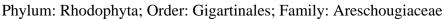
Callophycus harveyanus (J Agardh) Silva

Techniques needed and shape

Classification



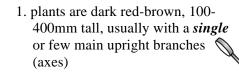
MACRO

red sea fern. § Leafy fishbone

MACRO PLANT

*Descriptive name

Features



2. branches are *compressed* and occur in one flat surface, in two rows of irregular lengths, 3-5mm wide, narrower at the base

Occurrences Special requirements



probably a western species, from Port Denison, W Australia to near Eucla, S Australia

- cut a cross section and view microscopically to find
 - the central core (medulla), a mix of threads, and rhizoids
 - outer layer (cortex) of inner large and outer small cells
- if possible find the products of fertilisation in female plants (cystocarps)
 - forming swellings *just below the tips* of the smaller branches (pinnules)
 - sometimes clustered, each with a microscopic opening (ostiole)
- 3. sporangial and male plants are unknown

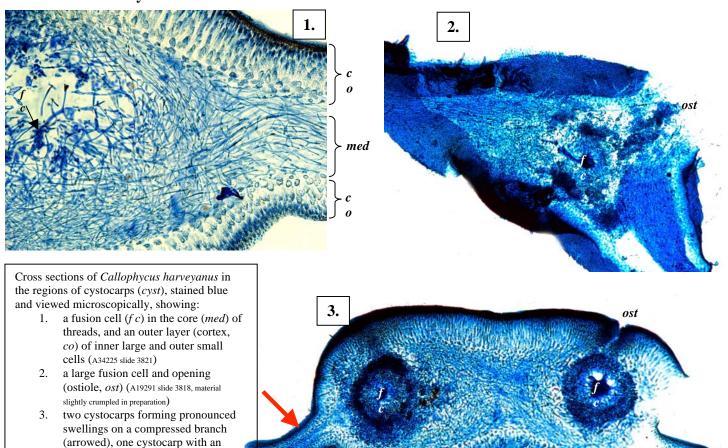
unknown as collections consist of drift plants

Callophycus laxus, but that species has narrower and less regular pinnate branching; and superficially like Pterocladia lucida, but branch ends are fan-shaped and the medulla has rounded cells mixed with thick-walled rhizines

Usual Habitat Similar Species

ostiole (A34225 slide 3820)

Description in the Benthic Flora Part IIIA, pages 334, 337-339 **Details of Anatomy**





Descriptive names are inventions to aid identification, and are not commonly used $\,^{\$}$ name used by Edgar, G (2008) in Australian Marine Life (2nd ed) "Algae Revealed" R N Baldock, S Australian State Herbarium, January 2008