Techniques needed and plant shape

Classification

*Descriptive name

Features

Phylum: Phaeophyta; Order: Ectocarpales; Family: Ectocarpaceae

pit tufts

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

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

Special requirements

Occurrences

Usual Habitat

* *Gononema ramosum* (Skottsberg) Kuckuck & Skottsberg in Skottsberg

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 (*spor*) with one or 2-rows of compartments of *Gononema ramosum* (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