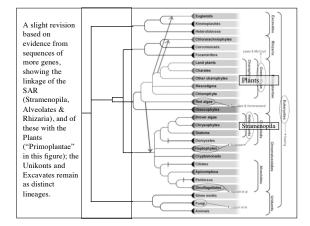
BIOLOGY 2404a FLORA AND VEGETATION OF ONTARIO

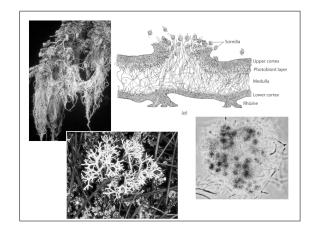
http://instruct.uwo.ca/biology/2404a Fall 2009 Lecture 2

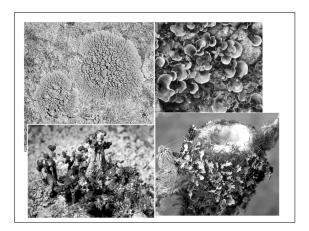
Dr. R. Greg Thorn
Department of Biology, UWO

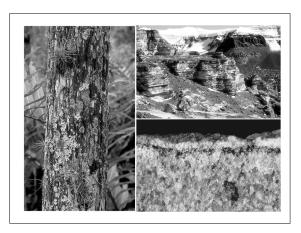
Plant and Flower Parts

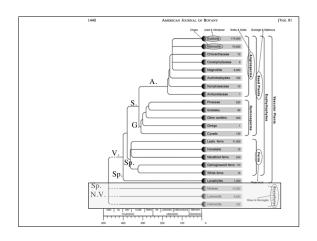
- We will see more of this in Lab, but this introduction will be useful preparation for our next Field Trips
- Lichens
- Bryophytes
- Ferns
- Gymnosperms
- Flowering Plants







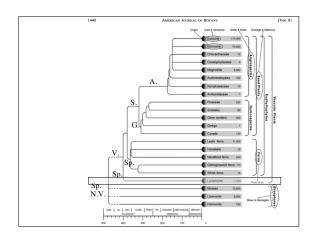




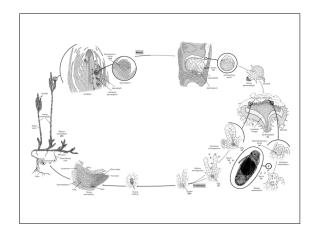


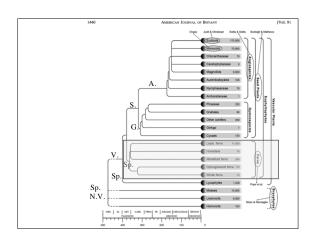








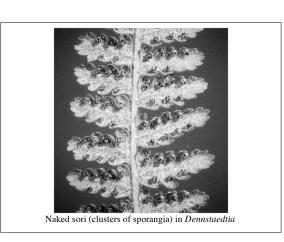


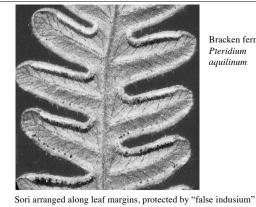




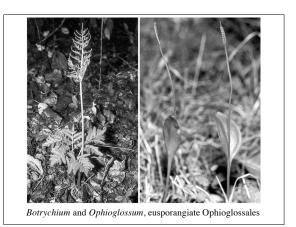


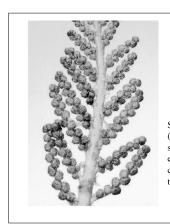




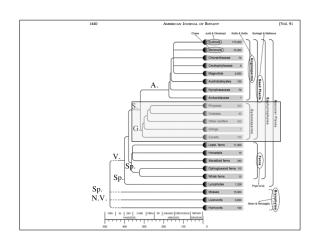


Bracken fern, Pteridium aquilinum





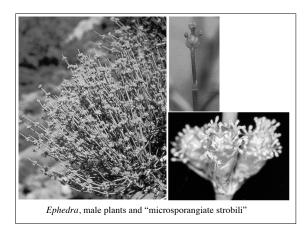
Sori in sensitive fern (Onoclea sensibilis) are on separate fertile fronds, enclosed in spherical capsules formed by lobes of the leaflets





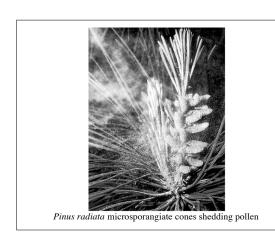
Female $Cycas\ siamensis\ with\ seeds$ on upper surfaces of sporophylls

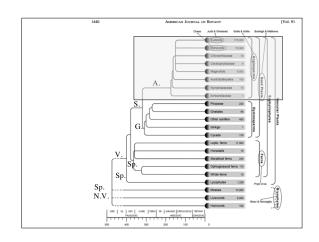


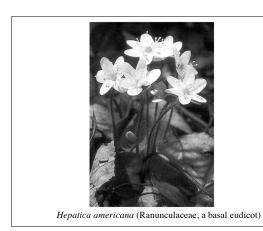


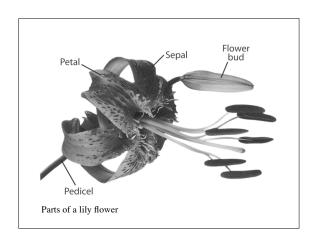


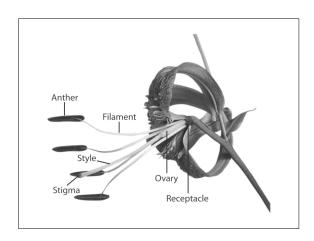
Bristle-cone pine, $Pinus\ long a ev a$, needles in fascicles of five, and young (left) and mature (right) ovulate cones

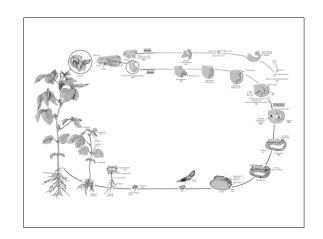


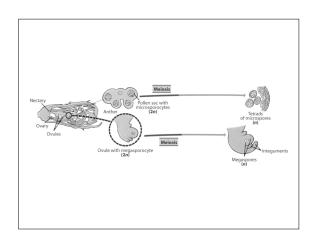


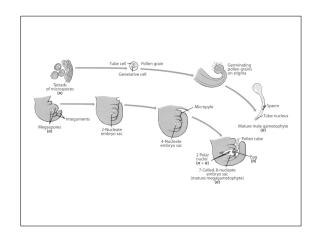


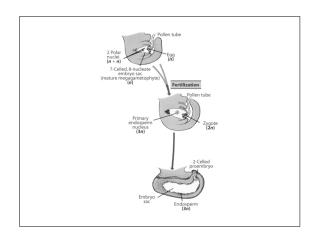


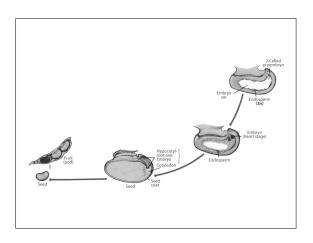


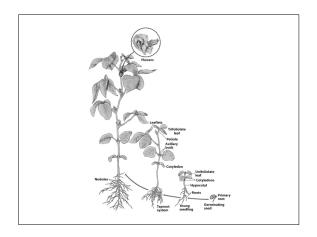


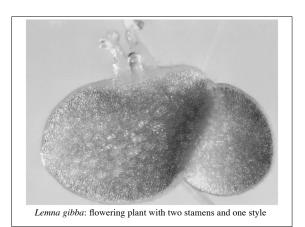


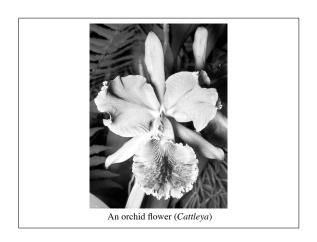


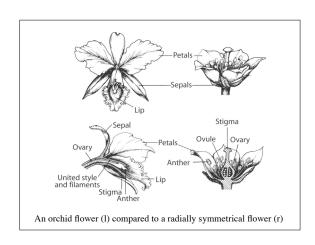


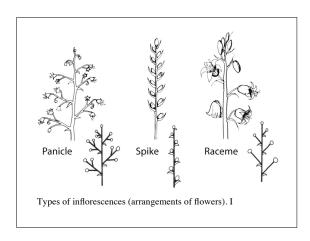


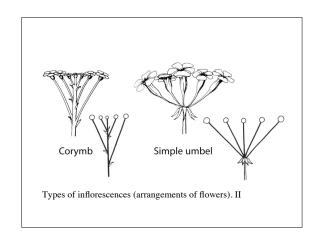


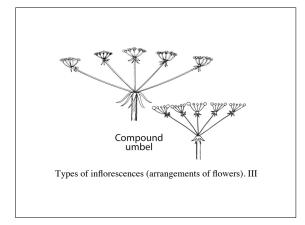


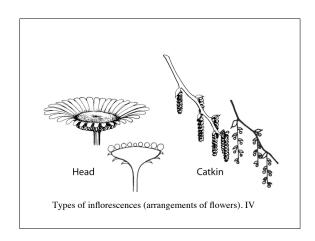


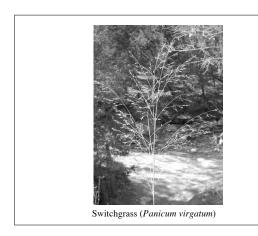


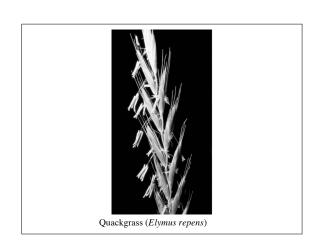






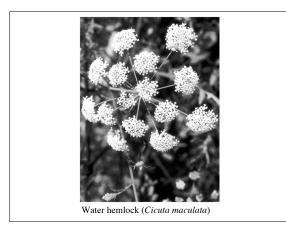


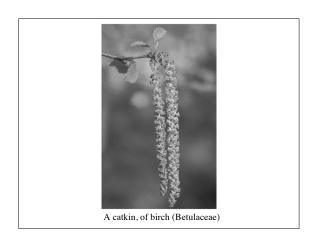


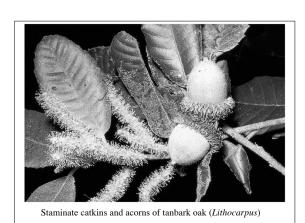




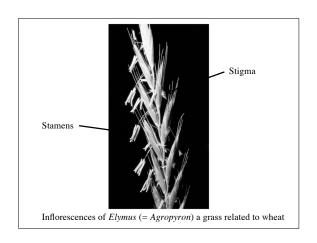


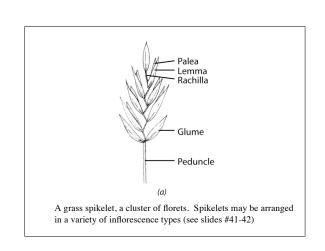


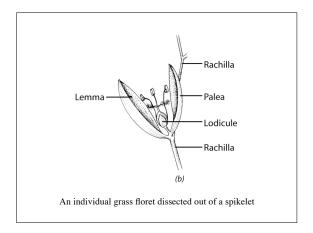


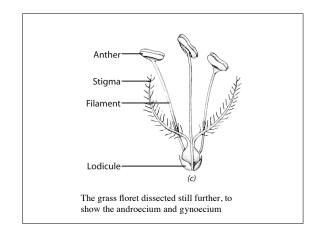


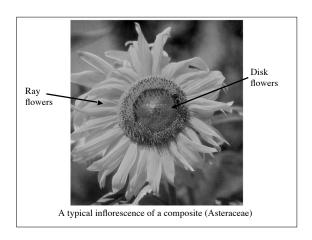


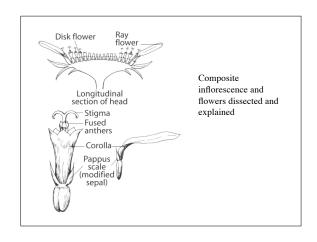


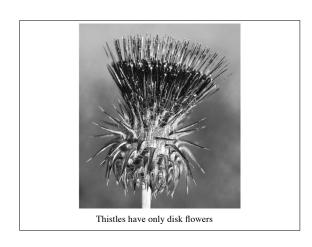


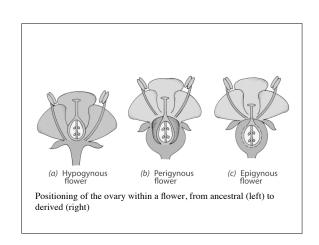


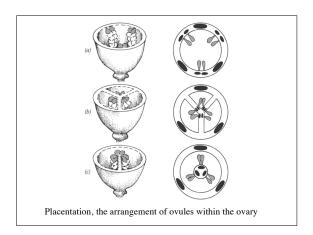












Floral Formulae

- KCAG system (Smith 1977)
- $*, 5, 5, \infty, \underline{10}$, capsule (Judd et al 2002)
- * = radial symmetry
- X = bilateral symmetry
- \$ = asymmetry

(Judd et al 2002)

