Bangia atropurpurea subsp. atropurpurea (Roth) C Agardh

Techniques needed and plant shape

Classification

*Descriptive name

Phylum: Rhodophyta; Order: Bangiales; Family: Bangiaceae



Features Occurrences Usual Habitat

Special requirements



dark red threads

plants consist of unbranched, *fine, red-brown threads* attached to hard surfaces worldwide in temperate waters. In Australia, from Freemantle, W Australia to S Queensland on mid intertidal rock or timber

MICRO

view the threads microscopically to find:

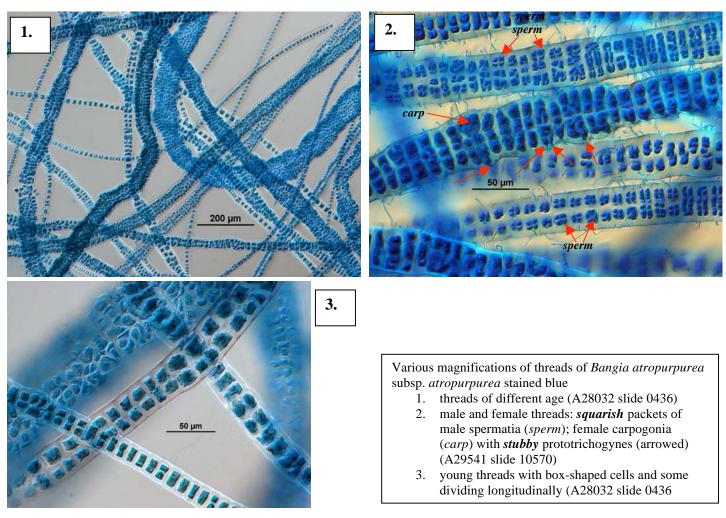
- 1. threads are initially *unbranched* with single lines of cells 0.5- 1.5 times long as *broad*. Cells divide longitudinally several times forming outward facing cell clusters
- 2. cells of threads have a common and *thick* sheath.
- 3. female plants have fertile cells (carpogonia) some of which show *beaked* protrusions (prototrichogynes) for capturing spermatia.
- 4. the products of fertilisation (carposporangia) occur in packets of 8-16
- 5. male plants have spermatia in *squarish* packets of 16-64.

Similar Species

Bangia atropurpurea subsp. *brevisegmenta*, but that species is found *lower* in the intertidal *on mussel shells*. Spermatia are also in *elongate* packets.

Description in the Benthic Flora Part IIIA, pages 32, 34, 36

Details of Anatomy



* Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium January 2010



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