

GENERA OF BONNEMAISONIACEAE AT A GLANCE. 2ND EDITION

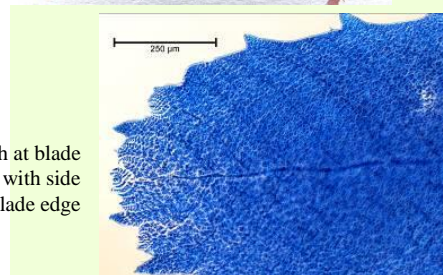
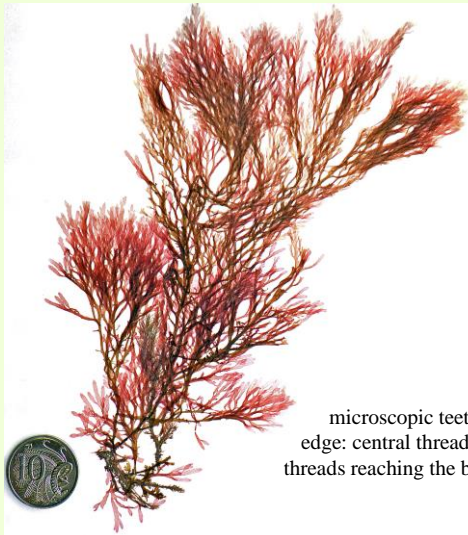
(Microscope views are in blue; the coin scale is 24mm or almost 1" wide)

1. Ultimate branches mostly flat or compressed

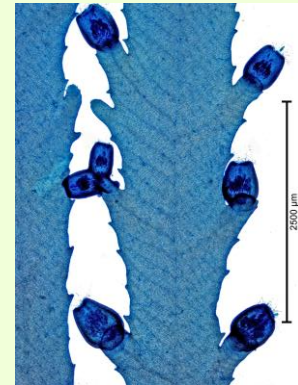
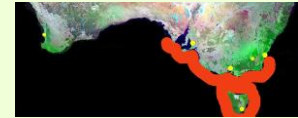
1.1. branches narrow but blade-like, with a central microscopic thread bearing side threads that *run only to the edge of the blade*

blades narrow, thin, delicate with toothed edges

Leptophyllis conferta



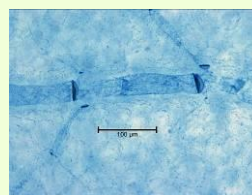
microscopic teeth at blade edge: central thread with side threads reaching the blade edge



central thread: alternating side threads, and female reproductive structures (cystocarps) at tips of side blades

blades thicker, toothed edges **absent**

Ptilonia australasica



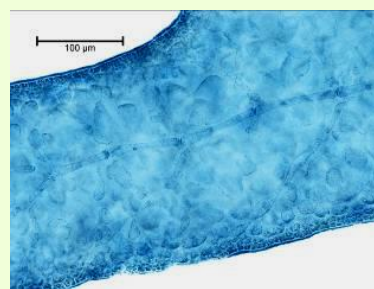
blade surface: central thread with **inconspicuous** side threads



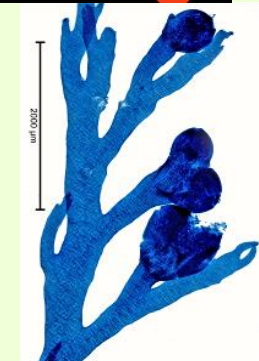
blade with cystocarps

blades narrow, toothed edges **absent**


Ptilonia subulifera

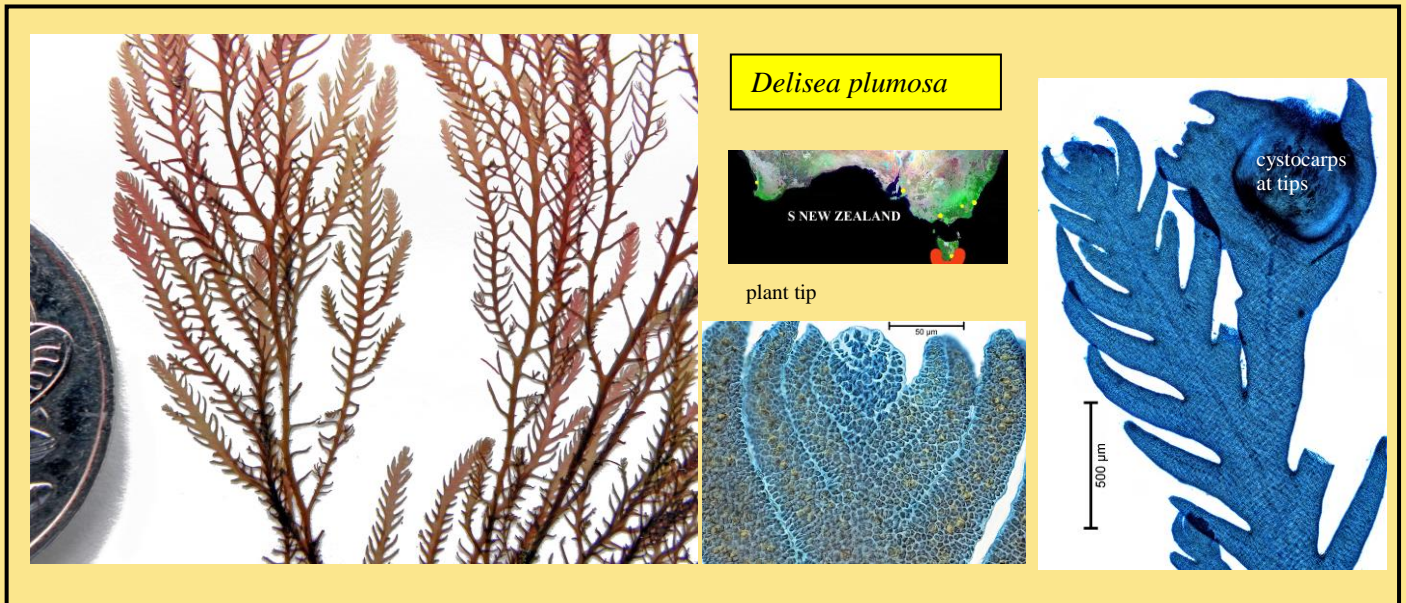


blade surface: central thread with **inconspicuous** side threads



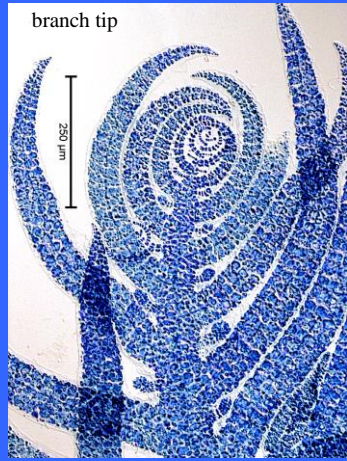
blade with cystocarps

1.2. branches narrow, with *comb-like side branches*; *separate microscopic threads (although they can be obscure) reach all the way to ultimate branch tips*  Can be easily mistaken for *Phacelocarpus* spp



2. Ultimate branches cylindrical

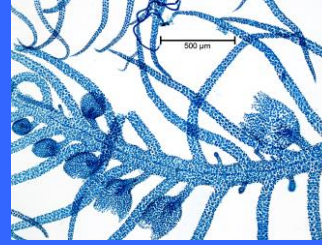
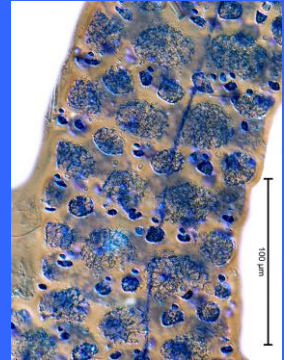
2.1 branching clearly in 2-rows



Bonnemaisonia australis



surface view



cystocarps on short stalks

Delisea elegans



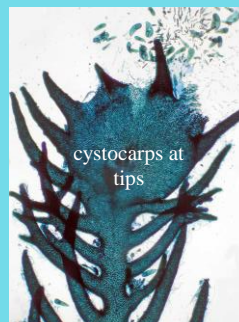
2.2. branching obscurely in 2-rows



Delisea hypneoides



branch tips

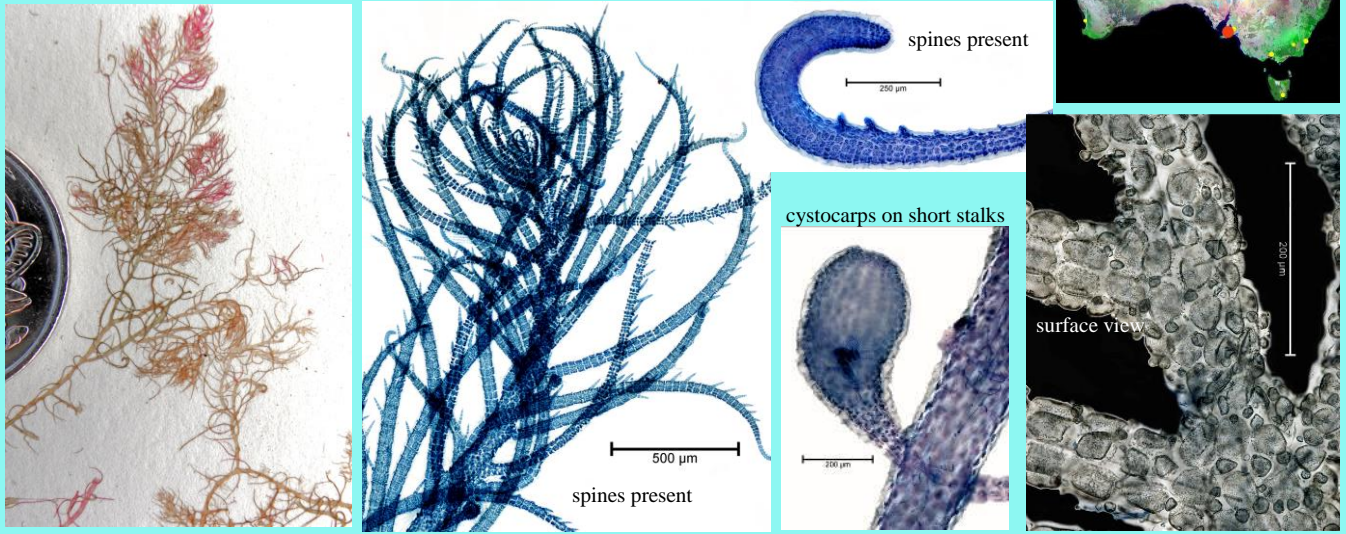


continued next page



2.2 branching obscurely in 2-rows (continued)

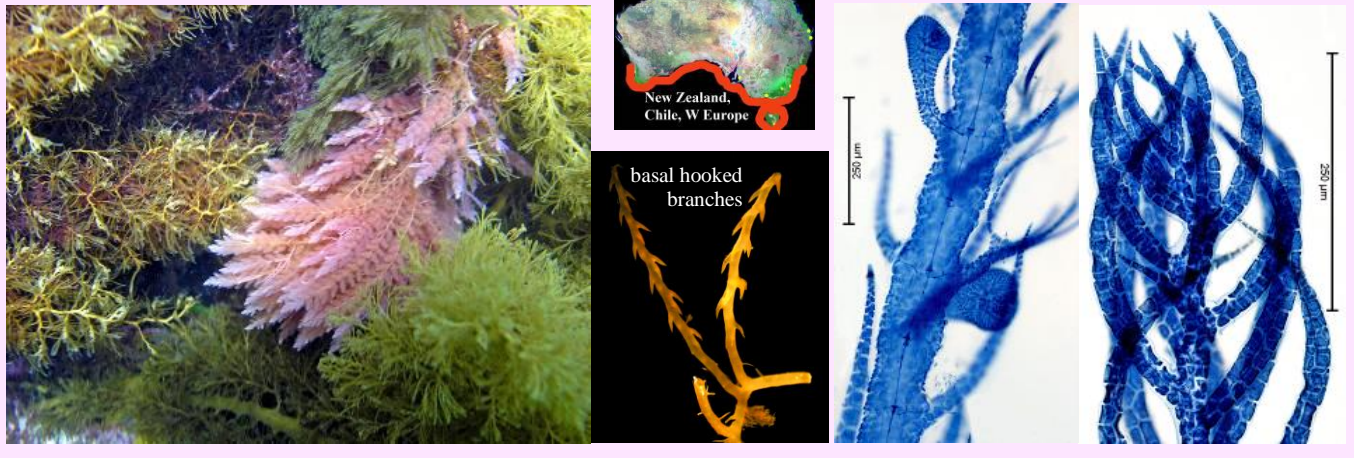
Bonnemaisonia spinescens



2.3 branching radial

Asparagopsis armata

plants often grow hooked onto other algae



Asparagopsis taxiformis

