

# NORTHERN CALIFORNIA BOTANISTS

# BOTANICAL LEAFLETS

ISSUE 21      SPRING 2018



## PRESIDENT'S MESSAGE

It's been another interesting spring here in Northern California. Luckily we got some rain so we had some wildflower displays. Table Mountain in Butte County was spectacular which was wonderful. I have been a volunteer at the Sacramento Wildlife Refuge again this spring with Jenny Marr looking for the rare plants in the vernal pools and alkali flats. I was able to see the Calypso Orchid, *Calypso bulbosa*, at Trinity Lake with Jenny thanks to

directions from Julie Nelson. It was much smaller than I expected and really special to see. I also helped with the Siskiyou Wildflower Show in Yreka sponsored by the Klamath and Shasta Trinity National Forests. There were many people who came throughout Mother's Day to enjoy the show.

Rob Schlising has ended his time as a board member and Genevieve Walden, from California Department of

Food and Agriculture, has joined as a new board member. Thanks for all your hard work Rob. And welcome Genevieve!

We have finished our review of applications and selection of the 2018-2019 student research scholarship awards. See Page 3 for information on the awardees.

Have a great summer pursuing your many wonderful botanical adventures.

Linnea Hanson, President

## OFFICERS

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## Newsletter Editor:

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## THANK YOU TO ROB SCHLISING AND WELCOME GENEVIEVE WALDEN TO THE BOARD!

Rob Schlising, a founding member of Northern California Botanists, stepped down from the Board this past spring after 12 years of service. Rob was instrumental in many of the NCB programs including the Newsletter and Symposia planning. Thank you Rob!

NCB is pleased to announce the appointment of Genevieve Walden to the Board. Genevieve is the Senior Plant Taxonomist at the Plant Pest Diagnostics Center for the California Department of Food and Agriculture and Curator of the Herbarium. She completed her Ph.D. in 2015 at UC Berkeley, where she studied hydrophylls. Welcome Genevieve!

## MYSTERY PLANT



This common forest understory shrub is easily recognized by its long, dangling staminate catkins on leafless twigs in early spring; later by soft-fuzzy leaves and tasty nuts, if any are left after squirrels are satisfied. Often overlooked, the female flowers shown here have protruding bright magenta stigmas, which turn dark when herbarium specimens are made. The term 'monoecious' describes this condition of having separate male and female flowers, borne on the same plant.

Photo by Martin Lenz

(Answer on Page 2)

## 2019 NCB SYMPOSIUM IN CHICO—SAVE THE DATE!

Planning is underway for the ninth Northern California Botanists Symposium. It will be held at CSU Chico on January 14-15, 2019 with optional workshops on the 16th. Sessions will include Vegetation, Cryptic Species/Species Concepts, Vegetation Response to Fire, Sampling for Herbaria, Now Some Good News, and New Discoveries.

We are happy to announce that **Todd Keeler-Wolf** will be our **Keynote Speaker**. Todd is a senior ecologist with the Department of Fish and Wildlife. Todd's talk is titled "Learning to be a naturalist in Northern California." He will discuss how California shapes us and will be weaving his personal experiences, job, the landscape of California, and his passion of being an ecologist.

We will again include a Lightning Talks Session consisting of a half hour of six 5-minute long talks. If you are interested in giving a lightning talk, please send one or two sentences about your topic, a title, and your contact information to [ncbotanists@gmail.com](mailto:ncbotanists@gmail.com).

More information will be posted on our website in September.

We hope to see you next January!

## 2018-2019 STUDENT RESEARCH SCHOLARSHIP AWARDS

The Northern California Botanists provides monetary scholarships for students doing research on botanical subjects in northern and central California. The Sacramento Valley and Shasta chapters of CNPS generously support this program by funding an additional scholarship each. We received 29 applications this year, and as usual, there were many great research projects to choose from. Congratulations to these students and thank you to all that submitted applications!

### 2018-2019 NCB RESEARCH SCHOLARSHIP RECIPIENTS

Recipient	Degree Program	College	Title of Research Project
Israel Borokini	Ph.D.	University of Nevada, Reno	Species distribution and abundance modeling for <i>Ivesia webberi</i> A. Gray in the Great Basin desert, western United States.
Justin Luong	Ph.D.	University of California, Santa Cruz	Applying functional traits to grassland restoration.
Ian Mounts	M.S.	California State University, Sacramento	The role of common mycorrhizal networks in ameliorating drought stress in Douglas fir ( <i>Pseudotsuga menziesii</i> )
Max Odland	M.S.	University of California, Davis	Effects of prescribed fire and thinning on understory diversity in mixed conifer forest.
Maureen Page	Ph.D.	University of California, Davis	How does honey bee abundance affect the pollination and reproduction of native plants?
Devon Picklum	Ph.D.	University of Nevada, Reno	Ecology and Evolution of multi-trait floral similarity in two Sierra Nevada alpine wildflowers.
Lisa Rosenthal	Ph.D.	University of California, Davis	Interactions among historic land management, drought, native pathogens, and insects on tree mortality in the mixed conifer forests of Yosemite Valley.
Kelly Santos	M.S.	San Francisco State University	Reproductive life history of endangered <i>Sueda californica</i> and its use in sea level rise adaptation in San Francisco Bay.
Elena Suglia *Shasta Chapter award*	Ph.D.	University of California, Davis	The Impact of Snowmelt on Phenology and Population Genetics of <i>Streptanthus tortuosus</i> .
Molly Vanderlip	Undergrad	Cal Poly, San Luis Obispo	Assessment of UV and visual pigmentation in <i>Erythranthe bicolor</i> .

Answer to "Mystery Plant": *Corylus cornuta* Marshall *ssp. californicus* (A.DC.) E. Murray—Beaked hazelnut

## NORTHERN CALIFORNIA BOTANISTS IN ACTION

A continuing series that highlights well-known to possibly less-well-known botanists, with photographs from the present to several decades back. Please share unpublished pictures of northern California botanists: send jpegs and information to [jane.vansusteren@gmail.com](mailto:jane.vansusteren@gmail.com)



**Lusetta Shar Sims** is a Forest Botanist for the Trinity side of the Shasta Trinity National Forest, which includes over 1.1 million acres of botanically fascinating land. She conducts vegetation inventory and monitoring throughout the National Forest and recommends land management activities and species habitat needs for preventing future ESA listing; designs Revegetation, Rehabilitation, and Restoration Planting Plans; and collects the seeds that make it so those plans draw from native seed banks.



**Daria Snider** is a Senior Biologist at Madrone Ecological Consulting, and has been an active member of the NCB Board for five years. Ms. Snider received a degree in animal science from UC Davis, and only after graduation did she discover her love for plants. She took a wide variety of botanical courses from community colleges, the Chico State Herbarium, the Jepson Herbarium, and CNPS. She now conducts floristic surveys throughout the state, but primarily in the Sacramento Valley and adjacent Sierra Nevada foothills.



**Scott Simono** works as a biologist with the San Francisco Public Utilities Commission. He is working to create new and enhance existing populations of *Cirsium fontinale* and *Hesperolinon congestum* on the SFPUC Peninsula Watershed. He is also managing Lupinus species, especially *Lupinus formosus*, that serve as the only host plants for the Mission blue butterfly. His last job was an editorial staff of The Jepson Manual, and his graduate work was on the evolutionary relationship among red-flowered *Silene* taxa in California.



**Jean Shepherd** is retiring after many years at the UC Davis Center for Plant Diversity. Her work includes herbarium management, specimen curation, and a Flora of Yolo County Grasslands Park. Her love of all plants inspired countless UC Davis students, and her kindness and care in teaching those students turned people who love plants into capable botanists. She also managed the glorious display of native wildflowers present every year in the Davis Herbarium at Picnic Day.



NORTHERN CALIFORNIA  
BOTANISTS

P. O. Box 8042  
Chico, CA 95927-8042

*Save the Date!*  
*NCB 2019 Symposium*  
*January 14-15, 2019*  
*Chico, California*

Please send address changes to:

ncbotanists@gmail.com

MEMBERSHIP APPLICATION/RENEWAL

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_

MEMBERSHIP DUES:

\_\_\_\_\_ Individual \$25.00 \_\_\_\_\_ Student/Limited Income \$15.00

\_\_\_\_\_ Family or Small Business/Non-Profit (two memberships) \$40.00

In addition, I would like to donate \$\_\_\_\_\_ to Northern California Botanists to help fund NCB programs and student research scholarships.

Make checks payable to "Northern California Botanists" and mail to:

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