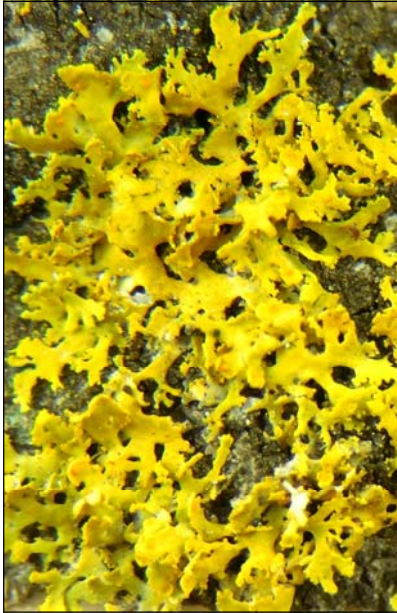


# Identifying Lichens to Genus

March 23, 2019, Saturday



*Xanthomendoza oregana*

*Think small.* The symbiotic organisms we know as lichens are usually identified in the field by characters that are typically around 1 mm in size. They are largely intolerant of poor air quality and disturbance, yet are found in some of the harshest environments on earth, and are able to withstand the vacuum of space. There are reported to be slightly less than 5000 lichen species in 646 genera in North America, and just under 1900 species in California, yet few people are able to place names on even the most common lichens, which means that an essential component of most natural resource inventories is lacking. Opportunities to learn about identifying lichens are infrequent, although the basic characters used in identification can easily be learned in a day.

*This one-day workshop* will focus on identifying to genus the lichens of the lower Sierra Nevada/Cascade foothills. The morning will be spent covering lichen basics – anatomy, morphology, and reproduction of lichens; be prepared for some new vocabulary! Lunch will be in the field, with lichens, and possibly some hands-on collecting. Afternoon will be back in the lab for guided exploration, using dissecting ‘scopes, reference materials, chemical spot tests, and vouchers, and a key provided by the instructor. Please

bring dissecting tools, a hand lens, a thumb drive, and lunch. Participants will benefit more from the workshop if they are experienced with using dichotomous keys.

*The workshop will be led by Tom Carlberg.* Tom has a degree in Botany from Humboldt State University. He has been a cryptogamic botanist for 18 years, working for the Forest Service, private contractors, and non-profit organizations. His ongoing interest is mapping the range and distribution of lichen species across California. Toward this end he has submitted more than two thousand lichen specimens to public and government herbaria. He is the President of the California Lichen Society, a position he uses to emphasize how little is known of California’s lichen flora, and how new species and new information can be discovered even by relative neophytes. He is a member of the British Lichen Society, the American Bryological and Lichenological Society, and is past Editor of the Bulletin of the California Lichen Society (CALs), and a member of the Society’s Conservation Committee.

*The workshop will meet Saturday, March 23, 2019, from 9:00 a.m. to 4:00 p.m. in Holt Hall room 129 at CSU Chico.* Registration is \$110.00 personal, \$130.00 business, \$100.00 for members of Friends of the Herbarium, \$50.00 student (only 2 seats available at the student price). Please register in advance; class size is limited to 16 participants, class cancelled without at least 10 participants. For more information about workshop content please contact Tom Carlberg at [tcarlberg7@yahoo.com](mailto:tcarlberg7@yahoo.com). For more information about registration or directions or to register using a credit card please contact the Biology office at (530) 898-5356 or at [sscholten@csuchico.edu](mailto:sscholten@csuchico.edu).



*Cladonia subfimbriata*

[www.friendsofthechicostateherbarium.com/eventsviewcalendar/](http://www.friendsofthechicostateherbarium.com/eventsviewcalendar/)

\*\*\* SEE PAGE 2 FOR REGISTRATION FORM \*\*\*

# Identifying Lichens to Genus

March 23, 2019, Saturday

## REGISTRATION FORM

Please make your check payable to *Research Foundation* - please include “Lichens workshop” on the memo line and mail to:

Friends of the Herbarium  
California State University, Chico  
Chico, CA 95929-0515

To pay by credit card call the Biology office at (530-898-5356).

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

E-MAIL \_\_\_\_\_

AMOUNT ENCLOSED \_\_\_\_\_

Cancellation policy: No refund for cancellation within 7 days of the workshop date.

***This workshop has been approved for 3 Professional Development Credits  
by the California Consulting Botanist Board of Certification***

[www.friendsofthechicostateherbarium.com/eventsviewcalendar/](http://www.friendsofthechicostateherbarium.com/eventsviewcalendar/)

Tom Carlberg leading 2009 Lichen Identification workshop.



*Physcia adscendens*



*Physconia californica*