## Gelidiella antipai Celan

Techniques needed and shape

Classification \*Descriptive name Features



Occurrences

**Special requirements** 



Usual Habitat Similar Species



Phylum: Rhodophyta; Order: Gelidiales; Family: Gelidiellaceae micro-turf alga

minute red-brown turf mixed with other turf species, on rock or shells
upright branches are slightly flattened, about 2mm tall growing in usually *unbranched* clumps from a runner (stolon)

from the Black Sea, Mediterranean, Pacific Mexico and S Africa. In southern Australia, from Topgallant I. to Kangaroo I., S. Australia, and possibly more widespread, but overlooked

1. View the tips of branches microscopically to find:

- single apical cells forming a central thread
- slightly swollen sporangial regions (stichidia) near the tips, with tetrasporangia in rows of 4

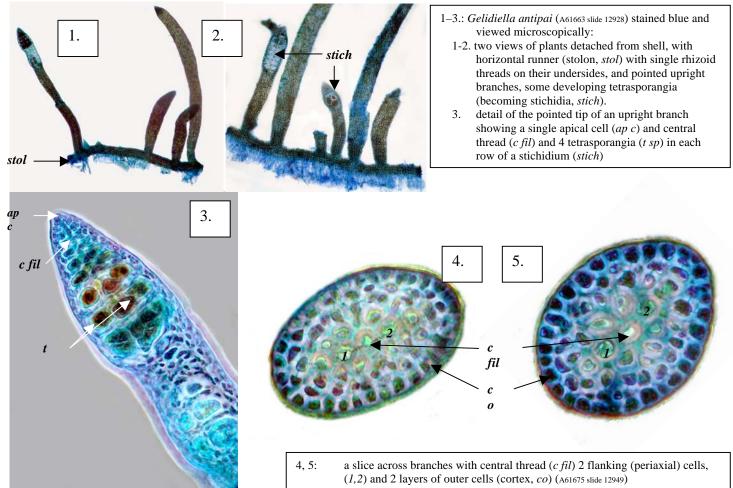
2. If possible, cut across a branch to view microscopically the

- persistent central thread
- 2 (to 4) flanking (periaxial) cells generating cells to the sides so that the section is slightly flattened
- an outer layer (cortex) of smaller cells

on rock and shell, amongst other turf *Pterocladiella minima*, which has shorter but broader upright branches and sporangia in double rows of 4-7

Description in the Benthic Flora Part IIIA, pages 120, 123-4

## **Details of Anatomy**



\* Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium, September 2007



Gelidiella antipai Celan, (A61675) 10m deep on Haliotis shell from Wedge I., S



*Gelidiella antipai* Celan, stained blue and viewed microscopically, showing branched upright parts from a horizontal runner, and surface cells (A61663 slide 12927)

\* Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium, September 2007