

SHORT COMMUNICATIONS

NEW RECORDS OF TWO FRESH-WATER CILIATES
(PROTOZOA : CILIATA : HYPOTRICHIDA)
FROM INDIA

Study of the Protozoa collection made during 1972-74, reveals the existence of the two species of ciliates hitherto unrecorded from Indian sub-continent. These are being described in this short communication. The material was fixed in schaudinn's fluid, stained in Heidenhain-iron-haematoxylin, stained in eosin and mounted in D.P.X. medium.

SYSTEMATIC ACCOUNT

Family OXYTRICHIDAE

1. *Oxytricha bifaria* Stokes 1888.

1888. *Oxytrichs bifaria* Stokes, *J. Trenton nat. Hist. Soc.* 1 : 71.

Material :- 1 ex (1 slide). Patta, Solan, H.P. 17. vii. 1972, Reg. No. Pt 63.

Remarks :- Body ellipsoid, Flexible : Right side convex, left side flattened, posterior end pointed, strong cilia or cirri-B frontals : 5 ventral, 4 anals : short caudals. Macronucleus in 2 parts. Body 240/μm long, 85 μm width.

Family EUPLOTIDAE

2. *Euplotes carinatus* Stokes, 1888

1888. *Euplotes carinatus* Stokes, *J. Trenton nat. Hist. Soc.* 1 : 71.

Material : 1 ex (1 slide). Solan H.P. 25. vi. 1974 Reg. No. Pt. 82.

Remarks : Body avoid, inflexible, ventral surface convex : longitudinal ridged; Peristome broadly triangular frontal part of adoral zone lies in flat furrows, cirri-9 frontal-ventral, 5 anals, 4 caudals, Macronucleus band like, a micronucleus. Contractile vacuole posterior. Body measuring 65 X 46/μm.

REFERENCE

Stokes, A. C. 1888. A preliminary contribution toward A history of the freshwater infusoria of the United States. *J. Trenton. nat Hist. Soc.* 1, P. 71.