

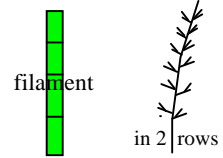
# *Bryopsis gemellipara*

J Agardh

50.670



MACRO PLANT



## Techniques needed and shape

## Classification

Phylum: Chlorophyta; Order: Bryopsidales; Family: Bryopsidaceae

## \*Descriptive name

tufted tips; § feather bryopsis

## Features

1. plants bright green, shining when dry, 50–200mm tall
2. several upright stalks (axes) arise from basal, branching rhizoids.
3. *short* side branches are *numerous*, arranged *in 2 rows* ending in tufts of *radially* arranged ultimate branches (ramuli)
4. stalks are often denuded below, ramuli can be arranged *in 2 rows* of some plants growing on rock



## Variations

## Special requirements:



1. view the rarely-divided (*coenocytic*) filaments microscopically
2. measure the main stalks (axes): they should be *1.0 – 1.5mm* across

## Occurrences

from Streaky Bay, S. Australia, to Victoria and around Tasmania

## Usual Habitat

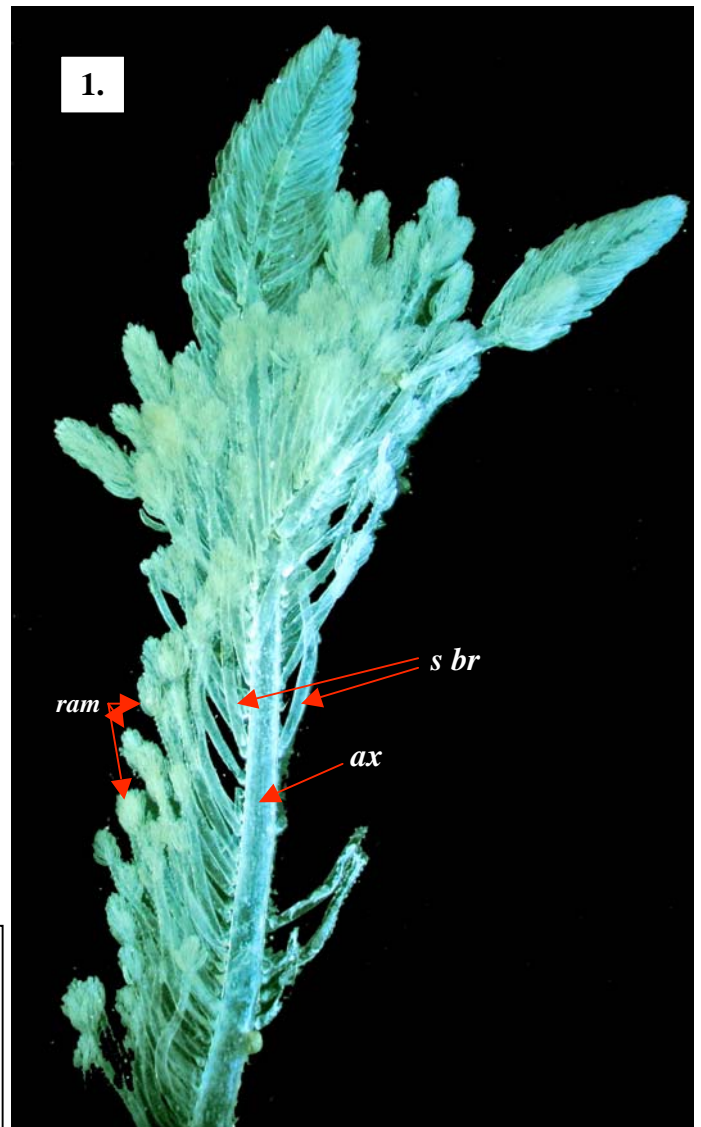
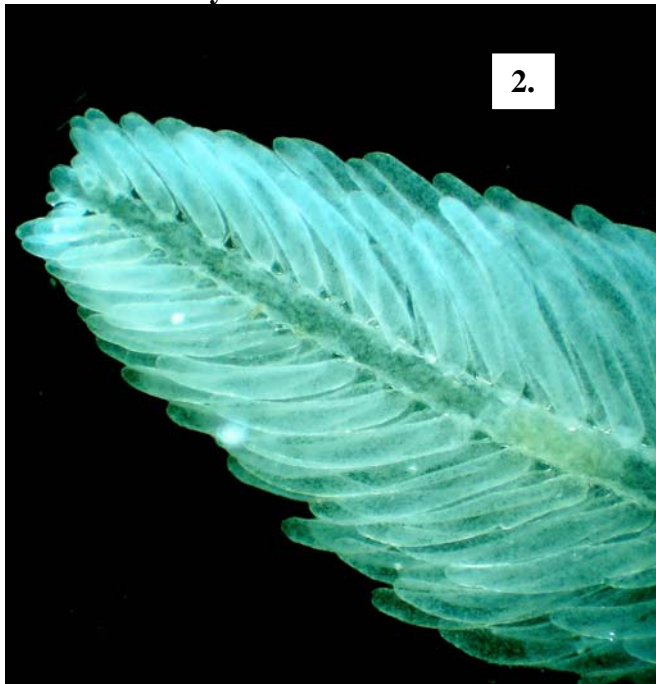
growing *on other plants*, occasionally on intertidal rock of rough coasts, to 8m

## Similar Species

*Bryopsis foliosa* from SW W. Australia, where ramuli arise in 2 rows, but that species has denser branching. *Bryopsis vestita* is also similar but in that species side branches arise radially.

Description in the Benthic Flora Part I, pages 284-287

## Details of Anatomy



Preserved (bleached) specimens, from Robe, S. Australia (A1100)

1. stalk (axis, *ax*), showing 2-sided arrangement of side branches (*s br*) tipped with dense tufts of dense, radially arranged ultimate branches (ramuli, *ram*)
2. a variation in ramuli arrangement – two-sided rows of ramuli at a branch tip

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

§ name used in Edgar, G. *Australian Marine Life*, 2nd Ed. (2008)

“Algae Revealed” R N Baldock, S Australian State Herbarium, July 2005

3.



4.



Two plants of *Bryopsis gemellipara* J Agardh from S Australia

- 3. from from Cape Northumberland (A56984)
- 4. from Waldegrave I. showing a definite 2-sided arrangement of side branches tipped with dense ramuli (A44257)

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