

Pachydictyon polycladum stained blue and viewed microscopically

- 1. diverging branch tips ("slingshots") with a tuft of hairs and reproductive organs at the base of the fork (arrowed) (slide 9617)
- 2. dome-shaped apical cells (*a*). The left cell has recently divided lengthwise into two (slide 9616)
- 3. cross section of a *young* branch; middle (medulla, *m*ed) large *and* small outer (cortical, *co*) cells in a single layer (slide 9616) 4. cross section of a *mature* branch with outer (cortical, *co*) cells in *several* layers (states(c))



Two magnifications of *Pachydictyon. polycladum* (Kützing) Womersley (A46760), on seagrass (*Amphibolis antarctica*) in shallow water, Elliston S Australia