

***Limnephilus externus* HAGEN (Trichoptera: Limnephilidae) in Poland**

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ABSTRACT. *Limnephilus externus* (Trichoptera: Limnephilidae) is reported from the Masurian Lakeland. Larvae of this boreal caddis-fly live in bog habitats. This is the first record of the species in Poland.

KEY WORDS: *Limnephilus externus*, caddis-fly, new record, Poland.

In the most recent checklist of Polish animals SZCZĘSNY (1991) mentioned almost 260 species of caddis-flies. Since the publication of the checklist, further three species have been found in Poland: *Apatania muliebris* (RIEDEL & MAJECKI 1994), *Oxyethira distinctella*, and *Hydroptila dampfi* (CZACHOROWSKI 1995).

The present paper concerns the next caddis-fly new to the Polish fauna - *Limnephilus externus* HAGEN, 1859. Two females of this species were caught in a light-trap in the village of Wyskok (UTM: EF31) at the Oświn Lake, on August 25-26, 1994. The locality is in the territory of the Sępopol Lowland, which merges into the Old-Prussia Lowland, but the immediate vicinity of the Lake Oświn is considered to be part of the Masurian Lakeland (SZADZIEWSKI, personal comm.). Extensive wetlands and bogs surround the lake.

Larvae and adults of *L. externus* were found in/at the lakes of the Zehlau Peatbog (Russia, Kaliningrad District, the Old-Prussia Lowland), about 50 kilometres northwest of Wyskok (CZACHOROWSKI 1996). *L. externus* is a boreal species which inhabits lakes and bogs in Fennoscandia, the Baltic Province and the Central European Lowlands (NYBOM 1960, SPURIS 1967, BOTOSANEANU & MALICKY 1978, ANDERSEN & WIBERG-LARSEN 1987). *L. externus* was recorded from northern Germany, but the species has not been collected there since 1970 (KLIMA et al. 1994). In Latvia, adults were found near dystrophic lakes with boggy banks, and more rarely near eutrophic lakes (SPURIS 1967).

L. externus can be considered as a very rare boreal species associated with bog waters. In Poland the species occurs probably only in the northern part of the Masurian Lakeland, which seems to be its southern border of the distribution (Fig.). The lack of further records since 1970 from northern Germany may suggest that this species is disappearing from Central Europe, which probably is a result of the draining and disturbing of bogs there.

Acknowledgments

I would like to thank to Professor Ryszard Szadziwski of the University of Gdańsk for providing me with caddis-fly adults collected in the vicinity of the Lake Oświn, and Michael O'Shea for the correction of the English text.



Fig. Distribution of *Limnephilus externus* in Europe. ■ - new localities. ▲ ○ ● - other localities: (○ - BOTOSANEANU & MALICKY 1978, ● - ANDERSEN & WIBERG-LARSEN 1987).

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