

## NEW RECORDS OF *Callopietromyia annulipes* (DIPTERA: ULIDIIDAE) FROM SLOVAKIA

### SHORT COMMUNICATION

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#### ABSTRACT

New records of an introduced peacock fly *Callopietromyia annulipes* (Macquart, 1855) from 19 localities in Slovakia are presented.

#### KEYWORDS

non-indigenous species, faunistics, distribution

#### *Callopietromyia annulipes* (Macquart, 1855)

Data are arranged according the orographic unit (arranged from West to East) as follows: orographic unit, municipality, local name (if any), habitat, geographic coordinates (WGS 84), grid reference number, date of the collection, number of individuals with the sex indication, authors of observation, collection, determination or revision. Abbreviations: MML – Municipal Museum Mariánské Lázně, Czech Republic.

**Slovakia:** Borská nížina lowland, Lozorno, golf course – on the flag poles indicating golf holes, 48°19'8"N, 17°1'52"E, 7668c, 25. 6. 2017, 1 ex., L. Blažičková observed. – Ibidem, Lozorno, sandy shore of the small water reservoir, 48°19'35"N, 17°3'49"E, 7668c, 28. 6. 2017, 1♀, Z. Komárová leg., L. Dvořák det., coll. MML. – Ibidem, Bratislava – Devínska Nová Ves, Devínske jazero, garden by a family house, 48°15'44"N, 16°57'51"E, 7767b, 15. 6. 2017, 1 ex., E. Stloukal observed., 5. 8. 2017, 1♀, E. Stloukal leg., det. et coll. – Ibidem, Malacky, caught on a family house near Zámocký park, 48°26'10"N, 17°02'01"E, 7568, 5. 7. 2017, 1♀, M. Semelbauer leg., det. et coll. – Podunajská nížina lowland, Iža, Bokroš, salt marsh, 47°45'2"N, 18°15'13"E, 8275b, 16. 5. 2017, 1♂, 26. 5. 2017, 1♀, 31. 5. 2017, 1♂, all L. Vidlička & O. Majzlan leg., M. Semelbauer det. et coll. – Ibidem, Orechová Potôň – Lúky, overgrown edge of the pond, 48°2'43"N, 17°33'46"E, 7971c, 28. 7. 2017, J. Červenka lgt., V. Janský det. et coll. (Slovak National Museum, Bratislava). – Ibidem, Devičany, abandoned apple orchard grazed with sheep, horse and goat, 48°19'14"N, 18°43'2"E, 7876, 2. 6. 2016, 1♀, 15. 6. 2016, 1♀, 9. 8. 2016, 1♂, 2♀, 15.9.2016, 1♀, all L. Vidlička & O. Majzlan leg.,

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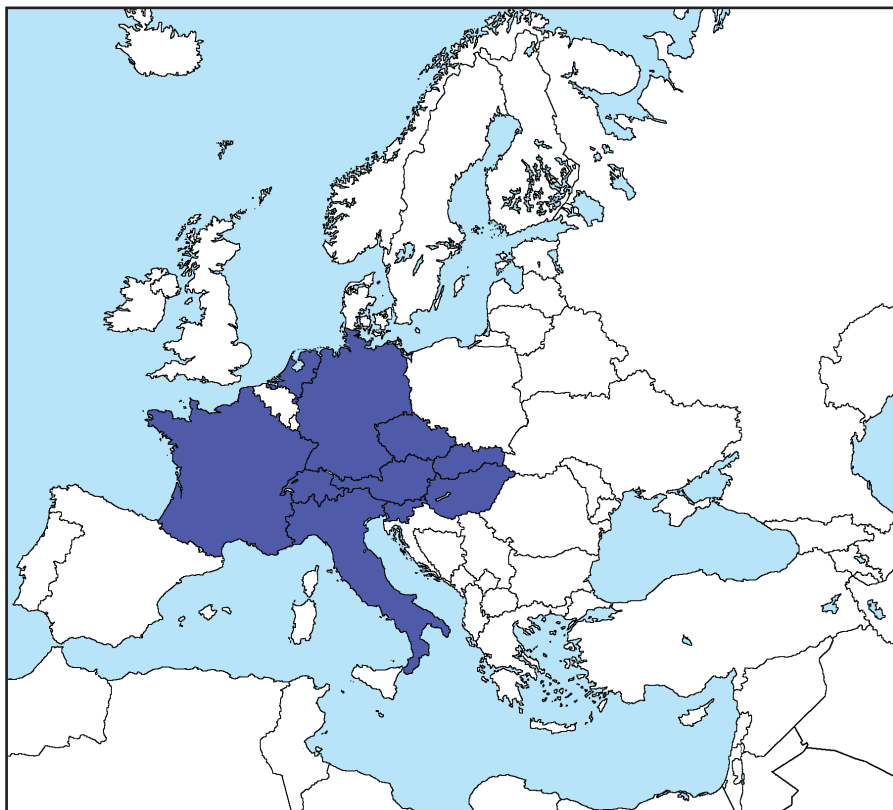
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M. Semelbauer det. et coll. – Ibidem, Devičany, active apple orchard, 48°19'23"N, 18°42'29"E, 7876, 22. 7. 2017, 1♀, 30. 7. 2017, 1♂, 9. 7. 2017, 1♀, 15. 9. 2017, 1♀, 21. 9. 2017, 2♀, all L. Vidlička & O. Majzlan leg., M. Semelbauer det. et coll. – Malé Karpaty, Stupava, on the handrail of the wharf leading to the center of the small fish-pond, 48°16'40"N, 17°3'3"E, 7768a, 26.6.2017, 1 ex., I. Magátová observed. – Ibidem, Stupava, in the garden of the family house, on black concrete curbstones, 48°16'9"N, 17°2'38"E, 7768a, 28.6.2017, L. Bachár leg., 1♀, L. Dvořák det., coll. MML. – Ibidem, Devín, NPR Devínska Kobyla, steppe and forest-steppe, 48°10'53"N, 16°59'6"E, 7867b, 2. 6. 2017, 1♀, L. Dvořák leg. et det., coll. MML. – Ibidem, Bratislava, area of Slovak Academy of Science, 48°10'21"N, 17°4'0"E, 7868a, 21. 6. 2017, 1 ex., T. Čejka observed. – Ibidem, Kuchyňa, forest and warm meadow margin, 48°24'5"N, 17°10'55"E, 7569c, 16. 8. 2016, 1♂, 1♀, Malaise trap, E. Vidlička & M. Kozánek leg., M. Semelbauer det. et coll. – Trnavská Pahorkatina uplands, Šenkvice, area of co-operative farm, 48°18'15"N, 17°21'36"E, 7670c, Malaise trap No. 1, 11. 5. 2016, 1♀, 25. 5. 2016, 7♂♂, 5♀♀, 29. 6. 2016, 1♀, all L. Vidlička leg., M. Semelbauer det. et coll. – Ibidem, Šenkvice, area of co-operative farm, 48°18'4"N, 17°21'39"E, 7670c, Malaise trap No. 4, 11. 5. 2016, 1♀, 22. 6. 2016, 1♀, 27. 7. 2016, 1♀, 3. 8. 2016, 1♀, 24. 8. 2016, 1♀, 24. 8. 2016, 1♀, 14. 9. 2016, 2♂♂, 6♀♀, all L. Vidlička leg., M. Semelbauer det. et coll. – Považský Inovec Mts, Radošina, Čertova Pec env., foothill mowed meadow, irregularly grazed by goats, edge of the beech-oak forest, 48°33'41"N, 17°54'57"E, 7473b, 29. 8. 2016, 1♀ (Fig. 1), L. Tábi photo, V. Straka det., L. Dvořák revid. – Nitrianska Pahorkatina foothills, Jarok, ecotone between cropland and deciduous forest dominated by common ash and small-leaved lime, admixed with northern red oak, Scots pine and locust-tree, 48°16'32"N, 17°59'26"E, 7773b, 16. 5. 2017, 3 ex., J. Kollár observed. – Hronská Pahorkatina uplands, Mužla, Čenkovská step, 47°46'5"N, 18°31'7"E, 8277a, 15. 9. 2017, 1 ex., J. Kollár observed. – Ipeľská pahorkatina uplands, Horša (Levice), Horšianska dolina, dolina rieky Sikenica, 48°15'07"N, 18°41'57"E, 7778a, 15. 5. 2017, 4♀, 26. 5. 2017, 3♂, 1♀, 1. 6. 2017, 5♂, 6♀, 8. 6. 2017, 2♂, 5♀, all L. Vidlička & O. Majzlan leg., M. Semelbauer det. et coll.



**Figure 1.** *Callopietromyia annulipes* from Čertova Pec, Slovakia. (Photo: L. Tábi)

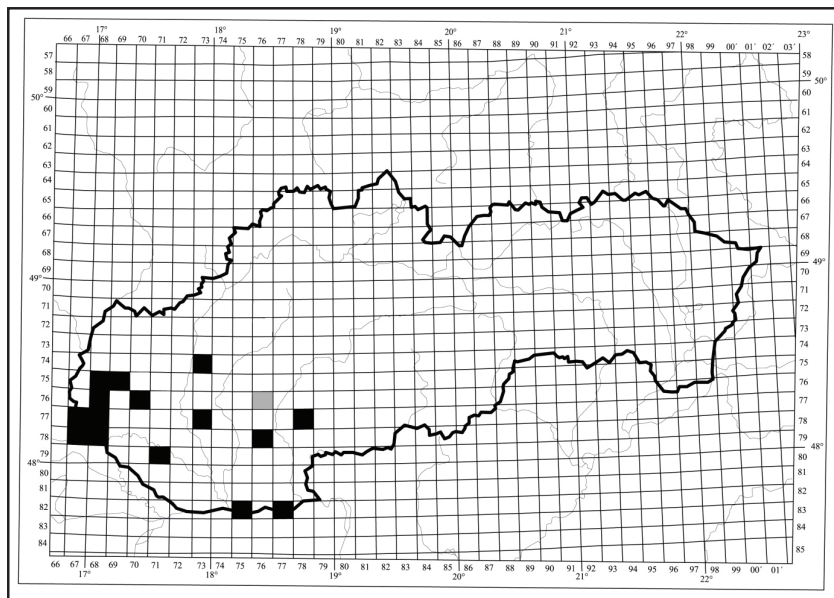
The peacock fly *Callopietromyia annulipes* (Macquart, 1855) is a member of picture-winged flies of the subfamily Otitinae (Ulidiidae). This Nearctic species (STEYSKAL 1979, KAMENEVA & KORNEYEV 2006) was recently introduced to Central Europe, the first European record came from Switzerland in 2007 (MERZ 2008). Later on, this species spread through Europe rapidly, the first record from Slovakia was published by KORNEYEV et al. (2014), who summarised the distribution of *C. annulipes* in Europe. The newest records became from Hungary (KAMENEVA & PEKARSKY 2016) and Czechia (DVOŘÁK 2017) (Fig. 2).



**Figure 2.** The present distribution of *Callopietromyia annulipes* in Europe. The distribution is presented as occurrence in countries, not as regular range based on individual records.

In this paper, we listed 19 new localities of *C. annulipes* in 15 mapping squares from Slovakia (Fig. 3). As no specimen was recorded in eastern parts of Slovakia not in bait traps (L. Dvořák), neither in Malaise traps (M. Semelbauer), we suspect that the distribution of *C. annulipes* in Europe does not cross 19°E yet. This conclusion supports also the fact that *C. annulipes* was not recorded in Poland and Ukraine yet,

although the dipterological community in both countries is large with true experts on Ulidiidae and allied families.



**Figure 3.** The present distribution of *Callopietromyia annulipes* in Slovakia. Grey: published record, black: new records.

#### ACKNOWLEDGEMENT

The authors wish to thank L. Tábi for the *C. annulipes* photo. We would also like to thank those who have sent us material or photos of peacock flies.

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