

Cross sections of Rhodymenia cuneata stained blue and viewed microscopically

1. blade with narrow outer layers (cortex, *co*) of small cells and core of 2 irregular rows of *large*, relatively thick-walled cells mixed with smaller ones and some spaces between cells (A61375 slide 1234)

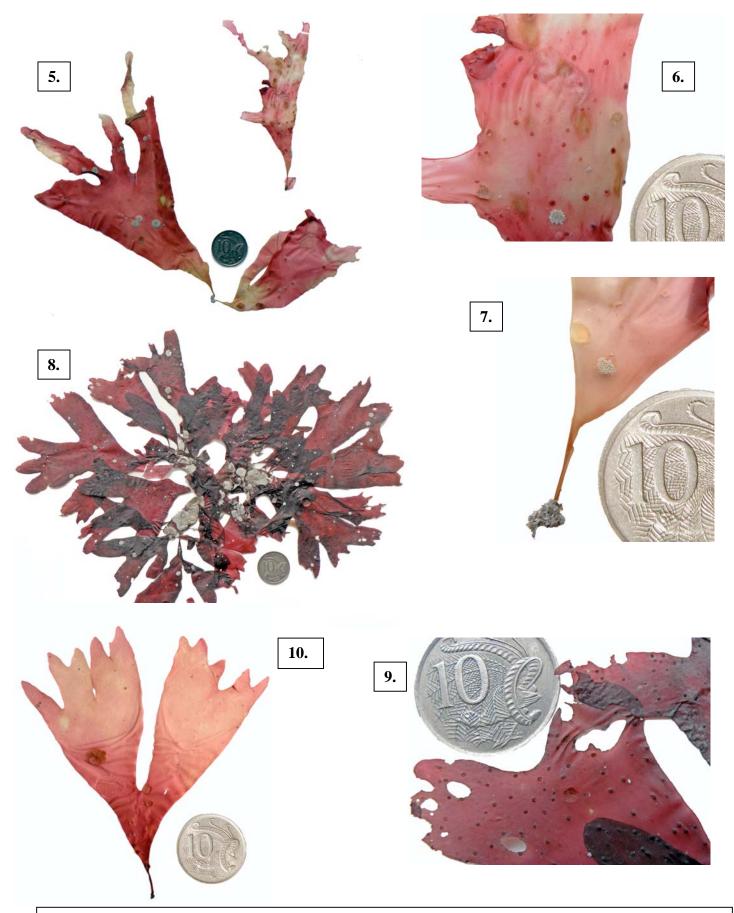
2. basal stalk with larger medulla (A42162 slide 14334)

3, 4. cystocarps protruding from blades (*bl*) with central masses of carposporangia (*ca sp*) attached to basal nutritive tissue (*nutr fil*), cellular wall (pericarp, *peri*) of rows of small cells and depressed opening (ostiole, *ost*) (A61375 slide 12342 & A64252 slide 15222 respectively)

[§]name used by Edgar, G (2008) in Australian Marine Life (2nd ed.).

*Descriptive names are inventions to aid identification, and are not commonly used

"Algae Revealed", R N Baldock, S Australian State Herbarium November 2010



Variations in shape of Rhodymenia cuneata Harvey from Tasmania

- 5-7. on the gastropod *Maoriculpus roseus*, 12m deep, from Sloping I., Frederick Henry Bay, Tasman Pen., (A61375) showing, at different magnifications, tattered, wedge-shaped lobes speckled with mature female structures (cystocarps) and narrow basal stalk
- 8, 9. two magnifications of a plant 2-5m deep, Sarah I., Bathurst Channel showing many broad lobes and detail of cystocarps on lobes with holes (A64252)
- 10. from 19m deep, Great Taylor Bay, Bruny I., showing a wedge-shaped blade divided into lobes (A64252)

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