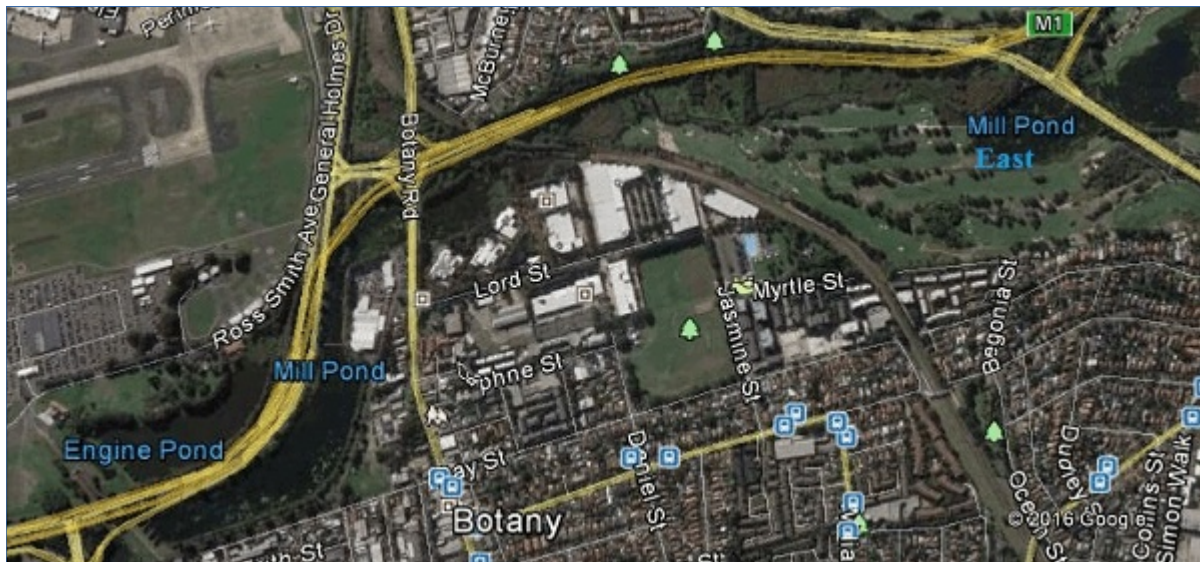


PROTOZOA BIO-DIVERSITY FROM A LARGE SUBURBAN POND IN SYDNEY, AUSTRALIA.

The Mill Pond, Mill Pond East and Engine Pond are three interconnected small lakes in Sydney's largely industrial suburb of Botany. It is neighboured by Sydney International Airport, Botany Bay and reasonably close to Bondi, Coogee and Maroubra beaches, Randwick Racecourse and the Sydney Cricket Ground.



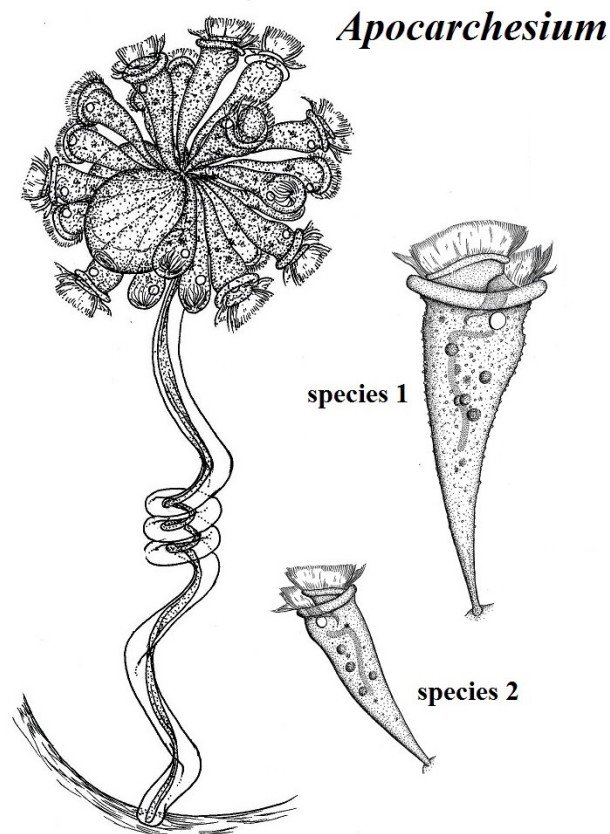
The inflow is largely from suburban storm water and runoff from the Eastlakes Golf Course.





From time to time, over a number of years, I have monitored these small lakes and have been surprised and delighted by their amazing bio-diversity. I have recorded more than 200 genera of protists and drawn more than 100 of them, including a few whose identity still remains a mystery. Included in this number is *Apocarchesium*, which I found and drew in 2002. It was finally described and named in the *Eur J Protistol.* 2009 by Ji and Kusuoka who had found it in Japan in 2008.

Included in this article are drawings of but a few of the many protozoa I have recorded and drawn from these small lakes.

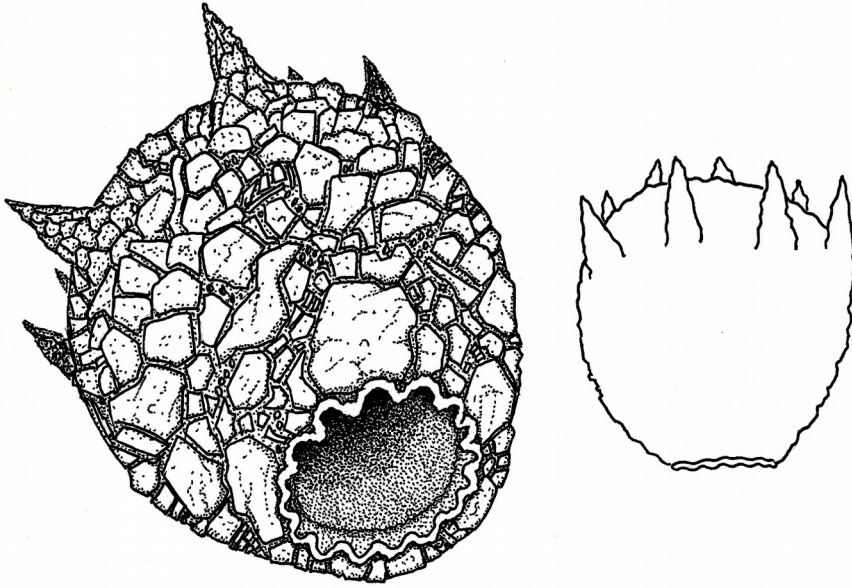


Two different species were recorded.

**1.Length: 150 um. Width: 40 um. Peristome: 60 um.
No macrozooid recorded.**

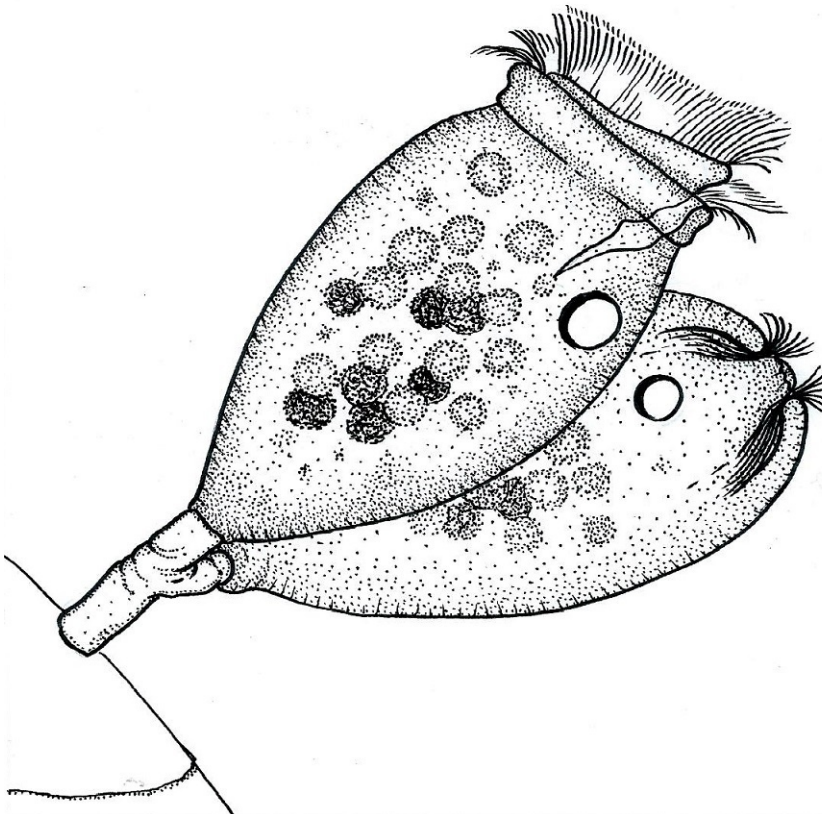
**2.Length: 88 um. Width: 23 um. Peristome: 30 um.
Macrozooid diameter: 75 um**

Diffugia corona

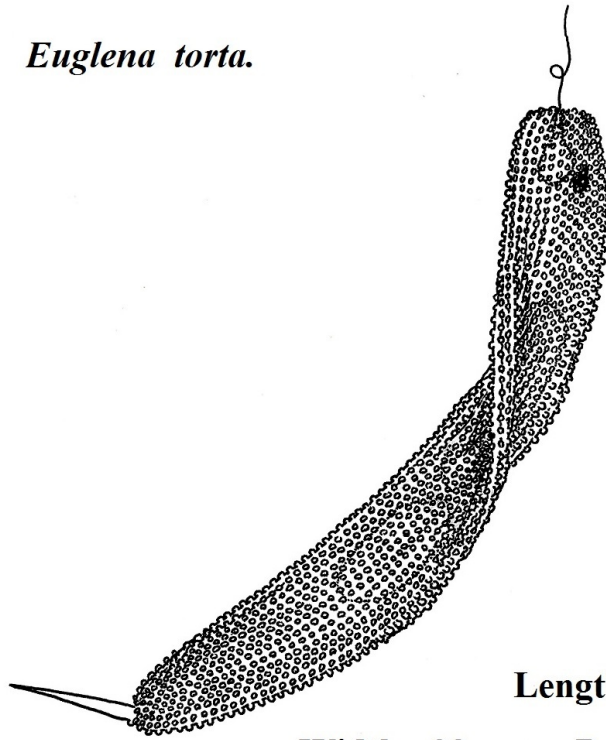


Diameter: 180 μ m. Aperture: 80 μ m.
8 aboral spines, 16 denticular teeth/lobes.

Epistylis pygmaeum.



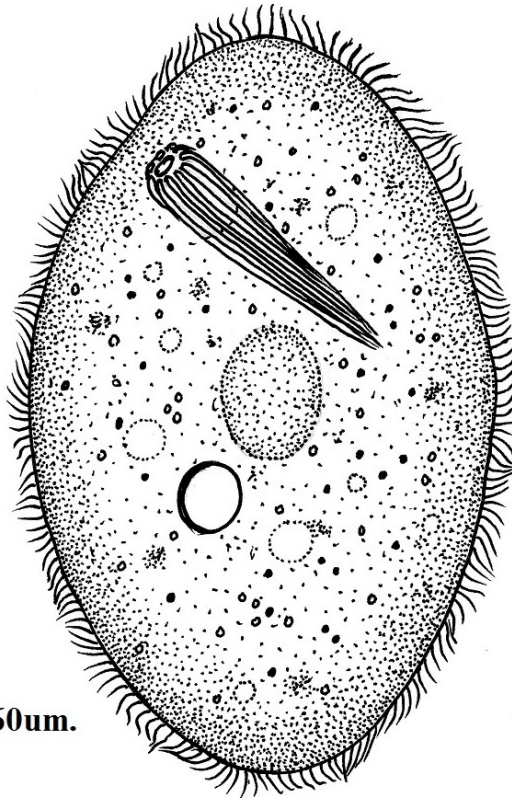
Euglena torta.



Length: 150 um.

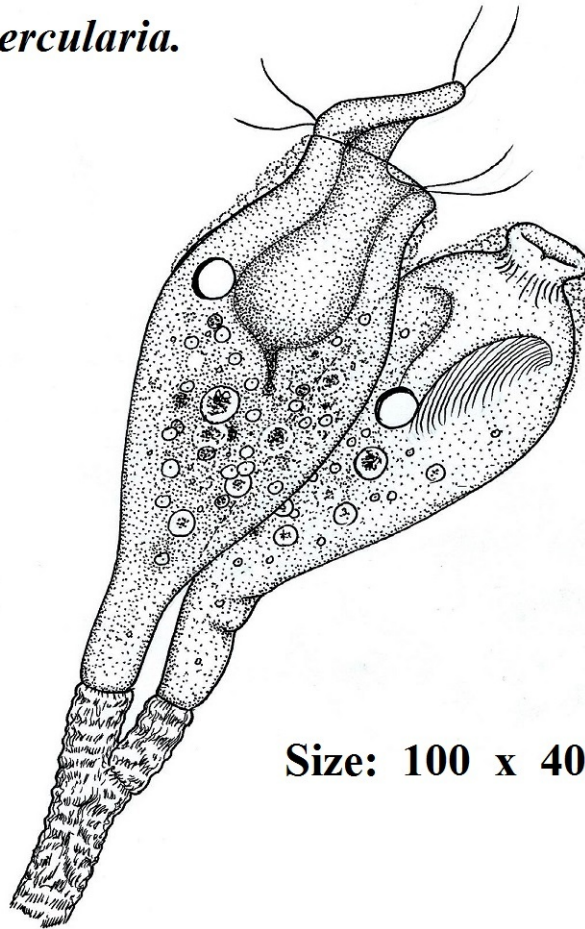
Width: 23 um. Depth: 5 um.

Naxella



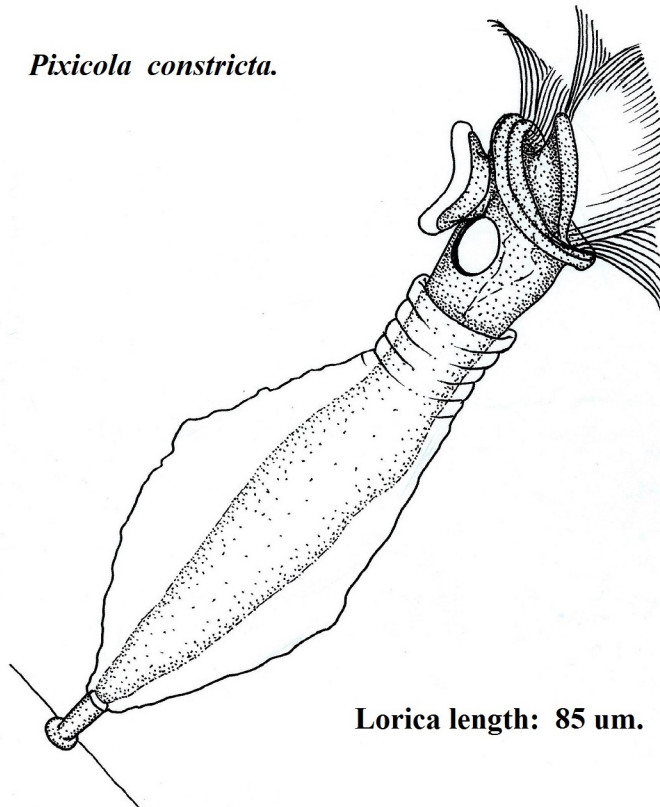
Length: 60um.

Opercularia.



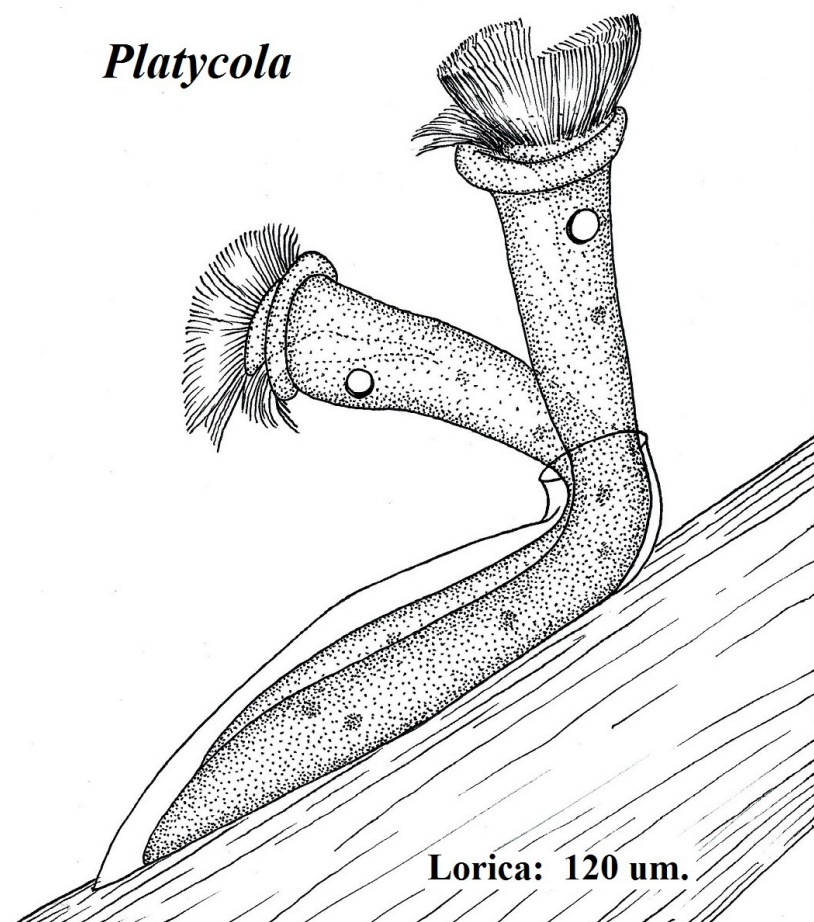
Size: 100 x 40 um.

Pixicola constricta.



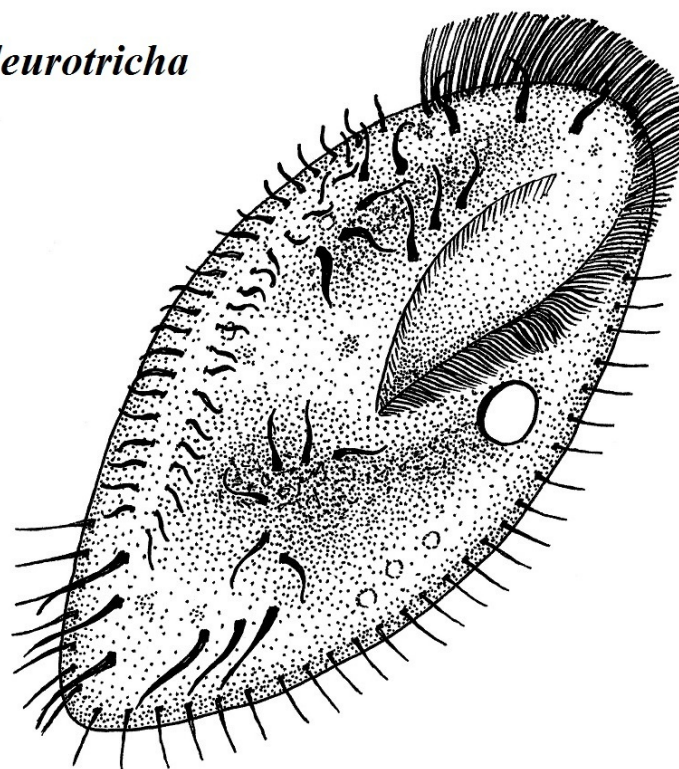
Lorica length: 85 um.

Platycola



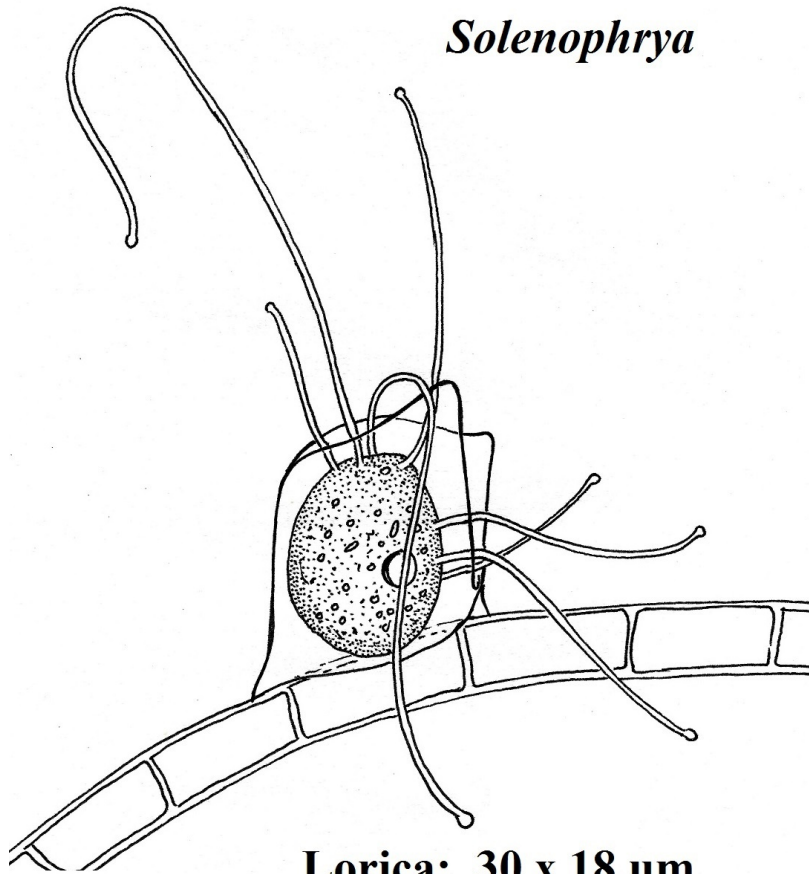
Lorica: 120 um.

Pleurotricha



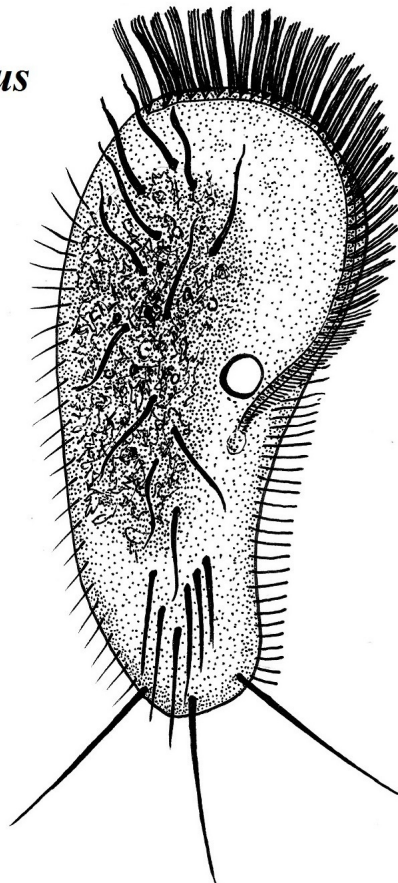
Length: 175 um.

Solenophrya



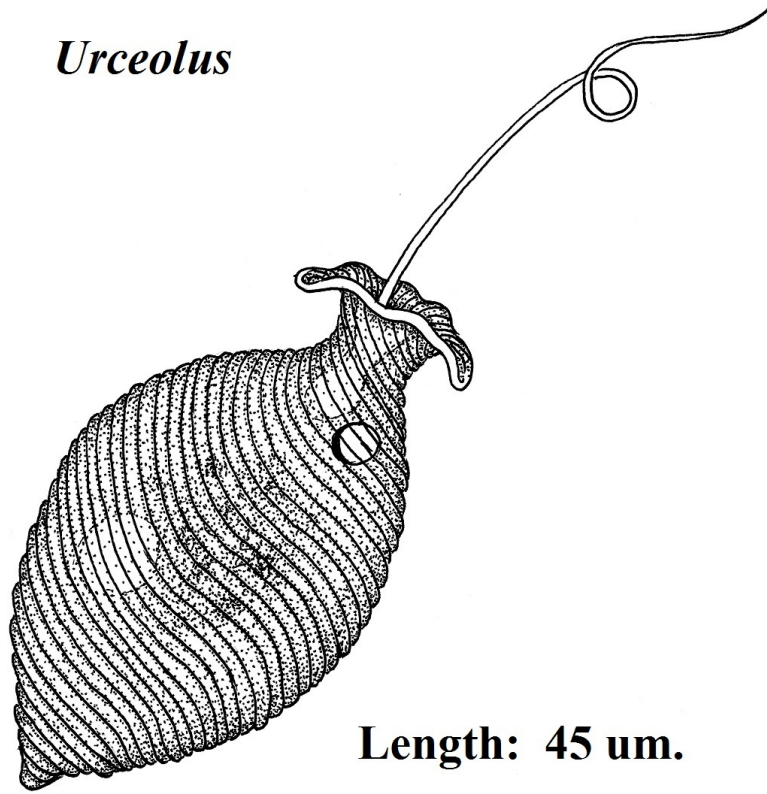
Lorica: 30 x 18 um.

Stylonichia mytilus



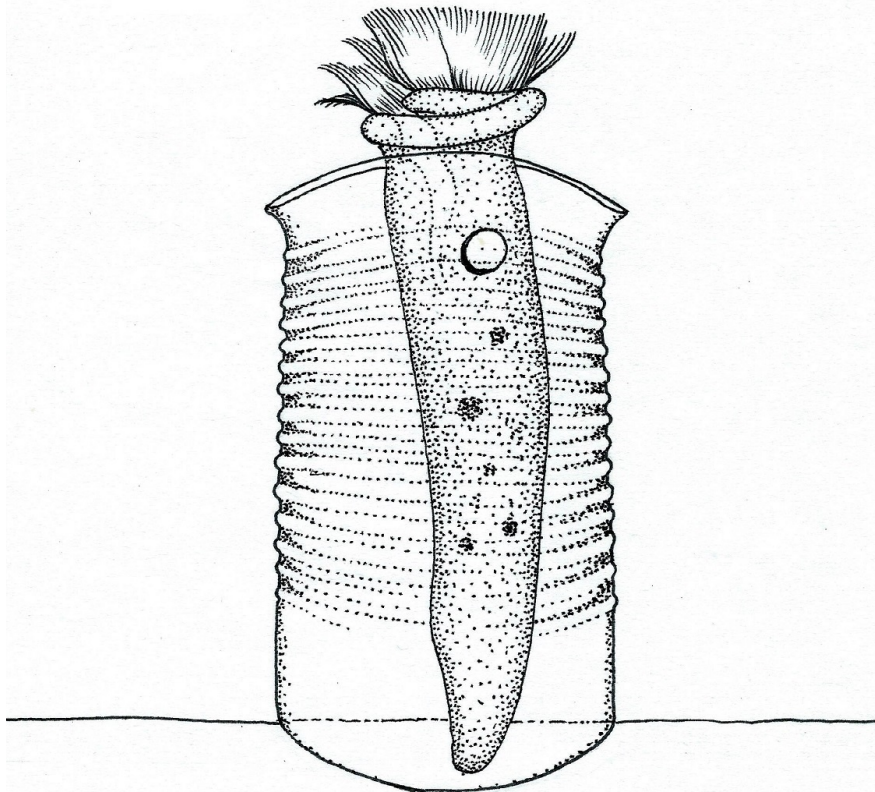
Length: 200 um.

Urceolus



Length: 45 um.

Vaginicola tinctoria



Lorica: 150 x 70 um.

Contact the author David Seamer, email, dseamer AT live DOT com.

*(Email in anti-spam format, replace capitals with appropriate characters,
remove spacing and copy to email software.)*

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