

The first record of *Myodris annulata* (Fallén, 1813) representing the second species of the family Periscelididae (Diptera: Schizophora) from Ukraine

The Ukrainian Diptera fauna is scarcely known; there are many recent studies reporting fly families new to the country (Korneyev 1997, 1999a,b, 2003, Misiachna & Korneyev 2015). The family Periscelididae is a small dipterous family with 107 extant species (Periscelididae sensu lato) (Mathis & Rung 2011). In the Palaearctic region 16 species of two subfamilies and five genera are known. Only three genera occur in Europe; *Myodris* Lioy, 1864, *Periscelis* Loew, 1857 and *Stenomicroa* Coquillet, 1900 (Pape & Beuk 2013, Papp & Withers 2011, Roháček & Andrade 2017). Based on the differentiating characteristics found between the subgenera *Periscelis* (*Persicelis*) and *Periscelis* (*Myodris*), Papp & Withers (2011) proposed a genus status for *Myodris*. In this paper, we followed this classification. In the Palaearctic area, *Myodris* contains five species: *M. annulata* (Fallén, 1813), *M. chinensis* (Papp & Szappanos, 1997) (China), *M. flinti* (Malloch, 1915) (Nearctic), *M. kabuli* (Papp, 1988) (Afghanistan) and *M. pircercus* (Carles-Tolrá & Verdugo Páez, 2009) (Spain). *M. annulata* is known from the Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Israel, Italy, Japan, Netherlands, Russia (European Part), Slovakia, Spain, Sweden and Switzerland (Mathis & Rung 2011).

The specimen was trapped during a field test in West Ukraine in the tri-border region of Hungary, Slovakia and Ukraine (Fig 1.). We found the specimen in a Lepidoptera trap (CSALOMON VARL+, www.csalomontraps.com) baited with semi-synthetic attractant (mixture of iso-amyl alcohol, acetic acid and red wine) (Tóth et al. 2015). The specimen was preserved in 70% EtOH. It was identified using stereoscopic microscope based on keys provided by Mathis & Papp (1998) and Papp & Withers (2011). The voucher specimen is deposited in the Diptera Collection of the Hungarian Natural History Museum, Budapest, Hungary.

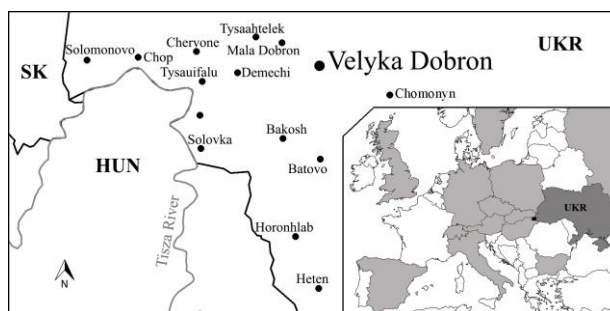


Figure 1. European distribution of *Myodris annulata* with its new locality in Transcarpathian Region, West Ukraine. Light grey: formerly known European distribution, Dark grey: new Ukrainian data.

***Myodris annulata* (Fallén, 1813)**

Material examined: Ukraine, Uzhhorod Raion, Velyka Dobron' (Nagydobrony), N 48.4338°, E 22.4041°, 104 m a.s.l. 07.06.2015, leg. Sz. Szanyi & A. Molnár, 1 male (Fig 1.).

Remarks: The occurrence of *Myodris annulata* represents the first record of the genus *Myodris* Lioy and second species of the family Periscelididae in Ukraine.

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