

Genus *Strömia* gen. nov. — A new colourless
Flagellata from Subtropics of Brasil, South America

by

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SKVORTZOV, B. V. • 野田光蔵：新属 *Strömia*-南米ブラジル
亜熱帯産の無色鞭毛藻の新種

In the present note the authors propose to name genus of flagellata in memory of Prof. Dr. Kaare Ström, Oslo, Norway, died in 1967. The senior author during many years was communicated with Prof. Ström in exchanging informations and literatures. Genus *Strömia* was found in 1967 and described in 1968 among 22 new genera of flagellates in description of a new class - Refractogranulaceae class. nov., Pyrrophyta recorded from South America, South Africa and Singapore proposed for publication.

Here is given a short description (and illustrations) of this new proposed genus. The type specimens are preserved at the Cryptogamic Section of Botanical Institute, São Paulo, Brasil.

Genus *Strömia* gen. nov.

Fam. Strömiadaceae fam. nov., Order Strömiaceales ord. nov., Subclass Ecolorataceae subclass. nov., Class Refractogranulaceae class. nov., Subtype Chloromonophyceae subtype nov., Pyrrophyta.

Cell free swimming, metabolic with numerous refractile graules under the periplast; flagella 2, not equal, one swimming, another trailing; cytoproct hole in posterior part of the cell distinct; nutrition holozoic (frustules of Bacillariophyta, cells of Euglenophyta); vacuole-pusula in anterior part distinct or indistinct; nucleus almost central; reproduction by cell division.

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Species 3. Type of genus *Strömia subsphaerica* gen. et sp. nov.

The key of Species

1. Cells obovate, broad in anterior part and acute in posterior with cytoproct, $55-70 \times 15-20$ micr.; feeding by frustules of *Pinnularia* sp., Bacillariophyta. Hab. in mountain swamps near São Paulo, Brasil, col. by B. Skvortzov, 18, 2. 1966. 1. *S. brasiliana* sp. nov.
2. Cells obovate or almost spherical, $37-48 \times 20-30$ micr.; pusula large and spherical; flagella not equal; cell feeds by cells of *Phacus* sp., *Euglena* sp. (Euglenophyta). Hab. in littoral part of a mountain lake near São Paulo, Brasil, col. B. Skvortzov, 9, 11. 1964. 2. *S. subsphaerica* sp. nov.
3. Cells oblong, undulated in lateral part, 5×18 micr., pusula absent; cell feeds by cells of *Phacus* sp. (Euglenophyta). Hab. in stagnant water in the forest of Belliing near São Paulo, Brasil, col. B. Skvortzov, 30, 6. 1966. 3. *S. undulata* sp. nov.

Reference

SKVORTZOV, B. and NODA, M. (1968). : On new flagellata and flegellata like organisms Class Refractogranulaceae class. nov., Pyrrophyta, recorded from Brasil, South America and partly from South Africa and Singapore. (Manuscript)

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著者の一人 B. SKVORTZOV と親交のあった Norway の Oslo 大学淡水生物学教室の主任教授 Kaare STRÖM 博士が、1967年2月28日死去した旨通知があったので、過般図3葉と共にラテン記載文を添え、Oslo 大学へ追悼論文を送った。その論文の内容とする新属 *Strömia* の記載と、それに含まれる南米ブラジル産の新種 *S. brasiliana* sp. nov., *S. subsphaerica* sp. nov., *S. undulata* sp. nov. を紹介する。