

Bulletin

of the

Native Plant Society of Oregon

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

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Filipendula -- the New North Coast Chapter of NPSO

by Kathleen Sayce

The 2014 NPSO Annual Meeting was held in Cannon Beach, Oregon. While organizing for this meeting, local botanical enthusiasts realized that there were many more than ten NPSO members in the region. We began organizing into a formal chapter in fall 2014. Activities are centered on Seaside, Oregon. Named Filipendula, for the endemic shrub *Filipendula occidentalis*, queen of the forest, this chapter's range closely follows the distribution of this species. Centered on Clatsop County, its range includes south Pacific County, just above the Columbia River, and Tillamook County to the south.

North coast plant communities include coastal dune grasslands, remnant dune prairies, sea cliffs, many types of wetlands, numerous riparian communities, including salt and freshwater

tidal areas, extensive coastal temperate rainforest, which covers the west side of the Coast Range, and balds on a number of peaks, with wildflower meadows, rock gardens and rocky cliffs. This area is south of the continental ice sheets of the Pleistocene, and north and west of areas traditionally burned by native tribes. It has a lush and diverse ecology on a rugged topography; we continue to find new species, new plant communities and range extensions of species from other regions.

Future outings include paddle trips as well as hikes, and winter hikes to look at ferns, bryophytes and lichens. Other planned activities include site listing of new areas for Lewis & Clark National Historical Park, and for North Coast Land Conservancy; both were very supportive in starting this chapter. This year's outings included a trip to Angora Peak, where a new population of *F. occidentalis* was found just before the 2014 Annual Meeting, and Gearhart Fen, where I saw *Menyanthes trifoliata*, buckbean, in flower for the first time.

Our communications are via Facebook, NPSO-Filipendula Chapter and email. Use Facebook to talk to us about outings and other events. Or contact Kathleen Sayce at fi_president@npsoregon.org. The coast is a resort area, we are accustomed to visitors from all over. Join us when you visiting the north coast of Oregon or south coast of Washington, and don't forget your rain gear.



KATHLEEN SAYCE

Filipendula occidentalis

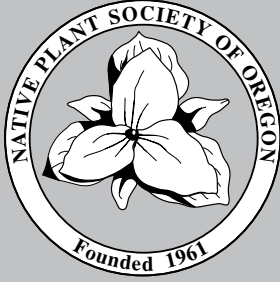
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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOOregon.org>

E-mail Discussion List

To join, send a message to majordomo@tardigrade.net, with the following in the body of the message: `subscribe npsos`

General Business Address

P.O. Box 902
Eugene, OR 97440
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Matt Morales
P.O. Box 80714
Portland, OR 97280

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Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

NPSO President's Message

by Kelli Van Norman

The other night more than 100 people gathered north of Corvallis to celebrate the publication of *Flora of Oregon Volume 1*. It was great seeing everyone, getting our books signed, and being in a room full of people just as excited as I am about the new flora. NPSO has been on board supporting a new flora of Oregon's vascular plants since Scott Sundberg first envisioned it in 1994, and Linda Hardison along with her dedicated staff carried it through. Many people, including NPSO members, have been personally involved and donated funds. But also important is the fact that we have a native plant society in this state with 800 to 900 members annually. NPSO's existence helped get the flora accepted for publication. Ours is a small, but respected organization. Please take a moment to renew your annual NPSO membership. You can now use the online payment process or the old-fashioned check-writing method...just be sure to maintain membership..

Reserve the date!



2016 NPSO Annual Meeting
July 15–17, 2016

McKenzie River Conference Center, Rainbow, Oregon

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty-minute drive from Eugene. Logo by Tanya Harvey.

IT'S STILL RENEWAL TIME

The NPSO membership year is January to December. Many of you have already renewed, but if you haven't yet, please do so before February 13, 2016 to ensure that you do not miss out on any of the *Bulletins*. Before you send in your renewal, it's a good idea to check the address label on this issue of the *Bulletin*. If it shows 2016 (or a later year) along the top, you are all set for the coming year and do not need to renew now.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Augusta Rockafellar and Jean Davis Memorial Scholarships are awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues. Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

NPSO CALENDAR

State Notes

NPSO State Board Meeting.

January 30, Saturday, 10 am-2 pm

Cheahmill Chapter will host our winter meeting. Location: Carnegie Room of the McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.) Parking lot entrances on Adams and 2nd Streets.

NPSO Annual Meeting 2016

July 15-17, Friday-Sunday

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty-minute drive from Eugene. Location: McKenzie River Conference Center, Rainbow, Oregon. For the most current information, visit the annual meeting website, <http://emerald.npsoregon.org/2016mtg>.

Blue Mountain

For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244.

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.

January 28, Thursday, 7 pm

Program: Naturescaping. Join us for a presentation and discussion on naturescaping, using native plants to enhance landscapes for beauty and wildlife. Clay Wesson brings knowledge gained previously as manager of the native plant nursery at Miller Woods, along with his current work in environmental consulting. He will share practical tips to help others reach their goals and present ideas to approach landscaping by incorporating more native plants.

Doors open at 6:45 pm for socializing, meeting/program starts at 7:00 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.) Parking lot entrances on Adams and 2nd Streets. For more information contact Lisa Blackburn, 503-538-3976 or blackburnlisag@gmail.com.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at http://npsoregon.org/documents/NPSO_waiver.pdf. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Jordan Brown at co_president@NPSOregon.org or 253-820-3934.

December 14, Monday, 7 pm

Holiday Potluck: Corvallis Annual Winter Party. Bring a dish to share and 20 pictures for the evening slide show of your favorite plant adventures. Location: Loren Russell's home, 3420 SW Willamette Avenue, Corvallis. Contact Loren for more information, 541-752-7558.

January 11, Monday, 7:30 pm

Presentation: Conserving Rare Willamette Valley Butterflies. (Rescheduled from April 2015) Conserving rare Willamette butterflies is all about the right plant in the right conditions. Dr. Paul Severns, Department of Botany and Plant Pathology at Oregon State University, will discuss interactions between native and exotic plants and three rare Willamette butterflies: Fender's blue, Taylor's checkerspot, and the great copper. Location: Avery House in Avery Park. For more information contact Jordan Brown at 253-820-3934 or brownj@science.oregonstate.edu

Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

Meeting Location: Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

December 17, Thursday, 7 pm

Event: Holiday Social and Picture Show: Bring 10 to 12 digital photos and a snack to share if you wish. Come and socialize with others who share

your interest in native plants. Location: Conference Room at Lane County Mental Health, see above for directions. For more information call Steven at 541-521-3964.

January 21, Thursday, 7 pm

Program: Hydrophytes — Water-Loving Plants Found in Wetlands in and Near Eugene. Long-time NPSO member Charlene Simpson discusses the types and values of wetlands and the plants found in them. She explores the origins of southern Willamette Valley clay soils and talks about plant adaptations to hypoxic conditions and inundation. The politics of the Clean Water Act and its effect on land in the West Eugene Wetlands is part of her story. She concludes with a brief look at biological pollutants — invasive exotic species that compete with natives. Charlene draws from her 35-year photo archive to illustrate her program. Location: Conference Room at Lane County Mental Health, see above for directions. For more information call 541-521-3964.

February 18, Thursday, 7 pm

Program: Getting To Know the Biscuitroots — *Lomatium* Botany, Ecology, and Human Relationships. "Biscuitroot", "cous", "Luksh", "wild celery", "desert parsley." These are just a few of the names used for the diverse species of the *Lomatium* genus, which covers a vast area of western North America. Heron Brae will dive into the identification, ecology, range, and historical and contemporary uses of *Lomatium* in our region, informed from Heron's own first-hand experience as a botanist and wild food forager. Pictures, stories, and tasty samples make this an experience for everyone to enjoy, beginner and seasoned botanist alike. Location: Conference Room at Lane County Mental Health, see above for directions. For more information call 541-521-3964.

Filipendula

This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page:

NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, colecarla@yahoo.com.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnps@gmail.com.

Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, kb_president@NPSOregon.org. 252.

January 7, Thursday, 6:30 pm

Meeting. Speaker and topic TBD. Visit our chapter website for updates.

February 4, Thursday, 6:30 pm

Meeting: An Update on Soil Survey Activities in Klamath County. Chris Gebauer will give an overview of ongoing soil survey work in Klamath County, some unique soils found in the area, and correlations between soils, ecological sites, and plant associations. We'll discuss some soil temperature and soil moisture studies that are part of the soil mapping project, and look at some examples of andisols, spodosols, vernal pool soils, organic soils, and their associated vegetative communities. Location: DOW 251 (Dow Center for Health Professions) on the OIT campus.

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc_president@NPSOregon.org.

December 17, Thursday, 6 pm

Meeting: Potluck and Pics! We will be sharing entrees and pictures with one another, with a suggestion to bring cookies or a dessert too. **Please note** there is an early start time and different meeting location: Art Center in downtown The Dalles, 220 E 4th Street, at the corner of 4th and Washington Streets (the former Carnegie Library).

For more information, contact Billy Don at 503-515-1708 or bdmeme@gmail.com.

There will be no chapter meeting in January.

Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at donjphoto@gmail.com.

Facebook: Take a look at our Facebook page. Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

Meeting location: The Portland Chapter meets the second Thursday of most months. **New meeting location for 2016:** Muir Hall, at the Mt. Tabor Presbyterian Church, SE 54th and Belmont (referred to as Taborspace). Enter the church through the main door off Belmont between 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of 54th and Belmont. Meetings and programs begin at 7 pm.

January 14, Thursday, 7 pm

Program: Alpine Flora of Turkey and Israel. Join Roger Brewer for a description of Turkey's central mountain area and Israel's Mt. Hermon and Hula Valley. The presentation includes digital photographs of the areas and their rich flora. **New meeting location,** see above for details: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

February 11, Thursday, 7 pm

Program: Montane Islands in a Desert Sea. Jan and Dave Dobak will give us a look at the flora of northern Nevada's Ruby Mountains and Wheeler Peak, as well as California's Lassen Volcanic National Park. **New meeting location,** see above for details: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

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. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2015, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).

January 21, Thursday, 7 pm

Program: Activism in an Age of Mass Extinction. Join us for a talk by Jay Lininger, M.S., fire ecologist and senior scientist with the Center for Biological Diversity. Our planet is in the midst of a mass extinction of plants and animals. Unlike past mass extinctions,

the current crisis is almost entirely caused and potentially solved by us — humans. The Center for Biological Diversity is devoted to protecting imperiled species and habitats through applied science and focused advocacy. Refreshments at 6:45 pm, meeting and program at 7:00. Location: Southern Oregon University Science Bldg., Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

South Coast

This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, sc_president@NPSOregon.org.

Umpqua Valley

Visit umpquavallemnativeplants.com for more information on chapter activities or

to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-459-2821.

Willamette Valley

For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.

William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.

OTHER EVENTS - UPCOMING NATIVE PLANT SALES

Yamhill Soil and Water Conservation District

February 4-6, Thursday-Saturday, Order ahead

Order forms and a new online ordering system will be online in December. In addition to ease of ordering, this system will allow you to verify availability firsthand. Each selection will be complete with a photo and description. For more information, visit yamhillswcd.org or call 503-472-6403.

Benton Soil and Water Conservation District

February 20, Saturday, Order by January 31

Each February the District distributes native plant seedlings at low cost to encourage the use of native vegetation. This year, we've chosen a narrower selection of plants, with a focus on supporting our native pollinators. Place your order by January 31. Pick up your plants on February 20, 8 am–1 pm. If you miss the order deadline, come to the native plant market, also on February 20, 8 am–4 pm. New location: Benton County Fairgrounds Livestock Building. For more information, visit bentonswcd.org/programs/plant-sale or call 541-753-7208.

East Multnomah Soil and Water Conservation District

February 20, Saturday, Order in January

Our Native Plant Sale is coming up! This year things will look a little different. We are excited to focus exclusively on bare-root trees and shrubs. This year's selection will also feature an expanded selection of drought-tolerant species! Order your plants online beginning on January 20, then pick them up on February 20. For more information, visit emswcd.org/native-plants/native-plant-sale or call 503-222-SOIL (7645).

2016 NPSO Annual Meeting Program Speakers

Saturday banquet keynote: Mark Egger, *Castilleja* taxonomist

Friday evening: Dave Kretzing, geologist and hydrologist

Mark Egger, research associate at the Burke Museum of Natural History in Seattle and retired science teacher, is the keynote speaker at the 2016 Annual Meeting Saturday banquet. Mark was selected because of his teaching and presentation skills as well as his expertise in the genus *Castilleja* and the related genera, *Orthocarpus*, *Cordylanthus*, and *Chloropyron*. Paintbrush (*Castilleja* species) is the featured plant of the meeting.

Mark has studied the genus *Castilleja* for over 30 years and has traveled extensively throughout North



SHARON RODMAN

Mark Egger with *Castilleja nivibractea* on the upper flanks of Cerro Quixobra Sierra Madre del Sur, Oaxaca, Mexico, August 2001.

America, Mexico, and Central and South America in his research. He has published numerous papers in botanical journals, including the description of nine *Castilleja* species new to science, two of which are endemic or primarily endemic to Oregon. He has authored the treatment of *Castilleja* for *Flora of North America* and *Plants of the Four Corners Region* and is preparing the same for *Flora of Oregon, Volume 3*, for the pending revision of *Flora of the Pacific Northwest*, and a new *Flora of New Mexico*. Mark also maintains an actively updated plant photo site on Flickr, flickr.com/photos/mark_egger_castilleja, including extensive sets of his photos of every species and variety of *Castilleja* occurring in North America north of Mexico, and of most of the species found in Mexico and the rest of Latin America.

The title of Mark's presentation is "An Introduction to the Taxonomy of *Castilleja* and Related Genera, and a Synopsis of the Species Found in Oregon and Adjacent Portions of Washington, Idaho, and California." Up to eight paintbrush species are documented from the McKenzie River area. Bruce Newhouse, annual meeting field trip chair, promises at least one species should be observed on every field trip!

Dave Kretzing, retired U.S. Forest Service hydrologist, will be Friday evening's speaker. His talk, "The Geology and Hydrology of the McKenzie River," will focus on the geology that formed the McKenzie basin and surrounding areas, explaining how geology has affected the McKenzie River from the Cascade crest to the valley floor. Dave will also tie in the geology to Saturday field trip locations.

Following his undergraduate degree in Earth Sciences from Pennsylvania State University, Dave worked in the Gifford Pinchot National Forest, the Rigdon Ranger District on the Willamette National Forest in Oakridge, the Malheur National Forest in John Day, then returned to the Willamette National Forest, Blue River and McKenzie Ranger Districts as zone hydrologist. He served in this capacity for 12 years. During his tenure with the Willamette National Forest, Dave participated in research management in partnership with the HJ Andrews Experimental Forest.

In 2009, Dave accepted a position as the hydropower coordinator for the Forest, continuing in this role until his retirement in the fall of 2012. He continues to be involved, volunteering at both the Gifford Pinchot and Willamette National Forests.

NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of director positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.



Phacelia argentea Under ESA Review

Phacelia argentea is a rare perennial that grows along the coast from Bandon, Oregon to Crescent City, California. It is found above high tide on open sand, partly stabilized sand dunes, and bluffs. Flowering from May to August, the white blooms provide food for and are pollinated by native bees. Commonly called silvery phacelia, its leaves have silvery hairs that appear to help repel salt and retain water.

There are fewer than 30 known populations of *P. argentea* left in Oregon, and these remain threatened by off-road vehicle traffic and human

development, as well as invasive European beach grass (*Ammophila arenaria*) and gorse (*Ulex europaeus*). The species is currently listed as threatened by the Oregon Department of Agriculture and has an ORBIC rare, threatened, and endangered list status of 1, which is reserved for taxa most at risk and threatened with extinction.

Supporting further protection for *P. argentea*, NPSO joined forces with seven other groups: the Center for Biological Diversity, Oregon Wild, Friends of Del Norte, Oregon Coast

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Benton County Earns Community Wildlife Habitat Status

by Esther Gruber McEvoy, Corvallis Chapter

Benton County qualified as the first in Oregon to become a National Wildlife Federation (NWF) Community Wildlife Habitat with help from the Corvallis Chapter of NPSO. In July 2013, groups and individuals came together under the umbrella of the Corvallis Sustainability Coalition to earn this certification. It was a year ago that the coalition received word from the NWF that it met the criteria for certification. We are the first Community Wildlife Habitat in Oregon and we did it in just within a year. The representatives from the NWF were impressed with the speed with which we were certified after filling the requirements.

The NWF requires four criteria for certification: food sources, water sources, cover for wildlife, and places to raise young. The hardest requirement for most people is to provide a water source. That means one has to have a bird bath or other water container with water year around if there is not a natural source of water nearby. We qualified with 228 individual Benton County property owners or renters and 93 common areas, including 16 farms.

Jefferson Elementary School, Waldorf School, Cheldelin Middle School, Crescent Valley High School, and College Hill High School all became certified.

Once certified, we have to continue every year to add people to the certification program and educate the public with information on wildlife habitat in the community. Benton County needed 500 points to get certified and received 612. The following businesses and organizations supported the effort to get the county certified: Benton Soil and Water Conservation District, Chintimini Wildlife Center, Willamette Gardens Native Plant Nursery, Institute for Applied Ecology, Audubon Society of Corvallis, Greenbelt Land Trust, Corvallis Chapter of NPSO, Neighborhood Naturalist, OSU Extension, Benton County Natural Areas, Shonnards Nursery, Beth Young's Garden Design, and Schmidt's Garden Center.

The Corvallis Chapter of NPSO maintains a native plant garden that encircles the Avery House at Avery Park and is now a certified Community Wildlife Habitat. Over the years the

native plantings in the garden have grown in to provide nesting habitat, food for wildlife, and cover. We have a patch of showy milkweed that may bring in the monarchs. We had a junco nest in our butterfly garden this year as well as a chickadee family and a wren family in our nesting boxes. If you use native plants and do not use pesticides or herbicides, the wildlife will grace your garden. If interested in more information about getting your backyard certified as wildlife habitat, check out the NWF certification online, nwf.org/How-to-Help/Garden-for-Wildlife/Community-Habitats.aspx.



Phacelia, cont'd

Alliance, the California Native Plant Society, the Environmental Protection Information Center, and the Klamath-Siskiyou Wildlands Center. In March 2014, these groups filed a petition with the U.S. Fish & Wildlife Service

(USFWS), requesting Endangered Species Act (ESA) protection. In July 2015, The USFWS issued the result of an initial 90-day finding, which determined that a more extensive 12-month status review will be conducted. The result of this review will determine whether ESA listing is warranted.

and endangered species of Oregon list. 2013. Available at <http://inr.oregonstate.edu/orbic/rare-species/rare-species-oregon-publications>. Accessed November 29, 2015.

Oregon Department of Agriculture *Phacelia argentea* Profile. 2014. Available at oregon.gov/ODA/programs/PlantConservation/Pages/AboutPlants.aspx. Accessed November 29, 2015.

U.S. Fish & Wildlife Service. 2015. Endangered and Threatened Wildlife and Plants; 90-Day Findings on 31 Petitions. Federal Register. 80: 37568–37579. To be codified at 50 CFR pt. 17.



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Phacelia argentea

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Center for Plant Conservation National Collection Plant Profile, *Phacelia argentea*. 2010. Available at www.centerforplantconservation.org/collection/CPC_ViewProfile.asp?CPCNum=3339. Accessed November 29, 2015.

ORBIC (Oregon Biodiversity Information Center) Rare, threatened

Citizen Science for Plant Buffs

Citizen science volunteer opportunities seem to be growing at an exponential rate, thanks to Web technology. For those who botanize, it can be an additional way to share and compare your observations with other like-minded souls. For scientists and land managers, it is a welcome information resource. Some of the projects currently available are described below, with information accessed from the respective project's website. Most of these projects have their data available online for anyone to view and use noncommercially.

Phenology

Oregon Season Tracker is an Oregon project with national partners. It was started in 2014 by the Oregon State University Extension program and the HJ Andrews Experimental Forest Long Term Ecological Research (LTER) Program. Volunteers collect data on plant phenology and precipitation around the state. To participate, you will need to attend a training workshop (in 2015, workshops were held spring/summer in western Oregon). Then choose a species from the list that you can observe on your own property, with priority for eight native species. Datasets and reporting are managed by the national partners, CoCoRaHS and Natures Notebook. The data are used to track weather patterns and how plants respond to changes in weather. To learn more, visit <http://oregonseasontracker.forestry.oregonstate.edu>.

Project BudBurst is a nationwide

network of citizen scientists. The project began in 2007 and is co-managed by the National Ecological Observatory Network (NEON) and the Chicago Botanic Garden. Volunteers provide data on plant phenology, reporting dates when they observe leafing, flowering, and fruiting. Reports are submitted online via forms to standardize the data. While there is a "Master List" of over 250 species, reports are accepted for any plant species. The data are collected for scientists to study how plant species are adapting to climate change. Learn more at budburst.org.

Season Spotter is a new project launched this past summer that is focused on North America. It is a partnership between Zooniverse, Harvard University, and NEON. You can contribute to this project without even going outside. A database of images is already online and volunteers are needed to identify seasonal features such as flowers, leaves, and cones. The images are taken daily by a network of automated cameras to monitor how plants are adapting to changes in weather and climate. No need to select a species, images needing analysis are loaded automatically to your web browser, along with a set of questions. Learn more on the project blog, <https://seasonspotter.wordpress.com> or get started at <http://seasonspotter.org>.

Invasive Species

The Early Detection Rapid Response (EDRR) Invasive Plant Volunteer

Program was started locally a few years ago. The Pacific Northwest Invasive Plant Council is working with the USDA Forest Service, Washington Department of Agriculture and other local conservation groups to manage EDDR, which is a nationwide program, in Oregon and Washington. Volunteers survey public lands for invasive species after they have attended a training session. During spring 2015, there were 10 training sessions in Oregon and Washington. For more information, visit <http://pnw-ipc.org/edrrlocal.shtml>.

iMap Invasives is managed by NatureServe, with partners in several states. Oregon's program was started in 2011 and is currently managed by Cascade Pacific Resource Conservation and Development. Data are shared with the Oregon Department of Agriculture's WeedMapper and the Oregon Invasive Species Hotline. The goal is to help natural resource managers control invasive species. Participants need to set up a user account in order to report sightings of invasive species and view other reports. Individual reports as well as spreadsheets and other large datasets are accepted. Alternatively, individual reports can be submitted to the Oregon Invasive Species Hotline without an account. Learn more at <https://sites.google.com/site/orimapresources>.

What's Invasive is an app for iPhone and Android that began with data for California in 2010 but has since expanded. It is a collaboration between the National Park Service, University of California, Los Angeles, and University of Georgia. Volunteers set up local sites (most are in the U.S.) to monitor for invasive species and each site has a list of species to report. You can contribute data for any existing site or set up your own site. Report invasive species by uploading a photo with GPS coordinates and comments. The data help public land managers monitor and control invasive species more effectively. To learn more, visit whatsinvasive.org.

Plan now for Native Plant Appreciation Week

Though the weather outside is frightful, the arrival of spring will be so delightful. While dreaming of spring, it's never too early to start planning for this year's Native Plant Appreciation Week, taking place April 24–30, 2016.

This is the largest coordinated public outreach event for the Native Plant Society of Oregon and an excellent opportunity for society chapters throughout the state to sponsor

workshops, hikes, plant sales, etc. and help increase their chapter's visibility and membership.

We all get much busier as the weather improves so now is the time to plan. Be sure to post your activities in the NPSO *Bulletin* and to let the NPAW Committee know about them as well. Email any information to Judi Sanders at judi.sanders@gmail.com.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

Is this a change of address? If so, please write your old address here:

Address _____

City _____ State _____ Zip+4 _____

Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Native Plant Society of Oregon

P.O. Box 80714

Portland, OR 97280

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

Membership is for the calendar year. New memberships enrolled after July 1 include the following year.

New

Renewal

Student – \$12

Regular – \$25

Family – \$35

Sustaining – \$60

Patron – \$125

Life Membership – \$500

Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

Leighton Ho Memorial Field Botany Fund \$ _____

Augusta Rockafellar Memorial Scholarship \$ _____

Rare and Endangered Plant Conservation Fund \$ _____

Friends of the Oregon Flora Project \$ _____

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to Membership@NPSOregon.org.

OFFICERS & COMMITTEE CHAIRS

STATE OFFICERS

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PRESIDENT Kelli Van Norman president@NPSOregon.org
IMMEDIATE PAST PRESIDENT..... Judi Sanders past_president@NPSOregon.org
VICE PRESIDENT Lisa Blackburn vice-president@NPSOregon.org; 503-538-3976
SECRETARY..... Rosalie Crowe secretary@NPSOregon.org
TREASURER..... Cyndi Dion 897 Hillview Dr., Ashland, OR 97520-3517; treasurer@NPSOregon.org; 541-482-8603

CHAPTER PRESIDENTS

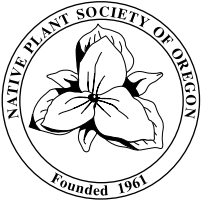
CHEAHMILL Susan Aldrich-Markham ch_president@NPSOregon.org; 503-537-0587
CORVALLIS..... Jordan Brown co_president@NPSOregon.org; 253-820-3934
EMERALD (Eugene)..... Steven Yeager..... em_president@NPSOregon.org; 541-521-3964
FILIPENDULA Kathleen Sayce fi_president@npsoregon.org; 360-665-5292
HIGH DESERT (BEND)..... Desiree Johnson hd_president@NPSOregon.org
KLAMATH BASIN Kim Elliott..... kb_president@NPSOregon.org; 541-331-5704
MID-COLUMBIA Sara Wu mc_president@NPSOregon.org
PORTLAND Nancy Chapman..... po_president@NPSOregon.org; 503-234-0162
SISKIYOU Kristi Mergenthaler si_president@NPSOregon.org; 541-941-3744
SOUTH COAST Alexis Brickner sc_president@NPSOregon.org
UMPQUA VALLEY (Roseburg)..... Neal Hadley uv_president@NPSOregon.org; 541-679-8889
WILLAMETTE VALLEY (Salem) John Savage wv_president@NPSOregon.org; 503-399-8615
WM CUSICK (La Grande) Susan Geer wc_president@NPSOregon.org

STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860
CONSERVATION, EAST SIDE..... Billy Don Robinson bdmeme@gmail.com; 503-515-1708
CONSERVATION, WEST SIDE..... vacant.....
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; hardisol@science.oregonstate.edu; 541-737-4338
LEGISLATIVE Billy Don Robinson bdmeme@gmail.com; 503-515-1708
MEMBERSHIP..... Matt Morales P.O. Box 80714, Portland, OR 97280; membership@NPSOregon.org
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon fellows@npsoregon.org
RARE & ENDANGERED PLANTS Jason Clinch..... rareplants@npsoregon.org

PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... bulletin@NPSOregon.org
BULLETIN PRODUCTION Cat Mead..... cat@featherforge.com
KALMIOPSIS EDITOR vacant..... kalmiopsis@NPSOregon.org
WEBMASTER Sunia Yang webmaster@NPSOregon.org



Send change of address notices
and membership requests to:

Native Plant Society of Oregon
Matt Morales, Membership Chair
P.O. Box 80714
Portland, OR 97280

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Friends of the Oregon Flora Project

It's been a busy and productive year for the Oregon Flora Project!

- We added 108 more species to our *Oregon Wildflowers* identification app
- Our website has been updated with a new version of the Checklist, >48,000 occurrences in the Atlas, and 1,152 new images in the Photo Gallery
- We have partnered with Portland Metro and the Oregon Department of Agriculture to develop information about gardening with native plants

AND...

- We published Volume 1 of the *Flora of Oregon*!

We are grateful for the support of the NPSO and its members. Together, we are making the Oregon Flora Project the “go to” source for the most current information about Oregon’s native and naturalized plants. We rely on your continued participation and support in the coming year to help us provide this information to the public and to complete Volumes 2 and 3 of the *Flora*. Thank you!

Checks can be made payable to Agricultural Research Foundation with “OFP” on the memo line, and mailed to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333.