



# Observations on

## *Platycola longicollis* Kent 1881

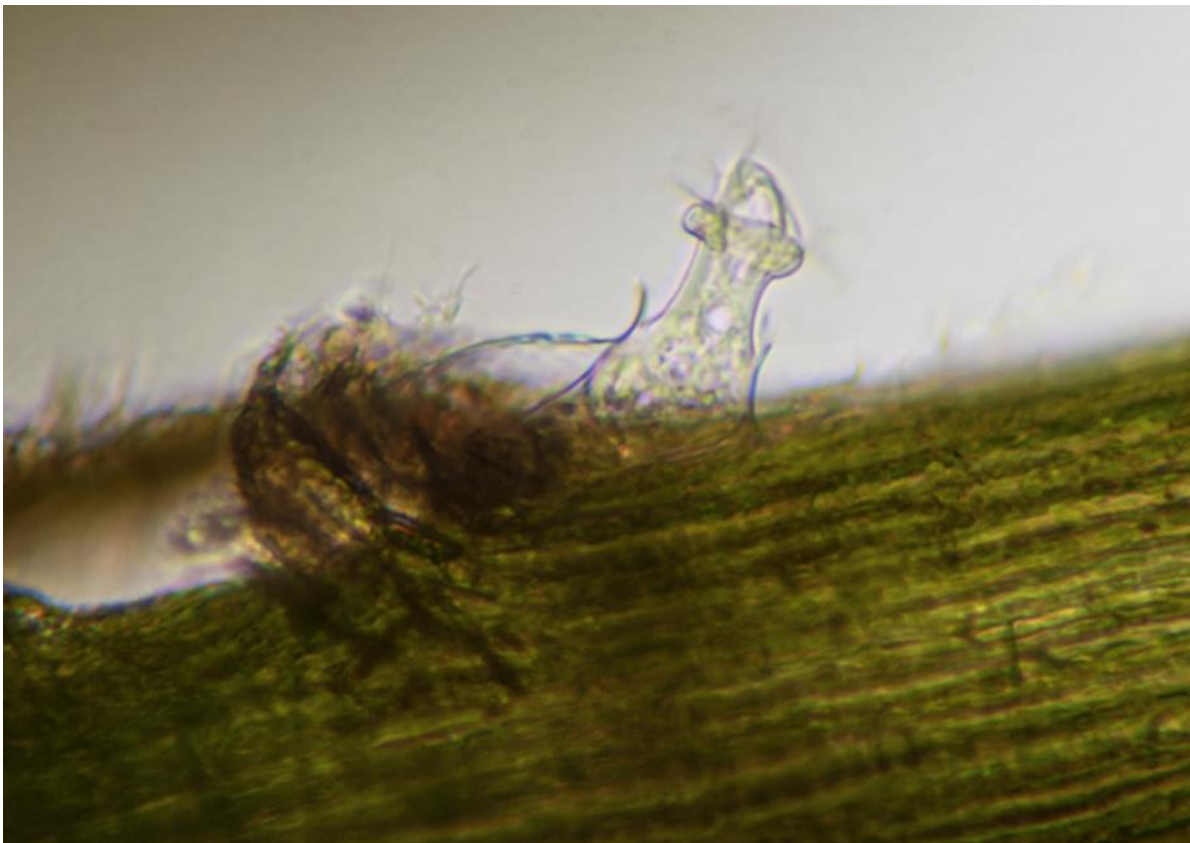
**Most likely ID:** n. a.

**Synonyms:** n. a.

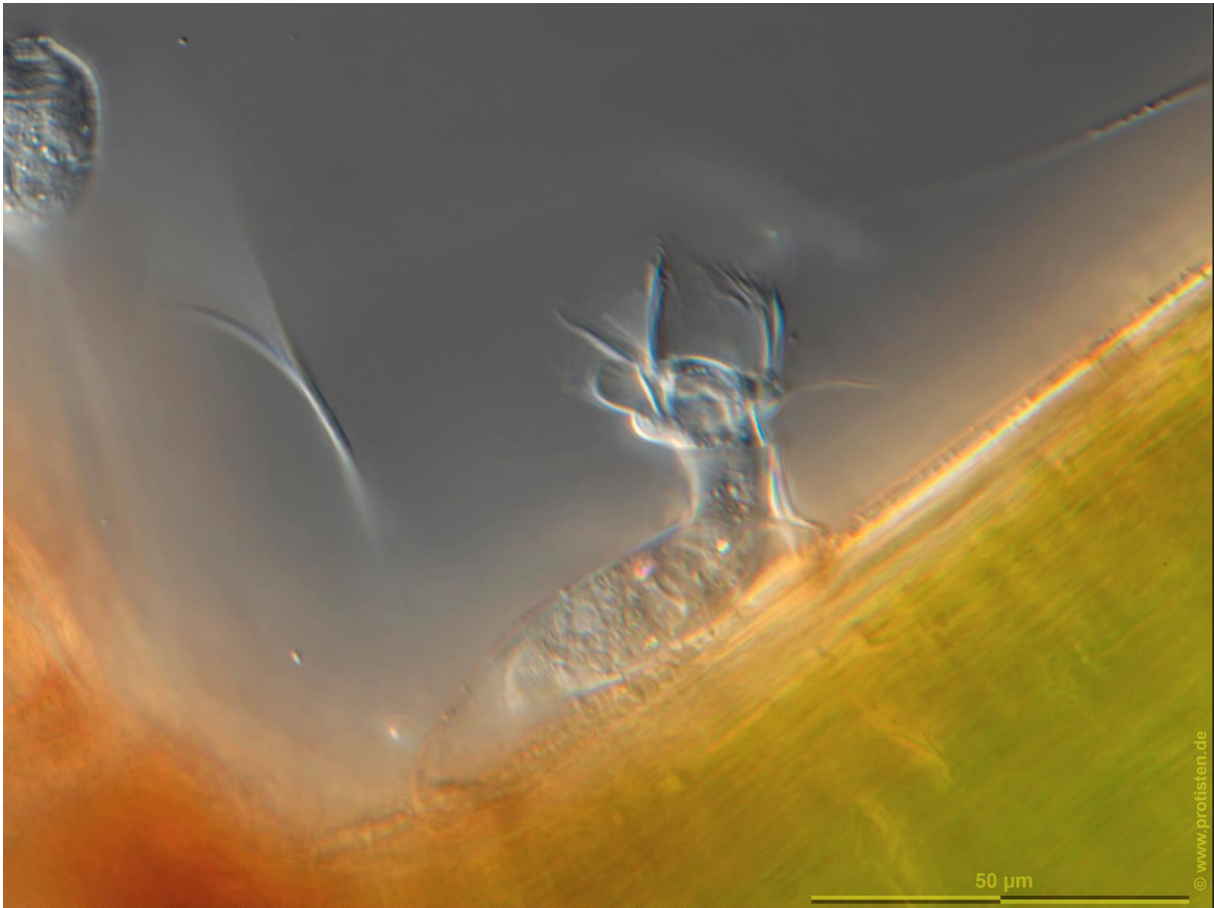
EOL Phylogenetic tree: [Platycola longicollis](#)

## *Platycola longicollis* on Java moss (*Taxiphyllum barbieri*) filaments from a freshwater aquarium

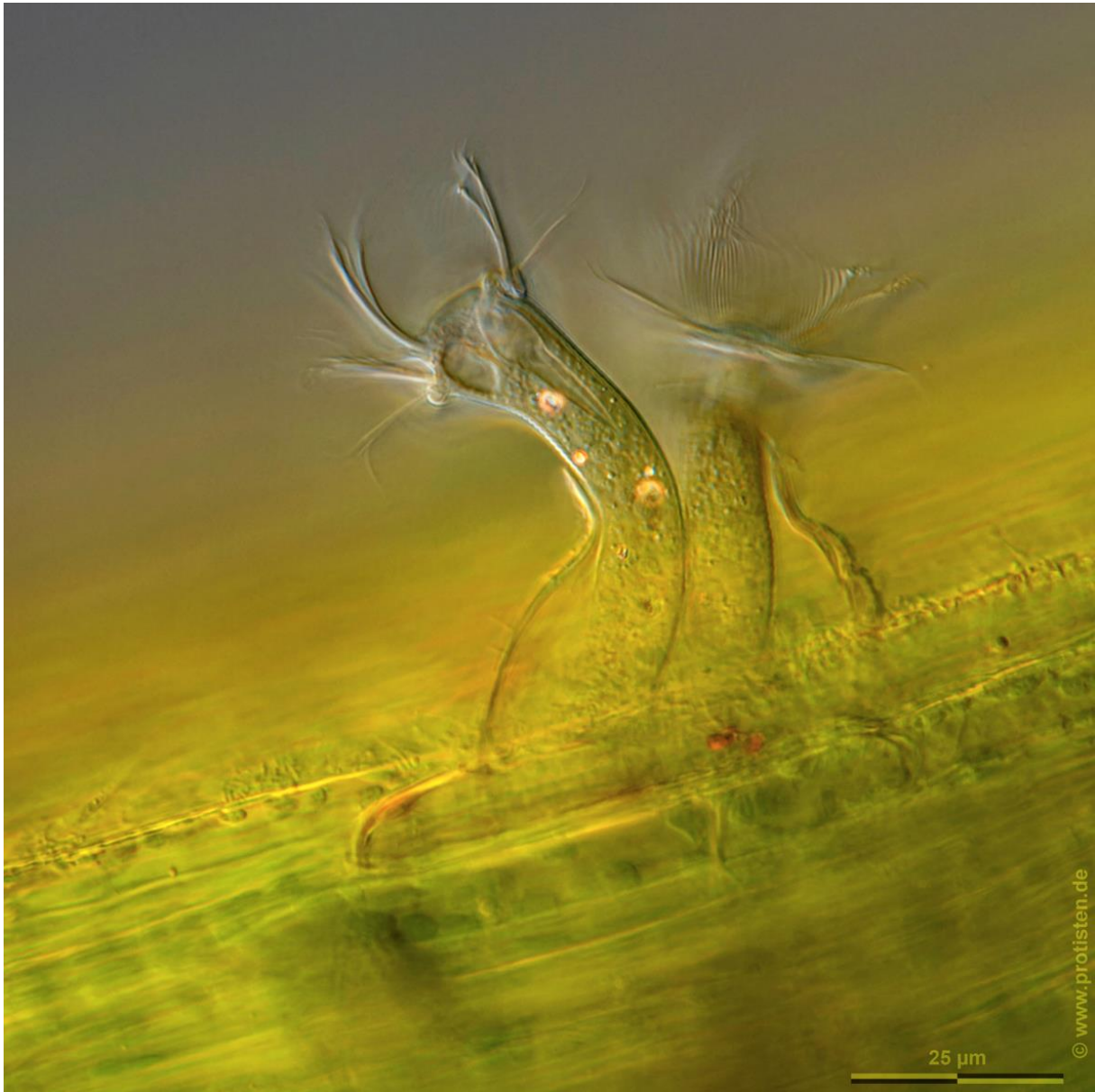
### First observation



**Fig. 1:** *Platycola longicollis* on a Java moss (*Taxiphyllum barbieri*) filament; image taken using a dissecting microscope. Length of the lorica appr. 100  $\mu\text{m}$

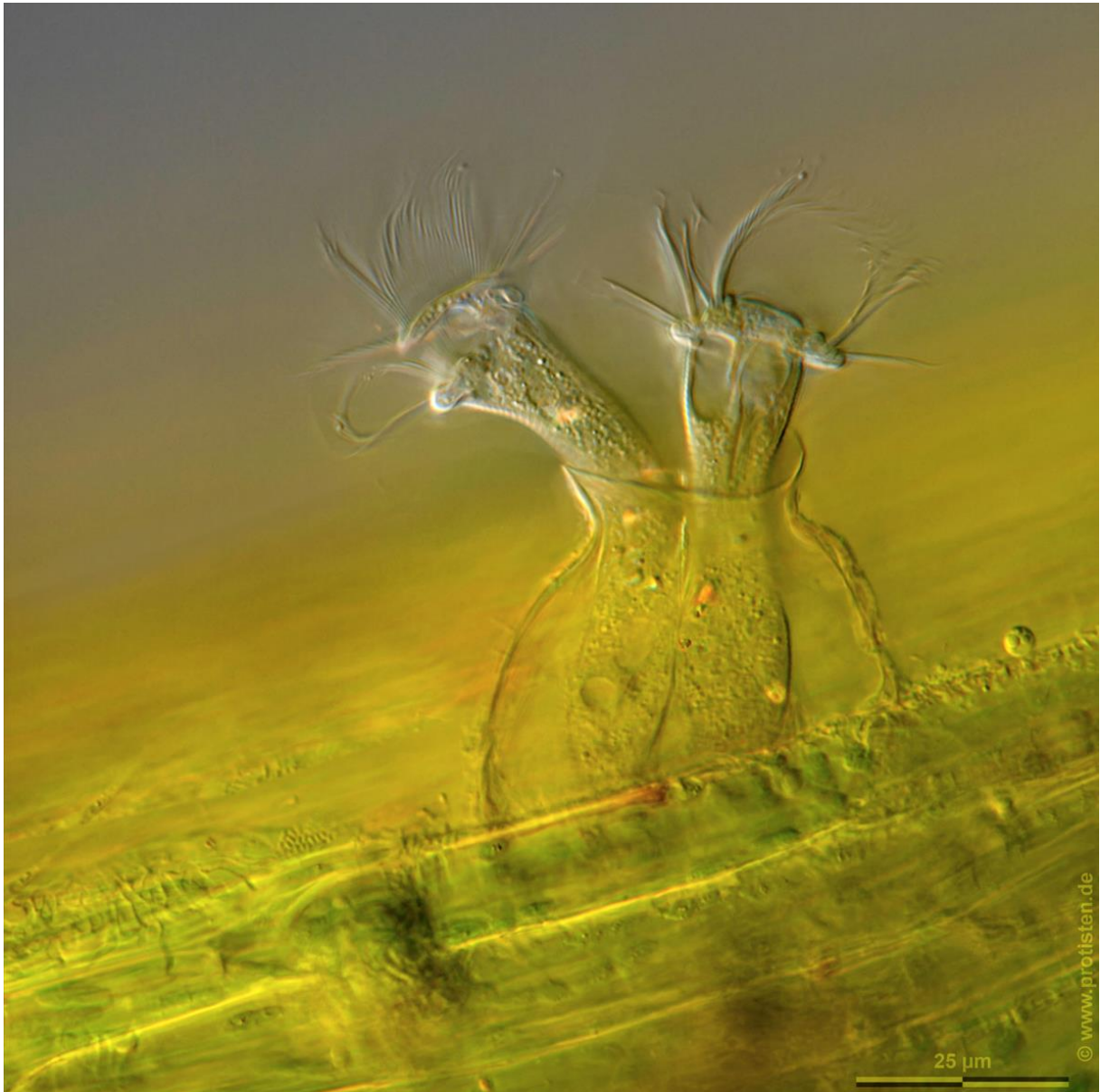


**Fig. 2:** A closer look on *Platycola longicollis*. Objective 20x. Scale bar indicates 50 µm.

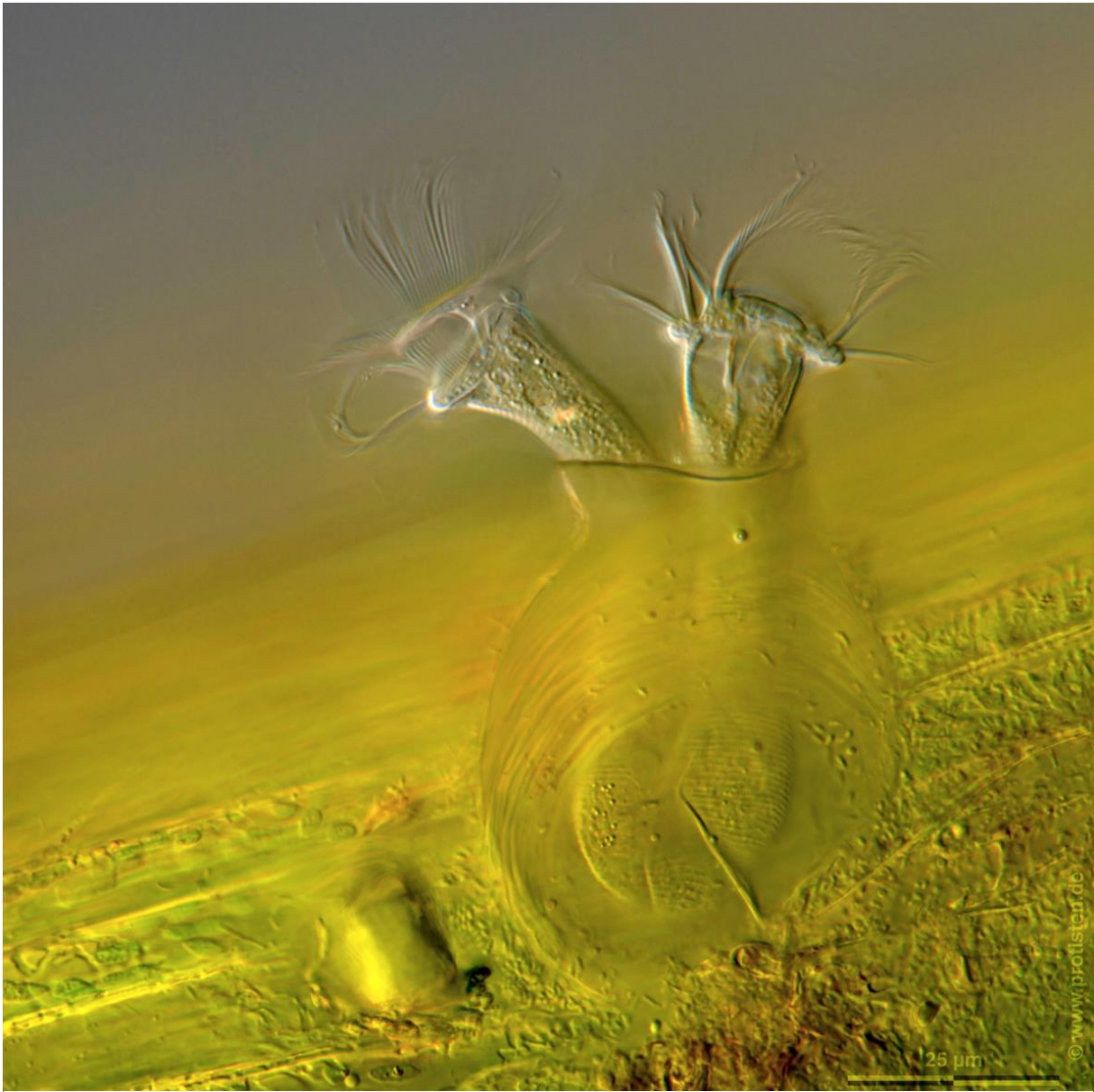


**Fig. 3:** Another lorica with two cells of *Platycola longicollis*. Optical section through the cells. Objective 40x oil immersion. Scale bar indicates 25 μm.





**Fig. 4:** The second optical section through the lorica shows the shape of the opening typical for this species. Objective 40x oil immersion. Scale bar indicates 25  $\mu\text{m}$ .



**Fig. 5:** Complete lorica, mounted on the Java moss stem with its long side in the direction of view. Objective 40x oil immersion. Scale bar indicates 25 μm.

## Second observation



**Fig. 6:** Optical section through the cell and the lorica showing the worm-shaped macronucleus traversing almost the entire cell (arrows). The brightly glowing dots are mitochondria. Objective 40x water immersion. Scale bar indicates 50 μm.



**Fig. 7:** The sectional plane is placed in such a way that the striation on the cell body is partially shown (arrow). In order to be able to see this detail well, the PDF must be displayed at 200%. Objective 40x water immersion. Scale bar indicates 50 μm.





**Fig. 8:** Representation of the complete lorica, it was exactly perpendicular to the direction of observation. Objective 40x water immersion. Scale bar indicates 50  $\mu\text{m}$ .





**Fig. 9:** Two optical sections through the Lorica mounted on a java moss trunk with the long side facing the viewer. The neck and opening of the bottle are detailed. Objective 40x oil immersion.