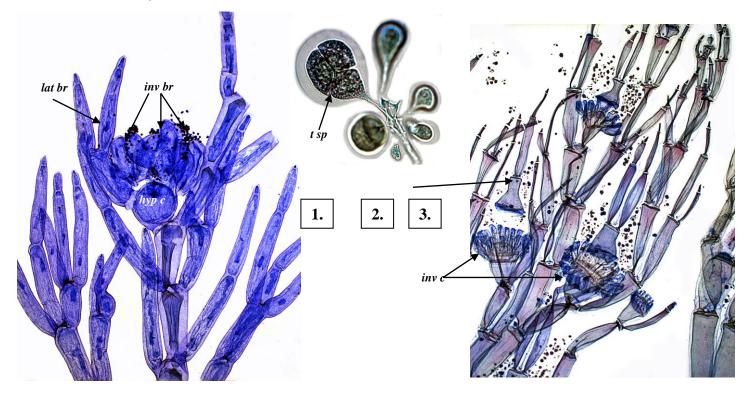


- in male plants: cloud-like masses of spermatangia in minute branchlets in the constrictions of *pairs of swollen cells* near plant tips, a fence-like *ring* (involuce) of cells produced from the lower swollen cell enclosing the spermatangial masses
- in sporangial plants: tetrasporangia in masses of minute branchlets similar to the situation for spermatangia, between *pairs of swollen cells*, the lower swollen cell producing a *fence-like* involucre, the thread above sometimes forked and often shed, a cup-like structure then remaining

denuded specimens resemble Griffithsia teges, but that species has a coarser texture with wider threads

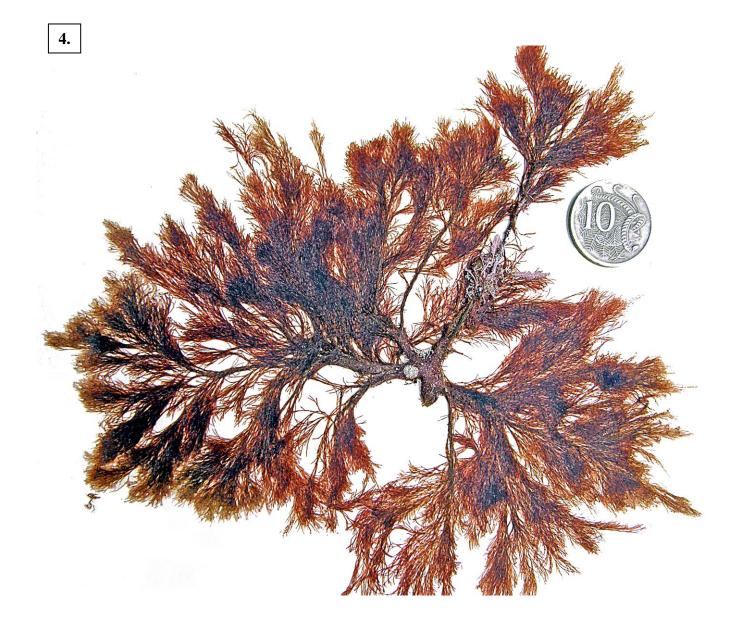
Description in the Benthic Flora Part IIIC, pages 330, 336-338 **Details of Anatomy**



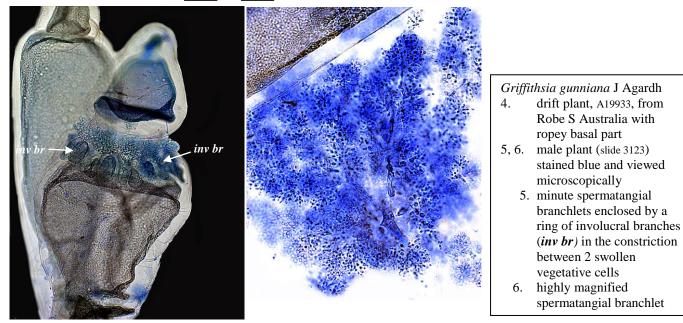
Griffithsia gunniana stained blue and viewed microscopically. (Cell contents may shrink or crease during preparation) 1. female plant: pointed tips, forked threads of cells, mature female structure (cystocarp) producing incurved involucral cells (*inv c*); swollen vegetative cell below (hyp c) producing a vegetative side branch (lat br) (slide 3122)

- 2. detail of a minute tetrasporangial branchlet showing a mature sporangium (t sp)
- 3. sporangial plant: fence-like rings of involucral cells (*inv c*) enclosing microscopic tetrasporangial branchlets (extruded from the constrictions between pairs of swollen cells in this preparation) with the thread above being shed in one case (arrowed) (slide 3123)

Similar Species







* Descriptive names are inventions to aid identification, and are not commonly used "Algae revealed", R N Baldock, State Herbarium, S Australia, December 2007; revised August 2014