

## ***Cephalodella wrighti* (Wulfert, 1960)**

**Most likely ID:** n.a.

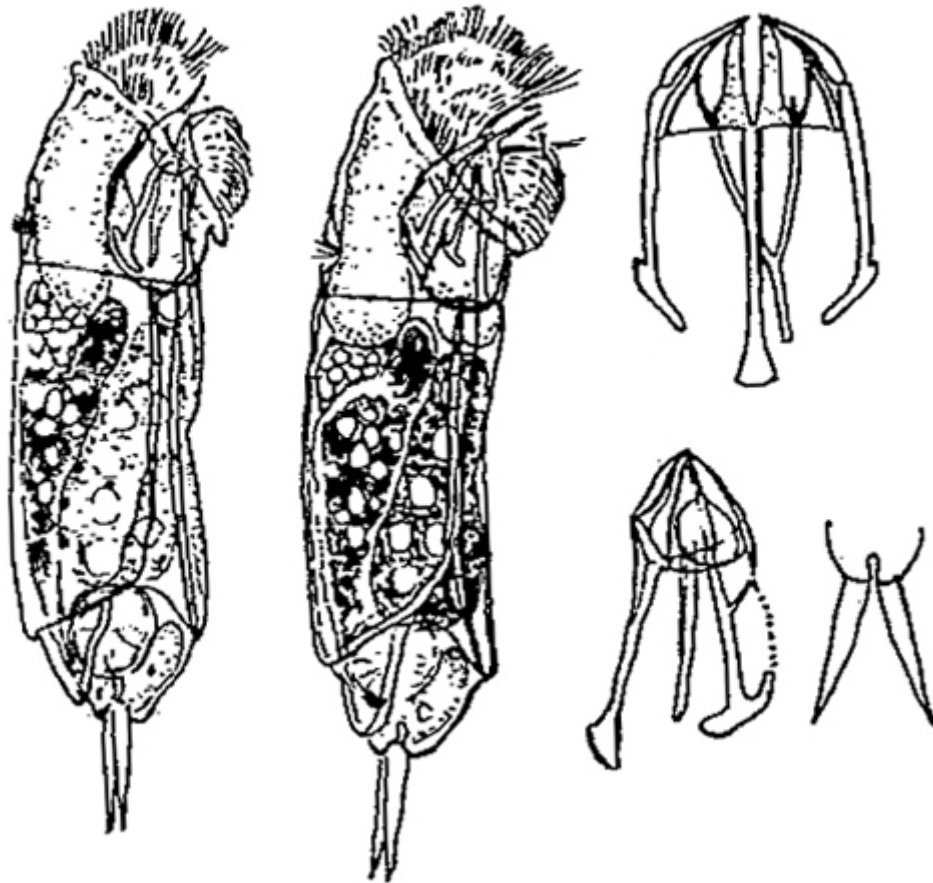
**Synonym:** n.a.

**Sampling location:** [Simmelried](#)

**Phylogenetic tree:** [Cephalodella wrighti](#)

### **Diagnosis:**

- body elongated, parallel-sided, transparent
- length 125-130  $\mu\text{m}$
- corona ventrally oriented
- no eyespot
- trophi with Y-shaped, joined pleural rods
- elongated cerebral ganglion (reaches the neck)
- gastric glands with prominent oil droplets
- stomach yellow or yellow greenish, also with oil droplets
- toes short and straight, about 18  $\mu\text{m}$  long
- vitellarium with 8 nuclei



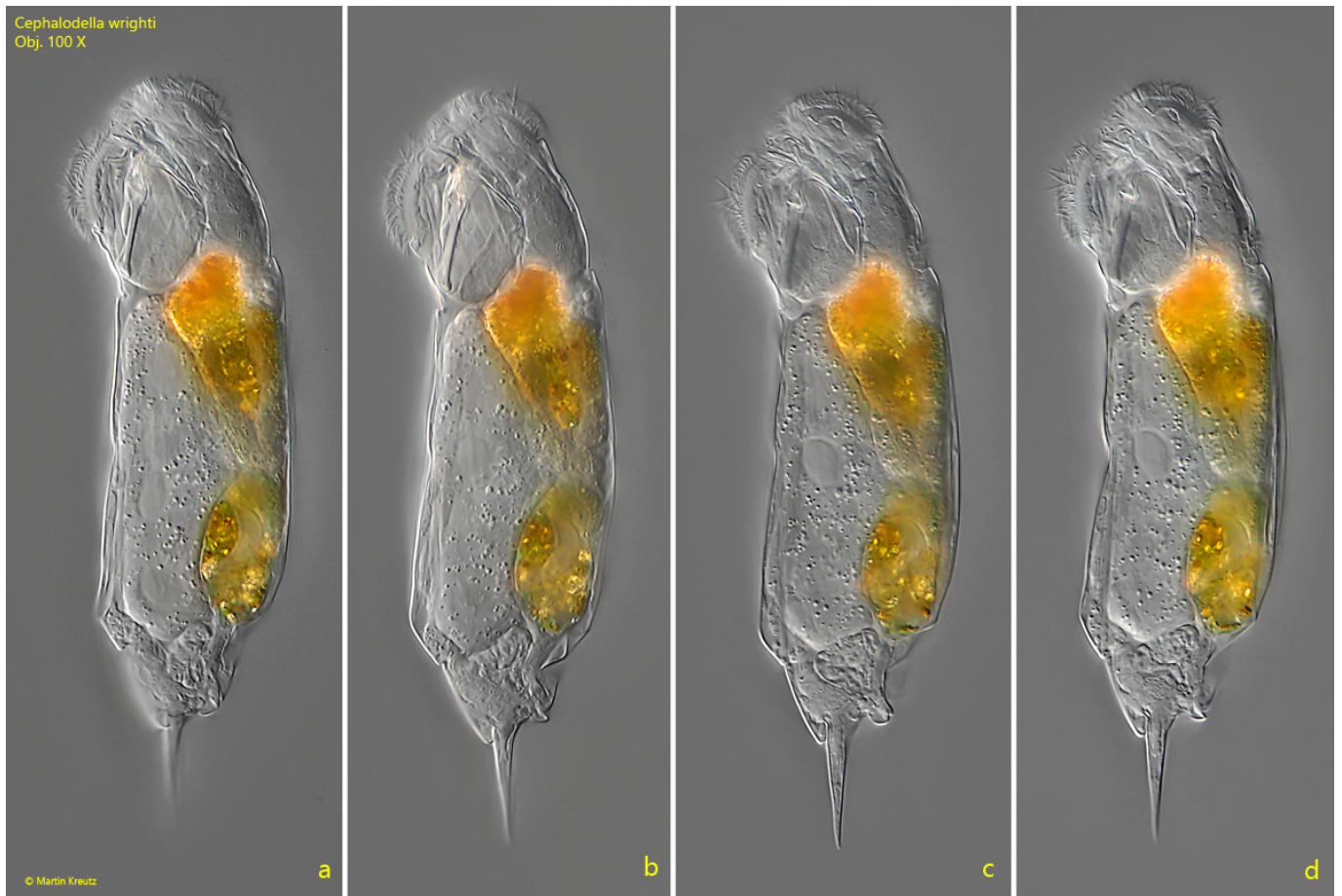
after Wulfert

*Cephalodella wrighti*

I have found *Cephalodella wrighti* so far exclusively in the [Simmelried](#). This representative of the genus *Cephalodella* has two characteristic features, which allow a clear identification. There are numerous oil drops in the gastric glands, which are also found in the stomach below (s. fig. 3 b). Thus, the oil drops are obviously released into the stomach together with the secretion of the gastric glands. Another feature are Y-shaped joined pleural rods in the trophi. This feature is unique and does not occur in any other *Cephalodella* species.

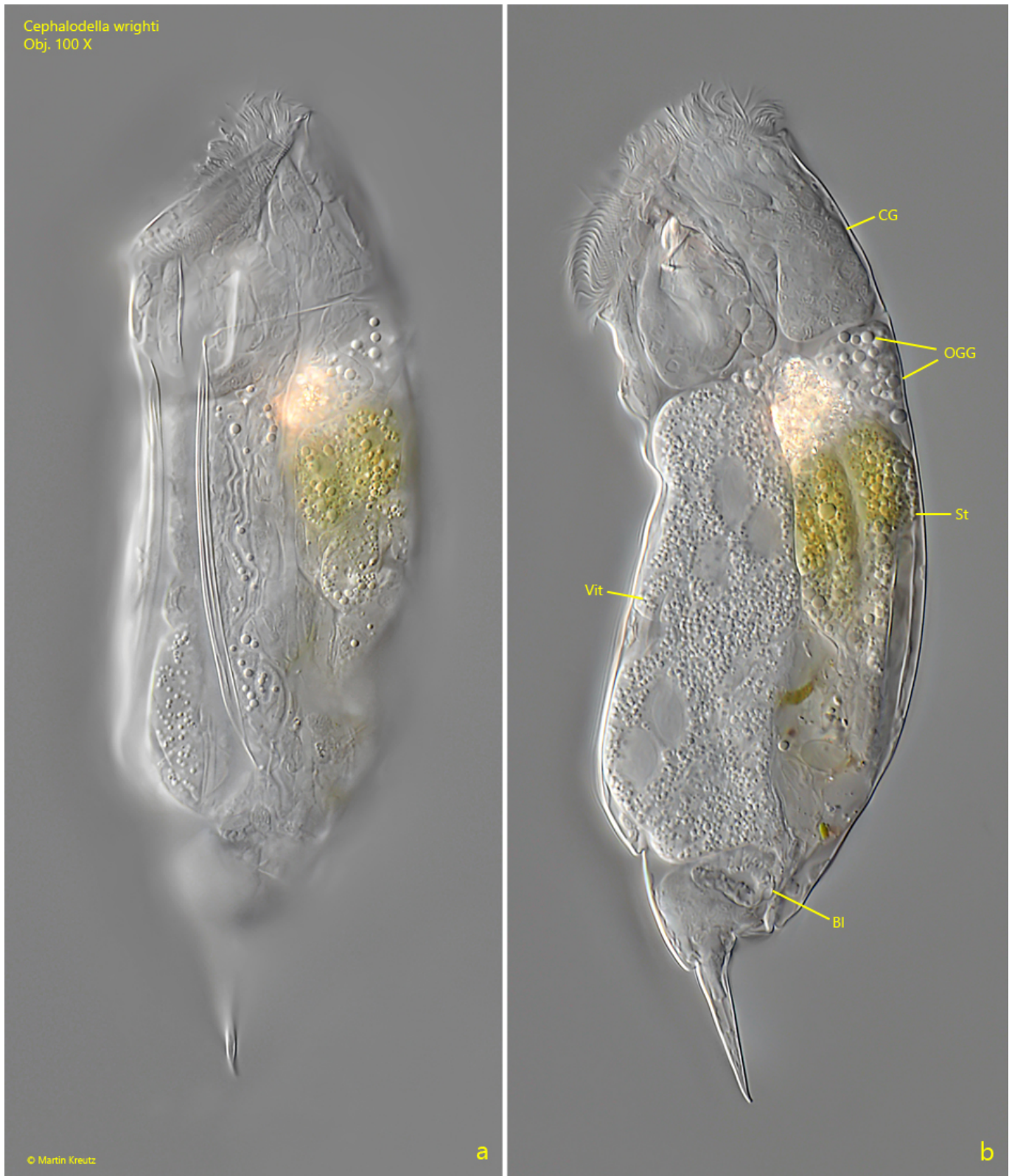


**Fig. 1 a-b:** *Cephalodella wrighti*. L = 139  $\mu\text{m}$  (inclusive toes). Two focal planes of a freely swimming specimen from left. Obj. 40 X.

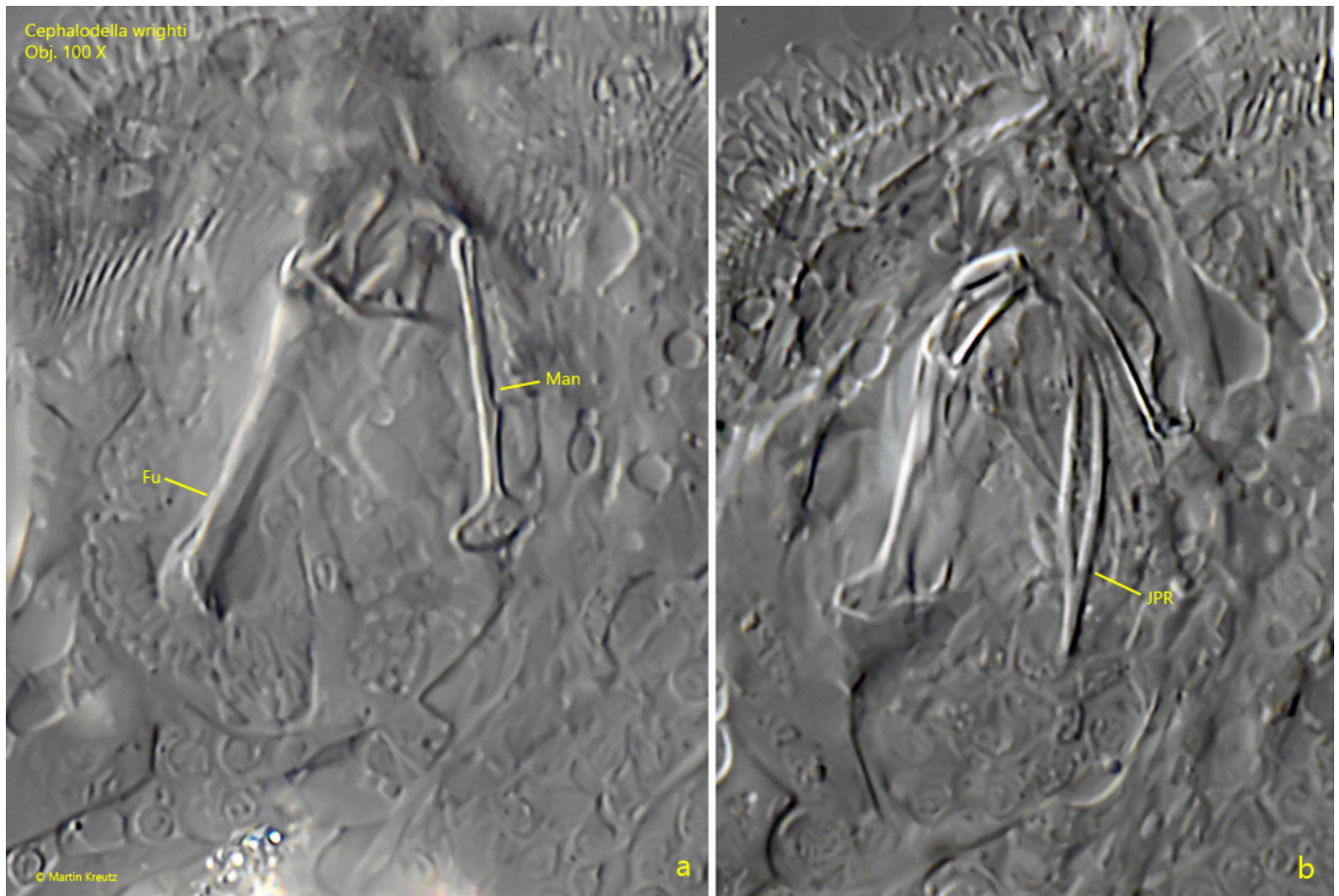


**Fig. 2 a-d:** *Cephalodella wrighti*. L = 152  $\mu\text{m}$  (inclusive toes). A second freely swimming specimen from left. Obj. 60 X.





**Fig. 3 a-b:** *Cephalodella wrighti*. L = 139  $\mu$ m (inclusive toes). Two focal planes of a slightly squashed specimen from left. Note the oil droplets in the gastric glands (OGG) which can also be seen in the yellowish stomach (St). Bl = bladder, CG = cerebral ganglion, Vit = vitellarium. Obj. 100 X.



**Fig. 4 a-b:** *Cephalodella wrighti*. Two focal planes of the trophi in a strongly squashed specimen. Note the Y-shaped, joined pleural rods (JPR). Fu = fulcrum, Man = manubrium. Obj. 100 X.