

Lycoriella postconspicua Mohrig, 1985 (Sciaridae, Diptera) new to Svalbard and records of some other Diptera from Svalbard

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During the summer of 1968, twelve species of Diptera were sampled along the western coast of Spitsbergen, including Prins Karls Forland. *Lycoriella postconspicua* Mohrig, 1985 (Sciaridae) is a new record from Svalbard and northern Europe. Until now it was only known from the Austrian Alps in altitudes above 2000 m. *Parapiophila vulgaris* (Fallén, 1820) (Piophilidae) was published as new to Svalbard by Lohm (1978), but the present records were made ten years earlier.

Key-words: Diptera, Svalbard, Spitsbergen, *Lycoriella postconspicua*, Sciaridae

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INTRODUCTION

Svalbard has a rather rich Diptera fauna, comprising of many families as reviewed by Coulson & Refseth (2004). However, this fauna is poorly known. In connection with an expedition arranged by the Norwegian Polar Institute in 1968, the first author sampled invertebrates at a number of localities along the western coast of Spitsbergen. Except for the Chironomidae, this paper presents the Diptera species recorded. The Sciaridae were recently identified by Kai Heller.

MATERIAL AND METHODS

The material was sampled during a six week period using various methods including hand catching, turning of stones, sampling in flowers

and pitfall trapping. Table 1 lists the localities and provides information concerning dates, methods and habitats. Among 63 Sciaridae specimens collected, 26 were identified to species, the rest consisting of unidentifiable females.

RESULTS AND DISCUSSION

Table 2 shows sample numbers and selected references for each species. The sample numbers in Table 1 give further information. *Lycoriella postconspicua* is new to Svalbard and northern Europe. One male was found in a pitfall trap from a dry habitat at Isfjord Radio (sample 6). Six males and seven females were collected in pitfall traps at Ny-Ålesund (sample 52). Until now *L. postconspicua* was only known from four locations in the Austrian Alps at altitudes above