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## THE FIRST RECORD OF *OTITES ORNATA* (DIPTERA: ULIDIIDAE: OTITINAE) IN UKRAINE

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**Kameneva, E. P., Shparyk, V. Yu. & Korneyev, V. A. The first record of *Otites ornata* (Diptera: Ulidiidae: Otitinae) in Ukraine.** — *Otites ornata* (Meigen, 1826), a cryptic species of the genus *Otites* previously known to occur only in the Danube basin, is recorded for the first time from Ukraine (Ivano-Frankivsk Region, Opillya).

**Key words:** Diptera, Tephritoidea, Ulidiidae, Ukraine, new records.

**Каменєва, О. П., Шпарик, В. Ю. і Корнєєв, В. О. Перша реєстрація *Otites ornata* (Diptera: Ulidiidae: Otitinae) у фауні України.** — Криптичний вид мух-стрічкокрилок роду *Otites*, досі відомий з басейну Дунаю, *Otites ornata* (Meigen, 1826), вперше знайдено в Україні в Опілля (Івано-Франківська область).

**Key words:** Diptera, Tephritoidea, Ulidiidae, Україна, нові знахідки.

### Introduction

The genus *Otites* includes nearly 50 species occurring mainly in Europe and Near East, with a few species in Eastern Asia and North America, of them about one dozen remaining by far undescribed (Kameneva, in prep.). Recently, the checklist of the Ulidiidae of Ukraine included only 5 species of the genus *Otites* Latreille: *O. centralis* (Fabricius, 1805), *O. guttata* (Meigen, 1830), *O. lamed* (Schrank, 1781), *O. nebulosa* (Latreille, 1811), and *O. ruficeps* (Fabricius, 1805) (= *O. formosa* (Panzer, 1798), preoccupied name) (Kameneva & Greve Jensen, 2013; Kameneva et al., 2020). *Otites ornata* (Meigen, 1826) was known to occur mainly in the Danube basin (Austria, Bulgaria, Czech Republic, France, southern Germany, Hunga-

ry, Romania, and Slovakia (Kameneva, 1997; Kameneva & Korneyev, 2019).

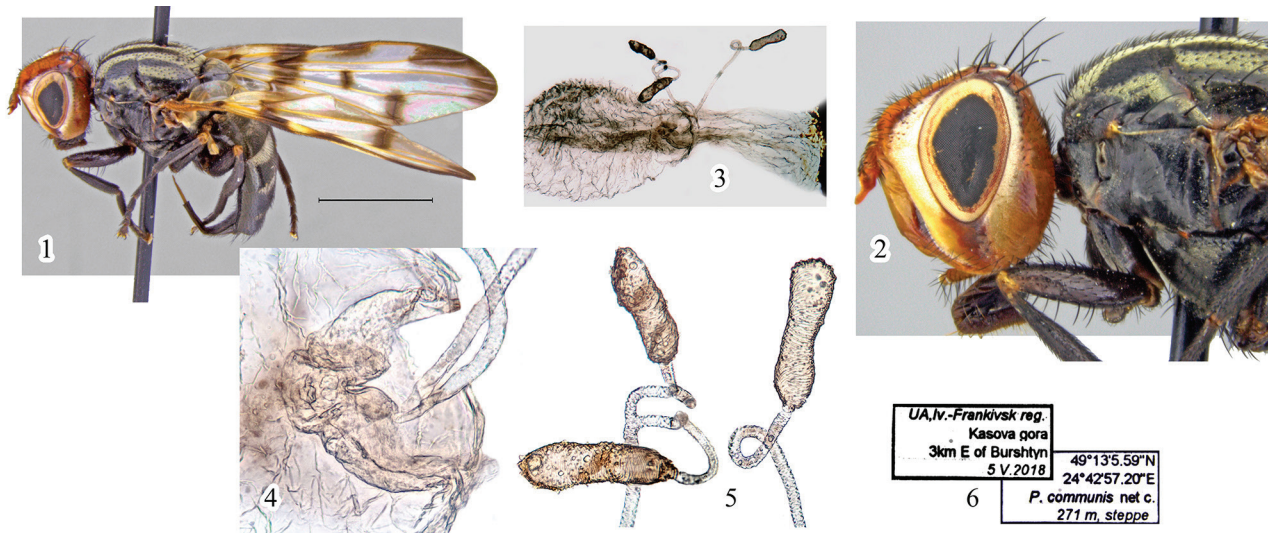
While observing entomofauna of some floristic refugia in the Precarpathian region in the Spring 2018, VYS collected a single specimen, which was at first tentatively identified as “*Otites bacescui*” by EPK. Current nomenclatural studies (Kameneva & Korneyev, 2019) showed the latter name to be a junior synonym of *O. ornata*.

### Material and methods

The specimen is deposited in the collection of the I.I. Schmalhausen Institute of Zoology (Kyiv, Ukraine). All the dissections were done and photographs taken by VAK using photo facilities at the Museum für Naturkunde Berlin (MNKB).

***Otites ornata* (Meigen, 1826) (Figs 1–6)***Ortalis ornata* Meigen, 1826: 277.*Otites formosa ruficeps*: Hennig, 1939: 29.*Otites bacescui* Gheorghiu, 1987: 196 (synonymized by Kameneva & Korneyev, 2019: 28).

See also Kameneva, 1997: 132 (redescription); Kameneva &amp; Korneyev, 2019: 28 (nomenclature).

**Material.** Ukraine, Ivano-Frankivsk Region, “3 km of Burshtyn”, Kasova Hora, 49°13'05.59"N, 24°42'57.20"E [49.2182°N, 24.7159°E], 5.05.2018, 1♀ (V. Shparyk) (SIZK).**Remark.** The specimen was collected on an untreated slopes with remainders of steppe vegetation in the Opillya physico-geographical region. Kasova Hora is a natural monument protected in the Halych National Nature Park.

Figs 1–6. *Otites ornata* (Meigen) ♀: 1 — habitus, lateral view; 2 — head, lateral view; 3 — internal female reproductive tract; 4 — vagina, ventral receptacle (?) and proximal parts of spermathecal ducts; 5 — spermathecae; 6 — labels. Scale bar: 2 mm.

**Discussion**

The specimen on hand has completely orange-yellow occiput and narrow grey microtrichose crossbands on abdominal tergites, which are the external key characters, which are used to differentiate *O. ornata* from *O. ruficeps*; however, they are known to be present in the populations of *O. ruficeps* from the western part of the Balkan Peninsula from Croatia to Greece, where specimens differ from *O. ornata* only by the shape of male surstyli and length of female spermathecae (Kameneva, 1997; Kovac et al., 2022).

To avoid misidentification, we dissected abdomen and examined the spermathecae, which are less than  $4.6\times$  ( $3.0\text{--}4.4\times$ ) as long as wide as in other females of *O. ornata* (in *O. ruficeps*, more than  $4.6\times$  ( $4.8\text{--}6.5\times$ ) as long as wide). For better confirmation of the status of the population from Kasova Hora, additional males, which show more significant differences from *O. ruficeps*, are to be collected and studied.

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