

Notes on some Empidoidea (Diptera, Brachycera) new to the Norwegian fauna

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Jonassen, T. 2009. Notes on some Empidoidea (Diptera, Brachycera) new to the Norwegian fauna. *Norw. J. Entomol.* 56, 20–23.

Thirteen species of Empidoidea (viz. Hybotidae, Empididae and Dolichopodidae) are reported from Norway for the first time.

Keywords: Diptera, Empidoidea, Hybotidae, Empididae, Dolichopodidae, new records, Norway.

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Introduction

In the course of preparations for the 2010 Norwegian Red List, the author has been able to positively confirm the occurrence of 538 species of Empidoidea (viz. Empididae (183), Atelestidae (1), Hybotidae (147) and Dolichopodidae (207)) in Norway. In this survey, the author has adopted the view of Sinclair & Cumming (2006), in that the former family Microphoridae should be included as a subfamily (Microphorinae) within the Dolichopodidae.

In addition to these confirmed species, there are further 8 Empididae reported from Norway in older literature. They are *Chelifera frigelli* (Zetterstedt, [1838]), *C. monostigma* (Meigen, 1822), *Hilara tarsata* Siebke, 1864, *Rhamphomyia alpina* (Zetterstedt, [1838]), *R. barbata* (Macquart 1823), all reported by Siebke (1877); *Chelifera stigmatica* (Schiner, 1862) mentioned by Frey (1914), *Rhamphomyia tibialis* Meigen, 1822, reported by Ringdahl (1954), while Engel (1940) mentions one further Empididae as Norwegian in Die Fliegen der palaearktischen Region, namely *Wiedemannia fallaciosa* (Loew, 1873) which may, in fact refer to *W. simplex* (Loew, 1862).

There are also 11 additional Norwegian Dolichopodidae which have been referred to in past literature, namely *Dolichopus campestris* Meigen, 1824, *D. mannerheimi* Zetterstedt, 1838, *D. nigripes* Fallén, 1823, *D. zetterstedti* Stenhammar, 1852, *Medetera plumbella* Meigen, 1824, *Neurigona erichsoni* (Zetterstedt, 1843), *Rhaphium confine* Zetterstedt, 1843, *R. fascipes* (Meigen, 1824), all reported by Siebke (1877); *Lamprochomus bifasciatus* Macquart, 1827 is mentioned from Norway by Zetterstedt (1843), *Rhaphium laticorne* (Fallén, 1823) is reported by both Siebke (1877) and Ringdahl (1954) while *Peodes forcipatus* Loew, 1857 is, probably erroneously, listed from Norway in the Catalogue of Palaearctic Diptera (Negrobov 1991). While at least some of these additional 20 species mentioned here are highly probable to occur in the Norwegian fauna, none of their records have been revised, and should therefore be included in the Norwegian list only with the utmost care.

The Norwegian Empidoidea also include at least four species that await description or where their identities have not as yet been properly resolved, including one species of *Drapetis* (Hybotidae) and three species of *Medetera* (Dolichopodidae). All included, we are therefore getting close to the