

 in sporangial plants: tetrasporangia clustered near branch tips, divided across (zonately)

**Details of Anatomy** 

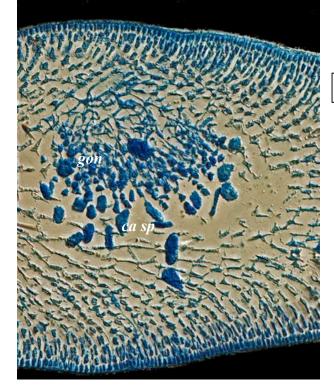
Dicranema cincinnalis stained blue and viewed microscopically

zonate

- 1. cross section: small core (medulla, *med*) of fine threads, wide outer layer (cortex, *co*) of inner large and outer very small cells (slide 3760)
- 2. lengthwise section through a cluster (nemathecium) of tetrasporangia near a branch tip: tetrasporangia divided across (zonately), attached to the inner cortex (slide 19072)



50 µm



Dicranema cincinnalis Kraft

- 4. on *Amphibolis* stems, from reef pools, Flour Cask Bay, Kangaroo I., S Australia (A68479)
- magnified preserved (bleached) specimen (A12697), from an outer reef pool, D'Estrees Bay, Kangaroo I., S Australia: dense tufts and partly coiled branching pattern
- 6. longitudinal section through a cystocarp: *inwardly* growing fertile cells (gonimoblast, *gon*) ending in a single carposporangium (*ca sp*) (slide 3763)
- 7, 8. specimens (A68479) stained blue and viewed microscopically
  - 7. cystocarps (*cys*) forming swellings near the ends of branches (slide 19073)
  - 8. patches (nemathecia, *nem*) of tetrasporangia (slide 19072)

