

***Heterolepadella heterostyla* Murray, 1913**

Most likely ID: n.a.

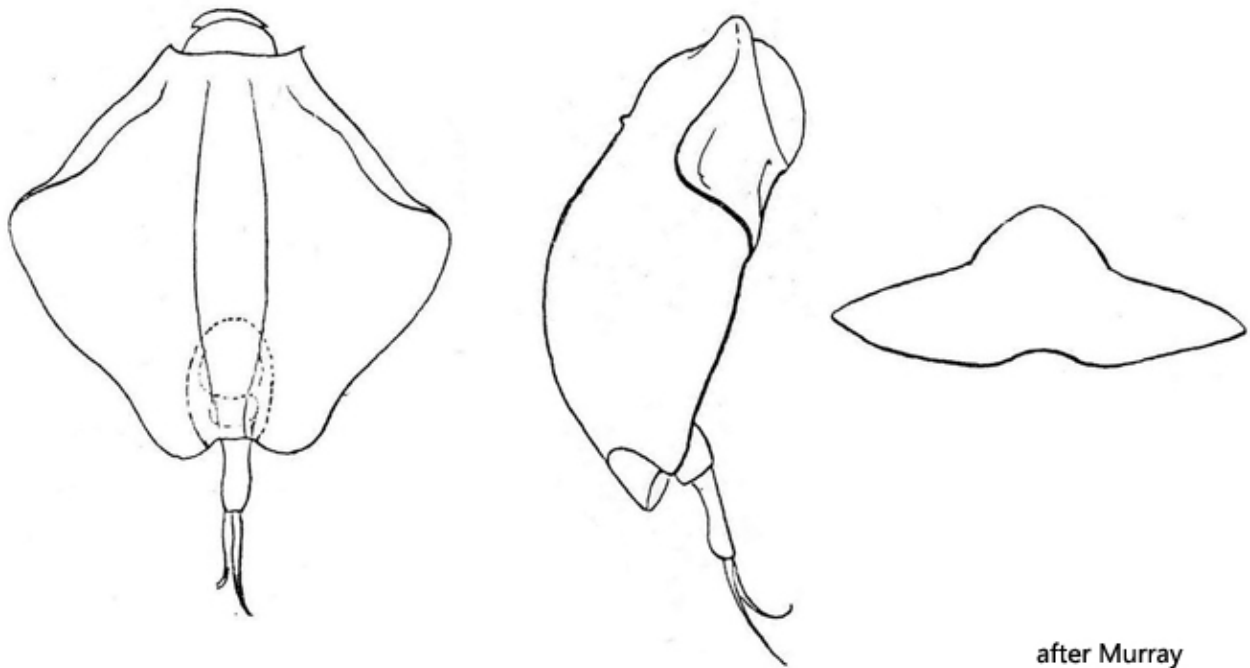
Synonyms: *Lepadella heterostyla*, *Metopidia heterostyla*

Sampling location: [Pond of the convent Hegne](#), Spechtensee (Styria, Austria), [Sima Moor \(Austria\)](#)

Phylogenetic tree: [Heterolepadella heterostyla](#)

Diagnosis:

- lorica rhomboidal, edges curving slightly upwards
- lorica dorsally convex, ventrally flat
- length of lorica 78–82 µm, width 70–82 µm
- anterior collar dorsally and ventrally stippled
- foot groove U-shaped
- terminal segment of foot longer than basal foot section
- pointed toes of different lengths



Heterolepadella heterostyla

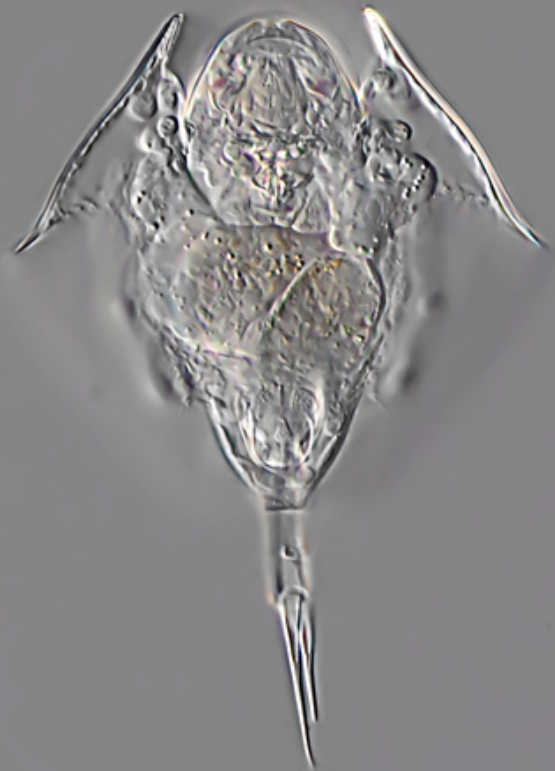
I found *Heterolepadella heterostyla* in the Spechtensee in Styria/Austria in June 1999 and 25 years later in June 2024 in the [Sima Moor \(Austria\)](#). This species can easily be confused with the rhombic form variant of *Lepadella triptera*. However, *Heterolepadella heterostyla* has toes of different lengths (s. figs. 1 b, 2 a and 5). The right toe is always the shorter one. The lorica has a rhombic shape and the lateral corners are slightly bent forward (s. fig. 2 a). A triangular-shaped rostrum can only be seen in an outstretched specimen (s. fig. 2 b). On the ventral side of the lorica of specimens from the [Sima Moor](#) I could recognize 7 humps, which are not described in the literature (s. fig. 3).

More images and information on *Heterolepadella heterostyla*: [Michael Plewka-Freshwater life-Heterolepadella heterostyla](#)

Heterolepadella heterostyla
Obj. 40 X



a



b



c



d

Fig. 1 a-d: *Heterolepadella heterostyla*. L = 85 μ m (of the lorica). A slightly squashed specimen from ventral. Obj. 40 X.

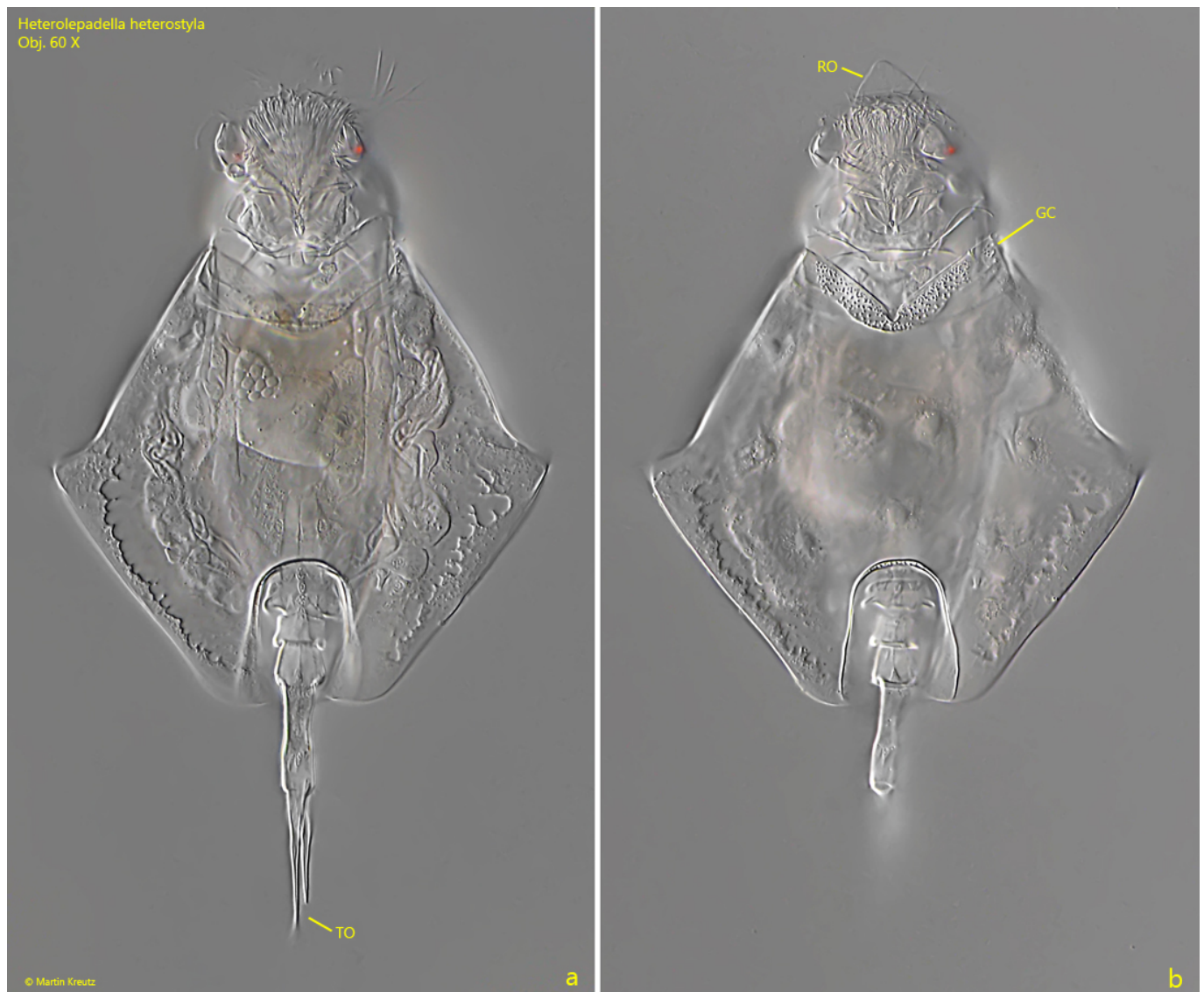
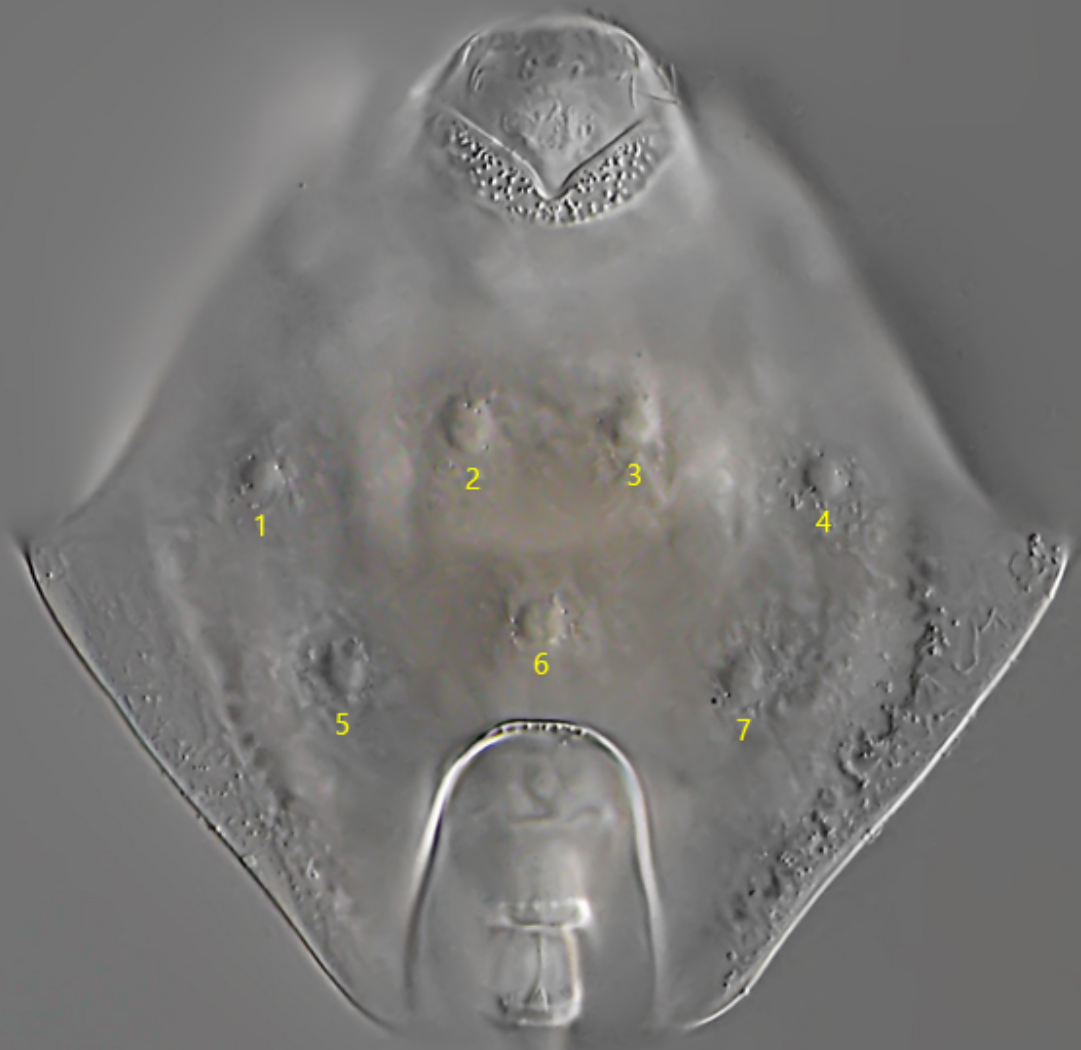


Fig. 2 a-b: *Heterolepadella heterostyla*. L = 85 μ m (of the lorica). The slightly squashed specimen as shown in fig. 1 a-d in detail. Note the different lengths of the toes (TO) and the granulated collar (GC). RO = rostrum. Obj. 60 X.

Heterolepadella heterostyla
Obj. 60 X



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Fig. 3: *Heterolepadella heterostyla*. L = 85 μ m (of the lorica). Focal plane on the 7 humps (1-7) visible on the ventral side of the lorica. Obj. 60 X.

Heterolepadella heterostyla
Obj. 40 X



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Fig. 4: *Heterolepadella heterostyla*. L = 82 μ m (of the lorica). Ventral view of a slightly squashed specimen found in June 1999 in the Spectensee (Austria). Obj. 40 X.

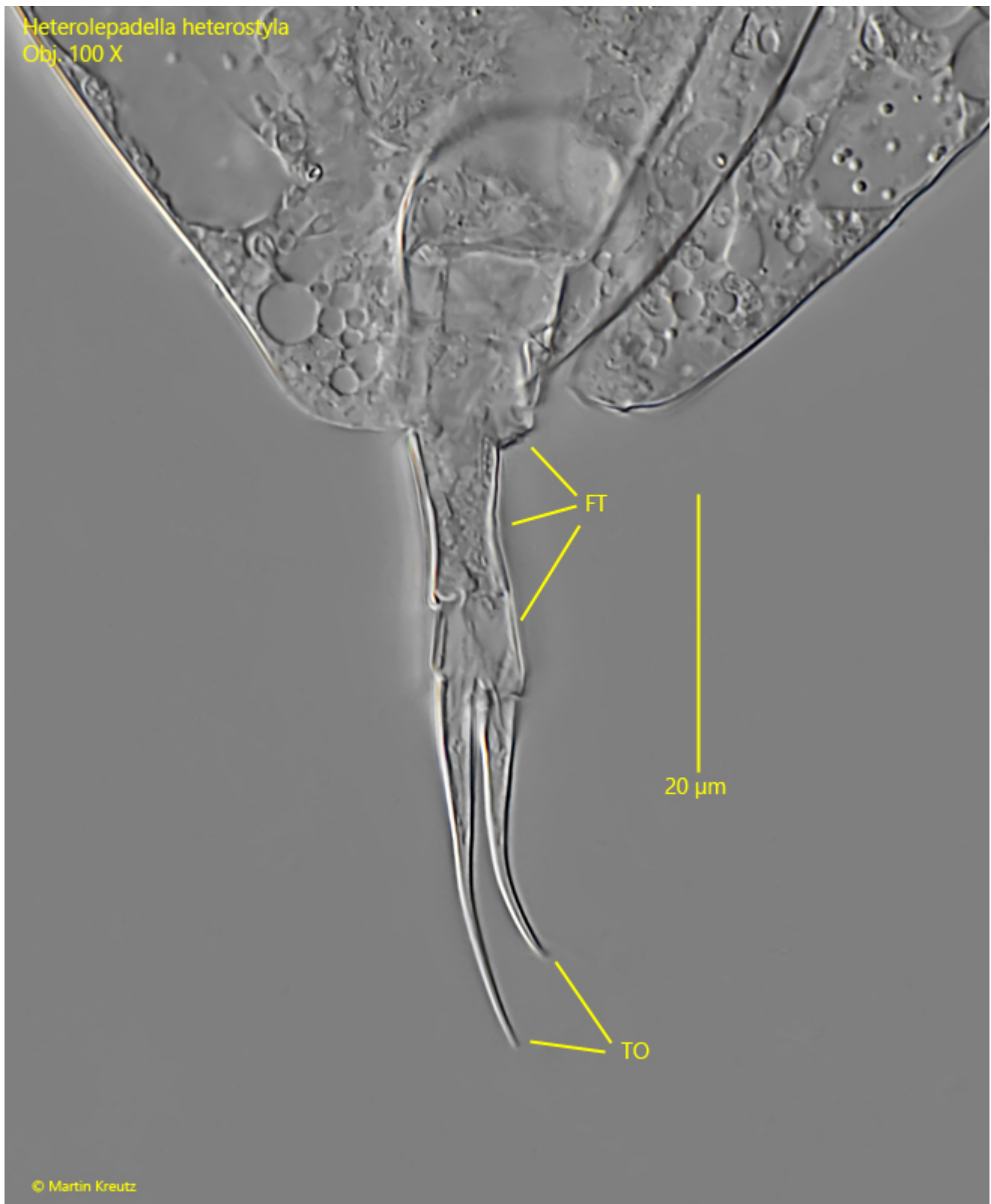


Fig. 5: *Heterolepadella heterostyla*. The three segments of the foot (FT) and the toes (TO) of different length in a squashed specimen. Obj. 100 X.



Fig. 6 a-b: *Heterolepadella heterostyla*. Two focal planes of the trophi in a strongly squashed specimen. Obj. 100 X.