

**Techniques needed and shape**



**Classification**

Division: Rhodophyta; Family: Delesseriaceae; Tribe: Nitophylloideae  
Group: *Phycodrys*

**\*Descriptive name**

Toothed Cellophane Plant

**Features**



1. pale to dark red colour  
2. well developed stalk and



midline **vein** with **thin** flanges  
(wings) in **upper** parts, **ruffled**  
at the edges

3. wing edges **finely toothed**

4. tetrasporangia in scattered  
patches (sori) or in small **disc-  
shaped bladelets** arising from  
the surface of branches

**Variations**

flanges may be eroded, leaving only the stalk-like mid-ribs

**Special requirements**



1. wings are a single cell thick at first, but become many cells thick when mature

2. growth occurs from a single apical cell (difficult to locate in grazed specimens)

**Usual Habitat**

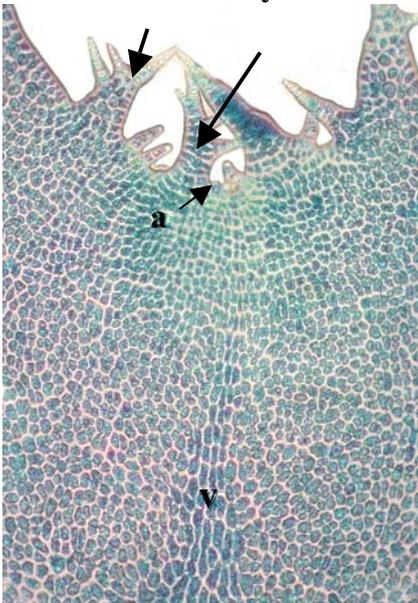
on rock, often in relatively shallow but shaded areas, from central W Australia to SE of S Australia

**Similar Species**

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**Description in the Benthic Flora Part IIID, page 69-71**

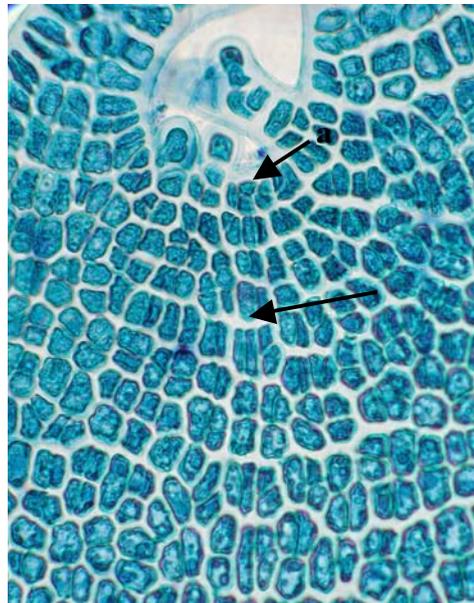
**Details of Anatomy**



**Above:**Detail of a branch tip showing the

1. apical region (**a**)
2. branched teeth at the edge (arrowed)
3. developing midline vein (**v**)

14411

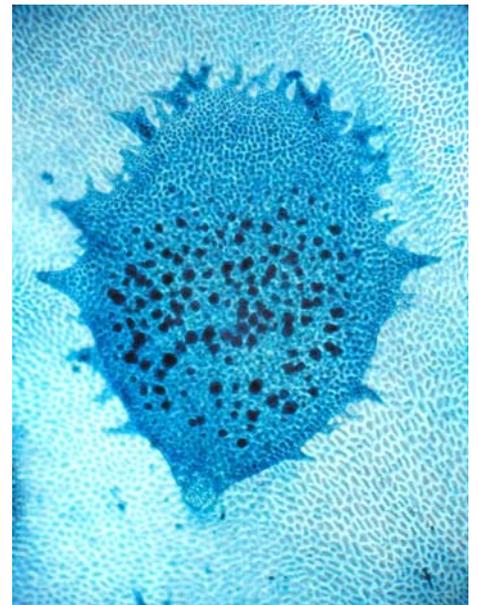


**Above, centre:**

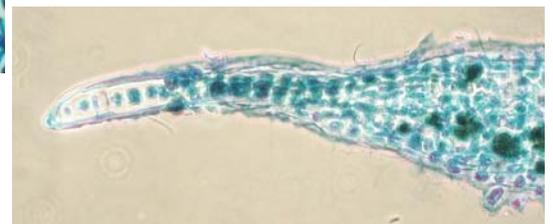
Detail of the tip of a plant showing:

1. an obscure apical cell (**a**)
2. a filament of cells that becomes the midline vein (arrowed)

14441



**Above:** View of a winged section of a branch showing a disc-shaped bladelet bearing tetrasporangia arising from the surface 19125



**Above, right:**

Section across a branch showing the margin 1-celled thick. The central region is many-cells thick and tetrasporangia are developing in patches

17894



*Heterodoxia denticulata*

A6876a Vivonne Bay  
KANGAROO IS.  
Cast up.



*Heterodoxia denticulata* (Kuntze) J Agardh,  
A30967, a drift plant from Seal Bay,  
Kangaroo I., S. Australia

\* Descriptive names are inventions to aid identification, and are not commonly used  
Prepared March 2003; additions August 2007