**Herbarium Assignment**

You will be expected to make 13 algal pressings during the course of the class. Your herbarium will be due on the last day of lab, **Friday, June 6th**. You will need to collect **3 species** of chlorophyta, **5 species** of phaeophyceae and **5 species** of rhodophyta. We want your herbarium to contain a diverse group of algae. To insure this is the case, you will be limited to collect **only one species per order unless indicated on the back of this page**. Labels must include updated name from algae base: [http://www.algaebase.org](http://www.algaebase.org)

**Guidelines:**

_Prohibited Species:_ No eel grass (*Zostera*), surf grass (*Phyllospadix*), or sea palm (*Postelsia*) may be cut or disturbed. *Codium fragile*, *Fucus spp.*, *Constantinea simplex* & *Silvetia compressa* are either rare or important habitat forming species and should **not** be collected.

- All algae must be identified by you!!!
- Only 1 species per page
- Herbarium paper may be cut in half **once** for smaller specimens
- All algae must be completely dry!!!
- All pages must have a printed label (see class web page to download) glued into the lower right-hand corner of the page
- Labels must be filled out correctly with most current name from algae base. [http://www.algaebase.org](http://www.algaebase.org)
- Names of algae must be spelled correctly and categorized in the correct taxonomic group
- Try to press as many of the morphological features that helped you to identify the alga.
- Pressings will be graded on the above criteria, completeness and presentation. Once you decide which algae you are going to turn in number your algae alphabetically by order within each division.

You can do most of your collecting on the field trips, but you may also need to visit the intertidal on your own time. Make sure to consult your tide calendar to determine the best time to visit the intertidal. If you do need to collect on your own you will need a fishing license from the California Dept. of Fish and Game. You can buy a fishing license at Outdoor World or Bayside Marine (at the Santa Cruz harbor).

**Fish and Game regulations for marine plants are as follows:**
- You can collect up to **10 lbs** (wet weight) of marine plants per day.
- You may **not** collect in marine protected areas.
Numbers indicate the maximum number of pressings you may include in your herbarium for any given order (e.g. you may not have more than 2 pressings from the order Fucales).

If you identify an alga not in an order listed below, you can still use that specimen. Let me know what order it is so it can be included in the future. Some algal species have not been classified in an order and can be listed as Incertae sedis.

**Division: Chlorophyta (Algae 1-3)**

Orders: _______________________________________________________________________

Caulerpales - 1 (not Codium fragile)  
Cladophorales - 2  
Prasiolales - 1  
Ulotrichales/Ulvales - 2

**Division: Ochrophyta (Algae 4-8)**

Orders: _______________________________________________________________________

Chordariales - 2  
Desmarestiales - 1  
Dictyotales - 1  
Dictyosiphonales - 1  
Ectocarpales - 1  
Fucales - 2 (Not Silvetia or Fucus)  
Laminariales - 2 (Not Postelsia)

**Division: Rhodophyta (Algae 9-13)**

Orders: _______________________________________________________________________

Bangiales - 1  
Ceramiales - 2  
Corallinales - 1  
Gigartinales - 2  
Gracilariales - 1  
Halymeniales - 1  
Nemaliales - 2  
Nematomales - 1  
Palmariales - 1  
Plocamiales - 1  
Rhodymeniales - 1
<table>
<thead>
<tr>
<th>University of California, Santa Cruz</th>
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<tbody>
<tr>
<td><strong>ALGAE OF</strong> Chlorophyta, Cladophorales</td>
</tr>
<tr>
<td><strong>Name</strong> <em>Acrosiphonia coelata</em> (Ruprecht) R.E. Scagel, D.J. Garbary, L. Golden &amp; M.J. Hawkes</td>
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<tr>
<td><strong>Location</strong> Davenport Landing, Santa Cruz, California</td>
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<tr>
<td><strong>Habitat</strong> found in low intertidal, growing on rocks</td>
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<tr>
<td><strong>Collected by</strong> your name</td>
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<td><strong>Identified by</strong> your name</td>
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