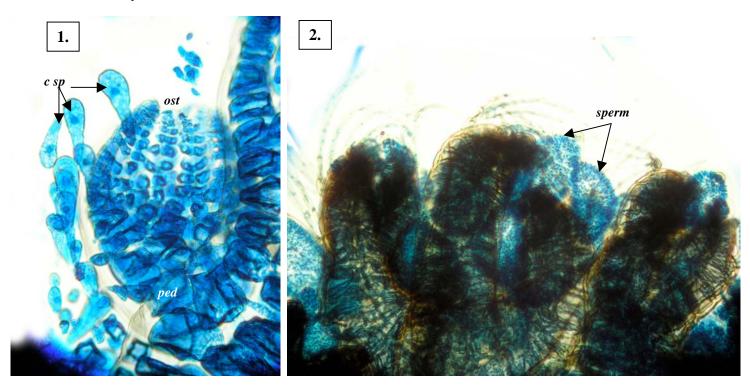


Description in the Benthic Flora Part 1 **Details of anatomy**

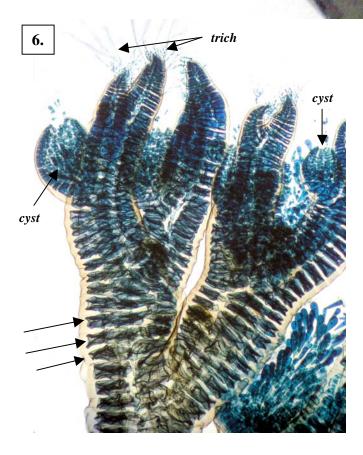
Part IIID, pages 179, 180-161



Polysiphonia brevisegmenta A32615 slide 1566 stained blue and viewed microscopically

- 1. cystocarp with very small stalk (pedicel, *ped*), opening (ostiole, *ost*) at the tip and club-shaped carpospores, *c sp* (extruded from inside the cystocarp)
- 2. male structures (spermatangial clusters, *sperm*) at the tips of branches (replacing trichoblasts)





Polysiphonia brevisegmenta A32615

- 3. whole plants on *Codium capitulum* mounted on a piece of mica
- 4. specimen stained blue and viewed microscopically showing forked upper threads, squat segments (arrowed), colourless branched "hairs" (trichoblasts, *trich*) at the tips, and the products of fertilisation (cystocarps, *cys*)

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