quadripustulata* (Fabricius, 1794)**

Obelinė, 02 08 1928, 1♂ (A.P.).

Discussion

Thirty-three specimens represented by twenty-six species of Tachinidae were newly found in the Lithuanian historical collections (1926–1929). Earliest findings of Tachinidae from the Žuvintas Nature Preserve (the first protected area of Lithuania) are recorded among them. Dipterology practically did not exist at that time in Lithuania; therefore, the first records of these abundant insects were contributed to our fauna from the areas that were transmitted to Lithuania after the war, e.g., from the late German areas (Pakalniškis, 1989). A few specimens presented in our study were in the interwar period swept or reared from their hosts and neglected in the museums unidentified.

Six of the recorded species are new to the local fauna of Lithuania, proving the value of old collections for the faunistic studies. They raise the total number of Lithuanian species of Tachinidae up to 217 (cf. Lutovinovas 2007, 2009).

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Lietuvos faunos Tachinidae (Diptera) istorinėse kolekcijose

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Santrauka

Pateikiami duomenys apie dvidešimt šešias dygliamusių rūšis rastas Lietuvos istorinėse kolekcijose (1926–1929). Tarp jų yra seniausi šios šeimos rinkiniai iš Žuvinto gamtos rezervato. Dvisparnių tyrimai Lietuvoje pradėti labai vėlai ir tarpukario metais dar nebuko plėtojami, todėl neapibūdinta medžiaga užsimiršo muziejuose. Šešios rastos rūšys yra naujos Lietuvos vietinei faunai, ir tai parodo senų kolekcijų reikšmę faunos tyrimams. Sudėjus anksčiau skelbtus duomenis, Lietuvoje iš viso rasta 217 šios šeimos rūšių.

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