

***Plationus patulus* Müller, 1786**

Most likely ID: n.a.

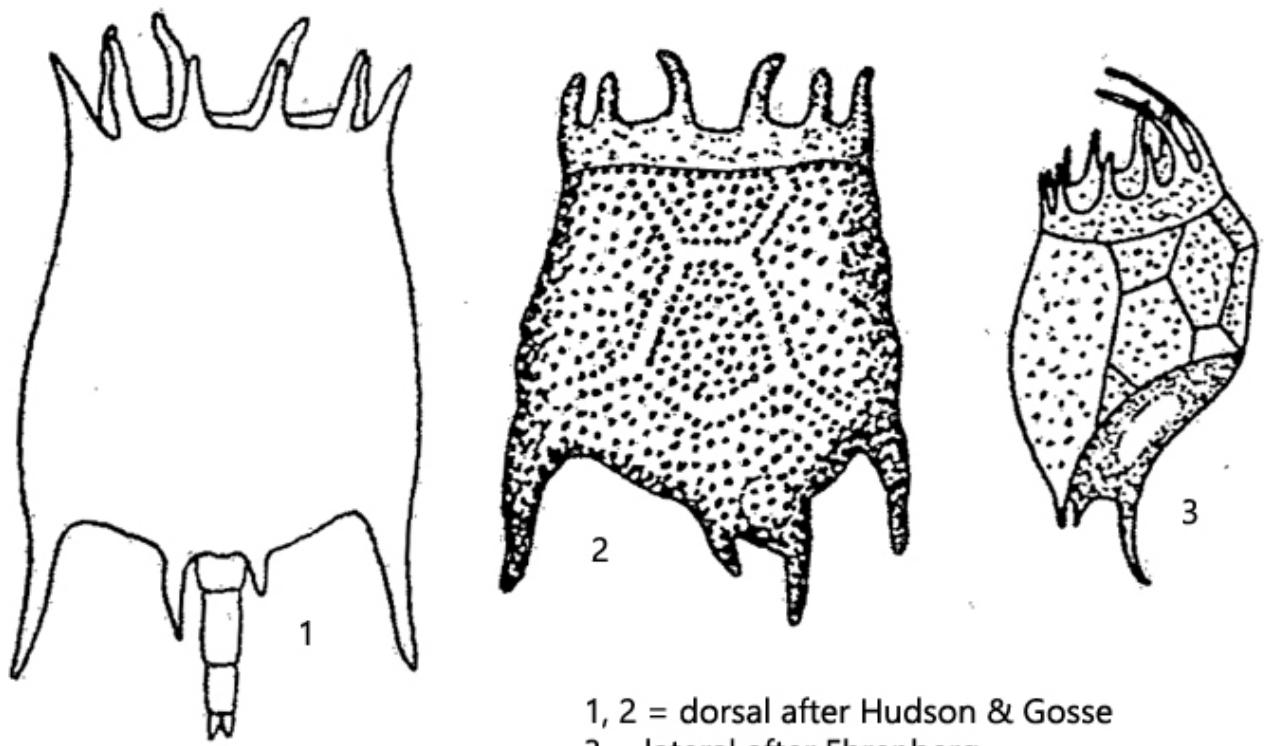
Synonym: *Brachionus patulus*, *Platyias patulus*

Sampling location: [Ulmisried](#), [Simmelried](#)

Phylogenetic tree: [Plationus patulus](#)

Diagnosis:

- lorica almost rectangular, dorso-ventrally flattened
- length 165–265 µm (with foot)
- anterior end of lorica with 10 spines
- posterior end of lorica with 4 spines
- dorsal side of lorica fielded and granulated
- foot three-segmented
- 2 slender toes with pointed ends
- one eyespot
- foot tube surrounded by short spines



1, 2 = dorsal after Hudson & Gosse
 3 = lateral after Ehrenberg

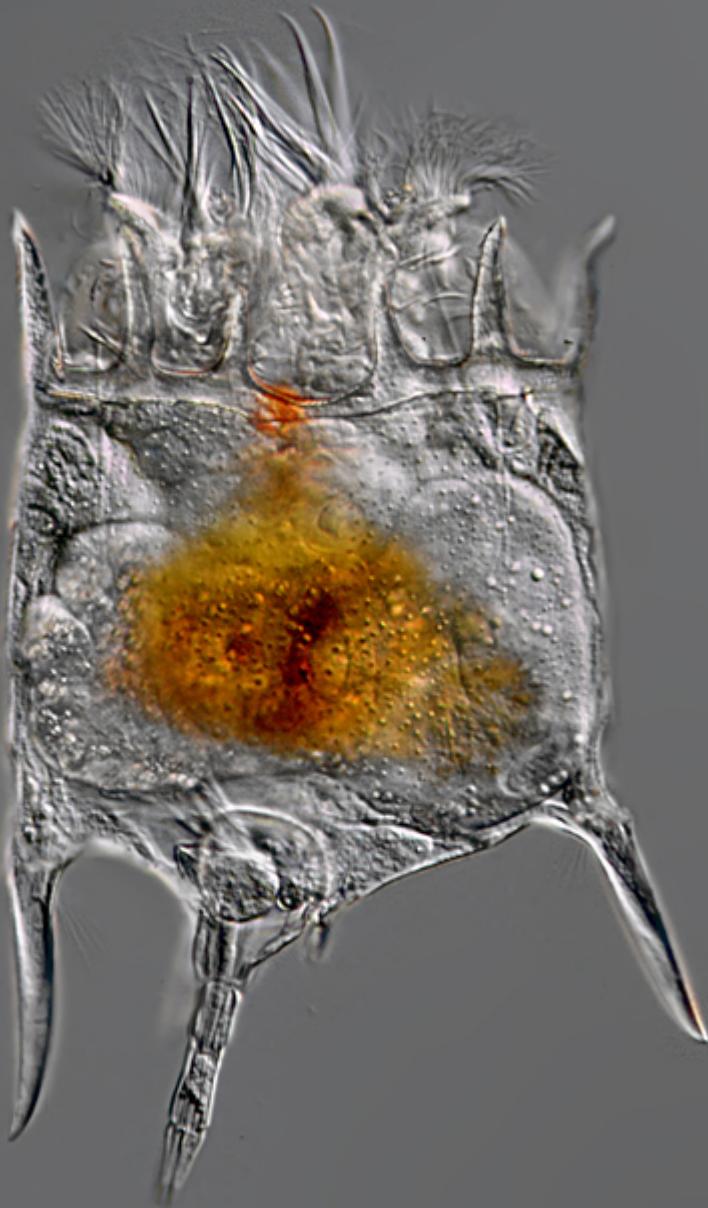
Plationus patulus

I found *Plationus patulus* in 1996 and 2005 in the [Simmlried](#) and again in 2021 in a shallow pond on a flooded meadow. In my other collection sites, I was not able to detect this species and after 2021, I have not found another specimen.

Plationus patulus is easily recognized by the 10 spines on the anterior margin of the lorica (s. fig. 3). Unlike species of the genus *Brachionus*, *Plationus* has a segmented foot rather than a ringed one (s. figs. 1 and 4 b).

More images and information of *Plationus patulus*: [Michael Plewka-Freshwater life-*Plationus patulus*](#)

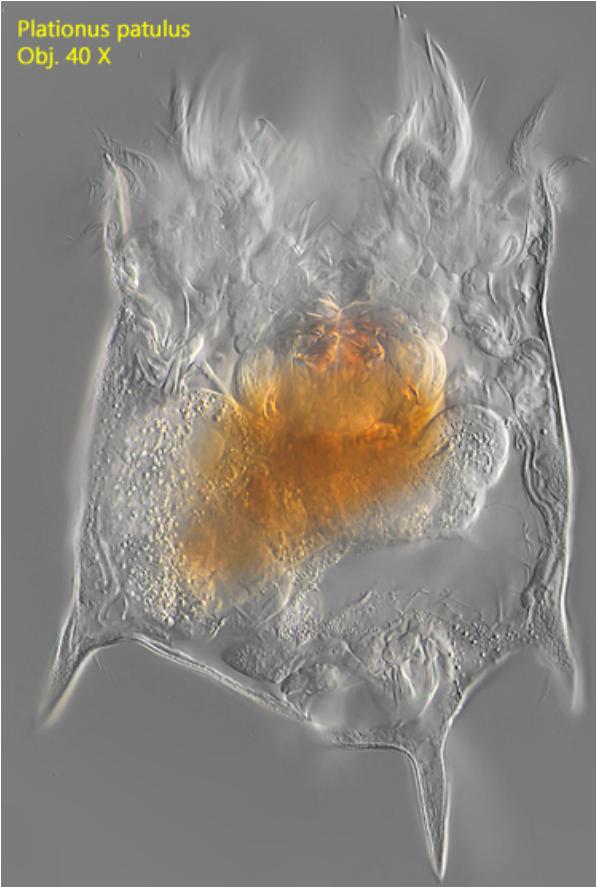
Platonus patulus
Obj. 20 X



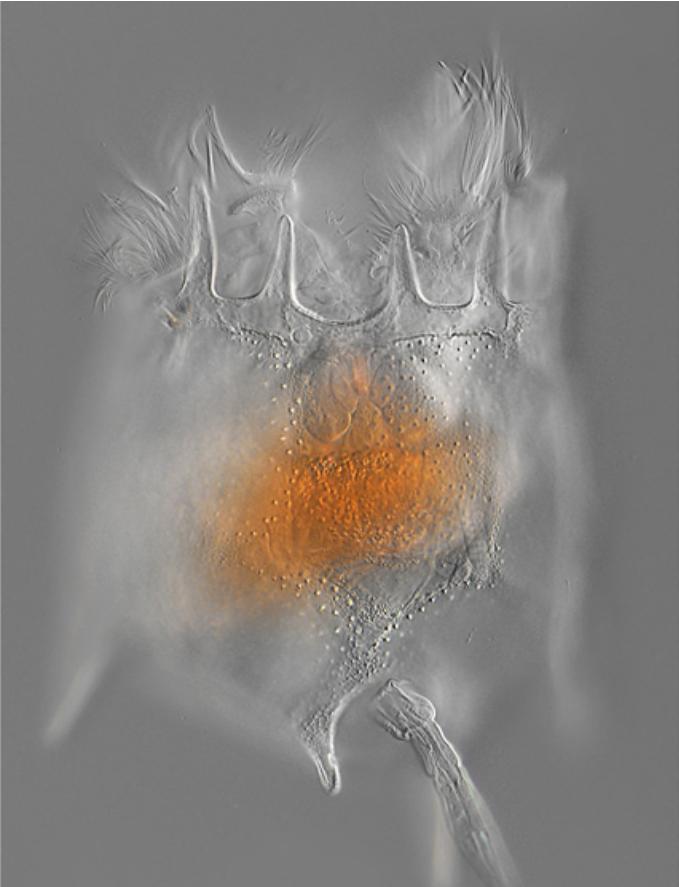
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Fig. 1: *Platonus patulus*. L = 288 μ m (with foot). Ventral view of a slightly squashed specimen with a fully extended foot. Obj. 20 X.

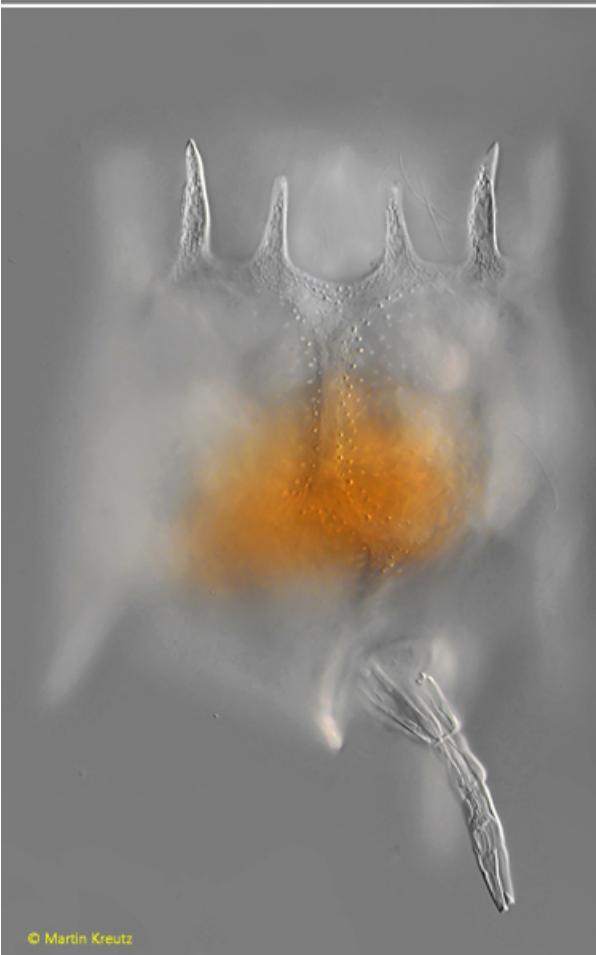
Plationus patulus
Obj. 40 X



a



b



c



d

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Fig. 2 a-d: *Platonus patulus*. L = 272 μm (with foot). Ventral view of a second, slightly squashed specimen. Obj. 40 X.



Fig. 3: *Platonus patulus*. L = 275 μm (with foot). Ventral view of a slightly squashed specimen in brightfield illumination. Note the 10 spines at the anterior end of the lorica (1-10). Obj. 20 X.



Fig. 4 a-b: *Platonus patulus*. Two focal planes of the short spines surrounding the foot opening (arrows). FT = foot, LA = lateral antennae, TO = toes. Obj. 40 X.



Fig. 5: *Platonus patulus*. Ventral view with the large red eyespot. Obj. 40 X.

Platonus patulus
Obj. 100 X



Fig. 6: *Platonus patulus*. The trophi in a strongly squashed specimen. Obj. 100 X.