

New Records of Bibionidae (Diptera) from Turkey

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ABSTRACT

Bibio hortulanus (L., 1758) and *Dilophus bispinosus* Lundstr m, 1913, are recorded for the first time from Turkey. We also include a record of the latter species from Bulgaria.

Key words: Bibionidae, Turkey, new record.

INTRODUCTION

Bibionid flies (Diptera, Bibionidae) are frequently abundant inhabitants of Palearctic grasslands (Skartveit, 1997), but the majority of the species prefer humid conditions and both species diversity and abundance are lower in the dry climate of the eastern Mediterranean. For instance, Skartveit & Kaplan (1996) found just six species from an extensive sampling in Israel, while most European countries tend to have 15-25 species recorded (Skartveit, 2004). Bibionid larvae, which feed on mainly decaying plant material in the litter layer, are believed to be highly susceptible to desiccation, and in dry climates they may be limited to humid habitats, e.g. areas under artificial irrigation. Despite this some species may be found even in quite dry areas (Haenni, 1985). As far as we can see, the present note is the first record of this family from Turkey.

MATERIAL AND METHODS

In this study, specimens were collected from the provinces of Afyonkarahisar, Aydı, Burdur and Isparta, all in South-West Anatolia, between 2004 and 2006. This region includes many lakes, wetland areas (Burdur Lake, Salda Lake, Yarıřlı