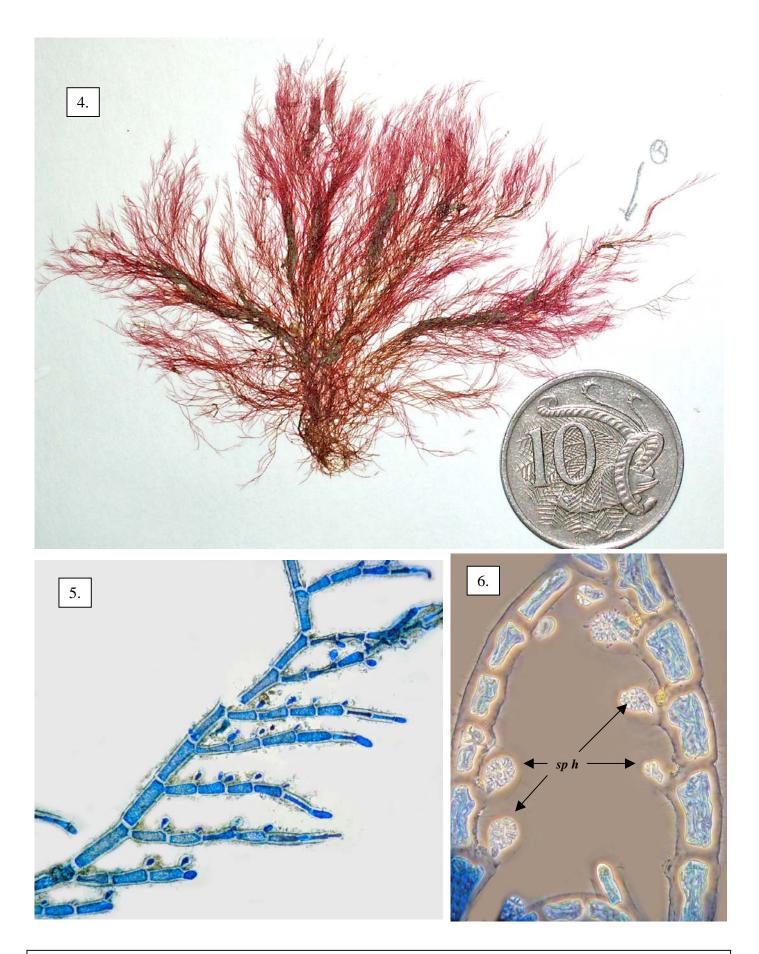


Rhipidothamnion secundum stained blue and viewed microscopically.

- 1. young groups of stalkless tetrasporangia (t sp) (A58706 slide 10703)
- early developments after fertilisation. The 3-celled fertile branch (1,2,3) is still visible, but inner involucral threads (*in inv*) are developing from sterile cells inside the gelatinous sheath (g sh) that enclosed the young female structures (procarp) (A58709 slide 10710)
- 3. final stage after fertilisation. The gelatinous sheath around the procarp has disintegrated, sporangial masses (gonimoblast, gbl) and a fusion cell (fc) have developed and involucral threads loosely arranged



- 4. Rhipidothamnion secundum Huisman A58707 from Pt Phillip Bay, Victoria
- 5, 6. Specimens stained blue and viewed microscopically
  - 5. characteristic 1-sided branching pattern (A58706 slide 10703)
    - 6. stalkless male (spermatangial) heads (sp h) on the inside of branches (A58709 slide 10710)

\* Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium, March 2007