## A SPECIES WITH FEW RECORDS

red Jelly-straps

45.360

Techniques needed and shape

Classification \*Descriptive name Features

**Special requirements** 



make a tissue squash of a branch tip and view microscopically to find
a central core of *loosely* twined threads (medullary filaments), outer layer of tufted threads (cortex filaments) ending in fine threads *protruding* from the surface of the blade

plants consist of flat, red, gelatinous blades, 10-20mm tall, split into lobes, about 5mm

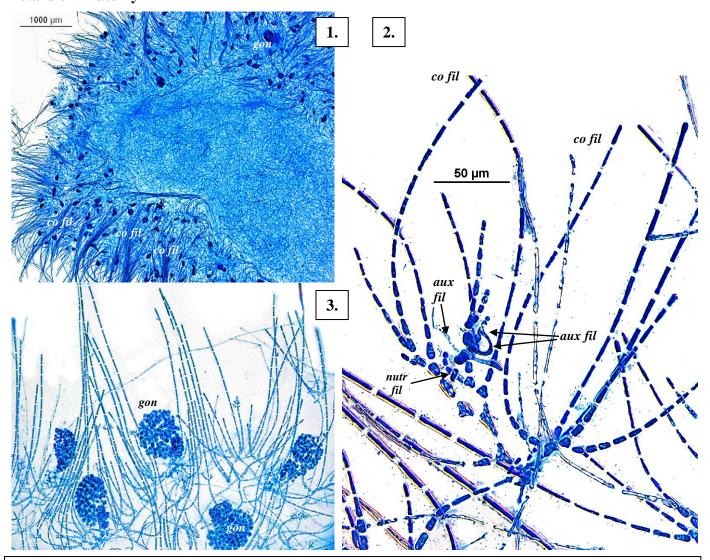
Phylum: Rhodophyta; Order: Gigartinales; Family: Nemastomataceae

foliose

• when fertile, male (spermatangia) and female structures are found on the *same* plants. Young female structures have additional filaments associated with the events at fertilisation, mature stages consist of numerous, scattered, minute balls of spores growing *outwards* in the cortex

Occurrences and Usual Habitat only known from Rottnest I., W. Australia and Pearson I., S. Australia, both 12m deep Description in the Benthic Flora Part IIIA, pages 273-274 Details of Anatomy

thick and 10mm wide



Predaea huismanii (slide 7479): tissue squashes stained blue and viewed microscopically

- 1. core (medulla, *med*) of fine, intertwined threads, outer layers of tufted threads (cortex filaments, *co fil*), dark patches of developing spores (gonimoblast, *gon*)
- 2. female structure just after fertilization: auxiliary cell threads (*aux fil*) that produce the next stage (gonimoblast), adjacent small-celled nutritive threads (*nutr fil*)
- 3. developing gonimoblast (gon)



4.

4.

5.