

New records of Chloropidae (Diptera) from the Czech and Slovak Republics

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Abstract: Altogether 2 genera and 16 species of the family Chloropidae (Diptera) are recorded from the Czech Republic (2 genera, 12 species) and Slovakia (4 species): 2 genera and 4 species represent first records from the Czech Republic, 8 species are new for the fauna of Bohemia and 4 for the fauna of the Slovak Republic. The most interesting findings are *Eutropha variegata* Loew, 1866, *Chlorops babosae* Dely-Draskovits, 1978, *Chlorops longipalpis* (Duda, 1933), *Calamoncosis rhenana* Wendt, 1994, *Lasiambia subsplendens* (Duda, 1933) and *Sabroskyina sziladyi* (Duda, 1933).

Key words: Chloropidae, faunistics, distribution, new records, Czech Republic, Slovakia

Introduction

The fauna of Chloropidae (Diptera) is relatively well known in the Czech Republic, and somewhat less in Slovakia. Hitherto 205 species have been recorded from the Czech Republic (155 from Bohemia, 181 from Moravia) but only 169 from Slovakia (Kubík 2009). The recent faunal investigations performed in both these countries revealed a number of species which proved to represent new additions to their regional faunas. They are recorded below to update the knowledge about the species spectrum of Chloropidae in both the Czech Republic and Slovakia.

Material and Methods

The material presented in this study was collected by various methods, mostly by individual sweep-netting. All the material is deposited in the collections of the Czech University of Life Sciences, Prague. Nomenclature and distribution follow Nartshuk (2004) and Kubík (2009).

Survey of species

SIPHONELLOPSINAE

Apotropina longepilosa (Strobl, 1893)

Czech republic: Bohemia: Valtířov, right store of Labe, sandy beach, PT, 140m, 50°40'32,4''N 14°7'44,2''E, 3.-4.v.2008, 1♂, M. Barták leg.

The species is distributed in Europe: Austria, Bosnia and Herzegovina, Bulgaria, Croatia, French mainland, Italian mainland, Poland, Romania, Slovakia, Slovenia, Spanish mainland and in the East Palaearctic Region. First record from Bohemia.

CHLOROPINAE

Eutropha variegata Loew, 1866

Czech republic: Bohemia: Veselská (d. Pardubice), wool dunes in a former sand pit, 8.vii.2003, 3♂ 1♀, Mocek leg. A widespread Palaearctic species known also from neighboring countries Austria, Germany. Poland and Slovakia. This is the first record of both the genus and species from the Czech Republic.

Chlorops babosae Dely-Draskovits, 1978

Slovakia: Chvojnická pahorkatina, Skalica-Vettník, 2.vi.1999, 1♂ 1♀, L. Roller leg.

The species has only been known from Estonia, Hungary and Central European Russia. This first record from the Slovak Republic represents a new westernmost distributional limit of the species.

Chlorops figuratus (Zetterstedt, 1848)

Chvojnická pahorkatina, Skalica-Vettník, 2.vi.1999, 1♀, L. Roller leg.

A widespread Palaearctic species. First record from the Slovak Republic

***Chlorops frontosus* Meigen, 1830**

Czech Republic: Bohemia: Praha-Háje, damp meadow, 50°01'N 14°32'E, 26.iv.1989, 2♂ 1♀, M. Barták leg
A West Palaearctic species. First record from Bohemia.

***Chlorops laetus* Meigen, 1830**

Czech Republic: Bohemia: Šumava, 4 km S of Prášily, nr Křemelná river, 27.viii.2000, 2♂ 1♀, M. Barták leg.
A Palaearctic species. First record from Bohemia.

***Chlorops longipalpis* (Duda, 1933)**

Slovakia: Považský Inovec, Tematinske vrchy, Lúka, 22.-30.v.1999, 1♀, M. Kozánek and L. Roller leg.
A little known species, hitherto recorded from Austria, Germany, Italian mainland and Switzerland. This first record from the Slovak Republic represent a new northeastern distributional limit of the species.

***Chlorops rossicus* Smirnov, 1955**

Slovakia: Považský Inovec, Tematinske vrchy, Lúka, 6.-18.vi.1999, 1♀, 26.vii.-2.viii. 1999, 1♀, M. Kozánek and L. Roller leg; Jakubov, 2.viii.1981, 1♀, M. Kozánek leg.
A West Palaearctic species. First record from the Slovak Republic.

***Chlorops socia* Becker, 1912**

Czech Republic: Bohemia: Vráž nr Písek, damp meadow, 490 m, 49°24'12''N 14°7'13''E, 16.-20.vi.2008, 3♀, M. Barták leg.
Hitherto, the species has only been known from Bosnia and Herzegovina, French mainland, Hungary, Italian mainland, Novaya Zemlya and Sicily. First record from the Czech Republic.

***Meromyza sibirica* Fedoseeva, 1961**

Czech Republic: Bohemia: Vráž nr. Písek, damp meadow, 430 m, 49°24'12''N 14°7'13''E, 18.-22.vi.2007, 12♂, M. Barták leg
A little known Palaearctic species. First record from the Czech Republic.

***Pseudopachychaeta oscinina* (Fallen, 1813)**

Czech Republic: Bohemia: Duchcov-Křinec, SW, 220m, 50°36'50''N 13°45'20''E, 4.vii.1997, 1♂, M. Barták leg; Bílina, sek 3, V. Klín pond, 210 m, 50°36'N 13°43'E, 29.iv.1995, 2♂ 3♀, M. Barták leg; Bílina, sek 4, mine dump, 220 m, 50°34'N 13°46'E, 28.v.1995, 1♀, M. Barták leg.
A widespread Palaearctic species. First record from Bohemia.

OSCINELLINAE

***Calamoncosis aprica* (Meigen, 1830)**

Czech Republic: Bohemia: Žehuňský rybník, near pond, 200 m, 50°09'N 15°19'E, 13.vii. 1985, 2♀, M. Barták leg; Krkonoše, Sluneční stráň, MT, 645 m, 50°38'12''N 14°49'23''E, 2.-30.vi.2009, 3♂ 1♀, J. Vaněk leg; Hlinsko-Podskalí, Labe shore (grass+sand), 130 m, 50°49'N 14°13'E, 14.v.2011, 1♀, M. Barták leg.
A West Palaearctic species. First record from Bohemia.

***Calamoncosis duinensis* (Strobl, 1909)**

Czech Republic: Bohemia: Bílina-Jirásek III, Phragmitetum, MT, 310 m, 50°33'35''N 13°47'44''E, 1♀, M. Barták leg
A widespread Palaearctic species. First record from Bohemia.

***Calamoncosis rhenana* Wendt, 1994**

Czech Republic: Bohemia: Krkonoše, Bíner, damp meadow, MT, 50°37'50''N 14°40'34''E, 4.-31.viii.2009, 1♀, J. Vaněk leg; Moravia: Podyjí NP, Liščí skála, quercetum, MT, 420 m, 48°49'48''N 13°55'28''E, 29.vii.-29.viii.2001, 3♀ M. Barták and Š. Kubík leg; 1.5 km SW of Havraníky, steppe, MT, 340 m, 48°48'29''N 15°59'31''E, 27.v.-7.vi.2001, 1♀, M. Barták and Š. Kubík leg; Braitava letohr., mixed wood, MT, 530 m, 48°52'32''N 15°50'05''E, 2.vii.-3.viii.2004, 1♀, M. Barták and Š. Kubík leg.
An extremely rare and little known species, hitherto recorded only from Germany. First record from the Czech Republic.

***Gaurax leucarista* Nartshuk, 1962**

Czech Republic: Bohemia: Vráž nr. Písek, wood, Pyr. tr. 400 m, 49°24'10''N 14°7'03''E, 30.iv.-6.vi.2012, 1♀, M. Barták leg.
A little known species, hitherto recorded only from the Czech Republic (Moravia), Poland, Russia Central and Northwest European Russia. First record from Bohemia and new westernmost limit of distribution of the species.

***Lasiambia subsplendens* (Duda, 1933)**

Czech Republic: Bohemia: Krkonoše, Zrcadlový potok, MT, 670 m, 50°38'19"N 14°49'54"E, 7.v.-2.vi.2009, 1♂, 18.viii.-1.ix.2009, 1♀, both J. Vaněk leg.

A little known and extremely rare species, hitherto recorded only from Germany and the Slovak Republic (Kubík & Roháček, 2009). First record from the Czech Republic.

***Sabroskyina sziladyi* (Duda, 1933)**

Czech Republic: Bohemia: Pečky 1 km NW, Salix shrubs, 220 m, 50°05'N 15°02'E, 16.v.1988, 1♂ 1♀, M. Barták leg; Bílina-Štěpánov, hilltop steppe, MT, 450m, 28.v.-15.vi. 1998, 1♂ 3♀, 15.vi.-25.vi.1998, 1♀, all M. Barták leg; Bohemia or., PR Bludy, xerotherm-sweeping, 3.vi.2003, 1♀, B. Mocek leg; Moravia: Podyjí NP, Devět mlýnů, floodplain wood, MT, 270 m, 48°49'07"N 15°58'17"E, 1♀, M. Barták and Š. Kubík leg.

This extremely rare species has only been known from Bulgaria. A new genus and species for the fauna of the Czech Republic. Important records essentially expanding the are of distribution of this insufficiently known species.

***Siphunculina simulata* Kanmyia, 1982**

Czech Republic: Bohemia: Uhlířské Janovice 3 km NWW, garden, 49°53'27"N 15° 1'48"E, iii.-iv.2010, 3♂ 1♀, Barták leg.

A little known species, originally described from the East Palaearctic. There are only scarce records from W. Palaearctic: Czech Republic, Slovakia. First record from Bohemia.

Conclusions

The above records essentially increase the number of species known from the Czech and Slovak Republics. Presently, the family is represented by 209 species in the Czech Republic (163 in Bohemia, 181 in Moravia) and by 173 species in Slovakia. Moreover, two genera, viz. *Eutropha* Loew, 1855 and *Sabroskyina* Beschovski, 1987, are recorded from the Czech Republic for the first time.

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Nové nálezy zelenušek (Diptera: Chloropidae) z České republiky a Slovenska

Celkem 2 rody a 16 druhů z čeledi Chloropidae (Diptera) je poprvé hlášeno z území České republiky (2 rody, 12 druhů) a Slovenska (4 druhy): 2 rody a 4 druhy představují první nálezy z České republiky, 8 druhů je nových pro faunu Čech a 4 pro faunu Slovenské republiky. Mezi nejzajímavější zjištěné druhy patří: *Eutropha variegata* Loew, 1866, *Chlorops babosae* Dely-Draskovits, 1978, *Chlorops longipalpis* (Duda, 1933), *Calamoncosis rhenana* Wendt, 1994, *Lasiambia subsplendens* (Duda, 1933) and *Sabroskyina sziladyi* (Duda, 1933).

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