



# ***Native Plant Society of Oregon***

Dedicated to the enjoyment, conservation, and study of  
Oregon's native plants and habitats

## **Bulletin**

December/January 2022 Volume 55, No.10



Rose hips (*Rosa sp.*)

Ochoco Mountains, Oregon, October 22, 2022. Photo by Faye Streier.

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## Table of Contents

- [Remembering Rhoda M. Love \(1932-2022\)](#)
- [Emerald Chapter to Host 2023 NPSO Annual Meeting](#)
- [Oregon's Rare, Threatened and Endangered Species- Part 2](#)
- [Oregon Department of Agriculture Native Plant Conservation Program State List](#)
- [South Coast Chapter Reopens!](#)
- [Photo Gallery](#)
- [Oregon Mystery Plant](#)

- [OregonFlora](#)
- [December 31 Deadline for Native Plant Photos](#)
- [NPSO Board Seeks Candidates](#)
- [Grant Proposals Requested](#)
- [State/Chapter Notes](#)

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For membership inquiries, contact Margaret Conover, the Membership Chair, by [email](#), or send mail to P.O. Box 902, Eugene, OR 97440.

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## Remembering Rhoda M. Love (1932-2022)



Rhoda Love at the Love Family commemorative bench at the Mt. Pisgah Arboretum. The plaque on the bench reads: "Rhoda Love & Family, Trusting in Trees." September 9, 2017. Photo by Jennifer Love.



One doesn't have to look far to see the impact Dr. Rhoda Love had on individuals, the environment, science, and our society. Remembering her many contributions can help allay the great loss felt upon learning of her death on 14 October 2022 at the age of 90.

Rhoda was born (16 August 1932) and raised in Seattle, Washington. She enrolled in the University of Washington in 1950 with the intent to study English. However, a botany class taught by C. Leo Hitchcock, followed by a summer-long field course with Hitchcock and Arthur Kruckeberg exploring the western U.S., focused Rhoda's lifelong interest in the natural world into the start of her long and productive career.

The summer after her freshman year, Rhoda worked in housekeeping at Paradise Inn at Mt. Rainier National Park; there she met Glen Love, a fellow UW undergraduate majoring in English. Romance ensued, and the couple completed their studies in Seattle prior to marrying in 1956.

Rhoda earned a Bachelor of Science degree in 1955; she also took education classes and received a teaching certificate. Rhoda and Glen took turns supporting one another by teaching in public secondary schools while the other took graduate classes—she in botany and biology, and he in English. Rhoda received her master's degree in botany in 1959. She earned her Ph.D. in botany from the University of Oregon in 1980.

The couple moved to California in 1963 and worked for two years teaching classes at San Diego State College. When Glen accepted an assistant professorship in the English department of the University of Oregon in 1965, they happily returned to the Pacific Northwest they loved and were again near their San Juan Island (Washington) waterfront property.



Rhoda with her children Stanley Love and Jennifer Love at Cogswell-Foster Preserve. circa 1976. Photo likely by Glen Love.

Eugene was where the Love family put down roots: the children Stan and Jenny grew up there, and Glen was a distinguished scholar in the University of Oregon Department of English. Rhoda not only put down roots; she grew sturdy branches which flourished, bore fruit, and reseeded into our botanical community. Her many contributions include teaching botany at Lane Community College (LCC), helping establish Mount Pisgah Arboretum, serving in many leadership roles within the Arboretum and the Native Plant Society of Oregon, working on agency committees for habitat and plant conservation, coauthoring the pivotal anthology *Ecological Crisis: Readings for Survival* (1970), helping in the foundation and growth of the Oregon Flora Project (now OregonFlora), and authoring biographies of early Pacific Northwest botanists.

Rhoda's expertise, her commitment to environmental education, and her love of community made her deep involvement with the NPSO a natural fit. She joined NPSO in 1973, recognizing that the society's mission mirrored her own values. Author of many NPSO *Bulletin* and *Kalmiopsis* articles, tireless volunteer for Board service (including State President in 1982, State Conservation co-chair, and two decades of leadership), and a co-leader with Esther McEvoy and Julie Kierstead in securing passage of the Oregon Endangered Species Act, Rhoda provided NPSO members with an enthusiastic and inspiring role model. She knew that involvement in an organization open to all would be the best way to share awareness of and support for natural areas in a region dear to her heart. Current NPSO president Dan Luoma reflected on Rhoda's impact as he described what he calls "Rhoda's Grove," a rocky outcrop within old growth forest in the Umpqua National Forest that is home to a population of the rare plant *Kalmiopsis fragrans*. Rhoda led the effort to protect this treasure from clear cutting; the site is a favorite NPSO field trip destination. In 2001, NPSO awarded the society's highest honor—NPSO Fellow—to Rhoda and her close friends and field companions, Charlene Simpson and Veva Stansell.

Rhoda wove her deep commitment to NPSO and its mission into three endeavors that contribute to her legacy: her teaching career at LCC, her involvement with Mount Pisgah Arboretum, and her support of the Oregon Flora Project.



Left photo: Rhoda teaching LCC botany class at French Pete Creek. 1974.

Photo by Charles Munson (one of Rhoda's students at the time.)

Right photo: Rhoda encircled by her LCC Botany 203 students at Amazon Park, Eugene. 1995.

Photo by Gail Baker.

During her twenty years at LCC between 1966 and 1997, she instructed hundreds of students in the beauty and value of native plants and their habitats, introducing students to NPSO's community of "plant enthusiasts," and ushering a new generation into conservation and careers in botany. Rhoda's botanical forays across Oregon with her students resulted in collections for the LCC Herbarium (LCEU) and significant botanical observations. In 2004 Rhoda and her colleague Freeman Rowe were honored with the dedication of the newly remodeled LCC herbarium space as the Rowe-Love Herbarium. Equally important in the remodel was the creation of the R.M. Love Cold Room, vital to all plant science classes for long-term storage of fresh study specimens. The establishment of the Cold Room reduced instructors' need for continuous collecting, which Rhoda cheerfully referred to as her gathering of "woody and weedy" species.



Rhoda and Freeman Rowe celebrating the dedication of the LCC Herbarium. May 2004.

Photo by Gail Baker.

In 1977 Rhoda began her long association with the Mount Pisgah Arboretum (MPA), where, as an administrator and Board member, she integrated Arboretum events with NPSO and LCC activities and field trips. She wrote the first MPA Guidebook: *A Natural History of the Southern Willamette Valley*. Like all Rhoda's written endeavors, it was comprehensive, informative, well-illustrated, and delightful to read. She was a co-founder of the annual MPA fundraiser Wildflower Festival, using it as a teaching tool for LCC botany students and an outreach event for both the NPSO and the Oregon Flora Project. She was also the festival poster artist for seven years.



1984 Mt. Pisgah Arboretum Wildflower Show Poster. Designed and illustrated by Rhoda.

With the news in 1994 that that a new *Flora of Oregon* was being initiated, Rhoda jumped at the opportunity to become involved. She became a Checklist Project Leader, served as Editor of the *Oregon Flora Newsletter* for 18 years, authored the Checklist treatments of 24 genera including the pome-fruited Rose family members *Crataegus*, *Malus*, *Pyrus*, *Amelanchier*, *Sorbus*, and *Peraphyllum*, and assisted with the development of OregonFlora's three-volume reference *Flora of Oregon*. She was a strong advocate for the Project, helping create a lasting connection with NPSO that engaged volunteers and encouraged financial support for the mutual benefit of both organizations' missions.

No task was too small or too big for Rhoda, from monthly mailing parties for the NPSO *Bulletin* to crafting a state Endangered Species Act. Throughout her life, she dug deep and gifted us with a legacy of preserved habitats, strong foundations for conservation- and biodiversity-minded organizations, and extensive writings about the natural history of our region. Through her generous living, Rhoda has indeed given us, as her signature sign-off stated, "Flowers Forever."





Rhoda with NPSO Bulletin mailing party. December 2009. Photo by C.Gautier

Rhoda is survived by her son Stanley Love, daughter Jennifer Love, daughter-in-law Jancy McPhee, Jennifer's partner Bryan Haynes, and two grandchildren, Gavin Love and Alex Love. Rhoda's husband of 66 years, Glen Love, preceded her in death on May 8, 2022. There will be a celebration of Rhoda's life on Saturday, April 15, 2023, from 1 to 3 p.m. at the White Oak Pavilion at the Mt. Pisgah Arboretum.

#### **To find out more about Rhoda**

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<https://oregonflora.org/ofn/OFNv3n3.pdf>.

Simpson, C. 2002. Rhoda Love. *Kalmiopsis* 9:28. -Linda Hardison, Gail Baker, and Jennifer Love

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## Emerald Chapter to Host 2023 NPSO Annual Meeting - June 2-4



Northern mule's ears (*Wyethia amplexicaulis*) at Howard Buford Recreation Area in early June. This recreation area is one of the 2023 Annual Meeting field trip sites. Photo by Gail Baker.

The Emerald Chapter of NPSO will host the 2023 Annual Meeting in Eugene, Oregon on June 2nd through 4<sup>th</sup>. The theme of the meeting will be “Botany in the Age of Community Science.” We plan to have multiple discussions about how NPSO members, as community scientists, can contribute to statewide botanical knowledge. Examples include collecting information on distribution and abundance, flowering time, and effort and responses of our forests to wildfire using new technology. We will introduce some of the newest technology and how it can be useful to scientists, conservation practitioners (land management agencies), and casual users.

The meeting will start on Friday June 2nd at Lane Community College with a selection of half-day afternoon field trips. That evening will feature a no-host mixer for folks who want to catch up with old friends and make some new ones. Saturday we will host our traditional all-day field trips and have a wonderful banquet at Venue 252. Our banquet

speakers will address how community science contributes to the understanding and conservation of our state's flora and the important role of NPSO members in this process. Sunday we will host more field trips and hold a State Board Meeting at Lane Community College.

Evening events will take place in downtown Eugene, so that may be the easiest part of town to stay in if you are from out of town. We will post some ideas for places to stay, fun restaurants, and activities on our Annual Meeting webpage, to be published by the end of January. So, save the date and stay tuned! -Emerald Chapter Board of Directors and Annual Meeting Committee

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## Oregon's Rare, Threatened, and Endangered Species Part 2: The Work of the Federal Agencies

The following article is second in a series by Dave Garcia, NPSO Legislative Chair.

Our 1973 Endangered Species Act (ESA) is administered by two federal agencies, the United States Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration (NOAA). Both agencies work with experts in the scientific community to identify species on the verge of extinction and to develop recovery plans for those species and their habitats so they can be removed from federal protection. NOAA Fisheries is responsible for threatened and endangered (T&E) marine and anadromous species. USFWS is responsible for all other T&E plant and animal species.

NOAA's Office of Protected Resources is responsible for the conservation, protection, and recovery of more than 150 T&E marine species under the ESA. That work includes:

- Listing species under the ESA
- Monitoring species status
- Designating Critical Habitat
- Recovery of endangered and threatened species
- Developing ESA policies, guidance, and regulations
- Working with partners to conserve and recover species

NOAA is also responsible for the conservation, management, and protection of whales, dolphins, porpoises, seals, and sea lions under the [Marine Mammal Protection Act](#).

A plant or animal species can receive protections provided by the ESA if it is on the federal lists of T&E wildlife and plants. The [List of Endangered and Threatened Wildlife](#) and the [List of Endangered and Threatened Plants](#) contain the names of 1,665 species that either USFWS or NOAA have been found to be in the greatest need of federal

protection.

When evaluating whether a species is endangered or threatened, the USFWS considers the following five factors:

1. damage to, or destruction of, a species' habitat;
2. overutilization of the species for commercial, recreational, scientific, or educational purposes;
3. disease or predation;
4. inadequacy of existing protection; and
5. other natural or manmade factors that affect the continued existence of the species.

When one or more of these factors imperils the survival of a species, the USFWS takes action to list the species as endangered or threatened to ensure the appropriate protective measures apply. Using these factors, the USFWS also assesses species already listed to determine whether they should be reclassified from threatened to endangered and whether threats have been reduced or eliminated to the point the species should be reclassified from endangered to threatened or removed from the list.



MacFarlane's four o'clock (*Mirabilis macfarlanei*). Listed as endangered under federal and Oregon ESAs. Wallowa County, Oregon. Photo by Gene Yates, Courtesy of Oregon Flora.

### **Critical Habitat**

When a domestic species is proposed for listing as endangered or threatened, the USFWS identifies specific areas, known as critical habitat, within the United States that contain the physical or biological features essential to its conservation. The ESA requires the designation of critical habitat when it is both “prudent and determinable,” (terms that



are defined in the ESA).

### **Foreign Species**

Like the domestic listing side of the program, foreign species classification involves determining the status of foreign species and whether they should be added to the federal list of T&E wildlife and plants to receive protections provided by the ESA.

By regulating the activities of American citizens and residents with regard to foreign listed species, the ESA helps to ensure that people under the jurisdiction of the United States do not contribute to the further decline of these species. Without permits consistent with the conservation goals of the ESA, activities such as the import or export of endangered or threatened species are unlawful.

### **Listing a Species**

While the USFWS typically initiates listing proposals, any member of the public may start the listing process with a petition. Petitions are formal requests to list a species as endangered or threatened under the ESA. Any interested person may submit a written petition either electronically or by mail. The ESA requires that the USFWS make and publish specific findings on the petition.

The agency must make a finding within 90 days of receiving a petition (to the extent practicable) as to whether or not there is "substantial information" indicating that the petitioned listing may be warranted. If this preliminary finding is positive, a status review is conducted. Within one year of receipt of the petition, the USFWS must make a further finding that the listing either is or is not warranted. A positive one-year finding can be incorporated into a proposed listing rule, or if a prompt proposal is precluded by other listing activities, the proposal may be deferred. These "warranted but precluded" determinations require subsequent one-year determinations in each successive year until either a proposed listing rule is published or a "not warranted" finding is made.

As a government agency, USFWS has procedures to create rules and regulations. Every proposed rule goes through a process of drafting, comment, and review before it becomes final. The Federal Register is where a species is officially identified as threatened or endangered and thus must be protected as mandated by the ESA.

Federal agency [consultations](#) on activities that may affect T&E species or their habitats are required under Section 7 of the ESA. Interagency consultations are designed to assist federal agencies in fulfilling their duty to ensure that federal actions (e.g., projects or activities) do not jeopardize the continued existence of a species or adversely impact important habitat.

The ESA is very clear "that all Federal departments and agencies shall seek to conserve endangered species and threatened species and shall utilize their authorities in furtherance of the purposes of this Act." For example, our two largest public land

management agencies, the U.S. Forest Service and Bureau of Land Management, have developed a network of wildlife biologists and programs dedicated to the mission of preserving T&E species and their essential habitat. On the ground, that means that agency biologists and private contractors should be doing as much field work as possible to gather data on sensitive species, monitoring known populations, and assessing the health of critical habitat of T&E species.

The ESA is a powerful and effective tool for conserving species and their habitats. Less than 1 percent of the species listed under the ESA have gone extinct. Others have recovered to the point where they no longer need protections under the ESA. - *Dave Garcia, NPSO Legislative Chair*

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## Oregon Department of Agriculture Native Plant Conservation Program State List Review/Update

The following article was prepared by Jason Clinch, NPSO Rare & Endangered Committee Chair.

In conjunction with two recent articles from the November 2022 issue of the NPSO [\*Bulletin\*](#) (Volume 55, No.9) regarding Oregon's Rare, Threatened, and Endangered Species: "Oregon's Rare, Threatened, and Endangered Species Part 1: The Law" by Dave Garcia, NPSO Legislative Chair and "An Introduction and Update from the Oregon Department of Agriculture's (ODA) Native Plant Conservation Program" by Isaac Sandlin, ODA Native Plant Conservation Program Conservation Biologist, I am happy to give an update on the status of the State List Review by ODA.

As many of you may know, NPSO lobbying efforts in 2021 helped secure a substantial increase in state funding of the Native Plant Conservation Program so that it may fulfill its statutory obligations. More specifically, NPSO's push for this additional funding originated with requests to ODA to update the state's T&E plant species list.

After the passage of Oregon Senate Bill 533 (commonly referred to as the "Oregon Endangered Species Act") in 1987, the ODA Native Plant Conservation Program began work on reviewing species for listing as well as developing the Oregon Administrative Rules associated with the program. By 1989, the first nineteen plant species were listed as threatened or endangered under state law (including federally listed species). By 1995, the number of state-listed plant species was sixty-one. Since then, a few species have been federally delisted, some species were found to be secure, and some had taxonomic changes. However, ODA has not had the opportunity or funding to complete a full State List Review.

At this time, there are fifty-nine state-listed threatened or endangered plant species that are administratively protected in the State of Oregon which also includes fifteen federally listed plant species known to occur in Oregon. Oregon also has seventy-seven candidate species which are species that have potential of qualifying as threatened or endangered after additional study and evaluation. ODA's criteria for listing a species as endangered or threatened include:

- The name and description of the species have been validly published or accepted for publication.
- The species is native; and one of the following:
  - For listing as endangered, the species is in danger of extinction throughout all or any significant portion of its geographic range.
  - For listing as threatened, the species is likely to become an endangered species within the foreseeable future throughout all or any significant portion of its geographic range.

Specific considerations involving the geographic range that must be taken into account include:

- The total geographic area known to be inhabited by the species (including outside of Oregon), and the portion therein in which the species is in danger of becoming extinct within the foreseeable future; and
- The nature of the species' habitat, including any unique or distinctive characteristics that might promote, maintain, or reduce the probability of threats or endangerment.

Additionally, ODA must determine that the natural reproductive potential of the species is in danger of imminent or continual failure due to limited population numbers, disease, predation, or other natural or human-induced factors affecting its existence and that one or more of the following factors exists:

- That most populations of the species are undergoing imminent or active deterioration of geographic range or habitat;
- That over-utilization of the species or its habitat for commercial, recreational, scientific, educational, or other purposes is occurring or is likely to occur; or
- That existing state or federal programs or regulations are inadequate to protect the species or its habitat.

Any person (or entity) may petition to list, reclassify, or delist any Oregon native plant. ODA's [website](#) outlines the petitioning process in detail as does [ORS 564.100](#) and [OAR 603-073-0040](#). While the full background review/species profiling process will not be detailed here, a future article for the NPSO *Bulletin* may cover this process in more detail.

As of October 2022, Native Plant Conservation Program staff are in some stage of review for approximately ten species that are in consideration for being added to the state list.



These include [Lemmon's milkvetch \(\*Astragalus lemmonii\*\)](#), [Stansell's fleabane \(\*Erigeron stanselliae\*\)](#), [Ochoco lomatium \(\*Lomatium ochocense\*\)](#), [barren valley collomia \(\*Collomia renacta\*\)](#), [Hitchcock's blue-eyed grass \(\*Sisyrinchium hitchcockii\*\)](#), [narrow-leaved monardella \(\*Monardella angustifolia\*\)](#), [Willamette navarretia \(\*Navarretia willamettensis\*\)](#), [white meconella \(\*Meconella oregana\*\)](#), [seaside gilia \(\*Gilia millefoliata\*\)](#), and [thin-leaved peavine \(\*Lathyrus holochlorus\*\)](#). Photos and technical descriptions for these species can be found on the [Oregon Flora](#) website.



Narrow-leaved monardella (*Monardella angustifolia*). Malheur County, Oregon. June 4, 2016.

Photo by Gerald Carr, Courtesy of Oregon Flora.

Most of the species listed above are in or have completed some level of “partner review” at this time. That is the informal process of having other agencies, experts, and/or those very familiar with the species to review the species profiles and proposed listing status and identify any red flags, errors, and/or omissions and assure ODA’s data interpretation is accurate. The next step is for ODA to appoint a Technical Advisory Committee (TAC) to formally review each of the species in consideration. The TAC is comprised of at least one ODA botanist and four additional scientists. In addition to consultation with the TAC, ODA shall consult with affected federal, state, and local agencies; other interested agencies; the Natural Heritage Advisory Council to the State Land Board; representatives of other states having common interest in the species; affected federally-recognized Tribal representatives; and any other interested persons with expertise on species in consideration. The TAC and other entities consulted shall review the petition(s) for listing and determine whether said petition(s) present sufficient scientific evidence to justify proceeding with listing the species.

For those species that are deemed justified for listing as threatened or endangered, ODA will draft the proposed amended rule ([OAR 603-073-0070](#)) and begin proceeding through the rule making process. Briefly, the rule making process includes notifying the public, legislators, affected agencies, etc. of the proposed amended rule, opening and closing of the public comment period, consideration of public comments and revision of the amended rule as necessary, submission of the permanent rule to the Oregon State

Archives, and providing a rule report to the Oregon Legislature.

ODA anticipates completing partner review, TAC review, and drafting of the amended rule sometime this winter (2022/2023) with notification of the public to occur as early as January or February 2023. Given this timeline, the state list update could be completed by as early as Spring 2023.



Thin-leaved peavine (*Lathyrus holochlorus*). Lane County, Oregon. May 18, 2003. Photo by Bruce Newhouse, Courtesy of Oregon Flora.

Moving forward, ODA sees the state list review/update as a rolling process to be incorporated into the annual cycle of planning for and conducting field work. Species review will be ongoing rather than completed all at once, which is simply too large of a task given all of their other obligations and duties. An anticipated schedule would have initial species review, requests for data (from other entities, agencies, etc.), and planning for field work to occur in Winter/Spring. The bulk of field work would be conducted in Spring/Summer with report writing and finalization of species review to occur in Summer/Fall. The proposed rule amendment process would then occur in Fall/Winter.

I would like to thank the ODA Native Plant Program Conservation staff for their assistance in providing the information included in this article through several stakeholder meetings over the last year and through direct correspondence. I would like to also thank them for their peer review of this article. - Jason Clinch, *Rare and Endangered Committee Chair*

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## South Coast Chapter Reopens!

The South Coast Chapter, which includes Coos and Curry Counties, has been approved by the NPSO Board to reopen. The Chapter will hold their first official meeting in January 2023. A first birthday party (potluck) will follow the business part of the meeting! Chapter members are planning events and happy to be a part of NPSO. Please contact Charmane Mitchell at [cmainie@gmail.com](mailto:cmainie@gmail.com) for more information.

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## Photo Gallery

Welcome to the *Bulletin* Photo Gallery! Share your photos of Oregon's native flora, field trips, restoration projects, work parties, and activities with other NPSO members. Send photos with the following information: species/event, photographer, names of any people shown in photo, date of photo, location, and any other information you would like to have included in the photo caption to [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org). Please get consent from any people included in your photo prior to sending it.

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## Oregon Mystery Plant

Last month's mystery plant revealed:

Last month's mystery plant was *Hoita macrostachya*, commonly known as large leather root. While more common in California, in Oregon it has only been documented in Jackson County.



Photo by Frank Callahan

Do you have an Oregon Mystery Plant to share? Send it to the editor at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org)

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## OregonFlora

The end of this year marks the twenty-eighth year of the OregonFlora program. Reflecting on the changes that have happened and the accomplishments we have made gives us reasons to celebrate. Begun in 1994 by the late Scott Sundberg as an initiative to



write a new flora for the state, the Oregon Flora Project (as we were then named) formed critical connections with the Oregon State University Herbarium—the specimen collection with tangible documentation of plant occurrences—and the NPSO—the statewide organization whose mission closely aligns with that of the Oregon Flora Project. And, you can say, the rest is history!



Developing a new, up-to-date flora meets many pressing needs: the knowledge gaps faced by our federal and state agencies, who are charged with land management; updated taxonomy and the expansion of the relevance of herbarium collections for the world's largest collection of Oregon specimens; and the collaborative involvement of citizen scientists to help contribute to an accessible and authoritative resource.

Creation of the Oregon Flora Project also opened opportunities for collaborations, leading to development of our resources in ways that Scott likely had not foreseen: general interest chapters in each volume of the *Flora*, native plant gardening support, sustainable agriculture research, and a leading-edge [website](#) providing accurate, beautiful information *at no cost* to the public.

OregonFlora has many things we want to accomplish in our twenty-ninth year, and we need your support to make them happen! Did you know that our program does not receive any regular operating budget from the Herbarium, the University, Extension, the State of Oregon, nor federal agencies? All of our operating expenses come from grants and donations.

Your generous support will help us provide valuable resources we want to share with you: the publication of the final volume of the *Flora of Oregon*, a new Rare Plant Guide for our website, and commercial availability of native garden plants, to name a few.

Please add your financial support to the state's **only** program that documents and shares comprehensive plant diversity data for Oregon. Contributions by check or [online](#) are welcomed. You can also show your support by [sponsoring](#) a floristic treatment, an illustration, or a front chapter in Volume 3 of the *Flora of Oregon*, and see your acknowledgment published in the book's introduction.

Thank you, NPSO members, chapters, and state organization, for your decades of partnership and support! Together we will bring information about Oregon's most precious and beautiful natural resource—its plant diversity—to all!

Please contribute through our [website](#) or by mailing a check (payable to Agricultural Research Foundation, with "OFP" on the memo line) to: OregonFlora, OSU Dept. Botany & Plant Pathology, 2701 SW Campus Way, Corvallis, OR 97331. End of year required distributions from retirement accounts can also be directed to OregonFlora and accrue tax benefits—see [here](#) for more information. -Linda Hardison

# Don't Miss the December 31 Deadline to Submit Your Native Plant Photos!

It's Time to Celebrate  
*Native Plant Appreciation Month*  
April 1-30, 2022

Ways to explore or learn more about Oregon's native plants ...

- ◆ Join your local Native Plant Society
- ◆ Attend a program or workshop
- ◆ Visit a native plant nursery or garden
- ◆ Volunteer for a restoration project
- ◆ Hike a natural area
- ◆ Add native plants to your landscape
- ◆ Purchase a new guidebook

Discover what your local NPSO chapter is doing  
[www.npsoregon.org](http://www.npsoregon.org)

Help us create a fabulous poster for Native Plant Appreciation Month 2023 by submitting two of your best Oregon native plant photos for the Native Plant Appreciation Month Poster Contest.

Entries must be mailed to [photosnpaw@gmail.com](mailto:photosnpaw@gmail.com). Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, scientific name, common name, photo location, and photo date). All entries must be received by December 31, 2022. Photos will be rated and selected by the poster committee based on subject matter, composition, and technical excellence. The poster designer has sole discretion of not using an image should it not work into the overall layout or is deemed not to be of satisfactory quality. The selected photographer(s) must be able to provide a high-resolution and preferably unedited (at least 300 dpi) version of the image and must allow NPSO to reproduce the image free of charge for our poster, website, and related publicity material.

If you have any questions, please email them to [photosnpaw@gmail.com](mailto:photosnpaw@gmail.com). -Judi Sanders

## NPSO Board Seeks Candidates

The NPSO Board strongly encourages new people to get involved with leadership positions. Please consider taking the opportunity to serve the NPSO by running for

election to one of the state-wide officer or at-large board of directors positions. Officer positions include President, Vice-President, Secretary, and Treasurer who serve one-year terms. Three Directors at-large are elected annually and serve two-year terms. If you, or someone you know, are interested, please send your questions or information about potential candidates to Dan Luoma by email at: [daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu) for more information.

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## Grant Proposals Requested

The NPSO will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state; and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival. Research proposals are due by March 1, 2023. The program policy and guidelines may be downloaded from <https://www.npsoregon.org/documents/grantguide.pdf> Questions about the Guidelines may be directed to [luomad@oregonstate.edu](mailto:luomad@oregonstate.edu).

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## Chapter Notes

### Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).

Check out our Facebook page at <https://www.facebook.com/NPSO.Cheahmill/>.

### Corvallis

For questions, information on upcoming events, or to be on the Corvallis Chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org). Find us on Facebook at [facebook.com/CorvallisNPSO](https://www.facebook.com/CorvallisNPSO).

**Monday, January 9th, 7:30 pm - 8:30 pm**

**Program: Oregon Department of Agriculture's Native Plant Conservation Program: A New Year's round up of our upcoming field projects**

**Speaker: Isaac Sandlin, Oregon Department of Agriculture, Native Plant Conservation Program**

**Location: Room 2062, Cordley Hall, Oregon State University Campus**

The new meeting room is near where we met previously. The new main entrance to Cordley Hall is now on the west side of the building via a new courtyard. There are also entrances on the northwest and southwest corners of the building. Some of the old

parking is gone, but there is parking across the street (Orchard Avenue) on the north side.

**Saturday, February 11th, 9:00 am - 3:30 pm**

**Event: Information Table at "Insights Into Gardening"**

**Table Sponsors: NPSO Corvallis Chapter members**

**Location: LaSells Stewart Center on the Oregon State University campus across from Reser Stadium.**

Table set up will take place on the morning of February 11th, before 9:00 am. Volunteers are needed to staff the table for our Chapter throughout the day. Contact Esther for more information at [estherco@peak.org](mailto:estherco@peak.org).

## **Emerald**

Visit the Emerald Chapter website at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists, and botanical information about Lane County plants and the people who love them. Our Facebook page is <https://www.facebook.com/emerald.nps/>.

**Monday, December 19th, 7:00 pm - 9:00 pm**

**Program: Holiday Social - Botanical Destinations and Stories**

**Location: Amazon Community Center**

Attendees are invited to bring up to ten photos on a flash drive to show and recount their botanical adventures over the year. Bring a snack or beverage to share. Beverages are provided. We try to make this a no-waste event so please bring your own beverage cup, small plate, utensil, and napkin if possible.

To protect our members, we request that attendees follow health precautions including wearing face masks indoors and refraining from attendance if experiencing any symptoms.

The Amazon Community Center is located at: 2700 Hilyard Street, Eugene, OR 97405

**Monday, January 16th, 7:00 pm - 9:00 pm**

**Program: Climate and plant-pollinator networks in the Cascade Range**

**Presenter: Melinda Vickers, Washington Department of Fish and Wildlife**

**Location: Online via Zoom**

Meadows in the Oregon Cascades are vital and threatened ecosystems that support a tremendous amount of both plant and pollinator diversity. Melinda Vickers' research used long-term research from the H.J. Andrews Experimental Forest to get a better understanding of how these networks of plants and pollinators are impacted by climate variation and what that might mean for their future. Zoom link to be published on Emerald Chapter website and distributed to members via email.

## **High Desert**

For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: [Native Plant Society of Oregon: High Desert Chapter](#), or email



[highdesertnps@gmail.com](mailto:highdesertnps@gmail.com). The new field trip coordinator is High Desert Chapter Vice President Jenifer Ferriel.

## **Klamath Basin**

For information on the Klamath Basin Chapter, contact [kb\\_president@npsoregon.org](mailto:kb_president@npsoregon.org), visit our website: <http://klamathbasinnps.com>, or find us on Facebook: [\(13\) Klamath Basin Chapter - Native Plant Society of Oregon | Facebook](#).

## **Portland**

Our members receive *The Calochortus*, our quarterly e-newsletter with field trips, programs, news, and events for the Portland area. If you are a Portland Chapter member and not receiving it, check your spam folder, or notify us at [npsopdxchapter@gmail.com](mailto:npsopdxchapter@gmail.com) if your email address has changed. You'll also find our monthly programs and additional field trips posted on our Meetup page at <https://www.meetup.com/NPSO-Portland/>. Our Facebook page is regularly updated with current wildflower bloom status and photos at <https://www.facebook.com/npsportland/>. Visit our chapter website at <https://portlandnativeplants.org/> for archived newsletters, program recordings, and merchandise in our Shop.

**Our monthly programs are now virtual.** Members will find links to register for our second Thursday Zoom presentations in each issue of the *state Bulletin* and in *The Calochortus*.

The Portland Chapter does not host Zoom Programs in July and August.

**Thursday, December 8th, 7:00 pm**  
**On-line Program: Annual Members Photo Show**

Calling Photographers from All NPSO Chapters! It's time to submit twelve to fifteen of your best shots of 2022. Longtime member Mike McKeag has generously volunteered to produce this special online event and asks you to have your photos to him by December 5th. Email him at [mmckeag@gorge.net](mailto:mmckeag@gorge.net) for simple instructions. Amateur and professional, people and plants, camera or phone shots, all are welcome. Show our newest members what NPSO has been up to this year!

Whether a contributor or just an observer, everyone must register to join the Zoom meeting! You'll receive an email with a link to join the session. Save it!

Register in advance:

<https://us06web.zoom.us/meeting/register/tZYkdu2hpszgiGtHGBwynNw1DezadJVlpj3Hn>

**Thursday January 12th, 7:00 pm**  
**Zoom Program: Portland Botanical Gardens: Connecting to our Natural World**  
**Presenters: Sean Hogan and Kate Bodin**

Sean Hogan and Kate Bodin introduce the Portland Botanical Gardens, an ambitious, nonprofit, multi-conservatory and multi-garden campus to be constructed in the Portland

metropolitan area within the next five years. Portland Botanical Gardens will strive to serve as a resource in horticulture, climate research, and environmental justice. It will foster partnerships with international conservation organizations and local gardens to create a space where people connect, discover, and celebrate the beauty, strength, and resilience of plants.

To register:

<https://us06web.zoom.us/meeting/register/tZMlde2uqTsiEtE9xdJMc3DCxSIjK3TQlY7K>.

**Sunday, January 15th, 12:00 pm - 3:00 pm**

**Event: 2023 Field Trips Planning Meeting**

**Location: Home of Roger Brewer, Southwest Portland**

Enjoy an annual chapter tradition that has survived pandemic times. This year it's a potluck lunch followed by brainstorming to find our favorite hikes and explorations to add to the 2023 calendar. You don't need to be a plant expert or have previous experience. We need you as an enthusiastic lover of native plants, a communicator, and an organizer. You can start as a co-leader mentored by other field trip leaders. If you don't know the plants, you'll get to know them soon enough. You'll have plenty of help from our knowledgeable and enthusiastic participants who are uncritical, happy to share, and happy to be out in nature with you. Enrich your life and others' lives. Keep a tradition alive. Step up to help your chapter. Contact us at [npsopdxchapter@gmail.com](mailto:npsopdxchapter@gmail.com) to RSVP or for more information.

## **Siskiyou**

To join the Siskiyou Chapter email list, send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike, make a suggestion, or provide feedback regarding the field trip program, please contact Katelyn Detweiler, [detweiler.katelyn@gmail.com](mailto:detweiler.katelyn@gmail.com). Join us on Facebook at <https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon>.

The Siskiyou Chapter has a YouTube channel; check it out at <https://www.youtube.com/channel/UCXF12J9yp2AYmUzNz0jLLSw>.

**Program/Meeting:** Programs run from September through May.

**Thursday, December 15th, 6:00 pm**

**Program: December Potluck & Program: Interactions Between Plants and Fungi—Good, Bad, and Indifferent**

**Speaker: Dr. Darlene Southworth**

**Location: Phoenix Grange located at 209 N. Main Street, Phoenix, Oregon**

Holiday trees such as conifers and oaks appear to be independent individuals. Trees and fungi are completely different organisms in terms of reproductive and vegetative structure, yet they often live together symbiotically. We'll examine the consequences of their interactions. Is a tree really a single organism? Feasting begins at 6:00 pm, program around 7:00 pm. Please bring a potluck dish, table service (plate, silverware, glass, cup),

and a food donation for the Talent Food Project. Please park in public parking places along the street or at the Phoenix Plaza Civic Center (the new white building across the street from the Grange). Free and open to the public.

Darlene Southworth has B.S. and M.S degrees in botany from the University of Michigan and a Ph.D. in botany from University of California Berkeley. She taught in the Biology Department of Southern Oregon University beginning in 1979. At that time her research was on pollen structure, but in 1999, she retired from teaching, fell in with a bad crowd of mycologists, and went underground studying mycorrhizal fungi and truffles associated with oaks. She finally and fully retired in January 2022.

**Thursday, January 19th, 7:00 pm - 8:30 pm**

**Program: Cannabis Cultivation and the Environment: Lessons and Opportunities**

**Speaker: Dr. Phoebe Parker-Shames**

**Sponsors: Rogue Valley Audubon Society and Siskiyou Chapter Native Plant Society of Oregon**

**Location: Southern Oregon University, Science Building, Room 161**

Join us for a research presentation and discussion about cannabis farming land use change in Southern Oregon and its ecological implications for wild flora and fauna. Dr. Parker-Shames will present some of her work studying outdoor private land cannabis farming in Josephine County during the early phase of recreational cannabis legalization. She will share some of the ecological lessons learned, ongoing research gaps, and opportunities to improve conservation outcomes in the cannabis industry.

Dr. Phoebe Parker-Shames (she/her) is an interdisciplinary researcher who grew up in Southern Oregon and studies the ecological outcomes of cannabis legalization. She is currently a postdoctoral scholar at University of California Berkeley working with Drs. Justin Brashares and Chris Schell. She is also part of the Cannabis Research Center at Berkeley. <https://www.drphoebe.org>. This program will also be provided via Zoom for people who cannot attend in person. To register for the Zoom: <https://bit.ly/npsos2022-23talks>.

## **South Coast**

**January 2023, Date and Time to be Announced to Members.**

**Meeting: Membership Meeting and First Potluck Birthday Party**

## **Umpqua Valley**

Visit [umpquavallevativenativeplants.com](http://umpquavallevativenativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](https://www.facebook.com/UmpquaValleyNPSO). Not online? - call Donna Rawson at 541-643-0364.

## **Willamette Valley**

**Saturday and Sunday, December 10th and 11th, 10:00 am - 4:00 pm**

**Field Trip: Silver Falls State Park Winter Festival**

**Leaders: Willamette Valley NPSO Chapter Members**

Members of the Willamette Valley Chapter of the Native Plant Society of Oregon will lead walks to view the conifers and hardwoods of Silver Falls State Park at 1:00 pm on both days of the Silver Falls State Park Winter Festival. Other festival activities include guided bird walks and talks, building bird nest boxes, making wreaths, and decorating gingerbread cookies. Activities will take place in the South Falls Day-Use Area and Smith Creek Village. All activities are free, but a \$5 parking permit is required. For more information about the Winter Festival, visit the events calendar at [stateparks.oregon.gov](http://stateparks.oregon.gov) or call 503-874-0201. For more information about the tree walks, contact John Savage at [wvnps@gmail.com](mailto:wvnps@gmail.com).

**Thursday, December 15th, 6:30 pm - 7:30 pm**

**Zoom Program: Pollination and Pollinators of Willamette Daisy and Western Oregon Prairies**

Dr. Tom Kaye from the Institute for Applied Ecology will discuss recent discoveries about the pollination biology of Willamette daisy (*Erigeron decumbens*), an endangered plant endemic to western Oregon, and some of the surprising results from pollinator observations in local prairies from 2019-2022.

Tom Kaye is Executive Director and Senior Ecologist at the Institute for Applied Ecology, a nonprofit organization with a mission to conserve native habitats and species through research, restoration, and education, and courtesy Associate Professor in the Department of Botany and Plant Pathology at Oregon State University. Tom conducts research on rare species reintroductions, pollination biology, habitat restoration, plant invasions, and plant population responses to climate change, and engages prison inmates in conservation through the Sagebrush in Prisons Project. Sourcing native plants for restoration is a key area of interest, research, and publication for Dr. Kaye. For more information and to register for this Zoom presentation, email John Savage at [wvnps@gmail.com](mailto:wvnps@gmail.com).

**Thursday, January 19th, 6:30 pm - 7:30 pm**

**Zoom Program: Greenbelt Land Trust: Prairie and oak conservation, restoration, and partnerships.**

The Corvallis-based Greenbelt Land Trust is one of the premier land trusts in Oregon. Carolyn Menke, Stewardship Manager at the Greenbelt Land Trust, will discuss the land trust's history, properties, and current prairie and oak restoration projects.

Carolyn came to Oregon from northern California in 2000. She went to graduate school at Oregon State University - focusing on rare plants, fire ecology, and invasive species. Carolyn taught at Western Oregon University and worked at the Institute for Applied Ecology as an ecologist, conservation planner, and deputy director. Carolyn joined the Greenbelt Land Trust in 2021. Her work at Greenbelt has focused on native species and habitat conservation, particularly in prairie and oak habitats. Her projects have included rare plant-focused research, long-term monitoring for Fender's blue butterfly, and regional multi-species conservation and recovery planning in the Willamette Valley and Thurston County, Washington. For more information and to register for this Zoom presentation, email John Savage at [wvnps@gmail.com](mailto:wvnps@gmail.com).



# William Cusick

Chapter notices and communications are done primarily through a Google group. For more information or to be added to the Google group, please contact Susan Geer at 541-963-0477 or [susanmgeer@gmail.com](mailto:susanmgeer@gmail.com). Our website is not currently functional.

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## Native Plant Interest Groups:

### Filipendula

For more information, visit our Facebook page: [NPSO-Filipendula Chapter](#)

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## NPSO State Officers

- President: Dan Luoma, [president@npsoregon.org](mailto:president@npsoregon.org)
- Immediate Past President: Lisa Blackburn, [past\\_president@npsoregon.org](mailto:past_president@npsoregon.org)
- Vice President: Gail Baker, [vice-president@npsoregon.org](mailto:vice-president@npsoregon.org)
- Secretary: Steven Yeager, [secretary@npsoregon.org](mailto:secretary@npsoregon.org)
- Treasurer: Michael Hartman, [treasurer@npsoregon.org](mailto:treasurer@npsoregon.org)
- Directors: Dave Garcia, Linda Hardison, Bruce Waugh, Karl Anderson, Lisa Blackburn, and Margaret Conover

## Committees & Chairs

- Budgets and Grants: [Dan Luoma](#)
- Conservation: [Dawn Anzinger](#)
- Friends Of The Oregon Flora Project: [Linda Hardison](#)
- Legislative: [Dave Garcia](#)
- Membership: [Margaret Conover](#)
- NPSO Fellows: Vacant
- Rare & Endangered Plants: [Jason Clinch](#)
- Bulletin Editor: [Faye Streier](#), Proofreaders: Kaitlin Andersen, Ken Berg, Camille Stewart
- Webmaster: [Sunia Yang](#)
- More information about our NPSO Fellows [here](#).

Chapter Presidents and contact information [can be found here](#).



Website



Facebook

