

On the type of the genus *Hydroptila* Dalman (Trichoptera).

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The genus *Hydroptila* was established by Dalman in 1819 with the species *tineoides* as *typus generis*. It is true that the description of the species is rather exhaustive, but since nothing is mentioned about the genital appendages and since the type species is lost, it is now impossible to decide with full certainty which species is meant. It is, however, necessary to fix the name to a definite species because *H. tineoides* is the type of the genus. Fortunately Dalman gives an exact statement of the type locality (p. 126): "Habitat in monte Kinnekulle ad littora lacus Wenneri." Therefore it is possible to choose a topotype.

From Kinnekulle I know only two species of the family *Hydroptilidae* with certainty, *Agraylea cognatella* McLachl. and *Hydroptila femoralis* (Eat.). The former cannot be taken into consideration in this connection, but to the latter the description well applies. Already McLachlan (1874-1880) has been aware of that, even though with some doubtfulness. He ranges *H. tineoides* with a question mark as a synonym of both *H. sparsa* Curt. and *H. femoralis* (Eat.) and writes (p. 513, under *femoralis*): "It is possible that this, and not *H. sparsa*, was really Dalman's *tineoides*, from the words 'femoribus anticis infuscatis'. I have not yet seen *H. sparsa* from Scandinavia." Wallengren (1891, p. 110) considers *H. tineoides* as a species with *H. femoralis* as a synonym.

H. sparsa now is found in Sweden in a locality only 25 km from Kinnekulle: Ullervad at the river Tidan 4/6 1947 (P. Brinck leg.). In view of the fact that only *H. femoralis* is found at Kinnekulle one must, however, conclude that it is this species which represents *H. tineoides* and that Wallengren's interpretation is therefore correct. Then the synonymy will be as follows:

Hydroptila tineoides Dalman 1819.

Syn. *Phrixocoma femoralis* Eaton 1873.

Hydroptila femoralis auctt.

The topotype is captured by Prof. Boheman and kept in Riksmuseum, Stockholm.

H. tineoides is widely distributed in Sweden and might be rather common, even if it is not yet known from many localities. This may

possibly be due to the fact that the small hydroptilids are usually neglected by entomologists. The species has hitherto been found in the provinces of Skåne, Småland, Östergötland, Västergötland, Dalsland, Närke, Södermanland or Uppland (environments of Stockholm), Dalarna, Västerbotten, and Norrbotten. It occurs at stony shores of lakes and rivers and also brooks, and flies chiefly in the time from the middle of June to the middle of July (11/6-18/7); one finding was made 27/5 at lake Ringsjön in Skåne (P. Brinck leg.) and one 11/8 at lake Hjälmaren in Närke (A. Jansson leg.).

References.

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