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Micomitra stupida – first records from the Czech Republic and Slovakia (Diptera: Bombyliidae)

Micomitra stupida – první nálezy v České republice a na Slovensku (Diptera: Bombyliidae)

Alois ČELECHOVSKÝ

Department of Zoology and Laboratory of Ornithology, Faculty of Science, Palacký University, 17. listopadu 50, CZ-771 46 Olomouc, Czech Republic; e-mail: celechov@prfnw.upol.cz

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Abstract. This paper presents the first records of *Micomitra stupida* (Rossi, 1790) from the Czech Republic in 2015–2018, and from Slovakia in 2016–2018. The characteristics of the genus *Micomitra* Bowden, 1964, and its bionomics and distribution, are briefly described.

INTRODUCTION

Bombyliidae includes about 4500 described species, of which 335 occur in Europe (Greathead 2013). The genus *Micomitra* Bowden, 1964 (Anthracinae: Exoprosopini) is represented by 18 species distributed in the Afrotropical (eight species), Palaearctic (eight species) and Oriental (three species) regions (Evenhuis & Greathead 1999, Zaitzev 1999). Only two species of *Micomitra* have been recorded from Europe, i.e., *Micomitra stupida* (Rossi, 1790) and *Micomitra iris* (Loew, 1869). Adults of the genus *Micomitra* have a projecting face and proboscis. Wings have three submarginal cells, without pattern or colouring. The macrochetae on the body and legs are reduced in number, and those on scutellum are black (white in *Micomitra iris*). The cuticle is shiny and with iridescent or metallic scales.

The checklist of Bombyliidae of the Czech Republic (Čelechovský & Bosák 2009) included 51 species from the Czech Republic and 47 from Slovakia. Recently, several additional species have been found (Čelechovský 2011, 2013, 2016). Currently, 53 species are known to occur in the Czech Republic and 51 species in Slovakia.

MATERIAL AND METHODS

Research on bee flies was carried out in the southern part of the Czech Republic and the south-western part of Slovakia. The material was collected from several localities in the years 2015–2018. Adults were sampled using entomological nets. Specimens were collected on the ground and on flowers, and subsequently pinned, identified and labeled according to the established protocols.

RESULTS AND DISCUSSION

Micomitra stupida (Rossi, 1790) (Fig. 1)

Material examined. Czech Republic: Moravia mer.: Bzenec env., Vojenské cvičiště Bzenec Nature Monument (7069), 48°57′25.2″N, 17°17′30.6″E, 200 m a.s.l., 27.vii.2015, 1 ♀,

J. Bosák leg., 4.viii.2016, 1 ♀, 19.vii.2017, 1 ♂, 2 ♀♀, 17.viii.2017, 1 ♀, A. Čelechovský leg., all A. Čelechovský det. et coll.; Bzenec přívoz env., Váté písky National Nature Monument (7069), 48°55′49.9″N, 17°16′42.0″E, 190 m a.s.l., 19.vii.2017, 4 ♂♂, 6 ♀♀, A. Čelechovský leg., det. et coll.

Slovakia mer. occ.: Záhorie Military District, Lakšárska Nová Ves, Mikulášov env. (7469), 48°32′10.4″N, 17°15′01.5″E, 250 m a.s.l., 10.vii.2016, 1 ♂, 3 ♀♀, 29.vii.2017, 6 ♂♂, 8 ♀♀, 13.viii.2017, 4 ♂♂, 3 ♀♀, 27.viii.2017, 1 ♀, 1.vii.2018, 1 ♂, 2 ♀♀, 31.vii.2018, 2 ♂♂, 12.viii.2018, 1 ♀, A. Čelechovský leg., det. et coll.; Záhorie Protected Landscape Area, Závod env., Borová (7468), 48°33′29.5″N, 16°56′56.5″E, 160 m a.s.l., 12.viii.2018, 1 ♂, 1 ♀, A. Čelechovský leg., det. et coll.

Distribution. Armenia, Austria, Azerbaijan, Egypt, Finland, France, Cyprus, Greece (incl. Corfu, Naxos), Germany, Georgia, Hungary, Iran, Israel, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyzstan, Libya, Macedonia, Poland, Portugal, Romania, Russia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine and Uzbekistan (Evenhuis & Greathead 1999, 2003, Greathead 2013, Zaizev 1999). New genus and species for the Czech Republic and Slovakia.

Biology. Material examined of *Micomitra stupida* was recorded 10.vii.–27.viii. Adults bask on the ground and suck from flowers of *Thymus serpyllum.* The species is a parasitoid of pupae of Myrmeleontidae (Greathead & Evenhuis 1997) and Ábrahám (1998) hatched the species from a cocoon of *Euroleon nostras*.

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Fig. 1. *Micomitra stupida* (Rossi, 1790), Slovakia, Mikulášov, 1.vii.2018, female.
Fig. 1. *Micomitra stupida* (Rossi, 1790), Slovakia, Mikulášov, 1.VII.2018, samice.

SOUHRN

Dlouhososka *Micomitra stupida* (Rossi, 1790) je jedním ze dvou druhů tohoto rodu, jejichž výskyt je uváděn z území Evropy. Je druhem palearktickým, známý nejen z Evropy, ale i Blízkého Východu a severní Afriky. V České republice je jeho výskyt prokázán pouze na dvou lokalitách jižní Moravy, kde byl poprvé zjištěn v roce 2015 u Bzence. V následujících letech jsem zde druh opakovaně potvrdil a zaznamenal i na další lokalitě nedaleko vlakového nádraží Bzenec přívoz. Na Slovensku jsem tuto dlouhososku poprvé nalezl v roce 2016 u Mikulášova ve Vojenském obvodu Záhorie a v roce 2018 i v aluviu řeky Moravy poblíž obce Závod v Chráněné krajinné oblasti Záhorie. Druh vyhledává rozvolněné písčité biotopy s nezapojenou vegetací. Dospělci se sluní na zemi a sají na květech mateřídoušky (*Thymus serpyllum*). Larvy parazitují na kuklách mravkolvů (Myrmeleontidae) (Greathead & Evenhuis 1997, Ábrahám 1998). Druh je nový pro faunu dlouhososek (Diptera: Bombyliidae) České republiky a Slovenska. Nyní je tedy v ČR doložen výskyt 53 a na Slovensku 51 druhů této čeledi.