Apjohnia laetevirens (Linnaeus) Greville

Techniques needed	MACRO PLANT
Classification	Phylum: Chlorophyta; Order: Cladophorales; Family: Cladophoraceae
*Descriptive name	palm tree alga; [§] green brushweed
Features	<i>stalk</i> (stipe) <i>trunk-like</i> with a stiff branching pattern in mature plants similar to the canopy of a palm tree or brush bristles
Occurrences Usual Habitat	throughout southern Australia to S NSW often common in shaded rock pools to 16m deep
Variations	 denuded or young plants may exist only as clumps of upright stalks, but usually characteristic <i>rings</i> are present on the stalks. cell surfaces are often <i>scaly</i>, coated with encrusting, pinkish coralline algae.
Special requirements	 cells are large with many nuclei (a condition called <i>coenocytic</i>) chloroplasts are numerous, crowded and <i>disc-shaped</i>
Similar Species	distinctive even when young (lacking a branching "canopy") because of the relatively large, stiff cells with shiny surface and basal rings on branches.

Description in the Benthic Flora Part I, pages 181-3

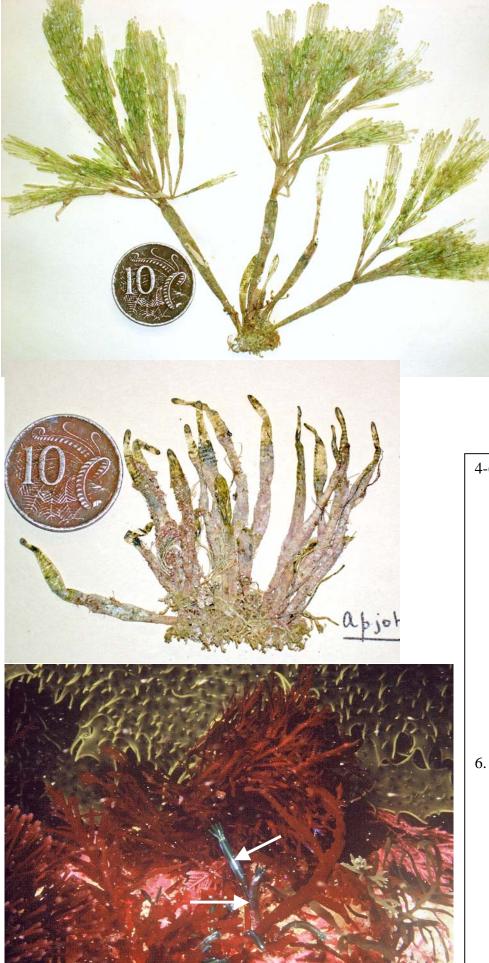
Details of Anatomy



1-3. specimens of Apjohnia laetevirens from the Althorpe Islands, (A70553)

- 1. a whole plant showing the tree-like pattern of growth
- 2. detail of the branching pattern of a specimen showing the rigid branches and shiny surface
- 3. bases of branches of a specimen showing the characteristic rings (annuli)

"Algae Revealed" R N Baldock, S Australian State Herbarium, October 2003, additions made June 2006, March 2009



- 4-6. Specimens of *Apjohnia laetevirens* Harvey from S Australia
 - 4. from D'Estrees Bay Kangaroo Island, (A12706b), in deeper reef pools showing the branching pattern of a mature plant.
 - 5. from Vivonne Bay, Kangaroo Island, (A6750b) in outer reef pools showing unbranched basal stalks.
 - young or regenerating plants(arrowed) growing amongst red and brown algae, showing the characteristic metallic sheen of living plants and basal stalks just commencing new growth at their tips Image : D Muirhead, 2006