Gononema ramosum (Skottsberg) Kuckuck & Skottsberg in Skottsberg

A SPECIES WITH FEW RECORDS

34.000

Techniques needed and plant shape

Classification Phylum: Phaeophyta; Order:Ectocarpales; Family: Ectocarpaceae

***Descriptive name** pit tufts

Features the plant body consists of tufts of threads protruding from the pits (cryptostomata) of the sac-like brown alga, *Adenocystis*

Special requirements

view microscopically the ***tufts*** protruding from the pores in the surface of the host *Adenocystis* to find

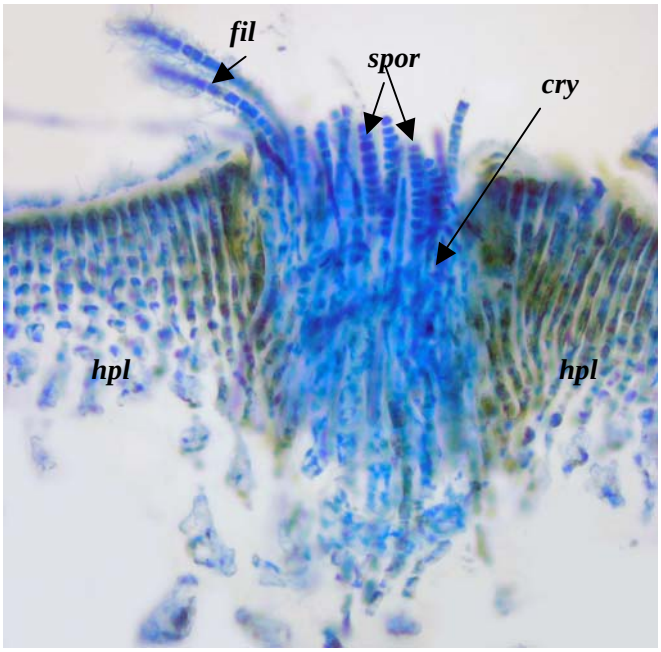
- ***unbranched*** threads with brown plastids
- elongate, stalkless (sessile) spore sacs with many (***plurilocular***) compartments in one or occasionally two rows

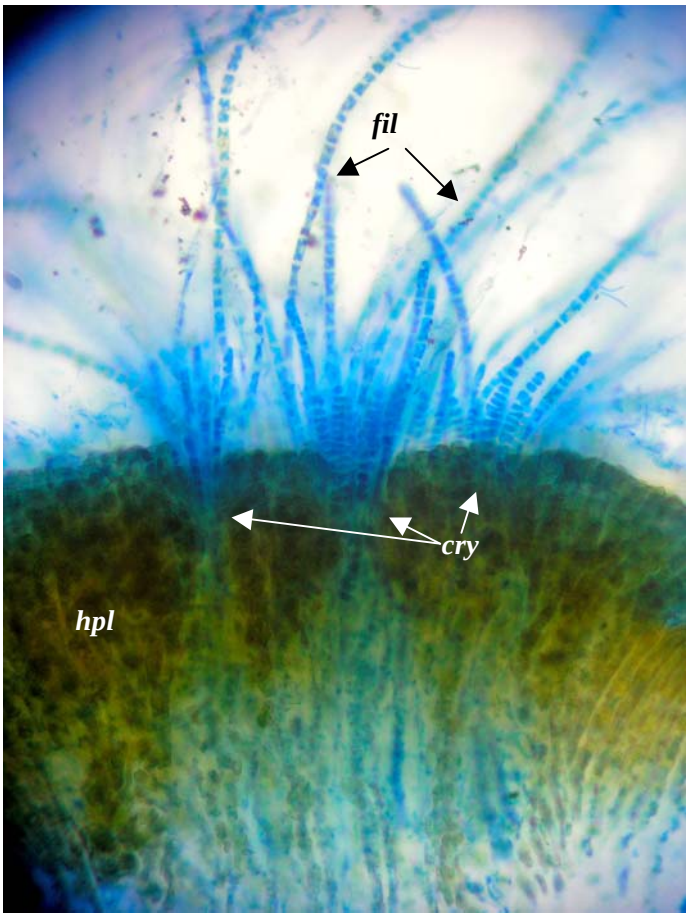
Occurrences from southern S. America, but in Australia, only known from Port Arthur, Tasmania, probably more widespread but unobserved because of its cryptic nature

Usual Habitat attached only on *Adenocystis* in the mid-intertidal

Description in the Benthic Flora Part II, pages 55, 57-58

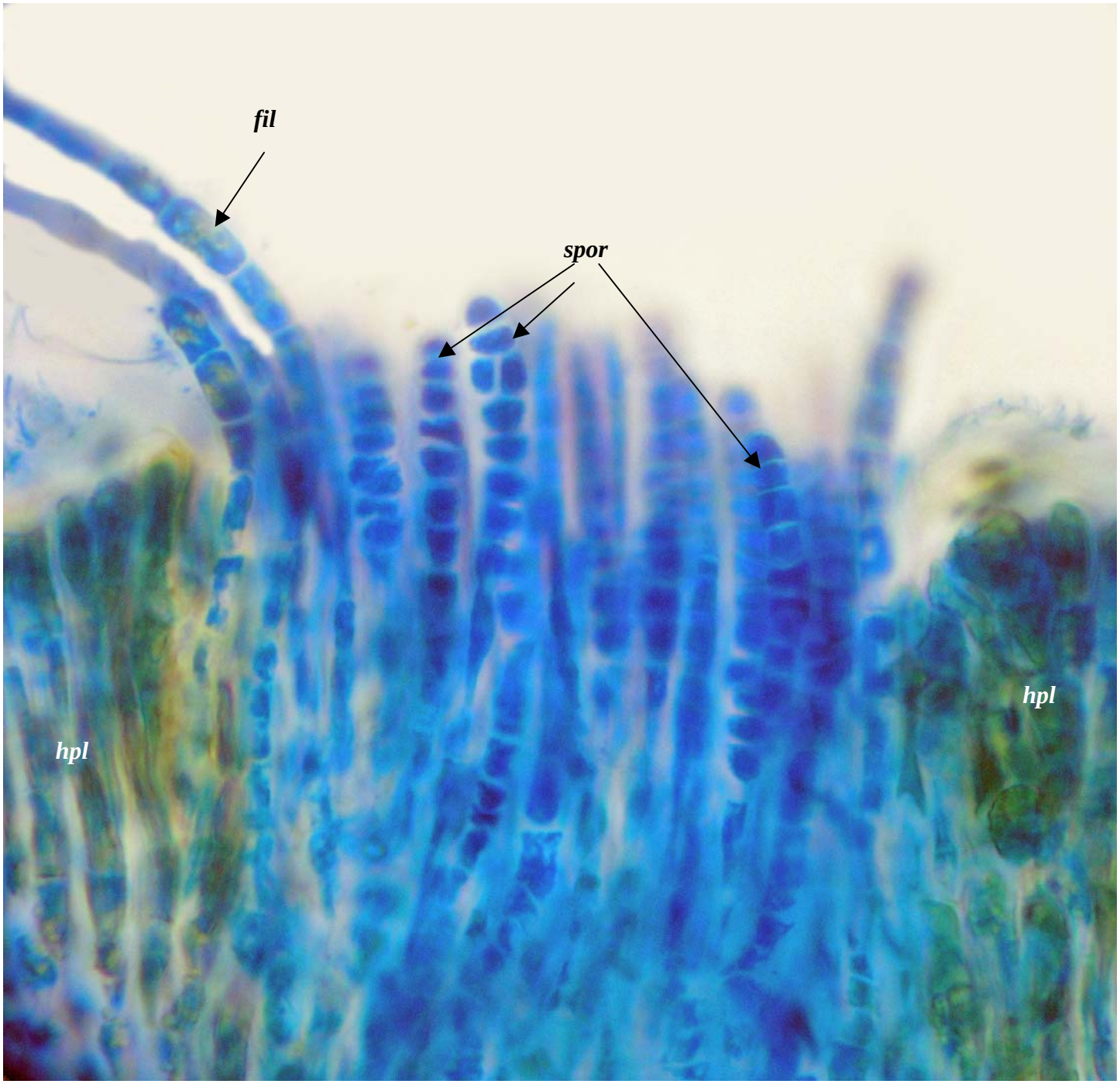
Details of Anatomy





Microscope images of cross sections stained blue of the host plant (*hpl*) *Adenocystis* through its pores (cryptostomata, *cry*) showing the emergent photosynthetic threads (assimilatory filaments, *fil*) and sporangia (*spor*) of *Gononema ramosus* (A55953, slide 8954)

* Descriptive names are inventions to aid identification, and are not commonly used
"Algae Revealed" R N Baldock, S Australian State Herbarium, August 2005



Highly magnified image of a cross section stained blue of the host plant (*hpl***)**, *Adenocystis* through its pores showing the emergent photosynthetic threads (assimilatory filaments, *fil*) and stalkless sporangia (*spo**r***) with one or 2-rows of compartments of *Gononema ramosum* (A55953, slide 8954)

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