

Heterostroma nereidiis and viewed microscopically

- 1.-2. different magnifications of the marginal clusters stained blue of tetrasporangial structures (stichidia, *stich*) ending in trichoblasts (*trich*), twisted because of the large sporangia (*t sp*) in spirals inside (A34969 slide 19253)
- 3. surface view of a frond with protruding products of fertilisation (cystocarps, *cys*) (A60238 slide 11582)
 - * Descriptive names are inventions to aid identification, and are not commonly used "Algae Revealed" R N Baldock, S Australian State Herbarium, April 2007



4. *Heterostroma nereidiis* A34969 from Elliston Bay SA 10-12m deep on limestone

5, 6. specimens viewed microscopically

- 5. A34969 slide 19253 stained blue, showing the alternating serrations at the frond margin, some ending in trichoblasts (*trich*) and veins connecting to apical cells
- 6. A60238 slide 11582 showing a detached cystocarp with a mass of spores (carposporangia, *ca sp*) inside