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## Nowy dla Polski gatunek *Dinobryon suecicum* Lemm

### The species *Dinobryon suecicum* Lemm., new for Poland

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Abstract — The first locality in Poland for the species *Dinobryon suecicum* Lemm., found in 1967 in the dam reservoir of Porąbka and in the River Soła beneath the reservoir, is discussed.

During investigations carried out in September 1967 on the plankton and periphyton of the River Soła and its dam reservoirs, interesting algae species were found. They consisted mostly of chrysophytes and euglenines of the genera *Kephyrion*, *Dinobryon*, and *Trachelomonas*. The species *Dinobryon suecicum* Lemm., already mentioned in the list of species of a previous work, was found among them (Krzeczowska-Wołoszyn, Bucka 1969).

In diagnoses of this species, noted in the keys to which the authors had access (Pascher 1913, Huber-Pestalozzi 1941, Matvienko 1954, 1965, Bourrelly 1963, Starmach 1968), similarly as in those quoted by Lemmermann (1910), the following dimensions were given: 19—22  $\mu$  length, 4—5  $\mu$  breadth. Skuja (1948) takes into consideration a greater span of dimensions (17—25  $\mu$  length, 4—6  $\mu$  breadth) and Schroevers (1965) notes a length of 20—23  $\mu$ , and a breadth of 5—5,5  $\mu$ .

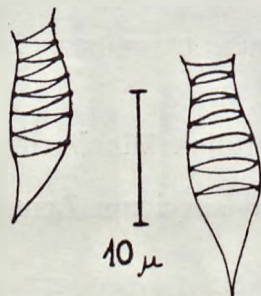
The authors mentioned above also took into consideration the variety of this species (var. *longispinum* Lemm.) characterized by a long basal spine (up to 21  $\mu$ ).

However, Fott and Ettl (1959) do not consider the specimens they found as a separate variety. They are of the opinion that the great variability in length of the spines is not a sufficient basis for distinguishing a variety.

As to the specimens found by the present authors, they were 16,5—18,5  $\mu$  long, 5,5—6  $\mu$  broad, and had 6—7 distinct spirals (fig. 1).

Two cells of this species were found on September 6th, 1967 in the plankton of the River Soła, at a distance of a few hundred metres below the Porąbka dam (Żywiec district, Kraków province) (K r z e c z k o w s k a - W o ł o s z y n, B u c k a 1969).

In different material, collected in the Porąbka reservoir on September 7th, 1967, one specimen was found (B u c k a, material not yet published).



Ryc. 1.  
Fig. 1. *Dinobryon suecicum*

As far as the authors know, this species was not hitherto been mentioned from Poland; it is therefore its first locality.

As results from data in literature it always appears as single specimens among aquatic vegetation and in the plankton of rivers, old river beds, dam reservoirs, and lakes.

It is mentioned by Skuja (1948) and Willén (1963) from Sweden, Fott and Ettl from Czechoslovakia, and Schroevers (1965) from Holland.

It is interesting that this last author mentions it from swampy terrain (peat hollows), and thus from a different type of environment.

#### STRESZCZENIE

W roku 1967 znaleziono trzy egzemplarze gatunku *Dinobryon suecicum* Lemm., w planktonie zbiornika zaporowego w Porąbce oraz rzeki Soły poniżej zapory.

Wymiary: 16, 5—18,5  $\mu$  dł., 5,5—6  $\mu$  szer., 6—7 spirali (ryc. 1).

Gatunek ten nie był dotychczas podawany z Polski. Znany ze Szwecji (Skuja 1948, Willén 1963), z Czechosłowacji (Fott i Ettl 1959) oraz z Holandii (Schroevers 1965).

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