## Microgromia minor (de Saedeleer, 1934)

Most likely ID: n.a.

Synonym: n. a.

Sampling location: Simmelried

Phylogenetic tree: Microgromia minor

## **Diagnosis**:

- shell retort-shaped, outline circular sometimes elongated with a dorsal tip
- length of shell 14–25  $\mu m$
- shell hyaline and thin
- short neck, obliquely oriented to shell outline
- one side of the neck is a slightly concave transition of the shell outline
- neck with a septum
- nucleus central with a spherical nucleolus
- contractile vacuole near neck
- granuloreticulopodia very thin, anastomosing, arising from a peduncle



after de Saedeleer

Microgromia minor

I found *Microgromia minor* between 2005 and 2014 in the <u>Simmelried</u>. Mostly the specimens were found there on gelatinous colonies of cyanobacteria (probably *Aphanothece spec.*), on which it fed. I have not been able to find any more specimens after 2014.

*Microgromia minor* looks similar to *Microgromia haeckeliana*, but one side of the neck is an extension of the shell outline, with a slightly concave indentation (s fig. 1). In my population there were also some specimens with an elongately deformed shell, which terminated in a short tip at the dorsal margin (s. figs. 2 and 5 a-b). Otherwise the outlines of the shells were mostly circular.



Fig. 1: *Microgromia minor*.  $L = 17 \mu m$ . Lateral view of specimen. Note the slightly concave transition of the shell outline into the neck (arrow). Obj. 100 X.



**Fig. 2:** *Microgromia minor*.  $L = 17 \mu m$ . A second specimen feeding on cyanobacteria (likely *Aphanothece* spec.). Note the dorsal tip of the shell. Obj. 100 X.



Fig. 3: Microgromia minor. L = 14  $\mu$ m. A third specimen feeding on cyanobacteria. Obj. 100 X.



Fig. 4: Microgromia minor. L = 13  $\mu$ m. A fourth specimen feeding on cyanobacteria. Obj. 100 X.



Fig. 5 a-b: Microgromia minor. L = 15  $\mu$ m. Two focal planes of a specimen feeding on cyanobacteria. Obj. 100 X.



Fig. 6: *Microgromia minor*.  $L = 16 \mu m$ . Two specimens in a feeding community. Obj. 100 X.