



A Primer on Sedges Workshop

Saturday March 4, 2017

Arcata, California

Registration and Cost

\$100 for CNPS members /
\$130 for non-members.

Register on line at: <http://www.cnps.org/cnps/education/workshops/>

The last day to register is February 16.
If you are not a CNPS member, visit www.cnps.org/join to join now and save!



About the Instructor

Gordon Leppig is a Senior Environmental Scientist with the California Department of Fish and Wildlife and previously was the Humboldt State University Vascular Plant Herbarium collections manager. He has been a student of sedges for some years and has previously taught plant workshops for CNPS, The HSU Natural History Museum, and the Jepson Herbarium.

This is an intensive introductory/intermediate course on sedge identification and keying with an emphasis on species occurring in Northern California and the Pacific Northwest. The workshop starts with an introductory review of sedge taxonomy, ecology, biogeography, and essential sedge keying terminology and morphology. The rest of the day will be guided dissection and keying of specimens in the laboratory using a microscope and the *Jepson Manual* 2nd Edition. Keying will be punctuated with guidance and commentary on keying groups and species characteristics. Many specimens will be available for review, dissection, and comparison. This workshop is geared for beginner and intermediate caricologists, but familiarity with keying plants in the Jepson Manual is required.

Target Audience: Professional and student botanists, consultants, regulators, and ecologists. Participants should have knowledge of basic plant terminology and dichotomous keys.

Participants will learn:

- Basic sedge terminology, morphology, and ecology.
- Keying terminology and techniques using *The Jepson Manual, 2nd Edition* and other references.
- Sight recognition of some ecologically dominant sedges based upon habitat.
- A greater appreciation for the beauty, diversity, complexity, and ecological value of sedges.
- Familiarity with rare sedges occurring on the North Coast.

Materials Required: *Please bring...*

- Quality dissecting equipment, including extra-fine forceps and a metric ruler
- Hand lens
- Notebook and writing implements
- Lunch
- *The Jepson Manual, 2nd Edition*
- *Field Guide to the Sedges of the Pacific Northwest 1st or 2nd Edition* (recommended)

Materials Provided: CNPS will provide handouts, diverse material for keying and comparison, and dissecting scopes. Coffee, tea, fruit, and baked goods will be available during the morning session.

Venue: Humboldt State University, Arcata, CA. Directions and additional information will be provided to registered participants about a week before the workshop.

Schedule: 9:00am to 5:00pm with one hour for lunch. Registration, goodies, and settling-in begin at 8:30am.

The CNPS North Coast Chapter Research Grant

The **North Coast Chapter of the California Native Plant Society (CNPS)** is offering a research grant (2 awards per year) of up to \$1,000 for **studies of local, native plants**. The grant is available to undergraduate and graduate students at Humboldt State University and College of the Redwoods. Its purpose is to encourage learning about native plants in Humboldt, Trinity, Siskiyou and Del Norte Counties and to support projects that will advance knowledge of them.



To apply for the grant submit the following by March 1, two pages please:

- Title of the project, applicant's name, address, phone number, email address, and the date submitted.
- Estimated time frame for project.
- Description of the project: Outline the purposes, objectives, hypotheses where appropriate, and methods of data collection and analysis. Highlight aspects of the work that you believe are particularly important and creative. How will it advance our knowledge of our local native plants?
- Description of the final product.
- Budget: Summarize intended use of funds. Our grant does not approve the outright purchase of capital equipment or high-end items such as computers and software.
- Academic status (school, graduate student, undergrad)
- Letter of support from a sponsor, such as an academic supervisor, major professor, professional associate or colleague should accompany your application.
- Your signature, as the person performing the project and the one responsible for dispersing the funds. All of the information related to your application may be submitted electronically.

Application materials should be submitted electronically (in PDF format) to Dr. Erik Jules at erik.jules@humboldt.edu and Michael Kauffmann at mkauffmann@cnps.org.

Grant recipients will be selected by a committee approved by the chapter's steering committee and consisting of at least one HSU staff and one non-HSU chapter member.

The grant recipient will be expected to give a brief presentation of his/her project at a chapter meeting and in the chapter's newsletter.

Recipients may reapply and receive a second grant, but no more.

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The North Coast Chapter of the California Native Plant Society is a group of enthusiastic people sharing their knowledge of California's native plants, studying native plants, and speaking up for native plants in conservation issues. The public is welcome at our events. We encourage membership in CNPS to make our voice for native plants stronger. The mission of the California Native Plant Society (CNPS) is to increase understanding and appreciation of California's native plants and to conserve them and their natural habitats through science, education, advocacy, horticulture, and land stewardship.