

***Antiphrisson trifarius* and *Cerdistus graminicola*, two new robberflies  
(Diptera: Asilidae) for the Czech Republic**

***Antiphrisson trifarius* a *Cerdistus graminicola*, dva nové druhy roupců  
(Diptera: Asilidae) pro faunu České republiky**

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**Diptera, Asilidae, new record, faunistics, Czech Republic**

**Abstract.** *Antiphrisson trifarius* (Loew, 1849) and *Cerdistus graminicola* Lehr, 1967 are reported from the Czech Republic for the first time.

INTRODUCTION

The most recent check-list of asilid flies recorded in the Czech Republic and Slovakia was published in 2009 (Bosák 2009). The check-list comprises 85 species of Asilidae for the Czech Republic (Bohemia 65, Moravia 81). The species *Antiphrisson trifarius* (Loew, 1849) and *Cerdistus graminicola* Lehr, 1967 are both listed only for Slovakia. The genus *Antiphrisson* Loew, 1849 is represented in Europe by three species (Geller-Grimm 2019), none of which has previously been reported from the Czech Republic. Among the genus *Cerdistus* Loew, 1849 there are 14 species known from Europe (Geller-Grimm 2019), of which *Cerdistus erythrurus* (Meigen, 1820) has been reported three times in the past from Prague (Vimmer 1915), Chlum u Třeboně (Niedl 1979) and the Ústí nad Labem region (Vysoký 1991). These records were not included in the check-list, but no justification is given for their exclusion. Recent re-examination of the specimens deposited in the National Museum in Prague, South Bohemian Museum in České Budějovice and Municipal Museum in Ústí nad Labem by the author of this paper showed that they were misidentified, and in fact represented species of the genera *Tolmerus* Loew, 1849 and *Neoitamus* Osten-Sacken, 1878. Thus, the genus *Cerdistus* was not previously represented by any species in the Czech Republic. The aim of this paper is to add two new species, *Antiphrisson trifarius* and *Cerdistus graminicola*, to the list for the Czech Republic.

MATERIAL AND METHODS

The specimens discussed below were obtained either by sweeping of vegetation or individually collected during faunistic surveys of selected sites in the Czech Republic. Nomenclature and systematics follows Bosák (2009). Abbreviations used through the text: NM – nature monument, NR – nature reserve.

RESULTS AND DISCUSSION

***Antiphrisson trifarius* (Loew, 1849)**

(Figs 1, 2)

**Material examined.** Czech Republic, Moravia mer., Hodonín, Pánov NM (7168), 3.v.2018, 1 ♀, 19.v.2018, 1 ♀, 30.v.2018, 1 ♂, all P. Marhoul leg., det. et coll.

**Collecting circumstances.** The specimens were caught while resting on the ground on the sparsely vegetated margins of sandy paths in a former military training range.

**Distribution.** The species has a Mediterranean distribution and is widely distributed in southern Europe, northern Africa, Near East and Central Asia (Lehr 1988). In neighbouring countries, it occurs in Slovakia (Straka 1984), old records are known from Germany (Wolff et al. 2018) and it was recently reported from Austria (Schlüsslmayr 2018). **New species for the Czech Republic.**

*Cerdistus graminicola* Lehr, 1967

(Figs 3, 4)

**Material examined.** Czech Republic, Bohemia centr., Praha, Prokopské údolí NR, Děvín (5952), 13.vii.2017, 4 ♂♂, 4 ♀♀, P. Marhoul leg., det. et 3 ♂♂, 3 ♀♀ coll., 1 ♂, 1 ♀, M. Hradský revid. et coll.

**Collecting circumstances.** The specimens were swept on open *Stipa* steppe grasslands.

**Distribution.** The species was described by Lehr (1967) based on material mainly originating from Kazakhstan, but the author also saw Hradský's specimens from Slovakia. These Slovakian records (Kamenica nad Hronom, Somotor, Štúrovo) were formally reported thirty years later (Bosák & Hradský 1997) as a new species for Slovakia. Lehr (1995) synonymized *Neomochterus albicans oblitus* Tsacas, 1968 with *Cerdistus graminicola*, although the catalogue of Palearctic Diptera (Lehr 1988) includes both taxa as valid species. The known distribution of *C. graminicola* combined with *N. a. oblitus* includes Kazakhstan, the southern part of European Russia, Hungary and Slovakia (Lehr 1988). **New species for the Czech Republic.**

ACKNOWLEDGEMENTS. I am grateful to Zdeněk Kletečka (South Bohemian Museum in České Budějovice), Jiří Spružina (Municipal Museum in Ústí nad Labem) and Michal Tkoč (National Museum in Prague) for help with revising the '*Cerdistus erythrurus*' specimens in the collections under their care. I am indebted to Mr. Milan Hradský (Mlékovice, Zásmyky, Czech Republic) for help with identification of *C. graminicola* and to Jan Růžička (Prague, Czech Republic) for help with photodocumentation of this species. I would like to thank Jaroslav Bosák and Jindřich Roháček for valuable comments on the manuscript. *Cerdistus graminicola* was reported within the framework of a project supported by a grant from the Administration of Prague no. DOT/54/12/011989/2017. *Antiphripon trifarius* was reported within the framework of the project Military LIFE for Nature (LIFE15 NAT/CZ/001028).

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## SOUHRN

Faunistickým průzkumem vybraných lokalit byly zjištěny dva druhy roupců (Diptera: Asilidae) nové pro faunu České republiky. *Antiphrisson trifarius* (Loew, 1849) byl nalezen v přírodní památce Pánov u Hodonína, kde imaga sedají na spoře porostlých okrajích písčitých cest. *Cerdistus graminicola* Lehr, 1967 byl zjištěn na kavylové stepi v PR Prokopské údolí (Praha).



Fig. 1. *Antiphrisson trifarius* (Loew, 1849), female in dorsolateral view.  
Obr. 1. *Antiphrisson trifarius* (Loew, 1849), samice v dorzolaterálním pohledu.



Fig. 2. Habitat of *Antiphrisson trifarius* (Loew, 1849) at Pánov NM.  
Obr. 2. Biotop druhu *Antiphrisson trifarius* (Loew, 1849) v PP Pánov.





Fig. 3. *Cerdistus graminicola* Lehr, 1967, male in lateral view.  
Obr. 3. *Cerdistus graminicola* Lehr, 1967, samec v laterálním pohledu.



Fig. 4. Habitat of *Cerdistus graminicola* Lehr, 1967 at Prokopské údolí NR.  
Obr. 4. Biotop druhu *Cerdistus graminicola* Lehr, 1967 v PR Prokopské údolí.

