

# *Dilophus fastigiatus*

(Sonder) J. Agardh

Now considered as *Dictyota fastigiata* Sonder



Some workers consider this genus should be sunk into *Dictyota*

34.390

## Techniques needed



## Classification

Division: Phaeophyta; Family: Dictyotaceae; Tribe: Dictyoteae

## \*Descriptive name

Brown Linguini weed (referring to the texture and shape of the blades)

## Features

1. dark brown, flat, **narrow** blades, 3-7mm broad
2. blades have an elastic texture
3. up to **10cm** between forked (dichotomous) branching occurs

## Variations

some basal fringes grow if the plant is heavily grazed

## Special requirements



Diagnosis can be difficult



1. investigate the tips microscopically to find the single apical cell
2. cut a slice across older blades. The middle (medulla) has 2 cell layers (4 in older parts), the outer (cortex) consists of 1 layer of small cells

## Usual Habitat

widespread on hard surfaces up to 21m deep, and often cast up, from southern W Australia to Victoria

## Similar Species

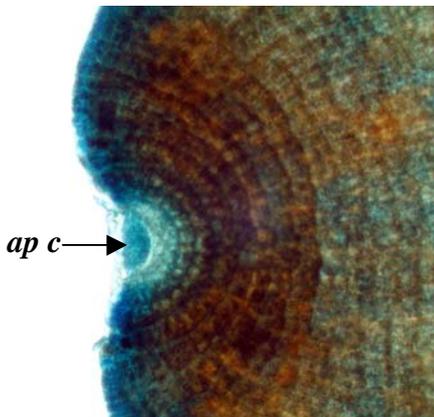


*Dilophus gunnianus*, but blades are narrower and branches closer together towards the tips in this species. Specimens of these 2 species from the West Coast can easily be confused

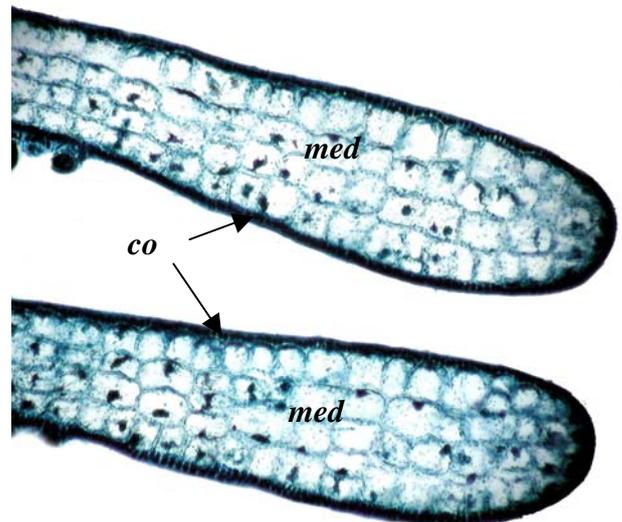
Phillips (1992) included *Dilophus angustus* in *Dilophus fastigiatus*, now *Dictyota fastigiata*

## Description in the Benthic Flora Part II, page 206-208

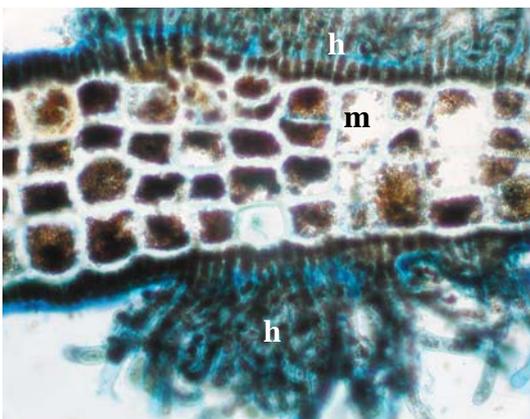
## Details of Anatomy



**Left:**  
Lens-shaped apical cell (*ap c*) in a slight depression 9537



**Above:**  
Cross section of two blade edges. The several layers of large, colourless middle (medulla, *med*) cells and the single layers of small coloured outer (cortical, *co*) cells are visible 9537



**Left:**  
Details of cells in a slice across a blade. The several layers of middle (medulla, *med*) cells can be seen and tufts of multicellular hairs (*h*) on either side of the branch 9537

\* Descriptive names are inventions to aid identification, and are not commonly used  
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*Dilophus fastigiatus* (Sonder) J. Agardh  
A18978, a drift plant from  
Port MacDonnell, S Australia

*Dilophus fastigiatus*