Dictyopteris acrostichoides (J Agardh) Börgesen

Phylum: Phaeophyta; Family: Dictyotaceae; Tribe: Zonarieae

1. plants brown, 100-400mm long, flat-branched, blades forked, narrow, numerous

34.390

Techniques needed and plant shape

Classification

*Descriptive name

Features

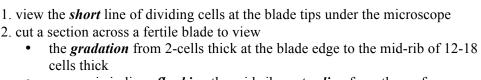
Special requirements



Occurrences **Usual Habitat**

Similar Species

Description in the Benthic Flora Part II, pages 226,228,231 **Details of Anatomy**



2. prominent *mid-rib* vein, side veins *absent* hair tufts generally *scattered*

narrow forktips; §Agardh's forkweed

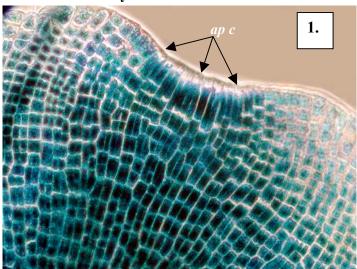
additional blades arising from the mid-rib

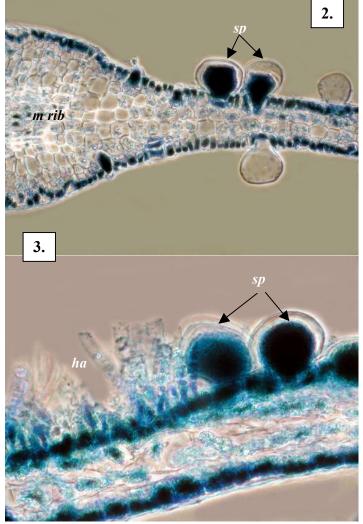
3. sporangia in *lines* flanking the mid-rib

sporangia in lines *flanking* the mid-rib *protruding* from the surface, leaving a sterile edge to the blades

Victoria and N Tasmania, but, peculiarly also E coast Australia to N Queensland in the shallow water

unique because of the proliferation of extra blades from the mid-line





Dictyopteris acrostichoides (A55432 slide 9801) stained blue and viewed microscopically

- 1. the line of several actively dividing apical cells (ap c) from which all other cells are derived
- 2. slice across a blade near the mid-rib (*m rib*) showing the proximity of sporangia (sp) and larger number of cells than the blade edge
- 3. detail of a hair tuft (*ha*) and sporangia protruding from the surface

* 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 2003; edit. Aug. 2013



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