

cup threads

*Descriptive name **Features**

Special requirements

Occurrences

Usual Habitat

Similar Species



plants red forming a dense fuzzy coating to 10mm tall on the articulated coralline, Haliptilon

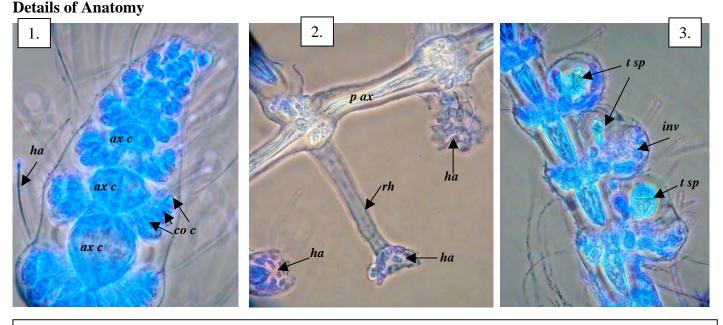
view microscopically to find:

• horizontal (prostrate) threads attached to Haliptilon by bunches of rhizoids ending in *many-celled* attachment pads (haptera) and upright threads of elongate cells, *naked* except for dense *cup-shaped rings* (cortication) of small-celled branches divided 2-3 times upwards (acropetally), ending in fine hairs

- stalkless tetrasporangia with large sheaths, divided tetrahedrally, initially on *one side* of the cup-shaped rings, later in a complete ring, corticating branches forming a wrapping or *involucre*
- masses of spores (carposporangia) the product of fertilisation forming part-way along the upright threads in the fork of several branches

D'Estrees Bay, Kangaroo I., S. Australia, and Port Phillip Bay, Victoria growing (epiphytic) on Haliptilon roseum in pools at the reef edge and possibly also on Corallina repens

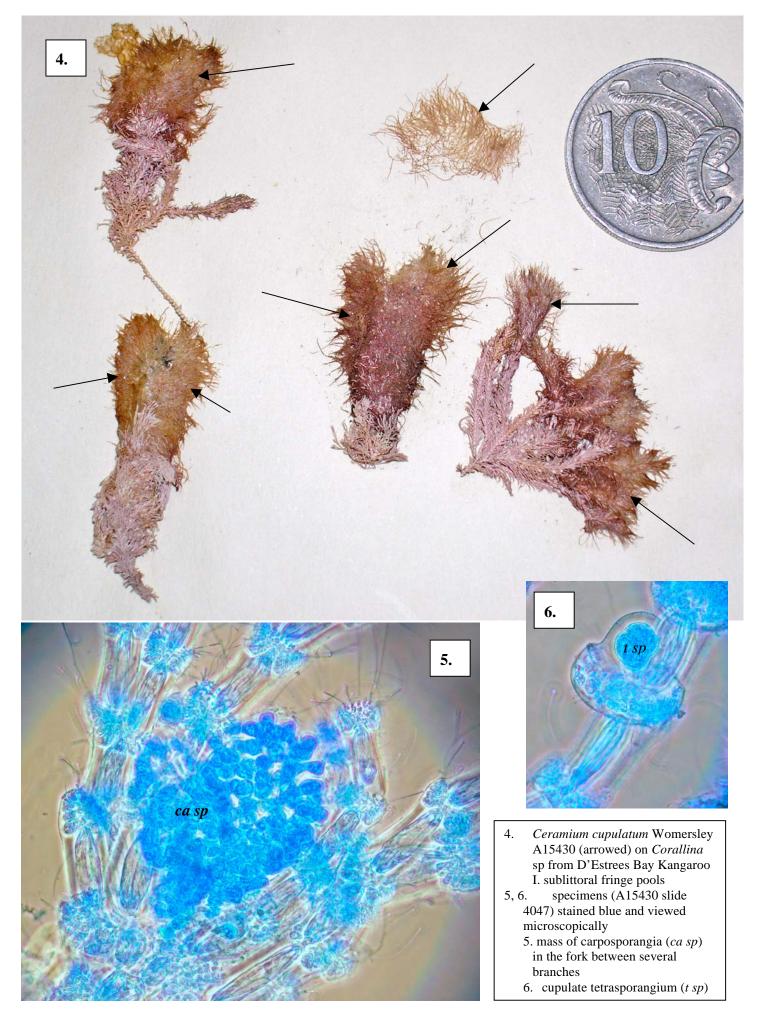
Ceramium filiculum has similar rhizoids, but corticating branches develop upwards and down-wards, and that species grows on large brown algae **Description in the Benthic Flora** Part IIIC, pages 405-408



Ceramium cupulatum (A15430 slide 4047) stained blue and viewed microscopically to show:

- 1. upright thread near its tip, with axial cells (ax c) and rings of corticating cells(co c) branching 2-3 times *upwards only*, ending in hairs (*ha*)
- 2. prostrate thread (p ax) with attachment rhizoid (rh) ending in many-celled attachment disc (hapteron, ha)
- 3. tetrasporangia (t sp) on one side of the axis, wrapped in an *involucre* (inv) formed by extended division of the corticating branches

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



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