

TERESA MROZIŃSKA-WEBB

*Spirogyra papulata* Jao ze stawu Mokrego na Babiej Górze

*Spirogyra papulata* Jao from the pond Mokry  
on Mt Babia Góra

Mémoire présenté le 7 janvier 1968 dans la séance de la Commission Biologique de l'Académie Polonaise des Sciences, Cracovie

Abstract — The species *Spirogyra papulata* Jao (1935) described from Szechwan, China, was found in the pond Mokry situated on the northern slope of Mt. Babia Góra at 1025 m, in June 1964. This is the first record of this species from Poland.

The species *Spirogyra papulata* Jao (1935) known from Szechwan, China, was found in the pond Mokry situated on the northern slope of Mt. Babia Góra at 1025 m, in June 1964. At that time the species occurred abundantly covering almost the whole surface of the pond (about 450 m<sup>2</sup>) with thick mats. Among non conjugating filaments there were found conjugating filaments. It was one species concentration.

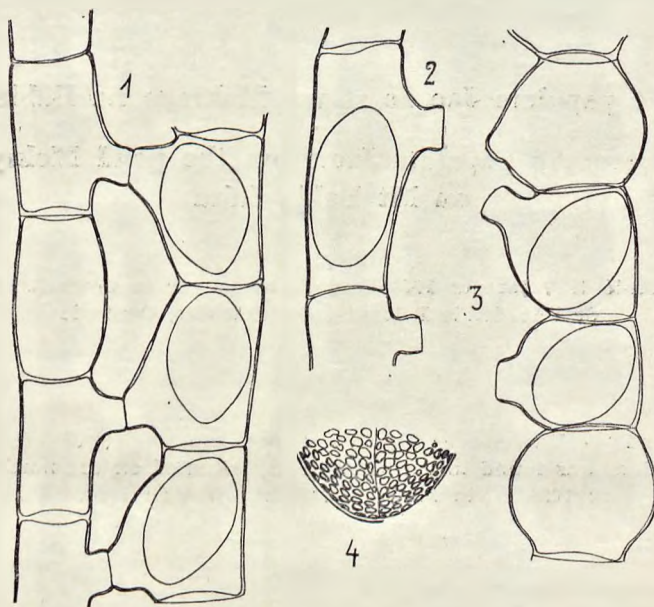
Dimensions of specimens (figs 1—4) found: vegetative cells 29—31  $\mu$  wide, 55—70  $\mu$  long; zygospores 29—31 (—33)  $\mu$  wide, 46—63  $\mu$  long; vegetative cells occurring among conjugating cells up to 60  $\mu$  wide. These strongly inflated vegetative cells were giving a characteristic shape to the filament. Conjugating cells are usually short, widened on the side of the tube. Zygospores are usually ellipsoid, very rarely subglobose. Median spore wall yellow irregularly reticulate.

These specimens slightly differ in dimension from specimens described from China, i.e. some zygospores are slightly longer (in Jao 1935 zygospores are 35—55  $\mu$  long). This is the first record of this species in Poland.

## STRESZCZENIE

W czerwcu 1964 znaleziono w stawie Mokrym, znajdującym się na północnym stoku Babiej Góry na wysokości 1025 m n.p.m., gatunek *Spirogyra papulata* Jao (1935), opisany z terenu Chin (prow. Szechwan). W tym okresie gatunek ten (fig. 1—4) wystąpił masowo, pokrywając gęstymi watami prawie całą powierzchnię stawu (pow. stawu  $\pm 450$  m<sup>2</sup>). Wśród nitek niekoniugujących znajdowano również nitki koniujujące. Było to skupienie jednogatunkowe.

Jest to pierwsze stanowisko tego gatunku w Polsce.



Figs. 1—4. *Spirogyra papulata* Jao. 1—3 — Fragments of conjugating filaments;  
4 — Fragment of zygospore

## REFERENCE

- Jao C.C. 1935. Studies on the freshwater algae of China. I. *Zygnemataceae* from Szechwan. *Sinensia*, 6, 5, 551—645.

Adres autorki — Author's address

dr Teresa Mrozińska-Webb

Instytut Botaniki, Polska Akademia Nauk, Kraków, ul. Lubicz 46