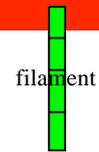




MICRO  
PLANT



## Techniques needed and plant shape

## Classification

Phylum: Rhodophyta; Order: Ceramiales;  
Family: Ceramiaceae; Tribe: Crouanieae

## \*Descriptive name

banded threads

## Features

## Special requirements



plants on bryozoans and shells, tiny, about 20mm tall, of faintly banded threads  
view microscopically to find:



- upright threads of **naked** cells, relatively long in lower plant parts each with **well-separated** rings of 3 short, tufted whorl branchlets forked 4-6 times, bending upwards, ending in a **rounded** cell often tipped with a fine hair
- **stalkless** tetrasporangia on lower whorl branchlets, tetrahedrally divided (material not available for these sheets)

## Occurrences

known only from Simpson Bay, Bruny I. and Tinderbox, Tasmania  
growing on bryozoan corals and shells, 6-11m deep

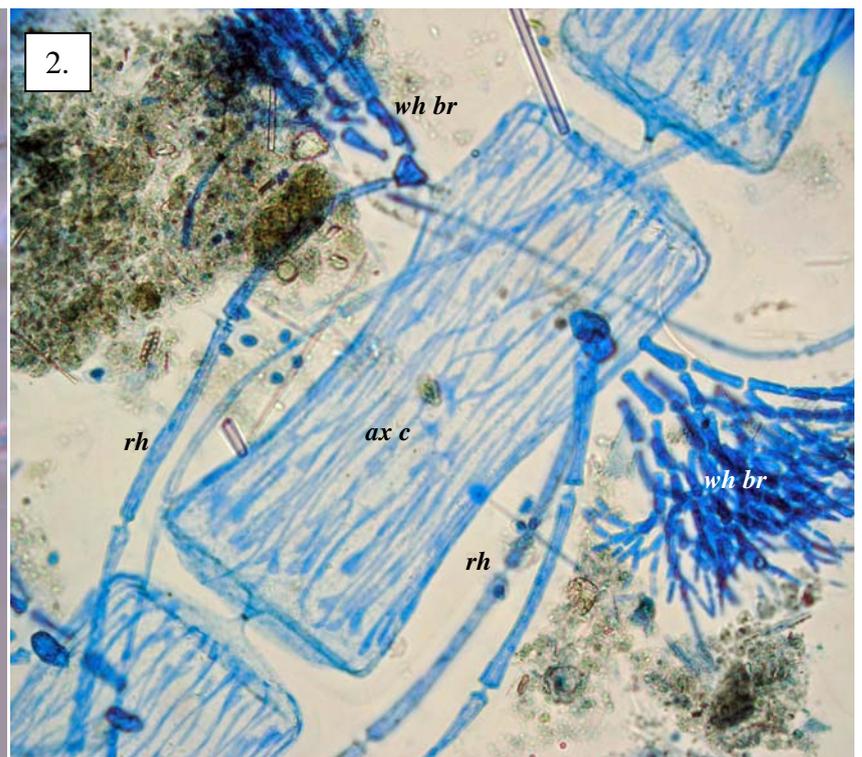
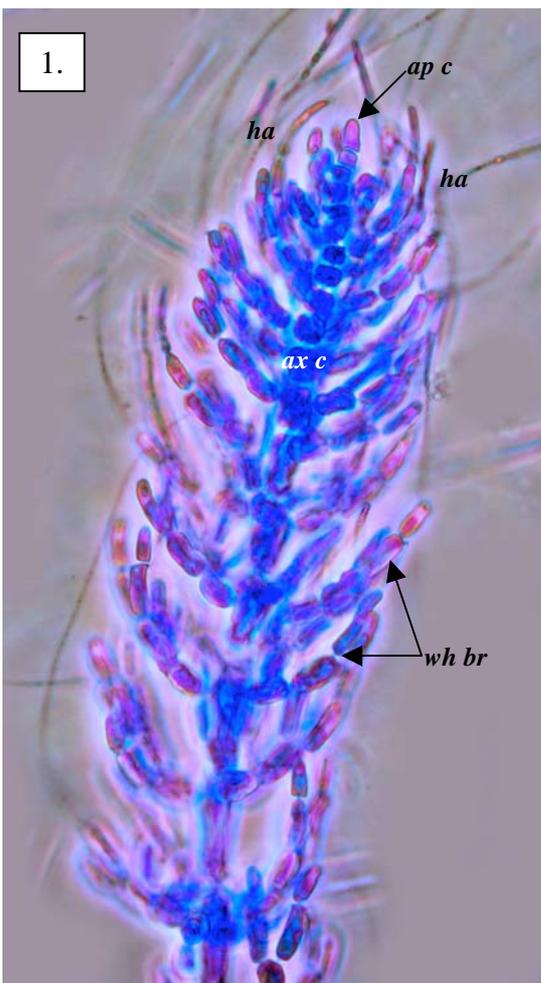
## Usual Habitat

## Similar Species

*Couania robbii*, but that species has shorter axial cells and longer whorl branchlets in rings that are closer together

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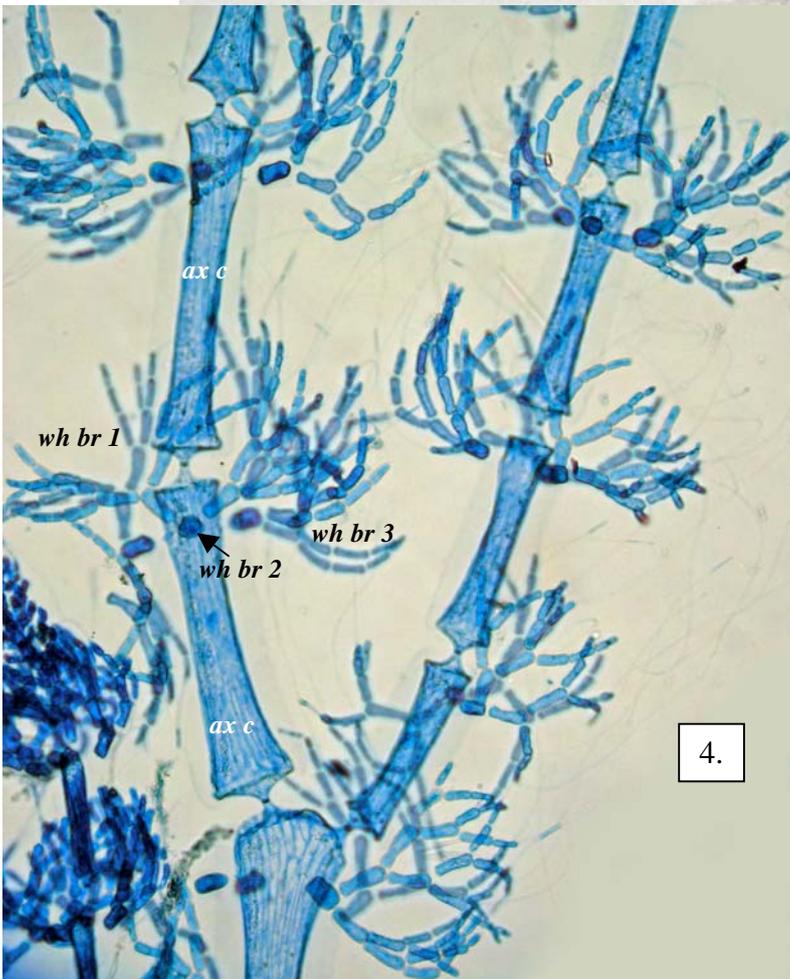
## Details of Anatomy



*Crouania brunyana* (A41616 slide 4287) stained blue and viewed microscopically:

1. plant tip with axial cells (*ax c*), young whorl branchlets (*wh br*) and rounded apical cells (*ap c*), some tipped with a hair (*ha*)
2. a mature branch showing 2 of the 3 whorl branchlets in a single ring, with rhizoids (*rh*) produced from their basal cells

3.



4.

3. *Crouania brunyana* E M Wollaston (A41616) from Bruny I., Tasmania
4. specimen (A41616 slide 4287) stained blue and viewed microscopically showing elongate axial cells (*ax c*) and rings of 3 whorl branchlets (*wh br 1,2,3*) well separated from each other