Techniques needed and shape

Classification *Descriptive name **Features**

Special requirements



Occurrences

Usual Habitat Similar Species

Description in the Benthic Flora Part II, pages 86-88 **Details of Anatomy**



Phylum: Phaeophyta; Order: Chordariales; Family: Leathesiaceae micro threads

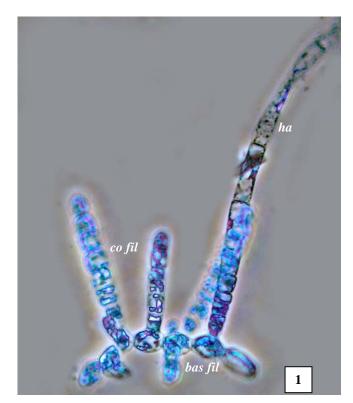
a tiny epiphyte forming spreading patches on the surface of its brown algal host, Leathesia difformis

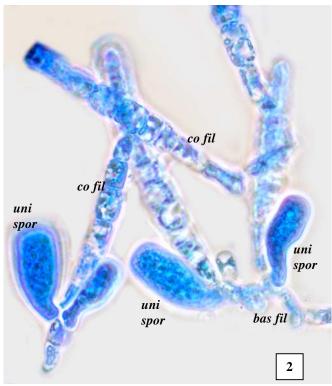
tease out a plant *including* some of its basal threads embedded in the surface

- (cortical) threads of the host and view microscopically branched basal threads that form a thin layer within the host, *unbranched* outer (cortical) threads arising *directly* from the basal threads, mixed with long, colourless hairs
- single-compartmented (unilocular) sporangia attached to the basal threads

only known from Aldinga S. Australia, but possibly more widespread and overlooked because of its size.

in the lower intertidal on the brown alga, Leathesia difformis other Strepsithalia spp and epiphytic members of the Leathesiaceae, (Acrotrichium, Myriactula). Details of the basal and outer (cortical) layers are needed to separate the genera.



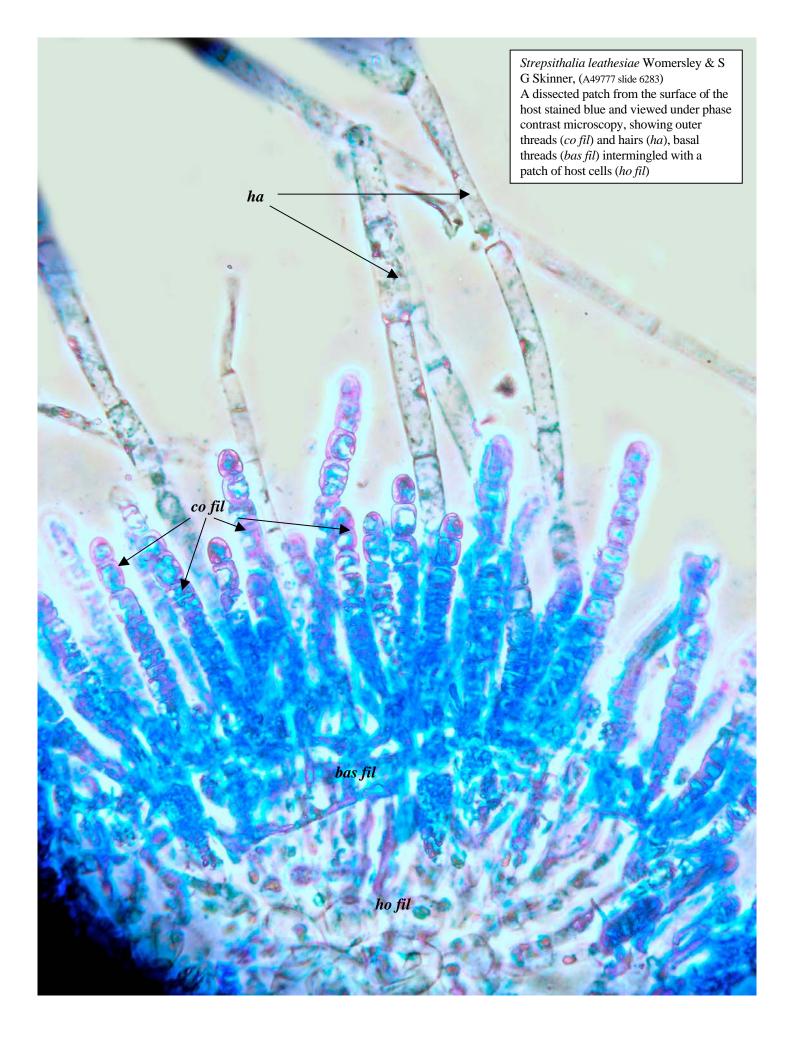


Strepsithalia leathesiae (A49777 slide 6283), dissected from the outer filaments of its host, stained blue and viewed microscopically at different magnifications

- sparsely branched basal thread (bas fil) dissected free of the host's threads; unbranched outer layer threads (cortical filaments, co fil); and a colourless hair (ha) arising directly from the basal threads
- detached threads with club-shaped single-compartmented (unilocular) sporangia, (uni spor), two of which arise directly from the basal threads

^{*} Descriptive names are inventions to aid identification, and are not commonly used

[&]quot;Algae Revealed" R N Baldock, S Australian State Herbarium, January 2007



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