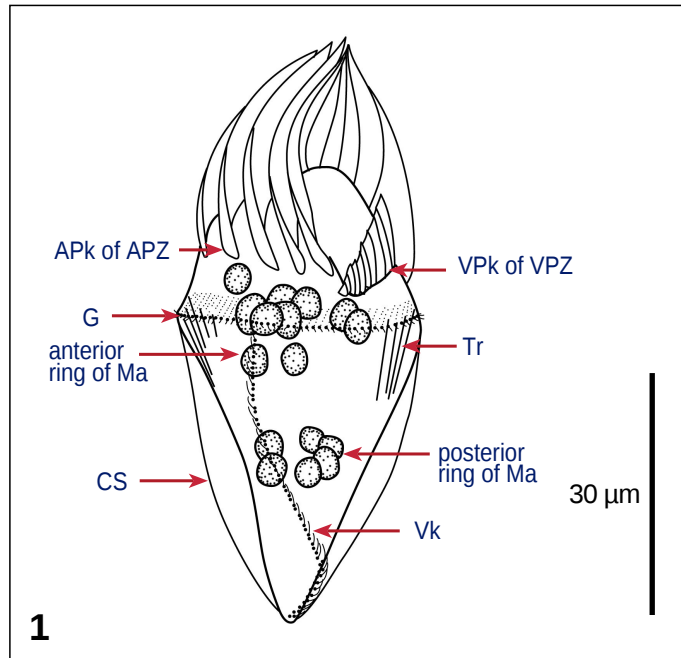


Strombidium wulffi (Wulff, 1919) Kahl, 1932



Key features

Cell conical, anterior domed; girdle kinety supra-equatorial; ventral kinety long, slightly spiralled; macronucleus as spheroid fragments, assembled in two rings

Measurements

Length:	60 (35-90) µm
Width:	30 (20-45) µm
No of APk:	14 (11-15)
No of VPk:	13 (8-22)
Ma diameter:	6-7 µm
Biovolume:	15,000 µm ³

Movement

-

Food

-

Ecological data

Temperature: 5-18 °C

Salinity: 32-34 ‰

References

Kahl A 1932; Lynn DH & Gilron GL 1993; Lynn DH et al. 1988; Wulff A 1919

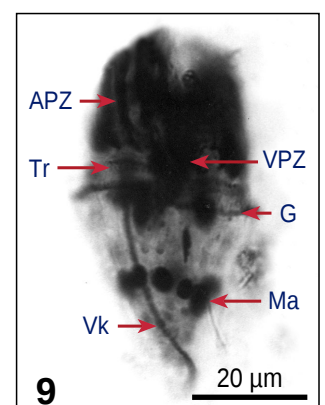
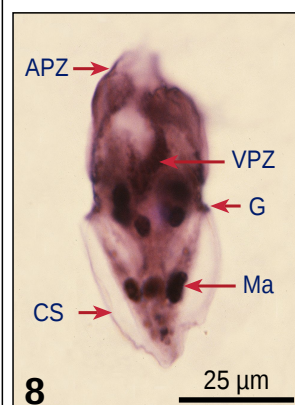
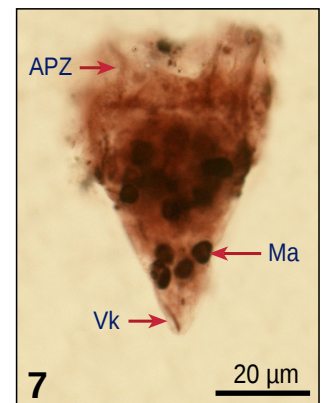
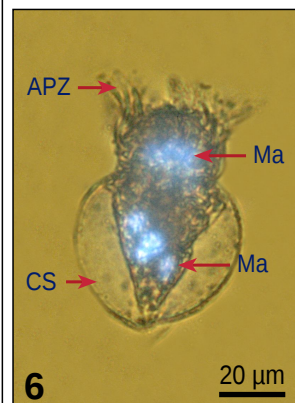
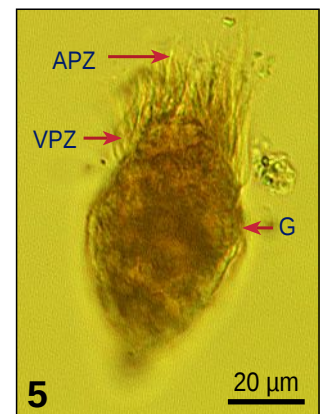
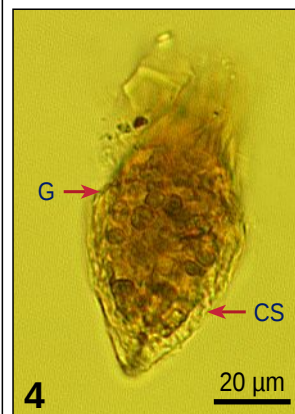
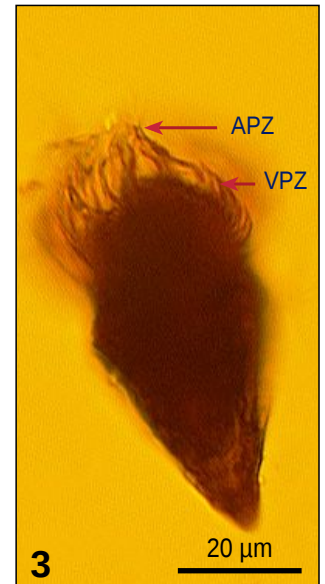
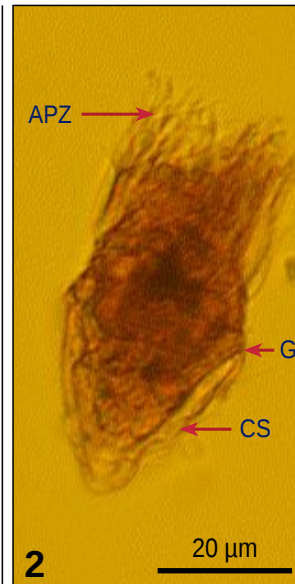
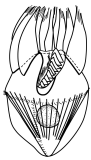


Fig 1 Line drawing of protargol stained cell, showing kineties, oral structures, trichites, and nuclei. **Fig 2-5** Lugol's fixed cells, lateral views. **Fig 6** Lugol's fixed and DAPI stained cell, illustrating assemblage of the nuclear fragments into two rings. **Fig 7-9** Protargol stains, lateral views, showing characteristic features.



Strombidium wulffi (Wulff, 1919) Kahl, 1932

Species description

Cell conical, anterior domed, 60 (35-90) μm long and 30 (20-45) μm wide; **peristomial field distinct**; trichites insert anterior of the girdle (Fig 1,9).

Oral cavity acentric, funnel-shaped; 14 (11-15) APks and 13 (8-22) VPks (Fig 1,8,9).

Girdle kinety supraequatorial, completely surrounding the cell - with stubby cilia (Fig 1,4,8,9); **ventral kinety from girdle towards posterior end, spirals** less than one full turn around the cell – dikinetids with the anterior kinetosome ciliated (Fig 1,7,9).

Macronucleus as spheroid fragments (8-22), **assembled in two rings**, each macronuclear fragment 6-7 μm in diameter - anterior ring with 8 (4-13), posterior ring with 6 (3-12) fragments (Fig 1,6-9).

Similar species

Strombidium conicum, (with anterior protuberance and only one macronucleus); *S. emergens* (only one macronucleus, girdle subequatorial, ventral kinety straight); *S. tintinnodes* (girdle not supraequatorial), *S. striatum* (only one macronucleus)

List of synonyms

1919 *Strombidium striatum* Wulff, Wiss Meeresunters Helgoland 13: 113, Fig 22,27,28.

Taxonomical remarks

This species was described as *Strombidium striatum* by Wulff (1919). Kahl (1932) gave it a new species name, *S. wulffi*, since *S. striatum* (originally described by Meunier, 1907) possesses only one macronucleus.

Notes