

Micrasterias apiculata
(Meneghini ex Ralfs, 1848)

Most likely ID: n.a.

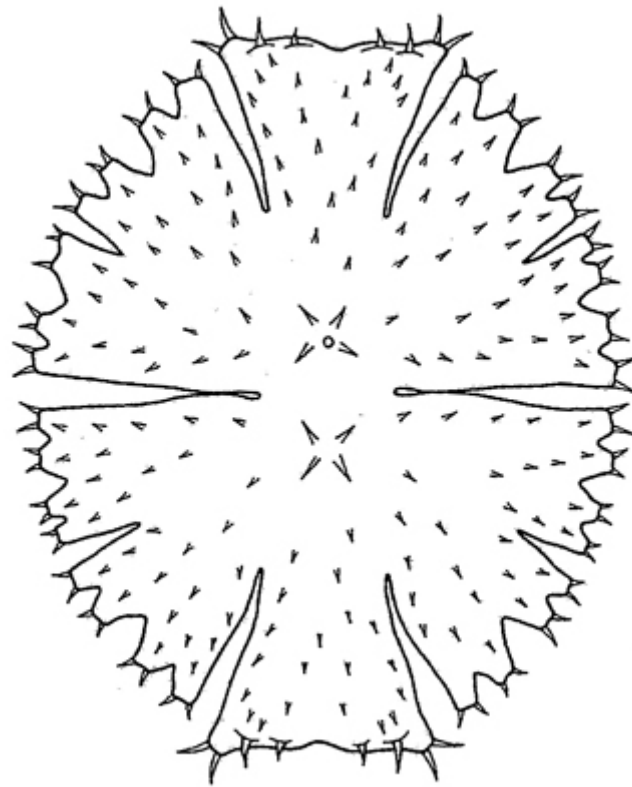
Synonym: n.a.

Sampling location: Holzöster See (Austria), Schwemm (Austria)

Phylogenetic tree: [*Micrasterias apiculata*](#)

Diagnosis:

- cells broad ellipsoid, sinus widened towards margin
- length 120–300 µm
- semi-cells 5 lobed
- lobes deeply constricted
- polar lobes longer than lateral lobes
- all lobed covered with short, conical spines



after Krieger

Micrasterias apiculata

I found *Micrasterias apiculata* in 1995 in the Holzöster See (Austria) and then again in 2003 in the Schwemm (Austria). In my sampling sites in the region of Lake Constance I have not yet been able to find this species.

Micrasterias apiculata is somewhat similar in outline to [Micrasterias papillifera](#). However, *Micrasterias apiculata* has many short spines distributed over the entire surface of the lobes (s. figs. 1 b and 2), whereas [Micrasterias papillifera](#) has them exclusively in rows along the incisions between the lobes.

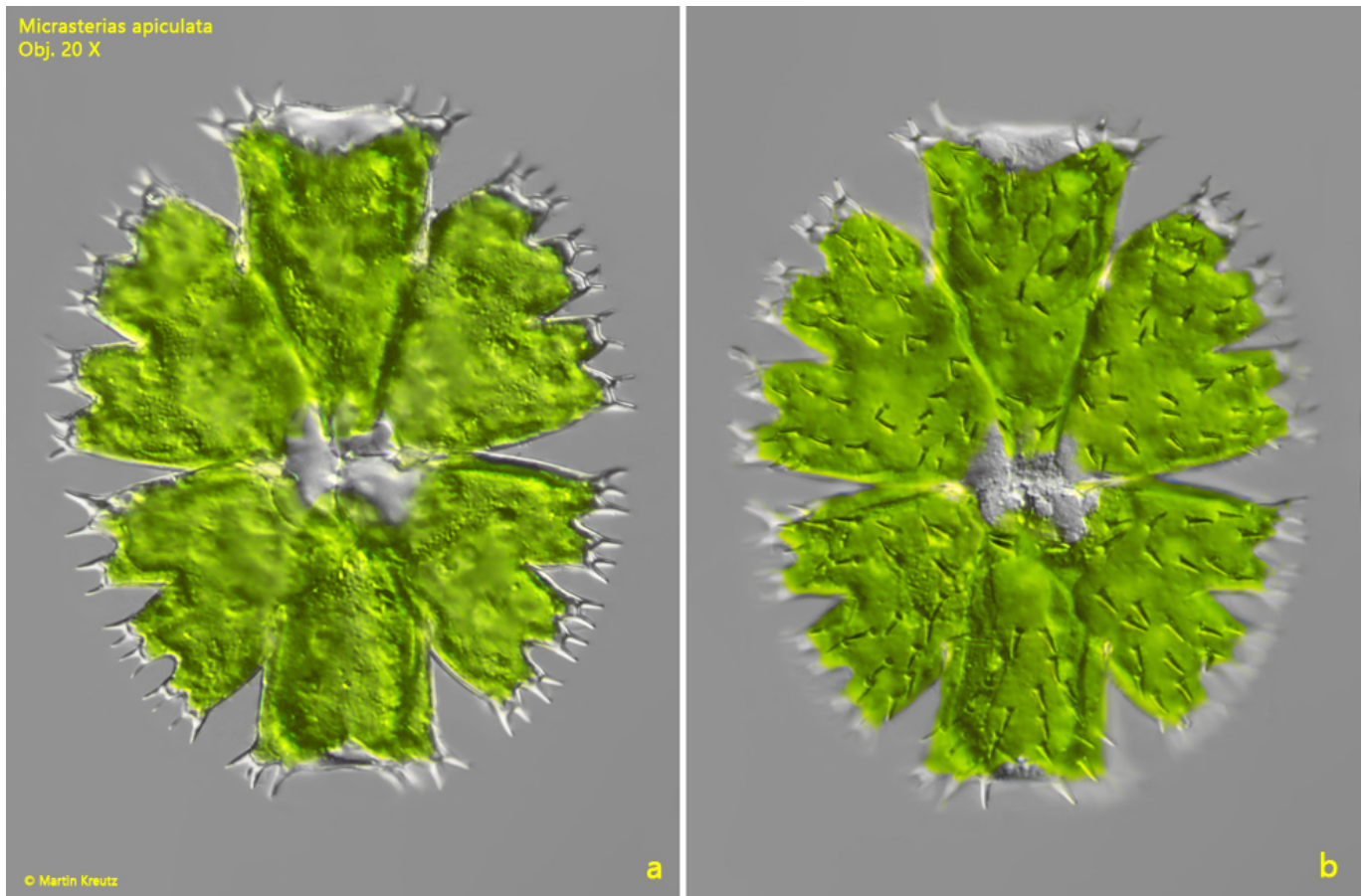


Fig. 1 a-b: *Micrasterias apiculata*. L = 210 μ m. Two focal planes of a specimen found 2003 in the Schwemm (Austria). Note the short spines covering the lobes (b). Obj. 20 X.

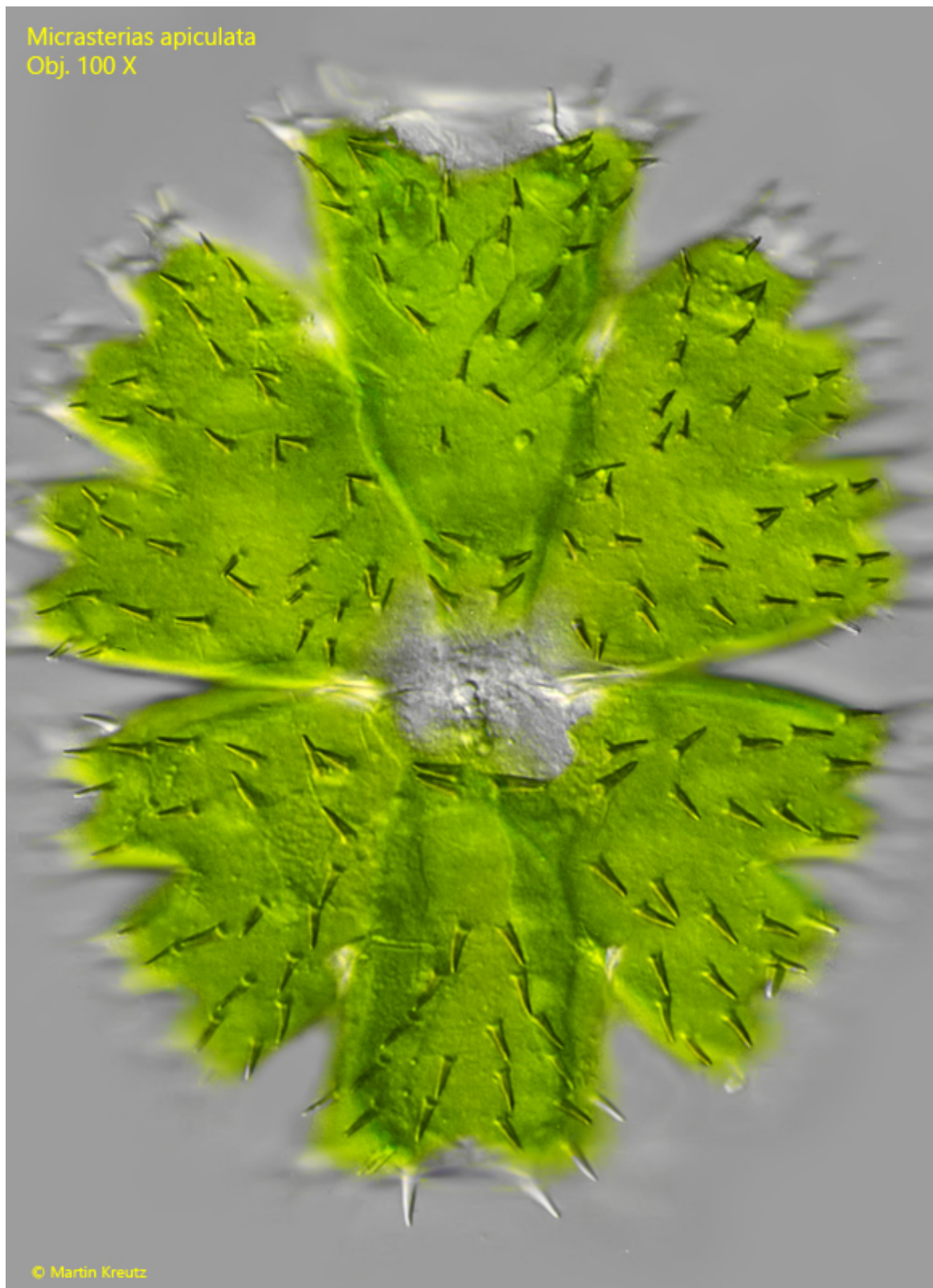


Fig. 2: *Micrasterias apiculata*. L = 210 μm . The spines covering the lobes in detail of the specimen as shown in fig. 1 a-b. Obj. 40 X.

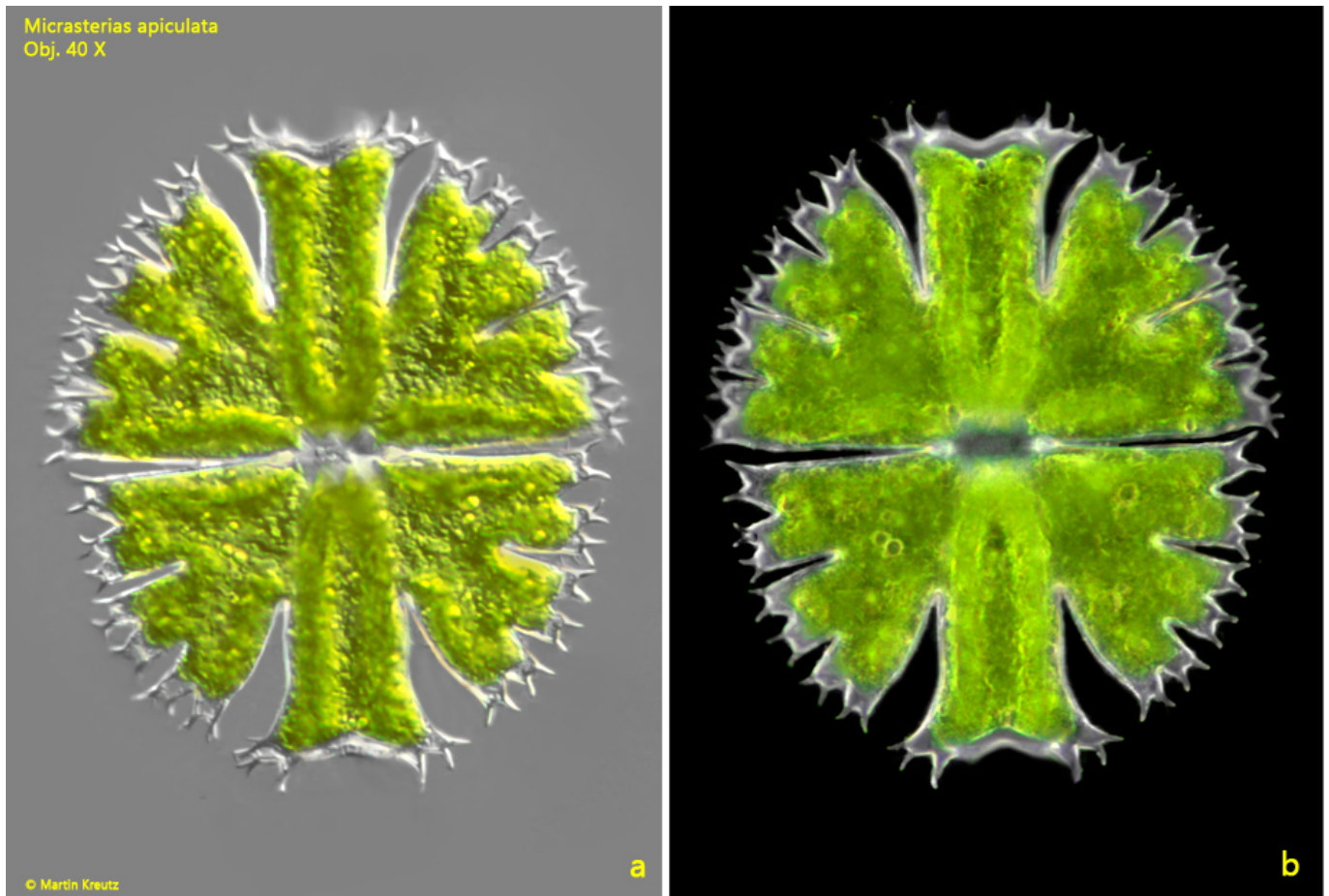


Fig. 3 a-b: *Micrasterias apiculata*. L = 240 μm . A second specimen found 1995 in the Holzöster See (Austria) in DIC (a) and darkfield illumination (b). Obj. 20 X.