

First record of *Anomalochaeta guttipennis* (Zetterstedt, 1838) from Norway (Diptera, Opomyzidae)

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In 2010 four females of the opomyzid fly *Anomalochaeta guttipennis* (Zetterstedt, 1838) were collected in a Malaise trap near Gargia in Finnmark, northern Norway. This is the first record of the species from Norway.

Key words: Opomyzidae, *Anomalochaeta guttipennis*, distribution, Finnmark, Norway

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Introduction

The Opomyzidae is a small family of Brachycera (Diptera) with about 50 known species globally (Oosterbroek 2006). The family can be recognized by the presence of only one pair of F-bristles on the head and by the usually cloudy wings which often have a small cell present where wing vein R_1 joins the Costa. The known larvae are living in the stems of grasses. A few species, notably *Opomyza florum* (Fabricius, 1794) and *Geomyza tripunctata* Fallén, 1823, are agricultural pests on cereals (Brunel 1998).

Three genera of Opomyzidae occur in Europe, namely *Anomalochaeta* Frey, 1910, *Opomyza* Fallén, 1820 and *Geomyza* Fallén, 1810 (Brunel 1998). The distribution and occurrence of the Norwegian *Opomyza* species has been studied by Greve (1981). Several species of *Geomyza* are also known to occur in Norway, but no survey of these species has yet been published (see Greve et al. 1999).

Four females of *Anomalochaeta guttipennis* (Zetterstedt, 1838) were collected during the project "Insects inhabiting freshwater and humid habitats in Finnmark, northern Norway",

representing the first record of the species and of the genus from Norway. The locality is described in Ekrem *et al.* (2012). The specimens are deposited in the entomological collections at the University Museum of Bergen (ZMBN) and the Natural History Museum in Oslo (NHMO).

The species

Anomalochaeta guttipennis (Zetterstedt, 1838)

Material. FV, Alta: Storeng, 69.82277°N 23.47884°E, 11–26 June 2010, 1♀, coll. ZMBN; 26 June–10 July 2010, 2♀♀, coll. NHMO; 24–30 August 2010, 1♀, coll. ZMBN, Malaise trap.

Remarks. *Anomalochaeta guttipennis* is a circumpolar species previously known from Sweden, Finland, Russia, Canada and Alaska (Vockeroth 1961, van Zuijlen 2012). It is the only described species in the genus *Anomalochaeta* and can be separated from other Opomyzidae on details on the head and wings, having diverging P-bristles present and dark wing membrane with about ten hyaline spots (Vockeroth 1961, Figure 1). The immature stages and biology are unknown.



FIGURE 1. *Anomalochaeta guttipennis* (Zetterstedt, 1838). Wing.

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