

## NEW FAUNISTIC RECORDS OF TEPHRITIDAE (DIPTERA) FROM THE CZECH REPUBLIC AND SLOVAKIA

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**Abstract:** A new distributional data for nine species of Tephritidae are presented. *Aciura coryli* (Rossi, 1794) is confirmed for the Czech Republic (Moravia) after nearly one century and also presented as a new species for Bohemia. The records of *Campiglossa solidaginis* (White, 1986), *Cornutrypeta spinifrons* (Schroeder, 1913) and *Cornutrypeta superciliata* (Frey, 1935) are the first for the Czech Republic. *Campiglossa difficilis* (Hendel, 1927) and *Trupanea amoena* (Frauenfeld, 1857) are referred as new species for the first time recorded in Bohemia while *Campiglossa misella* (Loew, 1869) and *Tephritis mutabilis* Merz, 1992 are new for Moravia. The record of *Chaetorellia acrolophi* White et Marcquart, 1989 is the first for Slovakia.

**Key words:** Tephritidae, faunistics, distribution, new records, Czech Republic, Slovakia.

During the examination of the material of Tephritidae deposited in the collections of the first and second authors and the National Museum, Prague, new faunistic records for the territories of the Czech Republic and Slovakia have been revealed:

### *Aciura coryli* (Rossi, 1794) – Fig. 1

Czech Republic: Bohemia mer., Temelín (6852), 49°11'00"N, 14°23'00"E, 510 m a.s.l., atomic power station, wetland, Malaise trap, 21.5.–24.6.2007, 1♀, J. Farkač leg., M. Barták coll., B. Merz det.; Moravia bor., Beskydy Mts, Morávka (6377c), 49°36'42,56"N, 18°30'01,66"E, 430 m a.s.l., valley of Vysutý brook, resting on the wall, 3.11.2007, 1♂, M. Deml observ., P. Heřman det., B. Merz revid. (both based on photographs).

A Palearctic species, very rare in Central Europe. Except Austria and Hungary there is only an old record from Moravia (CZIŽEK 1910). But the documentary material is probably missing and therefore the species was not mentioned in both last versions of the Czech and Slovak checklist (KINKOROVÁ 1997, 2006). The occurrence in Moravia is confir-

med after a long time and the species is also new for Bohemia.

### *Campiglossa difficilis* (Hendel, 1927)

Czech Republic: Bohemia bor., Krkonoše Mts, Obří důl (5260), 50°43'36"N, 15°43'40"E, 950 m a.s.l., yellow pan traps, 2.8.2007, 1♂, M. Barták leg. et coll., B. Merz det.

This Palearctic species occurs preferentially at higher altitudes. In the Czech Republic previously known only from Moravia. A new species for Bohemia.

### *Campiglossa misella* (Loew, 1869)

Czech Republic: Moravia mer., Podyjí National Park, Široká pole, 48°51'30"N, 15°51'01"E, residual lowland strip along river, 280 m a.s.l., yellow pan traps, August 2003, 1♀, M. Barták et Š. Kubík leg., M. Barták coll.

Locally common Palearctic and Oriental species. In the Czech Republic it is known from Bohemia. This record from Moravia was already published

previously (KINKOROVÁ et al. 2005), however, not recognized as first record and, therefore, the number of specimens was not indicated. The first fully documented record for Moravia.

***Campiglossa solidaginis* (White, 1986)**

Czech Republic: Moravia bor., Moravskoslezské Beskydy Mts, Lysá hora (6476), 49°32'46"N, 18°26'53"E, hilltop, 1323 m a.s.l., Malaise trap, 29.7.–31.8.2007, 1♂, M. Barták leg. et coll., B. Merz det.

A rare European species, in Central Europe known from Slovakia and Switzerland. The first record for the Czech Republic.

***Chaetorellia acrolophi* White et Marcquart, 1989**

Slovakia occ., Hlohovec (7572), 12.8.1989, 1♀, Z. Málek leg., M. Barták coll., B. Merz det.

A local species with Holarctic distribution. In central parts of Europe previously known from Aus-

tria, Germany, Hungary, Switzerland and the Czech Republic. The first record from Slovakia.

***Cornutrypeta spinifrons* (Schroeder, 1913)**

Czech Republic: Moravia bor., Hrubý Jeseník Mts, Velká Kotlina (5969), 50°03'23"N, 17°14'18"E, deciduous shrub, 1300 m a.s.l., Malaise trap, 7.7.–23.8.2004, 1♀, J. Ševčík leg., M. Barták coll., B. Merz det.

An uncommon Palaearctic species. In Central Europe it is present in Austria, Germany, Poland, Slovakia and Switzerland. A new species for the Czech Republic.

***Cornutrypeta superciliata* (Frey, 1935)**

Czech Republic: Bohemia occ., Šumava Mts, Nová Hůrka (6845), 49°09'21"N, 13°20'00"E, 880 m a.s.l., spruce forest, Malaise trap, 24.6.–28.7.2000, 1♂, M. Barták leg. et coll., B. Merz det. (deposited in the Muséum d'Histoire Naturelle, Genève).



**Fig. 1.** *Aciura coryli* (Rossi, 1794), male – Moravia bor., Morávka, 3.11.2007, photo M. Deml.

So far only known from Scandinavia and northern parts of Russia this species is here recorded for the first time from Central Europe. At the same time it is the first record for the Czech Republic.

#### ***Tephritis mutabilis* Merz, 1992**

Czech Republic: Moravia bor., Moravskoslezské Beskydy Mts, Lysá hora (6476), 49°32'46''N, 18°26'53''E, hilltop, alpine meadow, 1323 m a.s.l., Malaise trap, 29.7.-27.8.2004, 1♀, M. Barták leg. et coll., B. Merz det.

This overlooked Palaearctic species is known in the Czech Republic from Bohemia. The first record for Moravia is presented.

#### ***Trupanea amoena* (Frauenfeld, 1857)**

Czech Republic: Bohemia bor., Raná (5548), July 1968, 1♂, 2♀♀; Bohemia centr., Praha – Zbraslav (6052), July 1966, 1♂, 1♀; Nový Knín (6251), 22.7.1971, 1♂; Slapy (6152), 22.7.1971, 1♂; all J. Dirlbek leg., National Museum, Prague coll., P. Heřman det.; Bohemia centr., Praha – Stodůlky (5951), Prokopské údolí, swept, 19.8.2006, 1♀, P. Heřman leg., det. et coll.

This species with Palaearctic, Oriental, Afrotropical and Australasian distribution is common on the

south, but rather local in Central and Northern Europe. In the Czech Republic it was previously known from Moravia. A new species for Bohemia.

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