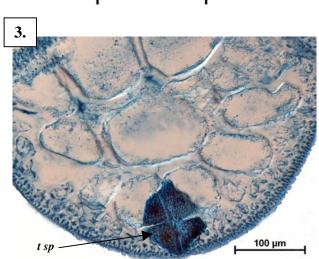


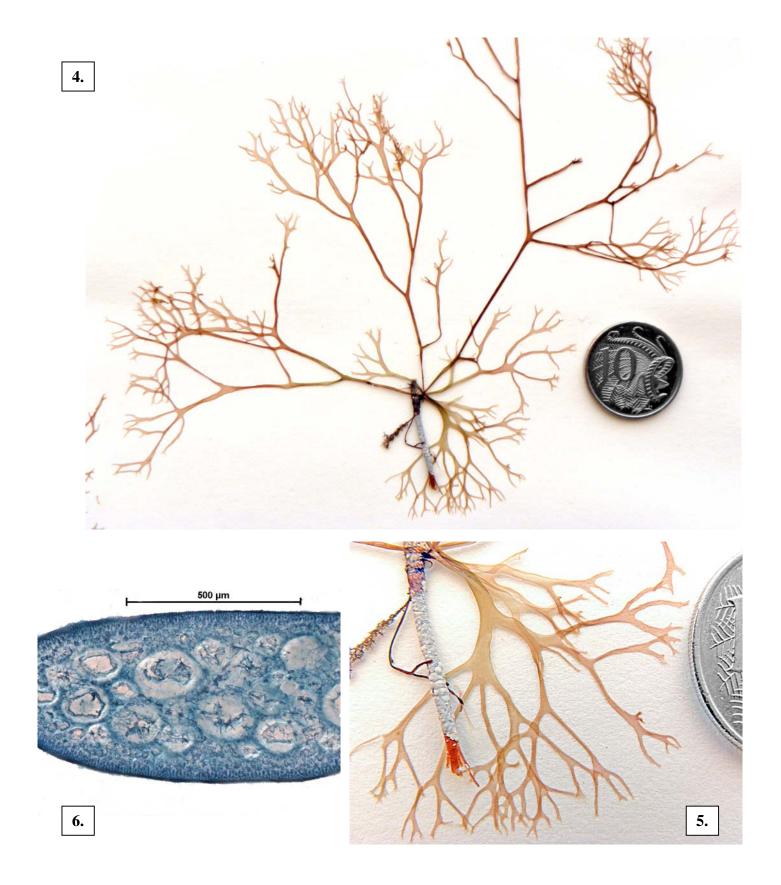
Cross sections of *Hymenocladia filiformis* stained blue and viewed microscopically

- 1. part of a branch showing slight compression, outer thin layer (cortex, *co*) of small cells and large, thick walled cells of the core (medulla, *med*) (A64491 slide 15434)
- 2. mature female structure (cystocarps, *cys*) with cellular wall (pericarp, *peri*), single opening (ostiole, *ost*) prominent nutritive base (*nutr c*) and mass of carposporangia (*ca sp*) (A64490 slide 15433)
- 3. part of a branch with a single cruciately divided tetrasporangium (*t sp*) (A64492 slide 15435)



peri

\*Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed", R N Baldock, S Australian State Herbarium December 2010



Hymenocladia filiformis J Agardh from South Australia

- 4, 5. Two magnifications of a drift plant on a seagrass stem from Cervantes, W Australia showing the narrow forked branching (A64490)
- 6. cross section of a mature branch, stained blue and viewed microscopically to show the mixed sizes of large cells of the core (medulla) (A64492 slide 15436)