



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 43, No. 1

FEBRUARY 2010

### Stu Garrett of High Desert Chapter Is Latest NPSO Fellow

*by Rhoda Love, NPSO Fellows Committee*



part in a Columbia Gorge hike led by the late, indefatigable Ruth Hansen. At that time, NPSO had but a single chapter in Portland; however, when Stu subsequently moved east of the Cascades to set up his medical practice in Deschutes County, he met others there who were interested in botanical exploration, and they banded together

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As Bulletin readers are aware, ANPSO's highest award is that of Fellow of the Native Plant Society of Oregon.

Since NPSO first established the award in 1998, 19 members of our society have received this honor, with a ceremony and a special plaque presented at an annual meeting. The following members have been honored from 1998 through 2009: John Robotham, Keith Chamberlain, Ruth Hansen, Kenton Chambers, Wilbur Bluhm, Karl Urban, Frank Lang, Charlene Simpson, Veva Stansell, Rhoda Love, Jerry Igo, Charlene Holzwarth, Russ

Jolley, Barbara Robinson, Joan Fosback, Mildred Thiele, Lois Hopkins, Mary Carlson and Frank Callahan. You can read about the recipients and their accomplishments in past issues of our journal *Kalmiopsis*, archived at our Web site: [NPSO.org](http://NPSO.org).

I am pleased to announce that the latest honoree will be Dr. Stu Garrett, co-founder of the High Desert Chapter in Bend, who was nominated by Berta Youtie. In her letter of nomination, Berta writes that Stu first became acquainted with NPSO in 1976 when he was a resident at Oregon Health Sciences University in Portland and took



## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message:  
subscribe nps

### General Business Address

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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.

## Learn to ID Plants in the Field Near Eugene

This will be the 11th year for the Spring Plant ID class, taught by Marcia Cutler of NPSO's Emerald Chapter.

"Identification of Plants in the Field" will meet on Wednesday afternoons in April and May from 4-7 pm through Lane Community College in Eugene. Exact dates TBA.

This class focuses on plant ID and keying and is spent entirely in the field, meeting at parks and natural areas within 20 miles of Eugene-Springfield. Subjects will include plant families, botanical terminology, keying to a specific plant (using Gilkey and Dennis's *Handbook of Northwestern Plants*), habitat and ecology.

This is a community education class; no tests, no term papers (yea!) but no credit (boo!). The class is great both for beginners and for more experienced folks who want to practice keying, want a refresher course, are new to the area, etc. Any level of expertise is welcome.

The first class will meet at the LCC main campus, 4000 E. 30th Ave. Classes 2-8 will meet in various field locations.

For more information/details on the class, see the LCC spring 2010 catalog (which hopefully will be printed by the time you see this in the NPSO *Bulletin*). You can also check LCC's Web site at [www.lanec.edu](http://www.lanec.edu) or contact Marcia Cutler at 541-687-2559, [mar\\_c@efn.org](mailto:mar_c@efn.org). For info on registration, call the LCC downtown center, 541-463-5252.

## Arizona native plants

Planning a trip to Arizona? The Arizona Native Plant Society puts out a splendid newsletter. You can see the latest version at [www.aznps.com/documents/09.12Hap\\_000.pdf](http://www.aznps.com/documents/09.12Hap_000.pdf)



*Tall Oregon-grape (Mahonia aquifolium or Berberis aquifolium) will bloom in mid-spring with bright yellow flowers. The fruit of this evergreen shrub can be used to make jelly and wine. The state flower of Oregon, Mahonia aquifolium is considered invasive in some locations, including central Europe (Invasion Success by Plant Breeding by Christel A. Ross).*

JOCelyn DUFFY

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter  
Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

## Corvallis

If you have questions about any of these programs or would like to join the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

**February 8, Monday, 7:30 pm**

**Meeting: Lichen ID workshop** with Bruce McCune, Department of Botany and Plant Pathology, Oregon State University. Using his book *Macrolichens of the Pacific Northwest* (McCune and Geiser, 2009), McCune will guide us in basic techniques of lichen ID, including the use of spot reagents. This will be hands-on, so come prepared with lichen specimens and a hand lens. Other helpful items to bring include forceps, a razor blade, a copy of *Macrolichens of the Pacific Northwest*, and a dissecting microscope. Don't miss this opportunity to learn from the best! Avery House Nature Center. Contact Laurel Moulton [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com)

**February 20, Saturday, 10 am-noon**

**Workshop: Herbarium workshop** with Dick Halse sorting herbarium vouchers for the annual herbarium exchange. Oregon State University, Cordley Hall, Room 1064. Please come to the west door of Cordley by 10 am. Contact Esther McEvoy at 754-0893.

## Emerald

**February 6, Saturday, 10 am**

**NPSO State Board Meeting: Lane Community College in Eugene.** Go to room 117 in the Science Building. If traveling on I-5 take exit 189 at 30th Avenue in South Eugene. Go around to the uphill side of the campus to

parking lot L. For campus map see [www.lanec.edu/mpr/locations/mc.htm](http://www.lanec.edu/mpr/locations/mc.htm). For more directions call Dave at 541-345-5531.

**February 8, Monday, 7:30 pm**

**Meeting: Sand Mountain Fire Lookout.** Don Allen of the Sand Mountain Society gives historical information of the Sand Mountain Fire Lookout near Santiam Pass and tells of his efforts to protect the surrounding area from off-highway vehicle damage. EWEB Training Room, 500 East 4th Ave., Eugene. Call 541-746-9478.

**February 27, Saturday, 9 am**

**Field trip: Mount Pisgah.** View early

### 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. For a sample copy check out the NPSO website. 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. 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.

wildflowers and see habitat restoration work on the floodplain of the Coast Fork of the Willamette River. The walk is 3 miles, and we will see *Enemion stipitatum* (dwarf isopyrum) in bloom. Bring snacks and water. Meet at 9 am at the Mount Pisgah Arboretum. For more information call 541-345-5531.

**March 15, Monday, 7:30 pm**

**Meeting: "Wildflowers of the Marys Peak Meadows."** Scientist Steve Carpenter will discuss the plant ecology, botanic history, geology and weather of Marys Peak, the highest promontory of the Coast Range. EWEB Training Room, 500 East 4th Ave., Eugene. Call 541-746-9478.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

For more information, visit the chapter  
Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com).

**February 11, Thursday, 7 pm**

**Slide show: Our first-ever member slide show.** Come find out what your fellow Mid-Columbia NPSO members have been seeing during the past year. Bring your own pictures to share. Board Room, Building 1, Columbia Gorge Community College in The Dalles.

## North Coast

For information on the North Coast Chapter call Vivian Starbuck at 503-377-4141.

The North Coast chapter has no

meeting for February. We are a small group and mostly keep in touch by phone. We look forward to spring and getting out with our group. Keep up your good work, and happy New Year.

## 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.

**February 11, Thursday, 7 pm**

**Talk: Wildflowers of the Wasatch Mountains of Utah.** These mountains provide amazingly accessible views of alpine and subalpine flowers. Tanya Harvey has captured wonderful images of these plants, which range from familiar natives to local endemics, in a slide presentation. She'll also offer her cards and ornaments for sale. Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Church lot parking OK. Information: Billy Don Robinson, 503-515-1708.

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to oregonbk@mind.net.

**February 18, Thursday, 7:30 pm (refreshments at 7:15)**

**Talk: Rare Bryophyte, Lichen and Mushroom Species of Southwest Oregon.** The Klamath Siskiyou region is famous for its flowering plant biodiversity, but the nonflowering plants and fungi are just as remarkable. Scot Loring, rare plant botanist, will discuss mosses, liverworts, lichens and mushrooms. Talk follows brief meeting. Room 171, Science Building, Southern Oregon University, Ashland. Contact Kristi Mergenthaler at 541-941-3744.

**February 27, Saturday, 10 am**

**Winter Ecology Walk: Wagner Creek Loop Trail.** Join botanist Kristi Mergenthaler and birder Frank Lospalluto for a half-day stroll along the Wagner

Creek Loop Trail. Focus on twigs, lichens, mosses and birds while investigating a beautiful riparian forest. Meet at Tark's parking lot in Talent at 10 am to carpool to site. Free, but space is limited. Co-sponsored by the Klamath Bird Observatory. Call Northwest Nature Shop to register: 541-482-3241.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

**February 11, Thursday, 7 pm**

**Presentation: Geology and Plant Communities.** Join Larry Broeker (Umpqua National Forest) and Craig Tozer (Wildlife Safari), two intrepid geologists, as they talk about unique geological formations and the plant communities associated with them. Room 1, Mercy Community Education Building, 2459 N.W. Stewart Parkway, Roseburg. Contact Donna Rawson at 541-459-2821.

## Willamette Valley

Contact John Savage at [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org) for information on upcoming events.

**February 18, Thursday, 7-8:30 pm**

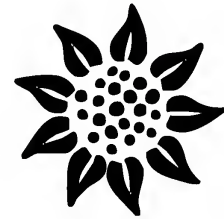
**Program: Green Landscaping: Healthy Yards, Healthy Streams.** Learn about environmentally-friendly landscaping alternatives to lawns. Deborah Topp, natural resource outreach specialist with the city of Salem, will discuss rain gardens and other landscaping options that reduce pollution, conserve water and create a haven for birds, pollinators and other wildlife. The program, sponsored by the Friends of Straub Environmental Learning Center and the Willamette Valley chapter, will be held at Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool, near North Salem High. The program is open to the public. Cost is \$5 and registration is required. To register, call 503-391-4145. Contact Lisa Olivares at 503-391-4145 or John Savage at 503-399-8615.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

**February 25, Thursday, 7 pm**

**Chapter meeting: Baker City Library.** Program to be announced later.



*Stu Garrett, continued from page 1*

to found NPSO's second chapter, in Bend.

Stu was the president of the High Desert Chapter for more than ten years as well as acting as field trip chairman and conservation committee chairman. He also organized two annual meetings during this time. Stu is given credit for our quaint tradition of swearing in new board members with a hand on Hitchcock's Manual! Stu also deserves kudos for the founding of our annual journal, *Kalmiopsis*, in 1991, for which he served on the editorial board for ten years. In addition, Stu has an outstanding record in conservation of eastside habitats and floras. A great deal more could be written about Dr. Garrett, and NPSO members can look forward to a lengthier biographical piece in the 2010 issue of *Kalmiopsis*.

Please consider attending the NPSO annual meeting at the Hancock Field Station near Clarno May 14-16 to congratulate Dr. Stu Garrett as he receives his well-deserved NPSO Fellow award.

## OTHER EVENTS

### Ashland Parks & Rec classes

Classes meet at the North Mountain Park Nature Center, 620 N. Mountain Ave., Ashland. Registration required. Information: 541-488-6606; [www.NorthMountainPark.org](http://www.NorthMountainPark.org)

**Tuesdays, February 2 to March 2, 6:30–8:30 pm**

Sustainable Landscape Practices: Landscape Architect Bonnie Bayard explores plant design considerations, plant composition, lower-maintenance landscape ideas, and going beyond xeriscape. \$60

**Saturday, February 13, 10 am–12:30 pm**

Winter Twig Identification: During winter, the beauty of dormant plants is often overlooked. Learn how to identify native deciduous trees and shrubs using clues including buds, leaf scars, fruit and overall architecture. Instructor is botanist Kristi Mergenthaler. \$10

### Emerald chapter, Rock Garden Society

**February 2, Tuesday, 7 pm**

Flora of Steens Mountain in Southeastern Oregon: Dave Predeek is a native plant enthusiast who retired from the Forest Service. He is a longtime member of both NPSO and the Obsidians, and has hiked alpine areas all over Oregon. Dave will show slides of the beautiful alpine flora on this isolated fault-block mountain in Oregon's high desert. Eugene Garden Club, 1645 High St. Sponsored by the Emerald chapter of the North American Rock Garden Society. Free and open to the public. Contact Tanya at 541-937-1401 or [wild.iris@att.net](mailto:wild.iris@att.net).

### Eugene Natural History Society

Free events are in room 100, Willamette Hall, University of Oregon.

**Friday, February 19, 7:30 pm**

Historic climate change: Find out about dramatic climate crises of the past at the society's February talk by Greg Retallack, paleobotanist and expert in paleosols at the University of Oregon. Through the fossil record, Greg will show definitive evidence for climatic crises in the past 300 million years. Sometimes the results included massive species eradication.

**Friday, March 19, 7:30 pm**

Find out how the native turtles of Oregon are faring in modern times. Sue Beilke, wildlife biologist and herpetologist, will talk about these tenacious yet vulnerable ancient species.

### Mount Pisgah Arboretum

*The arboretum is in Lane County's Howard Buford Recreation Area, 34901 Frank Parrish Road, Eugene. Information: 541-747-1504.*

**Sunday, February 14, 1-3 pm**

Life Among the Mosses walk: This walk is the annual celebration of the elfin world of mosses, liverworts and lichens. Botanist David Wagner will tell moss stories and weave lichen yarns. Rain or shine. Meet at the Arboretum visitors center. \$5.

**Sunday, February 21, 1-4 pm and Sunday, February 28, 1-3 pm**

Nature Photography in a Digital World: Making the move into digital photography? Professional photographer David Stone will take the mystery out of the camera and show how to take amazing outdoor photos. If you want more information about your camera, bring your instruction book. If you are contemplating buying a digital camera, this workshop will help you make an informed selection. Rain or shine, Arboretum visitors center. \$25/\$20 members.

**Saturday, March 6, 10 am–noon**

Singles walk: Get to know Mount Pisgah in winter with Tom LoCascio,

arboretum site manager. Enjoy great vistas while meeting new friends. Singles of all ages are welcome for this vigorous hike. Wear sturdy shoes, and bring water and snacks. Rain or shine, Meet at Arboretum visitors center. \$5.

**Saturday March 13, 10 am–noon**

Signs of Spring walk: Rhoda Love leads an easy winter walk to search for the signs of spring. Willows in bloom near the river? Filberts or osoberry (*Oemlaria cerasiformi*)? You may spot the rare dwarf rue anemone in the shade of a large maple. Rain or shine, Arboretum visitors center. \$5.

### Iris Trek 2010

**Monday & Tuesday, June 14-15**

The Society for Pacific Coast Native Iris's 2010 Trek will take place in the hills near Roseburg during the height of the wildflower season. Each day, vans will ferry the 48 participants to see especially good sites for *Iris chrysophylla*, *I. innominata*, *I. tenax* and several hybrids. Deadline to register is May 1. Cost is \$105 and includes box lunches for both days. A downloadable registration form is at [www.pacificcoastiris.org/framesoc.html](http://www.pacificcoastiris.org/framesoc.html).

### North American Butterfly Association

**Monday, February 1, 7:30 pm (7 pm refreshments and chat)**

Bee All That You Can Bee! Pollinator Gardening for the Masses: Learn about butterflies and other pollinators, the plants they need and local garden tips from Bruce Newhouse. What plants do they need or want? Can you grow pollinator plants in your garden? Are there other things you need to do to attract pollinators and give them (and me) a healthy life? EWEB Training Center 500 East 4th Ave., Eugene.

# 2010 NPSO Annual Meeting Information

by Berta Youtie

The High Desert Chapter is planning a very exciting annual meeting in a remote location May 14–16. We hope for a moist spring that will lead to carpets of wildflowers at their peak.

The meeting site is Hancock Field Station, Clarno, in Wheeler County – 2 miles from the John Day River. Hancock is one of Oregon Museum of Science and Industry's field camps.

## Accommodation details

- Lawrence Memorial Grassland Maximum number for meals: 109.
- Cost of dormitory accommodations Friday and Saturday night plus Friday light dinner, Saturday three meals and Sunday breakfast: \$140
- Board meeting lunch: \$10
- Cost per night (dormitory cabins, 10 tent sites, 10 small RV sites): \$50
- Cost for meals on Saturday: \$25 (\$10 dinner, \$10 breakfast, \$5 box lunch)
- Sunday breakfast and lunch: \$10 each
- Friday night snacks: \$5 (you may want to bring additional food)
- You can bring your own beer and wine, but you must remove bottles and cans.

## Alternative accommodations:

### Camping

Free camping on BLM land along the JFree primitive camping on BLM land along the John Day River (west side downstream from the Clarno Bridge). Gravel and dirt road will be marked and signed. We will try to camp as a group. Site will be marked. High clearance vehicle needed.

Free camping is also available at the Wheeler County Fairgrounds in Fossil.

Paid camping: Fossil Trailer Park, 541-763-4075

### Motels

Shaniko (45-minute drive):

Shaniko Hotel, 541-489-3441. This hotel has been for sale and may not be open in May.

Fossil (30-minute drive):

Bridge Creek Flora Inn and Fossil Lodge. 12 guest rooms \$75-\$95. 541-763-2355, fossilinn@centurytel.net

Fossil Motel and Trailer Park, 541-763-4075

Wilson Ranches Retreat B&B (about 15 minutes from Fossil), 866-763-2227 or 541-763-2227

Condon: (60-minute drive):

Hotel Condon: Historic elegance, 541-384-4624 or 800-201-6706

## Other details

- Parking at the field station is limited. Plan on carpooling from your campsite or motel.
- No dogs at Hancock
- Bring camp chair, sunscreen, flashlight, water bottle
- Bring coolers with plenty of ice and water. There is water on site but no ice.
- Nearest gas and stores are in Madras, Shaniko and Fossil
- No cell phone coverage

## Saturday evening banquet

Saturday evening's banquet speaker is Ellen Morris Bishop, geologist, program director of the Oregon Paleontology Institute and author of *In Search of Ancient Oregon* and other books. She will discuss how plants have influenced and controlled Earth's climate and landscape for the past 2 billion years.

## Saturday field trips

### Trip 1: Painted Hills (8:30 am-4:30 pm)

John Day Fossil Bed National Monument. Educational coordinator and hobby botanist Michelle Ordway will lead a hike into the backcountry of the Painted Hills. Expect a 3-plus-mile moderate loop hike with approximately 800 feet of elevation gain while exploring the diverse microhabitats of clay hills, basalt canyons and rocky slopes. Several John Day Valley endemic species such as barrel cactus, John Day chaenactis and yellow hairy paintbrush should be blooming. This is an unusual

opportunity to have permission to visit the backcountry. This trip will have a van for the 1 hour, 25 minute drive from Hancock.

### Trip 2: Hancock Field Station Hike (8:30 am-3:30 pm)

This hike will be led by a knowledgeable Hancock staff member. A local botanist will be on hand to identify the blooming wildflowers. Hike from the field station through the John Day Fossil Beds Clarno Unit toward Laurel Canyon. At possibly 5-plus miles, this may be a strenuous hike. See lots of wildflowers and paleo sites such as the best preserved beds for fossilized nuts in North America.

### Trip 3: Lawrence Memorial Grassland Preserve (8:45 am-4:00 pm)

Stu Garrett will lead a field trip to the Nature Conservancy's Lawrence Memorial Grassland Preserve. The preserve is a rare remnant of the land as it appeared to the pioneers. Tall native bunchgrasses are the dominant vegetation on the deep soil biscuits. This time of the year bitterroot, big-headed clover and many species of lomatiums are blooming on the shallow scablands. Drive half an hour from Clarno. Hike a fairly easy 3.5 miles.

### Trip 4: Spring Basin Wilderness Area (9:00 am-4:00 pm)

Trip will be led by Aaron Killgore of Oregon Natural Desert Association (ONDA) and Berta Youtie, Eastern Oregon Stewardship Services. Spring Basin, a gem in the John Day Basin, is Oregon's newest wilderness area. In spring the hills are covered with blooming wildflowers, several endemic or uncommon to Oregon such as barrel cactus (*Pediocactus nigrispinus*). Drive 15 minutes to trailhead. Hike will be moderately strenuous, lots of up and down for 5-plus miles.

### Trip 5: Paleontology and Geology (9:15 am-4:00 pm)

Ellen Morris Bishop. Explore a unique badlands and fossil site near the John Day River south of Clarno. Requires driving on BLM roads, and

short but occasionally rigorous hikes. Find fossils, explore the evidence of 45 million years of climate and ecosystem change and volcanic eruptions, and see evidence of vast landslides that changed the river's course. Short hikes, but wear boots. A local botanist will join the trip.

**Trip 6: Warm Springs Confederated Tribe, Pine Creek Ranch  
(9:30 am-3:30 pm)**

Leaders: Brigitte Whipple (tribal anthropologist) and Rick Hayes (conservation area manager). Members of the Confederated Tribes will discuss cultural uses of plants and ranch purchase, management and restoration. The ranch is adjacent to Hancock Field Station. Short hikes.



## Girl Scouts Now Can Earn a Native Plant Patch

If you're interested in native plant education for young people, here is a way to get involved:

A new program encourages partnerships between Girl Scouts and local National Garden Clubs, in which the Scouts will learn what plants are native to their area, how to preserve and protect them, and which invasive species may be in their locale. Local National Garden Clubs will offer resources and partnerships. The girls are encouraged to take on native plant projects, such as native plant gardens, and to seek help in completing their project requirements from native plant societies, horticultural professionals, and county extension services.

See [www.gardenclub.org/Youth/GirlScoutPatch.aspx](http://www.gardenclub.org/Youth/GirlScoutPatch.aspx), or e-mail Patrice Lineberger, Girl Scout Liaison for the National Garden Clubs (PALtwinmom@alumni.Clemson.edu). Local chapters of the Oregon Federated Garden Clubs, Inc. may also be contacted for information.

## 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 the end of February to ensure that you do not miss out on any of the *Bulletins* or the 2010 issue of *Kalmiopsis*. Before you send in your renewal, check the address label on this issue of the *Bulletin*. If it shows 2010 (or a later year) along the top, you are all set and do not need to renew now.

This is 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 Rockefeller 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 Items for Sale

**Native Notecards.** Beautiful, high-quality notecards with art by Terry Peasley, Cheahmill chapter member, are available. Eight cards are offered through NPSO's Cheahmill chapter: trillium horizontal, trillium vertical, fawn lily, red columbine with hummingbirds, varied thrush on oak, kingfisher on red osier dogwood, Bewick's wren on Douglas spirea, and western tanagers on oak. See the cards at [www.terrypeasleyart.com/pages/cards](http://www.terrypeasleyart.com/pages/cards). The cost is \$3 each including envelopes, or 4 for \$10. Contact Marna Porath at P.O. Box 726, Amity, OR 97101, [marna@onlinemac.com](mailto:marna@onlinemac.com) or 503-835-1042.

**Booklets on Gardening with Native Plants.** Emerald Chapter's three booklets about native plants of the southern Willamette Valley are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." \$8.00/set of three, mail order. Individual booklets sold from the NGAP booth at Down-To-Earth, or by check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. Also see online in PDF format at [www.emeraldnpso.org](http://www.emeraldnpso.org) Click on "Gardening with Native Plants."

**Field Guide to Shrubs of Southwest Oregon.** An 80-page, pocket-sized field guide identifies 56 of the most frequently-encountered shrubs in SW Oregon, and describes each species in detail with words and photos, including habitat, leaves, twigs, fruit, and flowers. Dichotomous keys, illustrations of common plant parts and glossary included. Janet Walker, NPSO Siskiyou chapter member, and Max Bennet, Forestry Agent with Jackson/Josephine Counties. \$7/copy; checks payable to "OSU Extension Service." Mail to Shrub Guide, Jackson County Extension, 569 Hanley Rd., Central Point, OR 97502.

**Poseidon's Necklace.** Don Begnoche, Siskiyou chapter, has issued an Oregon field guide covering the coastal section, mile by mile, from Astoria to Brookings. Genesis of the coastal landscape and flora found on dunes, headlands and montane slopes; over 500 landscape and floral photographs as well as geologic maps and illustrations. PDF format on a CD. \$19.95 + \$2.50 s/h. Mail checks to Don Begnoche, 439 Herbert St., Ashland, OR 97520

# In Memory of Frederick Ronald Hatt

by Donna Rawson, president, Umpqua Valley

Known to family and friends as Ron, Frederick Ronald Hatt passed away Thanksgiving morning, November 26, 2009. Ron was born in Richmond, Calif., served in the Air Force and raised his family in the San Francisco Bay Area.

He was passionate about anything he set out to accomplish. Some of those accomplishments included sailing and working as an amateur botanist and photographer. He was an avid nature lover.

Ron joined the Umpqua chapter soon after moving to Oregon in 2003. He served as chapter president as well as chapter vice president and member at large for the state NPSO board. He was proud to boast that the Umpqua chapter was able to maintain its members from year to year, largely due to his efforts to personally talk with every new member he signed up.

He led many of the chapter's field trips, taking pictures along the way, even from the roadside when he did



The late Ron Hatt, right, pauses during an NPSO hike on Fairview mountain on July 7, 2007, that featured hikers from both the Umpqua Valley and Emerald chapters. At the left is Richard Summer, another member of the Umpqua Valley chapter who died last year.

not have the energy to hike the trail. He was instrumental in establishing the native plant garden at the Roseburg VA Medical Center.

Ron spearheaded the chapter's opposition to the natural gas pipeline proposed to go through a field of *Calochortus coxii* in the Bilger Creek/Myrtle Creek area.

The Umpqua Valley Chapter is grateful to have benefited from Ron's contributions. We will greatly miss his energy, passion and leadership.

## Highlights of the October 24 State Board Meeting in McMinnville

by Rhoda Love, NPSO Fellows Committee

It was a gorgeous fall day for the drive to McMinnville for the meeting; the forests and fields were aflame with fall color in the bright sunshine. At the McMinnville Public Library our hosts, members of Cheahmill Chapter, had coffee and brunch waiting for us, and we had a chance to tour the impressive native plant garden the chapter has created surrounding the Library.

President David Lebo called the meeting to order. Following chapter reports, we heard an impressive presentation from Linda Hardison on the Oregon Flora Project. Much progress has been made: 700,000 atlas records will be downloaded early in November, and the atlas program will appear online in a revised form. Treatments of the Gymnosperms and the Ericaceae have been completed for the much-anticipated Flora of Oregon, and the complete checklist will be online early in 2010.

Clay Gautier reported that NPSO membership, at 894 members, is the highest it has been since 2002. Dan Luoma stated that our financial balance is healthy. Rhoda Love showed a copy of our next occasional paper, *Urbanizing Flora of Portland Oregon 1806-2008* by John Christy et al., which was published at the end of 2008. Rhoda also reported that our next NPSO fellow will be Dr. Stu Garrett, founder of High Desert Chapter, who will receive his award at next May's annual meeting. The board voted to ask the Willowa National Forest to honor Oregon botanist Georgia Mason (1910-2007) by placing her name on a geologic feature in the Willowa Wilderness.

Other business: NPSO's conservation chairmen are: westside: David Lebo and eastside: Duncan Thomas. Discussion took place on size and number of bulletins per year, with no definite conclusion. The board supported a suggestion of a monthly reminder for articles in the bulletin to a targeted mailing list (developed from suggestions from the chapters). It also approved a letter to protect botanical values in the Columbia River Gorge National Scenic Area in support of the "Andrus Letter" opposing construction of a casino in the Gorge.

The next State board meeting is scheduled for Saturday, February 6, at Lane Community College, Eugene.

# 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:

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City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

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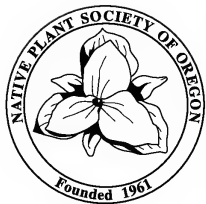
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## Friends of the Oregon Flora Project

The latest issue of the *Oregon Flora Newsletter* is available on our Web site. It contains a pull-out guide to the photo gallery and the new atlas. Thanks go to Rhoda Love (editor) and Rena Schlachter (production assistant) for their fine work on the newsletter. As we start our 16th year of publishing, we are changing to two issues per year.

[www.oregonflora.org](http://www.oregonflora.org)

The Oregon Flora Project is developing information about the plants of Oregon.

The contributions people give of their time and financial resources are a crucial part of our operating budget. If you would like to be a part of the team that makes the OFP the marvelous resource it is, please contact us at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org), or call 541-737-4338.

Please send written correspondence to: Oregon Flora Project, Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR 97331-2902. Contributions may be mailed directly to: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219. Please make checks payable to the Agricultural Research Foundation, and include "Oregon Flora Project-4482" on the memo line.



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 43, No. 2

MARCH 2010

*Editor's note: Wally Hansen, who owned and operated Wallace W. Hansen's Northwest Native Plants in Salem for two decades, died on July 14, 2009. This article is an example of his folksy yet informative style as found in catalogs and on the nursery's Web site. The nursery is still open, operated by his children.*

## Lacy White Flowers: The Good, the Bad and the Deadly

by Wallace W. Hansen



2006 GERALD D. CARR COURTESY OF OREGON FLORA PROJECT

*Heracleum lanatum, taken in Benton County, McDonald Research Forest, Corvallis*

**Please use great caution around white lacy wildflowers!**

Some are friendly and beautiful (cow parsnip), some are beautiful and invasive (Queen Anne's lace), and some are beautiful and invasive and deadly (the hemlocks and giant hogweed). Do not touch any of these plants unless you can positively identify them. Keep children and animals away from them. When it comes to white lacy wildflowers, **KNOW YOUR PLANTS!**

**The Good:** Cow parsnip (*Heracleum lanatum*) is a wonderful flowering perennial, excellent for the back of the flower bed. The lush, green leaves emerge in early spring, and are followed by flower stalks up to 5 feet tall. The blooms, 1-1½ foot across, are a fabulous basis for flower arrangements (put one in the vase instead of a frog!), and the dried seed heads are excellent

craft material—they look like big snowflakes. A most unusual addition to autumn decorations.

**The Bad:** Queen Anne's lace (*Daucus carota*) has a sweet bloom, similar to cow parsnip but much smaller, rarely reaching more than 5 inches across. Each bloom is really a group of clusters of tiny white flowers; each stem has a red heart right in the center of the bloom clusters. While this plant

*continued on page 2*

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**IF YOU HAVEN'T RENEWED FOR 2010,  
YOUR MEMBERSHIP WILL LAPSE SOON!!!**

Look at the label on this Bulletin. If "2009" appears along the top edge, this is the LAST Bulletin you will receive. If you don't want to miss out on any of this year's **Bulletins**, or **Kalmiopsis**, please send in your dues payment right away!



## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe nps

### 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.

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### Bulletin of the Native Plant Society of Oregon

Editor: Fran Gardner  
Layout Artist: Jocelyn Duffy

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

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.

*Lacy White Flowers, continued from page 1*

is not poisonous, it is invasive and extremely hard to eradicate due to the strong, deep taproot and the fact that the seeds are much like Velcro and stick to anything that brushes against them. Often they hitchhike in the fur of cats and dogs, sometimes burrowing deep into the pelt until they reach the skin. If left there they usually cause irritation and, ultimately, infection. However, this plant can be kept within bounds by simply picking the flowers! They are lovely when pressed or dried in a medium that will preserve their shape. If you add a few drops of food coloring to their water in a vase, the flowers will become tinted with the color.



Seed cluster of the *Daucus carota*, taken in Benton County, Corvallis

**The Deadly:** The hemlocks—poison hemlock (*Conium maculatum*), water hemlock (*Cicuta maculata*) and bulbiferous hemlock (*Cicuta bulbifera*)—and giant hogweed (*Heracleum mantegazzianum*) are dangerous as well as invasive. All parts of these plants are extremely poisonous.

If plant is identified as one of the hemlocks or giant hogweed, take care not to allow any part to touch skin and do not breathe the pollen. Cover face and arms completely, wear gloves, and dig or pull the entire plant. Place immediately in plastic bags, tie securely



Poison hemlock (*Conium maculatum*), in Josephine County, Deer Creek Center, Selma

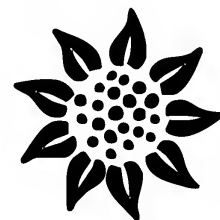
and put into the garbage can. Do not compost. Even dried, hemlock retains its poisonous properties.

In case of suspected hemlock or giant hogweed poisoning, contact a poison control center and obtain emergency medical assistance as quickly as possible. Poisoning may result in seizures and convulsions that must be controlled to preserve normal ventilation and cardiovascular function. Death can occur in as little as 15 minutes after ingesting even a small part of the plant.

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A chart describing the similarities and differences among these plants is on Hansen's Web site, [www.nwplants.com](http://www.nwplants.com). Click the "Lacy White Flowers" link.

--Reprinted with the permission of the Hansen nursery.



# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

### March 25, Thursday, 7 pm

**Meeting: Everything about Ericaceae.** NPSO Fellow Wilbur Bluhm will give a slide show on the plant family Ericaceae. Ericaceae, the heath (or heather) family, is one of most fascinating and colorful of Oregon's native plant families. Various genera and species of this family grow in Oregon from seashore to mountain range summits and border to border. It includes some of the more common and useful cultivated native species, and some that are difficult to grow. Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

### May 27, Thursday, 7 pm

**Meeting: 20 Years in Malheur.** Past chapter president Karen Sturgeon will give a slide show on 20 years of botanizing in the Malheur area. As a botany professor at Linfield College, Sturgeon led field trips to Harney County, including Steens Mountain, the Alvord Desert, Mickey Basin and Cottonwood Creek. Come see the amazing diversity of wildflowers found in juniper woodland, shrub steppe and desert scrub vegetation zones, in lithosols ("Indian grocery stores") and on alkaline playas, and learn about their adaptations to these challenging environments. Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

If you have questions about any of these programs or would like to join the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

### March 8, Monday, 7:30 pm

**Meeting: Use of conservation detection dogs** for surveys of a threatened prairie plant, Kincaid's Lupine. Presenter: Dave Vesely, a wildlife ecologist who is co-director of the Oregon Wildlife Institute. Dave and colleagues trained three dogs to search for Kincaid's lupine. Their results suggest that conservation detection dogs can be a useful tool for surveying threatened plants. Information: Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>.

### 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. For a sample copy check out the NPSO website. 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. 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.

*Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.*

### February 27, Saturday, 9 am

**Field Trip: Mount Pisgah.** View early wildflowers and see habitat restoration work on the flood plain of the Coast Fork of the Willamette River. The walk is 3 miles. We will see *Enemion stipitatum* (dwarf isopyrum) in bloom. Bring snacks and water. Meet at the arboretum at 9 am. Information: 541-345-5531.

### March 15, Monday, 7:30 pm

**Meeting: Wildflowers of the Marys Peak Meadows.** Scientist Steve Carpenter will speak on the plant ecology, botanic history, geology and weather of Marys Peak, the highest promontory of the Coast Range. EWEB Training Room, 500 E. Fourth Ave., Eugene. Information: 541-746-9478.

### April 3, Saturday, 9 am

**Field Trip: Bryophytes and Spring Flora of Sweet Creek Falls.** Rob Weiss leads a tour of Sweet Creek to observe bryophytes (mosses) and other plants. The hike is 2 to 4 miles and one of the most accessible areas to observe bryophyte diversity. The lily *Erythronium revolutum* will be in bloom. Bring lunch, hand lens and rain gear. Meet at South Eugene High School at 9 am or at the lower Sweet Creek trailhead at 10 am. Information: 541-752-1362.

### April 19, Monday, 7:30 pm

**Meeting: Touring One of the World's Biodiversity Hotspots—the Southwest Australian Floristic Region.** Presenters: Gail Baker and Clay Gautier. The Southwest Australia Floristic Region (SWAFR) is internationally recognized for its exceptional plant diversity. It's also renowned for its stunning spring wildflower displays. Taking a close look at the plants of the kwongan heath; mallee shrublands; and wandoo, jarrah and Karri woodlands, discussion

will include important botanical reserves including Badgingarra National Park, Kalbarri National Park, Stirling Range National Park, and Dryandra Woodland Reserve. We'll also consider the question of how a landscape with so little topographic relief and such old, highly weathered soils can have so many species. EWEB Training Room, 500 E. Fourth Ave., Eugene. Call 541-344-8377.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

### Events for the High Desert Chapter in 2010

March: Berta Youtie will show us plants of Australia. Date to be determined.

April 5, 7 pm: Linda Gilpin will talk about mushrooms in central Oregon at the Bend library, Brooks Room

April: hike with M.A. Wilson to Alder Springs

April or May: Mushroom identification field trip

May 14-16: Annual Meeting, Hancock Field Station, Clarno

June: Native grass identification with Berta Youtie. Date to be determined.

July 17: Hike through the B&B burn with Paul Edgerton

Aug: Sandy Wyman will lead a hike identifying willow and riparian grasses identification. Tentative.

Sept: Picnic. Date to be determined.

Oct: Gene Hickman hike through old-growth juniper in north Bend

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

For more information, visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com).

To sign up for e-mail notices of impromptu field trips and detailed information about upcoming meetings, send e-mail to Hanna Metzger ([hannam@gorge.net](mailto:hannam@gorge.net)).

### March 11, Thursday, 7 pm

**Meeting: Rare Plants in the Columbia River Gorge and the east Cascades Region.** Paul Slichter will show photos of rare plants in the mid-Gorge and east Cascades and discuss monitoring efforts with an emphasis on Washington State's Rare Care model. Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

### April 25, Sunday, 10 am to 4 pm

**Event: Annual Mid-Columbia Chapter wildflower show.** Plants identified and arranged primarily by location, collected from sites on both the Washington and Oregon sides of the Columbia River; includes a slide show of each site. American Legion Hall, Mosier.

## North Coast

For information on the North Coast Chapter call Vivian Starbuck at 503-377-4141.

## 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](mailto:donjphoto@gmail.com).

### March 11, Thursday, 7 pm

**Meeting: Bark conservation update.**

Celebrating 10 years of protecting Mt. Hood National Forest, Bark organizer Amy Harwood will discuss one of the largest threats to the Mt. Hood National Forest. If allowed, the Palomar Pipeline will result in a 47-mile clear-cut across old-growth forest, the wild and scenic Clackamas River, and the Pacific Crest Trail. Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Church lot parking OK. Info: Billy Don, 503-515-1708.

### March 13, Saturday, 8:30 am

**Field Trip: Catherine Creek.** The premiere early flower spot in the Gorge, with *Olsynium douglasii* in profusion, *Fritillaria pudica*, *Lithophragma glabra*, several *Lomatiums* and many others. Leave at 8:30 am from Gateway MAX station, corner of Northeast Pacific Street and 99th Avenue. Or meet at Catherine Creek at 10 am. Drive 120 miles round trip drive; easy walking 3 to 4 miles, with 500 foot elevation gain. Information: Jan and Dave Dobak, 503-248-9242.

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to [oregonbk@mind.net](mailto:oregonbk@mind.net).

### March 18, Thursday, 7 pm

**Herbarium: The Southern Oregon University Herbarium, Room 206 in the Science Building, will be opened**

## Plan now for Native Plant Appreciation Week

Oregon's sixth annual Native Plant Appreciation Week will be April 25-May 1, 2010. It's just in time to help you get geared up for the annual meeting, May 14-16.

Native Plant Appreciation Week is an excellent opportunity to educate the public about the nature and significance of native flora. Your local chapter is encouraged to sponsor public outreach programs such as demonstrations, hikes, workshops and plant sales. Be sure you get your event to the NPSO calendar and that you check the calendar for exciting activities sponsored by other chapters!

by NPSO volunteers for a half hour before the March, April and May chapter meetings. To arrange access at other times call the curator, Steve Jessup, 541-552-6804, or Connie Battaile, 541-488-0368.

### March 18, Thursday, 7:15 pm

**Program: Truffles in southern Oregon, hidden diversity and complex mutualism.** Come explore the intriguing diversity of hypogeous fungi (truffles) in southern Oregon with researcher Jonathan Frank, who will visit such topics as ectomycorrhizas, systematics and species identification in these hidden ecologies. Southern Oregon University, Science Building, room 171. Refreshments at 7:15pm; annual meeting for business, including election of officers, and presentation at 7:30. Information: Kristi Mergenthaler, 541-941-3744. **Note:** Campus security locks the science building promptly at 7:30. Plan to come a few minutes early to enjoy the refreshments and good company — and so you can get in!

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

### March 11, Thursday, 7 pm

**Program: Buckwheats of the Umpqua National Forest.** Umpqua Forest botanist Richard Helliwell will present a talk about a new buckwheat recently discovered in the high rocky elevations in Douglas County. He will share a process he went through to describe the new species. We will learn what buckwheats (family Polygonaceae, genus *Eriogonum*) are and what separates them from other plants. We will see an array of photos of various buckwheats. Room 1, Mercy Community Education Building, 2459 N.W. Stewart Parkway, Roseburg. Information: Donna Rawson, 541-459-2821.

### March 13 Saturday

**Field trip.** Richard Helliwell will lead a field trip. Destination to be determined by Richard, but you can be sure

of seeing plenty of flora and learning a thing or two along the way. Information: Sam Friedman, 541-673-0589.

### March 21 Sunday 9:00 am

**Workday: Native Plant Garden.** Join us at the Veterans Affairs complex native plant garden. We are continuing to get the garden ready for spring and summer. Bring gardening tools and lunch if you wish. Spend a couple of hours with members and other volunteers enjoying the garden. Information: Donna Rawson, 541-459-2821.

## Willamette Valley

Contact Lisa Olivares, 503-391-4145, or John Savage, 503-399-8615 for program information.

### Thursday & Friday, March 11 & 12, 7 to 8:30 pm

**Program: Nature Photography.** Award-winning professional photographer Joel Zak will teach students how to create photographic images that “capture, command, and compel.” The two-part class will illustrate the art of seeing and cover composition, lighting, timing and other elements. The class will meet at the Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool near North Salem High. Open to the public. Cost is \$5; registration is required. To register, call 503-391-4145. The Friends of Straub Environmental Learning Center and the Willamette Valley chapter of NPSO are co-sponsors of the class.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

### March 25, Thursday, 7 pm

**Meeting: Historical Plants.** Gary Dielman, a Baker County historian, will give a presentation regarding historical plants (mentioned in Oregon Trail diaries), and plants encountered during his mountain hiking adventures in Eastern Oregon. Crossroads Art Center, 2020 Auburn Ave., Baker City.

## New NPSO Members

Between September 23, 2009 and January 10, 2010, NPSO added these new members:

### Corvallis

Joe Cannon  
Eve & Bob Gill  
Lin Gu  
Rachel Snyder  
Mindy Trask  
Ronald Wrolstad

### Emerald

Mary Beth Averill  
Jackie Chama  
Tom Cramer  
Shirley & Vic Favier  
Katura Reynolds  
Deanna Robinson

### Member at large

Kathy Darrow

### Mid-Columbia

Penelope Repko

### Portland

Bob Allen  
Alys Allwardt  
Carol Baumann  
John Brockway  
Ed Bunch  
Taya Cummins  
Jan Curry  
Mark De Forge  
Robert T. Federspiel  
Linda Hendrickson  
Noah Herlocker  
Janet Johnson  
Ron Klump  
Bethany Lund  
Sharon Parker  
Bill Price

### Siskiyou

Bill Danley  
Claudia Hill  
Gretchen & Bob Hunter  
Lee Webb

### Umpqua Valley

Robert Blakey

### Willamette Valley

Bob Bradley  
Brent Desgrosellier  
Victoria Gordon

# Good Things Come in Small Packages

by Tanya Harvey, Emerald Chapter

Waiting for spring is hard for most people but especially difficult for those of us who are passionate about wildflowers. Even the smallest of plants blooming in late winter or early spring can set our hearts flutter with spring fever.

Here are a few of these tiny treasures. Were these little annuals to bloom in mid-summer alongside showy paintbrushes and penstemons, we probably wouldn't even see them. But blooming as they do in March (in the lowlands of western Oregon), they are a heavenly sight—even if you do have to get down on your hands and knees to see them!

*Spring whitlow grass (Draba verna) covers open, gravelly, or disturbed areas with its teeny rosettes. The little notched 4-petaled flowers and the tiny seed pods that follow both identify it as a member of the mustard family.*



ALL PHOTOGRAPHS BY TANYA HARVEY



*Water chickweed (Montia fontana) can form thick mats in creeks, seeps, or vernal pools. Its fleshy leaves are a common characteristic of members of the family Portulacaceae.*



*Glaucous spring beauty (Claytonia exigua ssp. glauca) is an uncommon plant that grows in mats of moss on top of rocks. Also a member of Portulacaceae, its fleshy leaves, normally blue-green, often turn red.*

# Meet the Candidates for NPSO Board Positions

The NPSO Nominating Committee offers the following list of candidates for the state offices. Ballots must be returned to the Ballot Counting Committee postmarked by **April 1**. Newly elected individuals will assume office during the Annual Meeting.

## President:

**David Lebo (Portland)** is our current president and former president of the Klamath Basin NPSO chapter. David has given presentations on lichens, fungi, and bryophytes to the Portland and Siskiyou NPSO chapters. He earned an MS in forest ecology from the University of Washington and currently works as the westside zone botanist for the Mt. Hood National Forest. David has taught courses in botany and ecology at the Oregon Institute of Technology, Marylhurst University, and the Siskiyou Field Institute, and has been hiking, climbing, and botanizing throughout the Pacific Northwest for 25 years.

## Vice-President:

**Judi Sanders (Corvallis)** is originally from the Roseburg area and received her bachelor's degree from the University of Oregon. She did her graduate work in California and spent her career there. After retiring from the Communication Department at Cal Poly Pomona, she returned to Oregon and was drawn to join NPSO by her interest in wildflowers and gardening. Judi has been chair of the Native Plant Appreciation Week (NPAW) committee the last four years and is looking forward to continuing her leadership contributions to NPSO (particularly getting more people involved with the NPAW "committee").

## Secretary:

**David Barts (Portland)** is a self-taught barefoot naturalist and native plant specialist. He loves biking and organizing for a more just and sustainable Portland. He is a computer programmer for money and someday would like to work full-time teaching people about the natural world.

## Treasurer:

**Cyndi Dion (Siskiyou)** a 32-year resident of Ashland, grew up in Oakland, California. Cyndi's grandmother, a cactus enthusiast and inveterate gardener, instilled in her granddaughter a great love of all plants. Cyndi's favorite memory of her grandmother is accompanying her in the evening to watch the blooms open on a 20+ foot night-blooming cereus planted by her grandmother next to the chimney at their home in Oakland. Cyndi is incumbent treasurer and has 25 years of experience in bookkeeping and accounting. Cyndi was treasurer of the board for the Southern Oregon Land Conservancy for five years in the '90s, owned her own bookkeeping and accounting service in Ashland for 14 years, and was the former accounting manager for Jefferson Public Radio. Currently, Cyndi is the business office manager for the Oregon Shakespeare Festival, overseeing all accounting functions for a \$22 million not-for-profit corporation. She has held this position for the past ten years.

## Directors-at-Large:

**Rhoda Love (Emerald)** became a member as soon as she learned of the organization's existence in the early 1970s. She was tapped for state president in 1980 when she completed her PhD in ecology at the University of Oregon, and she served for several terms. She has also served as state secretary and as board member-at-large. Rhoda has been an active member of Emerald Chapter for over 30 years. She is a retired teacher of botany and ecology who has no plans to give up her lifelong active involvement in conservation issues. Rhoda was honored by NPSO in 2001 as a Fellow of the Society.

**Lisa Blackburn (Cheahmill)** was born and raised in California. She earned a MS degree in range management with an emphasis in botany and soil science from the University of California at Davis, and came to Oregon to work for the Bureau of Land Management as a range conservationist. She retired from the BLM Oregon office two years ago, and joined the Native Plant Society of Oregon last year. She is secretary of the Cheahmill chapter. Lisa's love of nature began in childhood from family vacations each summer traveling and camping throughout the western United States.

**Esther McEvoy (Corvallis)** founded the NPSO Corvallis Chapter in 1982 and has served the state organization in several capacities. She was Legislative Committee chairwoman for ten years and was instrumental in efforts to pass Oregon's Endangered Species Act. Esther has also served as chapter president several times and has botanical experience working out of the Burns BLM office.

## Wanted: Plant of the Year

Here is a big opportunity: you can submit an essay on a favorite native plant to be the next Plant of the Year in Oregon. It's a big honor, and if your photo is good enough, it could land on the cover of *Kalmiopsis* (its not *Rolling Stone*, but Rhoda Love tells us that the public library in The Dalles displays its copy of *Kalmiopsis* in a glass case!). Refer to recent issues of *Kalmiopsis* for length and content of the articles (Dangly Fen Sedge, Green-flowered Wild Ginger, Oregon Grape, California Buckeye, Basin Wildrye), and write to [kalmiopsis@npsoregon.org](mailto:kalmiopsis@npsoregon.org) with your ideas. With the variety of wonderful native species in this state, you've got to have a favorite or two. Don't be stingy; share them with us!

—Cindy Roché, *Kalmiopsis* Editor.



# 2010 NPSO Annual Meeting Information

by Berta Youtie

The High Desert Chapter is planning this year's annual meeting May 14–16 at Hancock Field Station, Clarno, in Wheeler County. Hancock is one of Oregon Museum of Science and Industry's field camps. See the February *Bulletin* for details on accommodations and the Saturday evening banquet.

## Saturday tour

Chris Jensen of the U.S. Forest Service will give a tour of the Clarno hardwood production beds from 4:30 to 5:30 p.m. These are the stool beds for native willow and cottonwood for all eastside BLM offices and national forests.

## Saturday field trips

### Trip 1: Painted Hills (8:30 am–4:30 pm)

John Day Fossil Bed National Monument. Educational coordinator and hobby botanist Michelle Ordway will lead a hike into the backcountry of the Painted Hills. Expect a 3-plus-mile moderate loop hike with approximately 800 feet of elevation gain while exploring the diverse microhabitats of clay hills, basalt canyons and rocky slopes. Several John Day Valley endemic species such as barrel cactus, John Day chaenactis and yellow hairy paintbrush should be blooming. This is an unusual opportunity to have permission to visit the backcountry. This trip will have a van for the 1 hour, 25 minute drive from Hancock.

### Trip 2: Hancock Field Station Hike (8:30 am–3:30 pm)

This hike will be led by a knowledgeable Hancock staff member. A local botanist will be on hand to identify the blooming wildflowers. Hike from the field station through the John Day Fossil Beds Clarno Unit toward Laurel Canyon. At possibly 5-plus miles, this may be a strenuous hike. See lots of wildflowers and paleo sites such as the best preserved beds for fossilized nuts in North America.

### Trip 3: Lawrence Memorial Grassland Preserve (8:45 am–4:00 pm)

Stu Garrett will lead a field trip to the Nature Conservancy's Lawrence Memorial Grassland Preserve. Tall native bunchgrasses are the dominant vegetation on the deep soil biscuits. This time of the year bitterroot, big-headed clover and many species of lomatiums are blooming on the shallow scablands. Drive half an hour from Clarno. Hike a fairly easy 3.5 miles.

### Trip 4: Spring Basin Wilderness Area (9:00 am–4:00 pm)

Trip will be led by Aaron Killgore of Oregon Natural Desert Association (ONDA) and Berta Youtie, Eastern Oregon Stewardship Services. Spring Basin is Oregon's newest wilderness area. In spring the hills are covered with blooming wildflowers, several endemic or uncommon to Oregon such as barrel cactus (*Pediocactus nigrispinus*). Drive 15 minutes to trailhead. Hike will be moderately strenuous, lots of up and down for 5-plus miles.

### Trip 5: Paleontology and Geology (9:15 am–4:00 pm)

Ellen Morris Bishop. Explore a unique badlands and fossil site near the John Day River south of Clarno. Requires driving on BLM roads, and short but occasionally rigorous hikes. Find fossils, explore the evidence of 45 million years of climate and ecosystem change and volcanic eruptions, and see evidence of vast landslides that changed the river's course. Short hikes, but wear boots. A local botanist will join the trip.

### Trip 6: Warm Springs Confederated Tribe, Pine Creek Ranch (9:30 am–3:30 pm)

Leaders: Brigette Whipple (tribal anthropologist) and Rick Hayes (conservation area manager). Members of the Confederated Tribes will discuss cultural uses of plants and ranch purchase, management and restoration. The ranch is adjacent to Hancock Field Station. Short hikes.

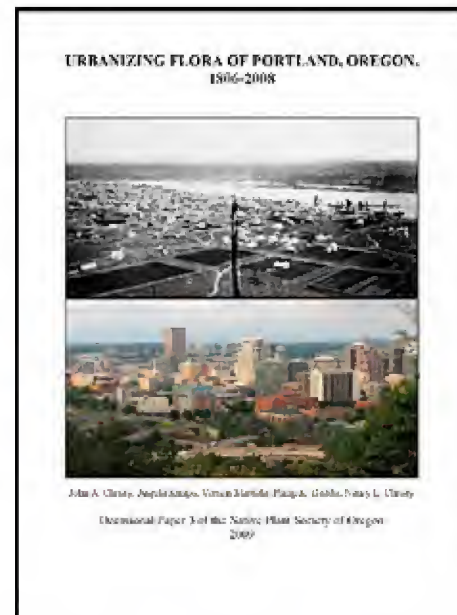
# Now Available: NPSO Occasional Paper 3

## *Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.

by John A. Christy, Angela Kimpo, Vernon Marttala, Philip K. Gaddis, and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation since 1806. A total of 1,556 taxa in 125 families are represented. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by planners and land managers.



Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.

Orders: Prepaid only

Contact: John Christy

7050 SW Canyon Crest Drive  
Portland, OR 97225-3623

john.christy@oregonstate.edu

Please remember to include your mailing address and telephone number.

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Phone \_\_\_\_\_ E-Mail \_\_\_\_\_

Chapter (if known) \_\_\_\_\_

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

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City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair

3927 Shasta View St.

Eugene, OR 97405-4442

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 – \$18  Family – \$24
- Sustaining – \$50  Patron – \$100  Life Membership – \$500
- Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

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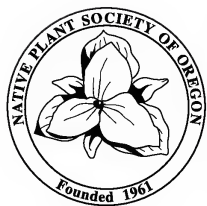
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## Photo Gallery at Oregon Flora Project

As the field season approaches, we hope you will find occasion to use the Oregon Flora Project's resources. The Photo Gallery has thousands of images representing more than half the plant diversity of the state. The new Atlas offers more data, higher-resolution maps, and downloadable spreadsheets of search results. The Rare Plant Guide presents field-oriented fact sheets about many of Oregon's most threatened species. And a draft of some of the first Flora of Oregon text to be presented online—a dichotomous key to the grass genera—can also be found on the Web site.

Later this spring, the OFP will be launching a fundraising drive. This—as is any time!—will be an excellent opportunity to show your appreciation for the high quality work the Oregon Flora Project provides and to ensure that it will continue. Contributions can be made payable to: Agricultural Research Foundation (include "OFP-4482" on the memo line) and mailed directly to the foundation at: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 43, No. 3

APRIL 2010

## Australian Wildflowers: Unique, Beautiful and Diverse

by Gail Baker and Clayton Gautier

**S**nottygobble, emu bush, prickly poison, bitter quandong, *Goodeiaceae*, *Haemodoraceae*, and *Dasygogonaceae*. Seeing unfamiliar plants and traveling in landscapes often dominated by eucalyptus, acacia, or grass trees excited and challenged our Northern Hemisphere plant ecology and botanical knowledge daily as we explored plant communities in Western Australia (WA).

**Why would plant-geeks visit Australia?** This part of the globe draws plant enthusiasts with its stunning spring wildflower displays. The Southwest Australia Floristic Region (SWAFR) is internationally recognized for its exceptional plant diversity (Hopner and Gioia, 2004). It offered us new perspectives on plant evolution, speciation, and ecological distributions. Because many of the species are restricted to the Southern Hemisphere, we were also able to broaden our knowledge of



PHOTO BY GAIL BAKER & CLAYTON GAUTIER

*Banksia blooms in colorful, very large conelike clusters*

plants groups.

**Recognizing the flora.** Reading articles and studying field guides

provided a good foundation and preparation for visiting an unfamiliar place, but nothing compared to the experience of being immersed in the landscape on a daily basis, continually referencing our books and articles and finding lots and lots of help!

September is wildflower month in WA, celebrated throughout the region in botanic gardens, nature reserves and town wildflower exhibitions (WA Wildflower Events). These events and the local plant ecologists we met during our visit, August 27 to October 6,

*continued on page 8*

## Last Chance to Register for Annual Meeting

The deadline for registration for the Native Plant Society of Oregon's annual meeting in Clarno, sponsored by the High Desert Chapter, is April 16. The last day for refunds is April 23.

Information about the meeting, including cost, accommodations, field trips and other events, is available at the NPSO Web site, [www.npsoregon.org](http://www.npsoregon.org), or in the February and March issues of the *Bulletin*.

The organizers are offering stainless steel water bottles with the NPSO logo and "High Desert Chapter 2010 Annual Meeting, Clarno, Oregon" on them. These double-walled, 16-ounce bottles cost \$18.

For more information, or to purchase a water bottle, contact High Desert Chapter President Eileen Obermiller at [www.DappledEarth.com](http://www.DappledEarth.com) or 541-350-7436.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregion.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

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

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### Bulletin of the Native Plant Society of Oregon

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Layout Artist: Jocelyn Duffy

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregion.org](mailto:bulletin@NPSOregion.org).

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.

# Oregon Botany: A New Film on David Douglas and the Online Oregon Encyclopedia

by Rhoda Love, Emerald Chapter

Of interest to Oregon botanists will be the completion this summer of *Finding David Douglas*, a film financed by the Oregon Cultural Heritage Commission. A preview of the work, filmed in Britain, Canada, Oregon, and Hawaii, will be at the World Forestry Center in Portland April 8 (time to be announced). Oregonians viewing the film should be able to recognize sites such as the Columbia River, Finley Wildlife Refuge, and parts of Douglas County. NPSO's Ed Alverson, an expert on David Douglas and Willamette Valley ecology, was present at Finley and perhaps will be seen in the movie. There is more information at: [www.ochcom.org](http://www.ochcom.org).

As David Douglas is one of the best known of Oregon's early botanists, it is curious that he is not yet included in the new online Oregon Encyclopedia, a lapse we hope will soon be corrected. However, please visit the Encyclopedia's Web site, [www.oregonencyclopedia.org](http://www.oregonencyclopedia.org), where you will find interesting entries on other Oregon botanists, trees, and plants by NPSO's Frank Lang and Susan Kephart. I have several biographies of plant collectors posted as well. Many more entries on botanists, vascular plants, rare taxa, fungi, and bryophytes are needed. Information at the Oregon Encyclopedia Web site explains how you can participate.



*Lithograph of David Douglas originally printed in Curtis's Botanical Magazine in June 1836. Courtesy Linnean Society, London*



*Penstemon davidsonii at Crater Lake National Park. Davidson's Penstemon is a subalpine penstemon and a member of the figwort family.*

TAMARA HARVEY

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

**April 22, Thursday, 7 pm**

**Program: Amazing Conifers of the World.** Dr. John Syring of Linfield College will take us on a tour of the worldwide diversity of conifers. Parasitic conifers, behemoths, arctic and tropical conifers—the diversity is astounding! We will also take an in-depth look at Oregon conifers. Syring is past president of the Corvallis Chapter and served as coordinator of the Oregon Flora Project in 2001. Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

**May 1, Saturday, 9:30 am to 2:30 pm**

**Annual wildflower show.** There will be a native plant sale and a chance to see samples of native plants that bloom in Yamhill County. Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

**May 27, Thursday, 7 pm**

**Program: Atop and Around Steens Mountain: A 20-year Retrospective.** Dr. Kareen Sturgeon, past president of the Cheahmill Chapter, will show slides and speak about her 20 years of botanizing in the Malheur National Wildlife Refuge area. As professor of evolution and botany at Linfield College, she led many field trips to the Malheur area, including Steens Mountain, the Alvord Desert, Mickey Basin, and Cottonwood Creek. You will learn about the amazing diversity of wildflowers found in juniper woodland, shrub steppe, and desert scrub vegetation zones, in lithosols (“Indian grocery stores”) and on alkaline

playas, and the plants’ adaptations to these challenging environments. Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

If you have questions about any of these programs or would like to join the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

**April 10, Saturday, 10 am–noon**

**Native plant garden cleanup.** Come with gloves, tools, and a snack or lunch item to share for a potluck. We’ll be

### 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. For a sample copy check out the NPSO website. 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. 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.

beautifying the native plant garden at the Avery House Nature Center. Please join us for this annual spring event. Information: Esther McEvoy: 541-754-0893.

**April 12, Monday, 7:30–9 pm**

**Program: Relationships between local plants and wildlife.** Don Boucher and Lisa Millbank from the Neighborhood Naturalist Program will be joining us for an evening filled with native plants and local wildlife. We’ll explore the ways plants and animals interact, including local examples of the roles animals play in seed dispersal, pollination, and herbivory; the ways plants protect themselves from animals; parasitism and more. Enjoy some videos of animals and plants they have taken around our area and learn about the remarkable ways plants and animals complement one another in our bioregion. Avery House Nature Center at Avery Park. Information: Laurel Moulton, [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com)

**April 17, Saturday, 10:30 am**

**Field Trip.** Phil Hays will lead a field trip to McDowell Creek to look for *Scolopos hallii*, Oregon fetid adder-tongue, a beautiful and unusual member of the lily family. Meet at 10:30 at the parking lot across from the Beanery on Monroe Street. Bring a lunch and be prepared for weather ... rain, mud, or sun! Information and registration: Esther McEvoy: 541-754-0893.

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>. Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**April 3, Saturday, 9 am**

**Field Trip: Bryophytes and Spring Flora of Sweet Creek Falls.** Rob Weiss leads a tour of Sweet Creek to observe bryophytes (mosses) and other plants.

The hike is 2 to 4 miles RT and one of the most accessible areas to observe bryophyte diversity. The lily *Erythronium revolutum* will be in bloom. Bring lunch, hand lens, and rain gear. Meet at South Eugene High School at 9 a.m. or at the lower Sweet Creek trailhead at 10 a.m. Information: 541-752-1362.

**April 19, Monday, 7:30 pm**

**Meeting: Touring One of the World's Biodiversity Hotspots—the Southwest Australian Floristic Region.**

Presenters: Gail Baker and Clay Gautier. The Southwest Australia Floristic Region (SWAFR) is internationally recognized for its exceptional plant diversity. It's also renowned for its stunning spring wildflower displays. Taking a close look at the plants of the kwongan heath; mallee shrublands; and wandoo, jarrah and Karri woodlands, discussion will include important botanical reserves including Badgingarra National Park, Kalbarri National Park, Stirling Range National Park, Fitzgerald River National Park and Dryandra Woodland Reserve. We'll also consider the question of how a landscape with so little topographic relief and such old, highly weathered soils can have so many species. EWEB Training Room, 500 E. Fourth Ave., Eugene. Information: 541-344-8377. (See "Australian Wildflowers" in this issue of the Bulletin.)

**April 28, Wednesday, 11 am**

**Field Trip: Wildflower Stroll** in Commemoration of Native Plant Appreciation Week at Mount Pisgah (Howard Buford Recreation Area). Rhoda Love will lead a walk to see spring flora at the arboretum. From Lane Community College go east of I-5 for 2 miles via Seavey Loop Road. Meet at the Arboretum Visitor Center. Free. Information: 541-747-3817.

**May 1, Saturday, 2 pm**

**Springtime Special: Moon Mountain Park.** Where else can you see four species of native biscuit root growing 10 minutes from downtown Eugene? Or see more than 100 other native plant species and 36 native species of birds and butterflies within just a few acres? And if that isn't enough, there

are rugged old Oregon white oaks and spectacular views of the Willamette River and Spencer Butte. Moon Mountain Park is a well-kept secret. Tour of the park with naturalist Bruce Newhouse includes a "rogue" bike trail that was constructed through a sensitive area, information about Eugene's restoration efforts, and discussion on how to protect fragile resources. Plant enthusiasts, mountain bikers (walking), park lovers, wildflower photographers and everyone else are welcome (but no pets, please). Less than 2 miles total hiking, but trail is steep in sections. Followup discussion will occur at McMenemy's at 19th and Agate. Preview the hike at <http://brucen.zenfolio.com> (click on "Places") and the 2008 species lists at [www.salixassociates.com/resources.html](http://www.salixassociates.com/resources.html). Meet at 2 p.m. at the Amazon Community Center to carpool. Information: 541-521-0962.

**May 9, Sunday, 12 pm to 5 pm**

**Mother's Day Native Garden**

**Tour.** Join us for the second annual native plant garden tour in Eugene, featuring a variety of Willamette Valley native plants and habitat types in several private gardens. Visit one or all in any order at your own pace. Homeowners and NPSO members will be available at each site to answer questions. Garden descriptions with plant lists and a map will be available to download from the Emerald Chapter's Web site, [www.emerald.npsoregon.org](http://www.emerald.npsoregon.org). Carpooling, biking, and walking are encouraged as parking will be limited.

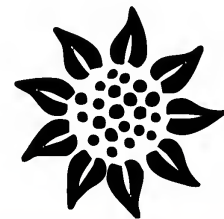
**May 17, Monday, 7:30 pm**

**Meeting.** Jennifer Lippert, forest botanist from the Willamette National Forest, will present an overview of the botany program focusing on terrestrial restoration and invasive species projects and ending in a discussion about potential volunteer opportunities. EWEB Training Room, 500 E. Fourth Ave., Eugene. Information: 541-746-9478.

**May 22, Saturday, 8:30 am**

**Field Trip: Heckletooth Mountain.**

Just outside Oakridge, this low-elevation mountain trail passes through several flowery meadows, forest, and some interesting recovering burned areas before reaching rocky viewpoint at the top. A wide variety of plants includes *Madia elegans*, *Balsamorhiza deltoidea*, *Lomatium macrocarpum*, *Arnica cordifolia*, and *Astragalus umbraticus*. The trail is less than 3 miles round trip with 1,200 feet of elevation gain, but there are several steep stretches. Note: rain date is Sunday, May 23. Meet at South Eugene High School at 8:30 a.m. or the Lowell covered bridge at 9 a.m. Information and registration: Tanya Harvey, 541-937-1401 or [Wild.Iris@att.net](mailto:Wild.Iris@att.net). Co-sponsored by the North American Rock Garden Society.



## Plan Now for Native Plant Appreciation Week

Oregon's sixth annual Native Plant Appreciation Week will be April 25-May 1, 2010. It's just in time to help you get geared up for the annual meeting, May 14-16.

Native Plant Appreciation Week is an excellent opportunity to educate the public about the nature and significance of native flora. Your local chapter is encouraged to sponsor public outreach programs such as demonstrations, hikes, workshops and plant sales. Be sure you get your event to the NPSO calendar and that you check the calendar for exciting activities sponsored by other chapters!

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

**April 5, Monday, 6:30 pm**

**Presentation.** Linda Gilpin, local mushroom expert will talk and share her slides. Brooks Room, Bend Library. Information: [eileen@DappledEarth.com](mailto:eileen@DappledEarth.com).

**April 17, Saturday, time to be determined**

**Hike: Alder Springs.** M.A. Wilson will lead participants on a hike to Alder Springs. Call her at 541-389-0663 or e-mail [mawillson@bendboradband.com](mailto:mawillson@bendboradband.com) for details.

**May 14–16**

**The High Desert Chapter hosts the NPSO annual meeting at Clarno.** See the March NPSO *Bulletin* or the Web page at [www.npsoregon.org](http://www.npsoregon.org) for details.

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

To sign up for e-mail notices of impromptu field trips and detailed information about upcoming meetings, send e-mail to Hanna Metzger ([hannam@gorge.net](mailto:hannam@gorge.net)).

**April 8, Thursday, 7 pm**

**Meeting.** Final planning for the annual wildflower show, which is to be held on Sunday, April 25, in Mosier. Come and join in the fun of putting this show together. Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

**April 25, Sunday, 10 am to 4 pm**

**Annual Mid-Columbia Chapter wildflower show.** Plants identified and arranged primarily by location, collected from sites on both the Washington and

Oregon sides of the Columbia River and including a slide show of each site. American Legion Hall, Mosier.

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

## 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](mailto:donjphoto@gmail.com).

**April 8, Thursday, 7 pm**

**Program: "Adaptations of Oregon Native Plants."** Accomplished artist, skilled botanist and photographer Tanya Harvey will present a visually stunning program with great images. As Tanya says, "I've got sections on pollination, carnivorous plants, bulbs, hairy leaves, mycotrophic plants, and so on." Mt. Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Information: Billy Don Robinson, 503-515-1708.

**April 3, Saturday, 10 am**

**Walk: Camassia Natural Area.** Visit globally imperiled Willamette Valley oak ecological system and several rare species at TNC Camassia Natural Area in West Linn. Short walk (about 1–1.5 miles) through small preserve. Meet at entrance at 10 a.m. Information and directions: [erin.riggs14@gmail.com](mailto:erin.riggs14@gmail.com)

**April 10, Saturday**

**Walk: Catherine Creek Labyrinth, Coyote Wall Loop.** Lovely hike through basalt, grassland, and woodland; great wildflowers. About 5 miles and 1,000 feet of elevation gain. The number of participants is limited. Signup and carpool information: Don Jacobson, 503-235-6234, [donjphoto@gmail.com](mailto:donjphoto@gmail.com).

**May 1, Saturday, 9 am to lunchtime**

**Walk: Cooper Mountain Nature Park.** Explore off-trail wildflower areas with Billy Don Robinson. Among its 230 acres of south-facing slope, CMNP has

truly wonderful examples of open oak woodlands and prairie, featuring some species found nowhere else in the Portland region, as well as the showcase species pale larkspur and checkermallow. We will also find a lovely assortment of birds (western bluebirds, for starters) and other animals, so bring binoculars. Information and carpool signup: Billy Don, 503-515-1708

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to [oregonbk@mind.net](mailto:oregonbk@mind.net).

**April 15, Thursday, 7 pm**

**Pre-meeting herbarium opportunity.** The Southern Oregon University Herbarium, Room 206 in the Science Building, will be opened by NPSO volunteers for a half hour before the April and May chapter meetings. To arrange access at other times call the curator, Steve Jessup, 541-552-6804, or Connie Battaile, 541-488-0368.

**April 15, Thursday, 7:15 pm**

**Program: Siskiyou Bumblebees.** The Siskiyou Mountains of northern California and southern Oregon are home to a rich array of large, fuzzy looking bees, generally with yellow and black coloration, busily visiting flowers: bumblebees. Dr. Pete Schroeder will discuss bumblebee natural history, conservation issues, and how to identify common and endemic species. Southern Oregon University, Science Bldg., RM 171. Refreshments at 7:15 pm, meeting and program at 7:30. Kristi Mergenthaler, 541-941-3744. Note: Campus security locks the Science Building promptly at 7:30. Plan to come a few minutes early to enjoy the refreshments and good company—and so you can get in!

**April 18, Sunday, 9:30 am**

**Field trip: Rough and Ready Creek.** Suzanne Vautier and Rose Kilpatrick will lead an easy hike on rocky ground at Rough and Ready Botanical Wayside. There should be a lot of rare wildflowers

blooming then. Suzanne will also give a short tutorial on *Alyssum murale* and *Alyssum corsicum* and the potential threat these invasive species pose to the Rough and Ready Botanical Wayside and the Area of Critical Environmental Concern (ACEC). This is not sweet alyssum, *Lobularia maritima*, but rather two little-documented introduced species that have taken root in local serpentine soils. Meet at the wayside parking area on Highway 199. Carpooling from Ashland: meet at behind the Oil Stop at 7:30 a.m. Carpooling from Grants Pass: meet at the Wal-Mart parking lot next to the Taco Bell at 8:30 a.m. Information: Suzanne Vautier at [gone\\_fishing@frontiernet.net](mailto:gone_fishing@frontiernet.net) or 541-592-3939.

#### **April 24, Saturday, 9 am**

**Field trip: Illinois Valley “Serpentine Surprise.”** Join hike leader Norm Jensen to search out serpentine endemics and southwestern Oregon spring flowers in the botanically rich Illinois Valley. Destination dependent on where the plants are best. Meet in Selma at the south side of Ray’s Market parking lot on Highway 199 between Grants Pass and Cave Junction at 9 a.m. Information: [normjensen@gmail.com](mailto:normjensen@gmail.com).

#### **April 25, Sunday, time TBA**

**Field trip: Whetstone Savanna Preserve.** Join The Nature Conservancy ecologist Keith Perchemlides and Molly Morrison for a tour of the ODOT mitigation bank and Whetstone Savanna Preserve. This is a great opportunity to see the vernal pools, prairie openings, and oak wood habitats without driving between sites. The vernal pool-specific species are likely to be in bloom, and interested participants can help Keith with an informal monitoring project. 12 person limit. Information and registration: Sasha Joachims, [sasharain71@gmail.com](mailto:sasharain71@gmail.com) or 541-661-3492.

#### **May 1, Saturday, 8 am**

**Field trip: Table Rock for Native Plant Appreciation Week.** Sasha Joachims will lead a hike up Lower Table Rock to enjoy the transition of habitats and resulting plant diversity. It is 1.74 miles to the top,

moderately difficult and 1/2 mile longer than Upper Table Rock. Plan four hours for the round trip; bring water, sturdy shoes, and snacks or lunch. Water is not available along the trail or at the trailhead. Information and directions: Sasha Joachims, [sasharain71@gmail.com](mailto:sasharain71@gmail.com) or 541-661-3492

## **Umpqua Valley**

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

#### **April 8, Thursday, 7 pm**

**Program: Bio-fuel as an alternative energy source.** M. A. Hansen, president of member-owned Umpqua Bio-Alternatives Co-op (UBAC) of Roseburg will show how energy can be produced from the biomass in your neighborhood to run transportation vehicles using nonnative, often invasive plants such as blackberries, Scotch broom, wild plums, and gorse, as well as lawn trimmings. Room 1, Mercy Community Education building, 2459 N.W. Stewart Parkway, Roseburg. The public is welcome. Contact: M. A. Hansen, [mah444@aol.com](mailto:mah444@aol.com) or 541-863-8111.

#### **April 24 & 25, Saturday & Sunday, 9 am to 5 pm**

**Glide Wildflower Show and plant sale.** Kick off Native Plant Appreciation week at the best flower display in the county. Folks come from around the world just for this show. Don’t miss it, you won’t be disappointed. It will give you a better appreciation of the diversity and beauty of our native flora. <http://www.glidewildflowershow.org>. Be sure to visit our NPSO booth. Information: Donna Rawson, 541-459-2821.

## **Willamette Valley**

Contact Lisa Olivares, 503-391-4145, or John Savage, 503-399-8615 for program information.

#### **April 10, Saturday, 10 am–noon**

**Wildflower Walk.** Members of the Willamette Chapter will lead a

wildflower walk through Bush Park and Deepwood Estate. Nearly two dozen native wildflowers will be in bloom. Participants should meet at the Deepwood parking lot off of 12th Street. Free and open to the public. Information: John Savage after 7 p.m. at 503-399-8615.

#### **April 27 & 28, Wednesday & Thursday, 7–8:30 p.m. & May 1, Saturday**

**Three-part wildflower identification class and field trip.** Learn how to identify common flowers of forest, field, woodland, and riparian areas native to Oregon in a series sponsored by the Friends of Straub Environmental Learning Center and the Willamette Valley Chapter. Morris Johnson, professor emeritus at Western Oregon University, will explain the basics of plant identification, focusing on plant families. Evening classes are at Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool, near North Salem High. Details about the May 1 field trip will be announced in the classes. Series costs \$5 and is open to the public. Registration is required: 503-391-4145.

## **William Cusick**

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

#### **April 22, Thursday, 6 pm**

**Chapter meeting.** Plantworks Nursery, 69465 Lantz Lane in Cove. Sandy Roth will give a tour of the nursery and discuss the intricacies of growing native plants for restoration purposes.

## **OTHER EVENTS**

#### **Wildflower Walk in Ashland**

#### **April 25, Sunday, 10 am to noon**

Jim Duncan of the Siskiyou Chapter and Marcia Wineteer of the Bureau of Land Management will lead a wildflower walk in Oredson-Todd Woods. Learn to identify spring wildflowers. Bring hiking shoes, water, and a snack. Register online at <http://ashlandparks.recware.com> or call the North Mountain Park Nature Center at 541-488-6606.

# Scholarship Offered for Plant Systematics/Ecology Study

The Willamette Valley chapter will once again award scholarships to third-year students who enroll in plant systematics or plant ecology at an Oregon college or university for the 2010-2011 school year. Awards of \$1,000 each will come from the Jean Davis Memorial Scholarship Fund and the Augusta Rockefeller Memorial Scholarship Fund.

The rules for both scholarships are identical, so only one application is necessary to be eligible for either scholarship award. Only one award will be given to any one candidate. Applications deadline is June 1. Don't let this opportunity pass you by!

## Rules for Scholarship Awards

1) Scholarships are available to students in Oregon colleges who are planning their major study in plant systematics or plant ecology.

2) Scholarships are awarded in the amount of \$1000 to full-time students who will have completed at least two years of satisfactory college work by July 1. Graduate students may be eligible if they meet all qualifications, except that they need not be full-time students.

3) Awards include a certificate and a check in the amount of the award, which is submitted to the school of choice to be used toward tuition within the following academic year.

4) If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the memorial scholarship fund.

5) Applicants are required to submit:  
a) In their own words, a statement

of academic and career intent.

b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.

c) Full academic record (transcript).

6) The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.

7) Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:

Thomas Jenkins  
Scholarship Committee Chairman  
14380 Salt Creek Road  
Dallas, OR 97338

# Now Available: Native Plant Society of Oregon Occasional Paper 3

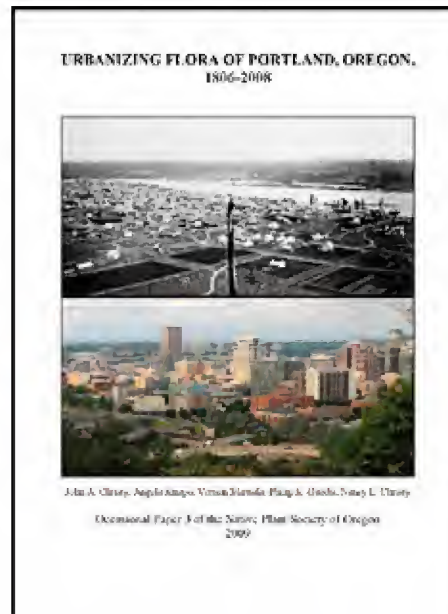
## *Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.

by John A. Christy, Angela Kimpo, Vernon Marttala, Philip K. Gaddis, and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation that have occurred since 1806. A total of 1,556 taxa in 125 families are represented in a catalog that compares historical conditions with those of today. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by local planners and land managers.

Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.



Orders: Prepaid only  
Contact: John Christy  
7050 SW Canyon Crest Drive  
Portland, OR 97225-3623  
john.christy@oregonstate.edu  
Please remember to include your mailing address and telephone number.

# Board Meeting Notes

by David Barts

The February 6 board meeting at Lane Community College in Eugene was well-attended, with many local Eugene (Emerald Chapter) members showing up.

The board agreed to support a Xerces Society letter advocating protecting native bumblebee. It also passed the 2010 NPSO budget and approved Ben Grady's request for a field research grant continuation.

Members interested in a more detailed account of what transpired at the meeting may contact David Barts, NPSO secretary, for a copy of the meeting minutes. His e-mail is secretary@npsoregon.org.



*Australian Wildflowers, continued from page 1*  
2009, were invaluable resources.

Before leaving Perth for a camping excursion that took us 2,940 miles (4,732 km) around WA, we spent time at Kings Park Botanic Garden. The garden was in full flower, with labeled floral displays organized by floristic regions, endangered plants, and plant families. Mark Webb, chief executive officer, Botanic Gardens and Parks Authority; and Kingsley Dixon, science director at Kings Park, introduced us to the park's plant research facilities and programs.

During our travels we were fortunate to attend six wildflower exhibitions, where local volunteers spent time telling us about the regional flora and history. Flower displays at all exhibitions were labeled and conservation issues highlighted. At town visitors centers, we found abundant maps to local nature trails and reserves where we could find flowering plants. Serendipity connected us with prominent botanical illustrators Patricia Negus (a guidebook to the Cape to Cape Track region south of Perth) and Celia Rosser (*The Banksias*). These resources and our field excursions helped us gradually become familiar with this exceptional region.



Gail with *Kingia*, grass-trees, in the *Dasyopogonaceae*



The wreath flower, *Lechenaultia macrantha*, a "tourist destination" flower along WA's "wildflower way."

PHOTO BY GAIL BAKER & CLAYTON GAUTHIER

### Diversity, diversity, diversity!

Two of Australia's largest angiosperm families, Myrtaceae and Proteaceae, have tree or shrub growth forms. The 77 genera of Myrtaceae include *Eucalyptus* with 600 species. One genus, *Actinodium*, superficially resembles a daisy, reminding us not to be overconfident about our identifications.

Two genera stand out for their beauty. *Verticordia* often decorated the kwongan heath with prolific flowering in stunning yellows, reds, or pinks. Flowers look feathery due to the fringed perianth. *Darwinia*, mountain bells, named to commemorate Charles Darwin's grandfather Erasmus, has 60-70 species of evergreen shrubs confined to SWA (Corrick and Fuhrer, 2009). The flowers, often enclosed in large red bell-like bracts, were a highlight for us in the Stirling Range.

Proteaceae is an old lineage with species distribution patterns thought to have existed prior to the breakup of Gondwana (Clarke and Lee, 2006). This family reaches peak diversity in WA and includes *Persoonia*, called snottygobble because the edible seeds are surrounded by mucus. The genera *Banksia*, *Dryandra*, *Grevillea*, and *Hakea* have blooms in colorful and

sometimes very large conelike clusters at ground level or high above the ground on branch tips, attracting bird and marsupial pollinators. While studying floral morphology with students in Dr. Kristina Lemson's botany class at Edith Cowan University, we learned about a floral structure in *Grevillea* called a pollen-presenter. Pollen, although formed in the anthers (male structures), is presented to pollinators at the end of the style (female structure).

Goodeniaceae, a family with unforgettable, intense clear blue to deep red flowers, often with winged petals producing fan-shaped flowers, are easily recognized. The end of the style in this family also presents the pollen on hairy margins (indusium). The wreath flower, *Lechenaultia macrantha*, is a "tourist destination" along WA's "wildflower way." Its prostrate floral display forms a perfect halo encircling the vegetative part of the shrub.

WA's floral emblem is red and green kangaroo paw, *Anigozanthos manglesii*, in the monocot family Haemodorraceae. The pawlike flower structures with furry covering in sharp colors of reds, green, oranges, and blacks are bird-pollinated. One especially photographic species was the sunrise colored catspaw, a smaller version of the taller kangaroo paws.

Maybe not as showy as the above but significant botanically are *Kingia* (grasstrees) and *Calectasia* (tinsel flower) because their classification is still in question. Some botanists classify them into an Australian endemic order Dasyopogonales, with only one family Dasyopogonaceae.

Emu bush, *Eremophila*, Myoporaceae, another Australian endemic, has flowers similar to the Scrophulariaceae. Bitter quandong, *Santalum*, is a small tree in the same family, Santalaceae, as our little *Commandra* here in Oregon. The legume family, Fabaceae, is Australia's largest angiosperm family, with *Acacia* as the most common genus. *Gastrolobium* includes prickly poison and others poisonous to introduced livestock. The extracted poison, named 1080, is used in control invasive mammals.

## Why does a landscape with little topographic relief and old, highly weathered soils have so many species?

In Oregon we think of disturbances such as floods (Missoula), mountain building (Cascades), volcanoes (Mazama), and glaciation, all occurring within the last 20 million years, as shaping our landscape, building up soil fertility, and influencing speciation events. In contrast, Australia is a very old land mass, stretching back 250 million years, where such disturbances have not been a key part of history and the soil is relatively infertile. The emerging explanation of evolution, ecology, and biodiversity in Australia has been called the old, climatically buffered, infertile landscape (OCBIL) theory to contrast with the young, often disturbed, fertile landscapes (YODFEL) of the Northern Hemisphere (Hopper, 2009).

What gave rise to all the species diversity we see today in the SWAFR? Paleogeographic processes (island formation, scarp uplifting) are probably part of the explanation. Arthropod pollinator preference, which needs further study, may be another important factor.

Another question has to do with the high rates of species turnover across the landscape. Traveling through the landscape, we noticed even 1 km, 0.62 mile, could make a difference in species composition. Why turnover is so high is still being determined. According to Hopper and Gioia (2004), no simple explanation is likely to be found:

## References:

- Clarke, I. and H. Lee (2006) *Name that Flower. Identification of Flowering Plants*. Melbourne University Press. 299p.
- Corrick, M. and B. Fuhrer (2009). *Wildflowers of Southern Western Australia*. Rosenberg Publishing. 224p.
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Darwinia, mountain bells, Stirling Range.

PHOTO BY GAIL BAKER & CLAYTON GAUTHIER

"Much more experimental demographic and ecophysiological research is needed to advance understanding of how species-rich communities of SWAFR flora are assembled and ecologically maintained."

So, if you visit the southwestern corner of WA, you not only get to enjoy the wonderful and sometimes weird flora of the SWAFR, you can also ponder on the unresolved mysteries surrounding what evolutionary forces produced such an incredibly diverse flora and what ecological factors are at work maintaining it today.

*Gail Baker is an assistant professor of biology at Lane Community College in Eugene. She and Clayton Gautier are members of the Emerald Chapter.*

**Thanks to:** Lane Community College Faculty Professional Development Committee for sabbatical leave for G. Baker, everyone mentioned in this essay, the Sheahan family and many others who made this a plant ecologist dream trip.



# WANTED Plant of the Year

Here is a big opportunity: you can submit an essay on a favorite native plant to be the next Plant of the Year in Oregon. It's a big honor, and if your photo is good enough, it could land on the cover of *Kalmiopsis* (its not *Rolling Stone*, but Rhoda Love tells us that the public library in The Dalles displays its copy of *Kalmiopsis* in a glass case!). Refer to recent issues of *Kalmiopsis* for length and content of the articles (Dangly Fen Sedge, Green-flowered Wild Ginger, Oregon Grape, California Buckeye, Basin Wildrye), and write to [kalmiopsis@npsoregon.org](mailto:kalmiopsis@npsoregon.org) with your ideas. With the variety of wonderful native species in this state, you've got to have a favorite or two. Don't be stingy; share them with us!

—Cindy Roché, *Kalmiopsis* Editor.

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**IF YOU HAVEN'T  
RENEWED FOR  
2010,  
YOUR MEMBERSHIP  
WILL LAPSE  
SOON!!!**

Look at the label on this Bulletin. If "2009" appears along the top edge, this is the LAST Bulletin you will receive. If you don't want to miss out on any of this year's **Bulletins**, or **Kalmiopsis**, please send in your dues payment right away!

# Review of *Urbanizing Flora* occasional paper

by Aaron Liston, Oregon State University Herbarium

Christy, J.A., A. Kimpo, V. Marttala, P.K. Gaddis, N.L. Christy. 2009. *Urbanizing Flora of Portland, Oregon, 1806-2008. Occasional Paper 3 of the Native Plant Society of Oregon*. 319 pp. ISSN 1523-8520. [softcover]. US \$15. Ordering information: [www.npsoregon.org/publications.html](http://www.npsoregon.org/publications.html)

Don't judge this book by its title. The word "urbanizing" is not a common one, and even if it is familiar to you, reading about the decline of native plants and their replacement by those adapted to an urban environment may not strike you as an enjoyable read. Perhaps more attractive is the prospect of learning about the past 200 years of botanical activity in the Portland area, and that is the subject of the first 60 pages of this book. Topics include a chronology of botanical exploration in the region, biographies of the principal plant collectors, and the historic and modern vegetation and habitats of Portland-Vancouver region. The text is well-illustrated with historical photographs of the city environs and the botanists who collected here. This section concludes with a thorough analysis of the factors contributing to the historical and ongoing changes in Portland's flora, and it provides an excellent perspective on the dynamic interplay between native and exotic plants in an urban environment.

Several well-known plant collectors played important roles in the botanical history of the region, but the star of this story is Martin Gorman (1853-1926). Gorman's profession was accounting, while his passion was botany. He was also a founding member of the Oregon Alpine Club and Mazamas, and curator of the Forestry Building from 1906-1926. Built for the 1905 Lewis and Clark Exposition, the Forestry Building was a "hub of botanical activity" during Gorman's tenure. Gorman collected about 200 plant specimens from the Portland area, and most important, he wrote several articles on the region's flora, culminating in his List of Plants in the Vicinity of

Portland, Oregon published in 1916 and 1917. Tragically, the botanical journal *Muhlenbergia* ceased publication before the complete manuscript was published, and the issue containing the last installment (over 200 species) was never distributed! One of the most significant contributions of Christy et al. is the first publication of Gorman's complete species list and notes (transcribed from the only known original, housed in the University of Oregon's Knight Library). Gorman's information is conveyed in tabular format, together with other historical and current information. This "catalog" fills 186 pages and encompasses 1,553 native and naturalized plants known within the same region that Gorman defined: a 15-mile radius from downtown Portland. One column of the table combines Gorman's text in bold with other historical records (gathered from herbarium specimens and other publications). A second column summarizes the "current condition" of each plant including whether it is native or exotic, rare or common, its period of introduction, modern records, and miscellaneous comments. Much fascinating information is contained in this table, and it is an extremely valuable resource for anybody interested in the plants,

and changing flora, of Portland and the Pacific Northwest.

An extensive bibliography and six appendices complete the text. These include a gazetteer, additional excerpts from Gorman's papers containing many observations of historical interest, and lists of 580 rare native plants, 312 rare exotic plants and 279 ballast plants (it was a popular pastime among Portland area botanists to collect the plants that grew from the soil used by ships for weight, transported around the globe, and dumped on the banks of the Columbia River in Portland).

The five authors are to be congratulated for producing a valuable addition to our understanding of the interactions of plants and people in the Pacific Northwest. They expertly combine historical scholarship with a comprehensive presentation of the current Portland flora. The floristic treatment is based on the authors' own botanizing, extensive data from herbarium records compiled by the Oregon Flora Project, and several other sources. The book is an important reference for Oregon and Washington botanists, and establishes a well-documented baseline for future studies of the region's flora.

Aaron Liston can be reached at [alistona@science.oregonstate.edu](mailto:alistona@science.oregonstate.edu).

## Plant Sales

Note: The Cheahmill, Mid-Columbia, and Umpqua chapters are also holding plant sales in April and May. See the NPSO Calendar for details.

**April 10, Saturday, 10 am to 2 pm**

**Green Gardening Fair and Native Plant Sale, Beaverton**

Learn about composting, attracting wildlife to your garden, gardening with natives, pesticide-free gardening, pollinators, water conservation, and pruning techniques through workshops and information booths. Make a compost bin or take a walk in the new Native Plant Garden. More than 100 species of native plants. Free bag of potting soil with every \$35 purchase. Tualatin Hills

Nature Park Interpretive Center, 15655 S.W. Millikan Way, Beaverton. Sponsored by Tualatin Hills Park & Recreation. Information: 503-629-6350, [www.thprd.org](http://www.thprd.org).

**April 17-18, 10 am to 3 pm, Portland**

**Hardy Plant Society Spring Plant Sale & Garden Festival** will be held at the Expo Center, Hall C, in Portland. This season there will be 79 specialty nurseries and wholesalers, 25 garden artists, community organizations, book sales, six tables of botanical samples, and garden experts. Free admission. Information: 503-224-5718, [www.hardyplantsociety.org](http://www.hardyplantsociety.org).

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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

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Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

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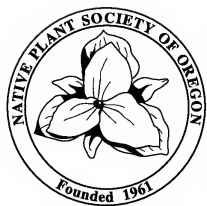
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## Oregon Flora Project Hopes to Hire Full-Time Taxonomist

Fans of the Oregon Flora Project will have an excellent opportunity this spring to demonstrate their support with a generous contribution to our fundraising campaign. Money contributed during this effort will be applied exclusively toward a staff position for a senior taxonomist. Many people have waited for the efforts of the OFP to be focused upon writing the new Flora of Oregon. With the recent releases of significant Project facets and the approaching completion of the synonymized Checklist, the Flora Project has positioned itself to effectively and efficiently produce the new Flora under the guidance of a full-time taxonomist. Now is the time to support the OFP, knowing that your contribution will have a direct impact on the timely completion of the Flora of Oregon. Please give generously when your appeal letter arrives!

Contributions can be made payable to: Agricultural Research Foundation (include "OFP-4482" on the memo line) and mailed directly to the foundation at: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 43, No. 4

MAY 2010

### Review of Volume 8 of *Flora of North America*

by Frank Lang



HTTP://WWW.FLICKR.COM/PHOTOS/PEUPLELOUP/2631134629/; CC BY-SA 2.0

*Rhododendron groenlandicum*, formerly *Ledum groenlandicum*, is commonly known as *Labrador tea*, a reference to its northern distribution and its use as a tea by native Americans

Flora of North America Editorial Committee, eds. 2009. *Flora of North American North of Mexico*. Vol. 8.

Magnoliophyta: Paeoniaceae to Ericaceae. New York: Oxford University Press. 624 pages, illustrations, maps. \$95.

Volume 8 of the *Flora of North America* covers flowering plants from peonies to rhododendrons and their relatives. Families represented in the Oregon flora include: our one species in the Paeoniaceae, (*Paeonia brownii*), Grossulariaceae, Saxifragaceae, Crassulaceae, Primulaceae, Myrsinaceae (where *Trientalis*, *Anagallis*, and *Lysimachia* were placed), Sarracenaceae (with our marvelous *Darlingtonia*), the huge Ericaceae with its numerous subfamilies including the mycotrophic, achlorophyllous members (Indian pipe).

New families in our flora, the Penthoraceae and Theophrastaceae, are represented by two weeds, cranberry bogweed and seaside brookweed, respectively. Other families, including Clethraceae, Diapensiaceae, Ebenaceae, Itaceae, Symplocaceae, and Theaceae, are eastern North American or tropical

*continued on page 8*

### Taste Geology?

by Jim Long, Umpqua Chapter

Can you *taste* the difference? Two local geologists introduced the question when they spoke about “Geology and Plant Communities in Douglas County” at the Umpqua Chapter’s February meeting.

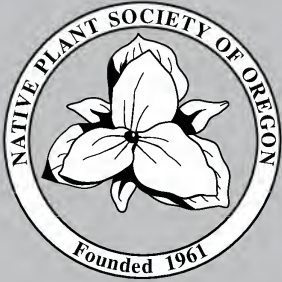
Craig Tozer, field trip coordinator for Wildlife Safari in Winston, first sketched out basic information about the geological history of the Pacific Northwest and southwest Oregon. He emphasized how plate tectonics shaped our landscape.

Co-presenter Larry Broeker, a retired geologist with the U.S. Forest Service,

*continued on page 2*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message:  
subscribe nps

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### Bulletin of the Native Plant Society of Oregon

Editor: Fran Gardner  
Layout Artist: Jocelyn Duffy

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

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.

*Taste Geology, continued from page 1*

then illustrated relationships between geology, underlying rocks (parent material), derivative soils, and plants. That helped us understand, for instance, why, near Calhahan Meadows, we see the mariposa lily and jeffrey pine on serpentine-derived soils, and we see the kincaid lupine on granitic-derived soils.

Then we got to grapes and the wines crafted from those grapes in the Umpqua.

Broeker noted the major terrane-boundary Wildlife Safari Fault that runs between the Coast Range and the Klamath Mountains—two distinct geomorphic provinces with very different geological histories: One was deposited and uplifted in place; the other formed piecemeal elsewhere and rafted piece by piece to its current location atop a tectonic plate subducting beneath the North American continent.

He explained that the Abacela Winery, southwest of Roseburg, straddles this fault and has planted a few acres of the same syrah grape on both sides of the fault. Soil on the south side of the Wildlife Safari Fault is derived from Dothan Fm sandstone, part of the Jurassic-age Klamath Mountains. Soil on the north side is derived from the Bushnell Rock Conglomerate of the Coast Range.

The same variety of grape—syrah—was planted on each side. The grapes receive comparable care, but grapes planted in the soil derived from the conglomerate require more irrigation because it drains more rapidly and lies on a steeper, south-facing slope.

The Tozer-Broeker “quiz” that evening was for us to distinguish wines fermented from grapes on each side of the fault and, just for fun, to rate each one. Most folks, we found out, preferred the wine from the less-irrigated, sandstone-derived Coast Range Dothan soil.

What a way to help us grasp relationships between plants and geology!



*This lovely flower is actually a rare double form of our normally lackluster native Pacific blackberry or dewberry (Rubus ursinus). It grows along the roadside at the trailhead of Lookout Mountain in Douglas County.*

TAINYA HARVEY

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

**May 8, Saturday, 10 am–noon**

**Field Trip: Rotary Nature Preserve Lichens Study.** Former Cheahmill Chapter President Marilyn Karbonski will lead a workshop and hike in this urban nature preserve. Meet at the Linfield College parking lot at the corner of Linfield and Blaine streets, one block off Highway 99W at 9:30 for the short drive to the park. Information: 503-835-1042.

**May 11, Tuesday, 5–7 pm**

**Summer work party.** Native plant garden at the McMinnville Library. New volunteers welcome. Bring gloves and garden tools. Please let Susan know if you plan to attend; 503-538-1865, [helgesusan@comcast.net](mailto:helgesusan@comcast.net). Other work parties are scheduled for June 8, July 13, Aug. 10 and Sept. 14.

**June 19, Saturday, 9 am–3 pm**

**Workshop: Plant Family Identification Primer.** Kareen Sturgeon, past chapter president and retired botany professor at Linfield College, will present a plant family ID workshop from 9 a.m. to noon in the Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Practice your ID skills in optional session from 1–3 p.m. Register by June 12. Workshop cost is \$5; mail check, made out to Cheahmill Chapter NPSO, to Kareen Sturgeon, 1135 N.W. Winterwood Loop, McMinnville OR 97128. Hand lenses will be available for purchase for \$13, or bring your own. Information: [ksturg@linfield.edu](mailto:ksturg@linfield.edu).

## Corvallis

If you have questions about any of these programs or would like to join the

Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

**May 2, Sunday, 11 am–4 pm**

**Native plant sale.** Annual fundraiser at the Corvallis Spring Garden Festival in Central Park. Shop for natives to fill up your garden or volunteer to help set up or to work a shift. Information: Esther McEvoy, 541-754-0893. This is our only fund raising event!

**May 8, Saturday, 2:30–4 pm**

**Woodpecker Loop nature walk.** As a part of the first annual Corvallis Natural Areas Week, Esther McEvoy and Laurel Moulton will guide a one-mile family-oriented walk along the

### 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. For a sample copy check out the NPSO website. 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. 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.

Woodpecker Loop at Findley Wildlife Refuge. A clear day will offer great views of the valley and Cascade Mountains, with many species of plants and wildlife to observe along the way. Information: Esther McEvoy, 541-754-0893 or visit the Natural Areas web page: [www.sustainablecorvallis.org/naturalareasactionteam](http://www.sustainablecorvallis.org/naturalareasactionteam)

**May 10, Monday, 7:30 pm**

**Program: Wildflowers of the Swiss Alps.** Dan Luoma and Joyce Eberhart will share their experiences from a week of botanizing in the Swiss Alps. They were led on this outstanding wildflower adventure in 2009 by longtime NPSO member Kareen Sturgeon, retired botany professor from Linfield College. Avery Park Nature Center. Information: Laurel Moulton, [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com) or 206-459-3834.

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>. Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**May 1, Saturday, 2 pm**

**Springtime Special: Moon Mountain Park.** Where else can you see four species of native biscuit root growing 10 minutes from downtown Eugene? Or see more than 100 other native plant species and 36 native species of birds and butterflies within just a few acres? And if that isn't enough, there are rugged old Oregon white oaks and spectacular views of the Willamette River and Spencer Butte. Moon Mountain Park is a well-kept secret. Tour of the park with naturalist Bruce Newhouse includes a "rogue" bike trail that was constructed through a sensitive area, information about Eugene's restoration efforts, and discussion on how to protect fragile resources. Plant enthusiasts, mountain bikers (walking), park lovers, wildflower photographers and everyone else are

welcome (but no pets, please). Less than 2 miles total hiking, but trail is steep in sections. Followup discussion will occur at McMenamin's at 19th and Agate. Preview the hike at <http://brucen.zenfolio.com> (click on "Places") and the 2008 species lists at [www.salixassociates.com/resources.html](http://www.salixassociates.com/resources.html). Meet at 2 p.m. at the Amazon Community Center to carpool. Information: 541-521-0962.

**May 9, Sunday, 12 pm to 5 pm**

### **Mother's Day Native Garden**

**Tour.** Join us for the second annual native plant garden tour in Eugene, featuring a variety of Willamette Valley native plants and habitat types in several private gardens. Visit one or all in any order at your own pace. Homeowners and NPSO members will be available at each site to answer questions. Garden descriptions with plant lists and a map will be available to download from the Emerald Chapter's Web site, <http://emerald.npsoregon.org>. Carpooling, biking, and walking are encouraged as parking will be limited.

**May 15, Saturday, 9 am**

**Mount Pisgah Arboretum Wildflower Festival collection and setup.** If you'd like to help collect flowers for the show, please contact David McClurg at [dpm@efn.org](mailto:dpm@efn.org) or call 541-746-9478. To help set up displays, come to the arboretum at 9 a.m. Saturday.

**May 16, Sunday, 10 am–4 pm**

**Mount Pisgah Arboretum Wildflower Festival.** A plant sale and hundreds of native wildflowers are on display, and there is live music, information booths of many local organizations and food! Sponsored by Mount Pisgah Arboretum, Lane Community College's botany department and Emerald Chapter, NPSO. Call 541-747-3817.

**May 17, Monday, 7:30 pm**

**Meeting: Jennifer Lippert, forest botanist** from the Willamette National Forest, will present an overview of the botany program focusing on terrestrial restoration and invasive species projects and ending in a discussion about potential volunteer opportunities. EWEB Training Room, 500 E. Fourth Ave.,

Eugene. Information: 541-746-9478.

**May 22, Saturday, 8:30 am**

### **Field Trip: Heckletooth Mountain.**

Just outside Oakridge, this low-elevation mountain trail passes through several flowery meadows, forest, and some interesting recovering burned areas before reaching rocky viewpoint at the top. A wide variety of plants includes *Madia elegans*, *Balsamorhiza deltoidea*, *Lomatium macrocarpum*, *Arnica cordifolia*, and *Astragalus umbraticus*. The trail is less than 3 miles round trip with 1,200 feet of elevation gain, but there are several steep stretches. Note: rain date is Sunday, May 23. Meet at South Eugene High School at 8:30 a.m. or the Lowell covered bridge at 9 a.m. Information and registration: Tanya Harvey, 541-937-1401 or [Wild.Iris@att.net](mailto:Wild.Iris@att.net). Co-sponsored by the North American Rock Garden Society.

**June 5, Saturday, 9 am**

**Field trip: Horse Rock Ridge.** Alan Curtis will lead a hike to a steep, rocky meadow high in the Coburg Hills north of Springfield. There are wonderful views of the surrounding countryside and great botanical diversity. This is a 5-mile walk. Bring water and lunch. Wear hiking shoes. Information: 541-345-5531.

**June 26, Saturday, 9 am**

**Field trip: Sahalie Falls and Sand Mountain Lookout.** Sahalie Falls pours over the southernmost edge of the Sand Mountain lava flow that dammed Clear Lake. After stopping there to meet Don Allen of the Sand Mountain Society and look at the falls, we'll continue to Sand Mountain to see alpine wildflowers and habitat restoration work. The Sand Mountain hike is about 3 miles with 800-foot elevation gain. Bring hiking shoes, warm clothing, snacks, and water. Meet at 9 am at the South Eugene HS or Thurston area Albertsons (far NE Parking). Information: 541-746-9478.

## **High Desert**

*To be added to the e-mail list for upcoming events, please contact Maria*

*Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).*

## **Klamath Basin**

*For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).*

## **Mid-Columbia**

*To sign up for e-mail notices of impromptu field trips and detailed information about upcoming meetings, send e-mail to Hanna Metzger ([hannam@gorge.net](mailto:hannam@gorge.net)).*

**May 13, Thursday, 7 pm**

### **Butterflies of the Columbia River**

**Gorge:** John Davis, a local lepidopterist, will show his slides and talk about butterflies that can be found in and around the Columbia River Gorge. Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

## **North Coast**

*For information on the North Coast Chapter call Janet Stahl at 503-842-8708.*

**May 16, Sunday 2 pm**

**Field trip: See Blue Camas.** Vivian Starbuck and Janet Stahl will lead an easy walk. Meet at the Methodist Church in Bay City to carpool 1 mile to the site. We are looking for new members to identify and enjoy native plants. Information: 503-377-4141, 503-842-8708 or [jjs@oregoncoast.com](mailto:jjs@oregoncoast.com).

## **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](mailto:donjphoto@gmail.com).*

**Saturday, May 1**

**Celebrate Native Plant week at Cooper Mountain Nature Park!** Come to Cooper Mountain Nature Park and explore off-trail wildflower areas with Billy Don. Among its 230 acres of south-facing slope, CMNP has truly

wonderful examples of open oak woodlands and prairie, featuring some species found nowhere else in the Portland region, as well as the showcase species Pale Larkspur and Checkermallow. We also have a lovely assortment of birds (Western Bluebirds, for starters) and other animals, so bring your binoculars. We will stay until approximately lunchtime. To register, and for carpool information: Billy Don, 503.515.1708

#### Thursday, May 13, 7 pm

**Talk: Plant-Fungus Relations.** Randy Molina of Gresham will speak on plant-fungus relations in mycorrhizal symbioses: how our plant communities function in space and time. Diverse fungi (including many mushroom and truffle species) and native plants have mycorrhizal associations, and these relationships effect changing plant communities. Molina, managing editor of *Mycorrhiza*, an international journal concerned with research into mutually beneficial relationships between plants and fungi, recently retired after 32 years of forest mycology research with the U.S. Forest Service in Corvallis. Mt. Tabor Presbyterian Church, Southeast Belmont at 54th Avenue; church lot parking OK. Info: Billy Don, 503.515.1708

#### May 23, Sunday, 10 am

**Hike, Canemah Bluff Metro Natural Area.** Meet at end of Fourth Street in Oregon City at 10 a.m. Questions, directions or ride share: Erin.riggs14@gmail.com (parking is tight). Canemah is the counterpart to Camassia Prairie just across the river, similar vegetation, nice rare oak habitat; we might spot some *Delphinium*. Short, easy hike of about 1.5 miles.

## Siskiyou

*The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to oregonbk@mind.net.*

#### April 24, Saturday, 9 am

**Field trip: Illinois Valley "Serpentine**

**Surprise."** Join hike leader Norm Jensen to search out serpentine endemics and southwestern Oregon spring flowers in the botanically rich Illinois Valley. Destination dependent on where the plants are best. Meet in Selma at the south side of Ray's Market parking lot on Hwy. 199 between Grants Pass and Cave Junction at 9 a.m. For more information e-mail normjensen@gmail.com.

#### April 25, Sunday, 10 am

**Field trip: Whetstone Savanna Preserve.** Join The Nature Conservancy ecologist Keith Perchemlides and Molly Morrison for a tour of the ODOT Mitigation Bank and Whetstone Savanna Preserve. This is a great opportunity to see the vernal pools, prairie openings and oak wood habitats without driving between sites. The vernal-pool-specific species are likely to be in bloom, and if interested participants can help Keith with an informal monitoring project. 12 person limit. Contact Sasha Joachims at sasharain71@gmail.com or 541-661-3492 to register and get information about meeting time and place.

#### April 25, Sunday, noon-3 pm

**Event: Spring Wildflower Show.** Join us for a small but vibrant spring wildflower show at Northwest Nature Shop in Ashland.

#### May 1, Saturday, 8 am

**Field trip: Lower Table Rock.** For Native Plant Appreciation Week, Sasha Joachims and Frank Lang will lead a hike up Lower Table Rock to enjoy the transition of habitats and resulting plant diversity. It is 1.74 miles to the top, moderately difficult and 1/2 mile longer than Upper Table Rock. Plan 4 hours for the round trip; bring water, sturdy shoes and snacks or lunch. Water is not available along the trail or at the trailhead. Meet at 8 a.m. at the Lower Table Rock trailhead off Wheeler Road. Information: Sasha Joachims, sasharain71@gmail.com or 541-661-3492.

#### May 15, Saturday, 8:30 am

**Field trip: Rogue River Trail to Rainie Falls.** Led by Armand Rebeschke. We'll start at Graves Creek Bridge and follow the south side trail at the beginning

of the wild and scenic Rogue River to Rainie Falls. This is the shady side of the river, with populations of *Lewisia cotyledon* and *Delphinium nudicaule*. Meet at Rays Market, shortly after exiting west off I-5 at Merlin, along Merlin-Galice Road. Information: Armand Rebeschke, 541-482-2141

#### May 20, Thursday, 7 pm

**Herbarium:** The Southern Oregon University Herbarium, room 206 in the Science Building, will be opened by NPSO volunteers for a half hour before the May chapter meeting. To arrange access at other times call the curator, Steve Jessup, 541-552-6804, or Connie Battaile, 541-488-0368.

#### May 20, Thursday 7:30 pm

**Program: Sudden Oak Death Update:** What's New in Oregon and Around the Globe. Ellen Goheen, a plant pathologist for the U.S. Forest Service, will discuss the continuing effort in Oregon to eradicate the pathogen *Phytophthora ramorum*, the cause of Sudden Oak Death. She will also provide an update on recent research findings and disease outbreaks from around the world. Southern Oregon University, Science Bldg., RM 171. Refreshments at 7:15 p.m., meeting and program at 7:30. Kristi Mergenthaler, 541.941.3744.

#### May 23, Sunday, 10 am

**Field trip: Black morels,** led by John Teem. We'll be looking for black morels in the Howard Prairie vicinity, the most abundant edible spring mushroom near the valley. There will be others to see and identify, too, but not with the same abundance or diversity as in the fall. Meet behind Oil Stop on Ashland Street next to the Ashland BiMart/Shop'n Kart parking lot, about 1/4 mile west of I-5, exit 14. Information: John Teem at (541) 621-6137 or john@continuumfarm.com.

#### June 5, Saturday, 10 am

**Field Trip: Three Rogue Valley Trees.** NPSO fellow Frank Callahan leads us to a Hinds Walnut site on Bear Creek, followed by trip to the Tolo Tavern to see the Famous "Tolo Tree" a gray pine about a half mile north of Tolo on Gold

Ray Road. Then a quick jog to Fort Lane historical site to see the gallery tree and then to Foley Lane and let the hike begin—a short but rigorous hike to see both gray pine and California buckeye. Bring a lunch and prepare to carpool. Group size limited; registration required. Meet at Abertsons in Central Point at 10 a.m. Leader: Frank Callahan, 541-855-1164, callahanseds@gmail.com.

### Dates to save for summer field trips:

**Saturday, June 26:** Norm Jenson, Bolan Lake

**Saturday, July 3:** Alex Maksymowicz, Grizzly Peak summer flowers

**Saturday, July 17:** Lee Webb, Bigelow Lakes. Traditional moonlight hike! Nearly a full moon, and a good way to escape the heat in the valley

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

### May 1, Saturday, 9 am-4 pm

**Annual Native Plant Sale.** Celebrate Native Plant Appreciation Week with us as we hold our annual native plant sale at the Douglas County Museum of Natural and Cultural History. Our event is the same day as the Master Gardener's 2010 Plant and Garden Expo. Every year we have a large variety of plants for sale on the Douglas County Museum lawn. This year, look for our booth inside the Expo building at the fairgrounds, where we will have information about NPSO as well as plants for sale. Free informational handouts at both locations. Directions: Take I-5 Exit 123 and follow the signs to the 2010 Plant and Garden Expo at the fairgrounds and/or follow signs to the outside sale at the Douglas County Museum of Natural and Cultural History.

### May 13, Thursday, 7 pm

**Meeting: Program TBA**, followed by our monthly business meeting. We meet every second Thursday at 7 pm in room 1 at the Mercy Community

Education Bldg, 2459 N.W. Stewart Parkway Blvd, Roseburg. Contact: Donna Rawson 541-459-2821

### May 15, Saturday, 8:30 am

**Field trip: Indian Caves.** Indian Caves is located in the upper North Umpqua River watershed near Limpy Rock. We should see a wide assortment of flowers including *Kalmiopsis fragrans*. Member Rod Trotter will lead us on this field trip. We will meet in the parking lot behind the Douglas County Courthouse at 8:30. Information: 541-672-1907.

### May 22, Saturday, 8:30 am

**Field trip: King Mountain Rock Garden.** With its variety of plant species, this area has never disappointed photographers, hikers or plant enthusiasts. Expect to see several species of *Eriogonum*, *Sedum*, *Penstemon*, *Fritillaria* and some unusual *Phacelias* and more. Trip leader: Sam Friedman. Meet in the parking lot behind the Douglas County Courthouse at 8:30 a.m. or at I-5 exit 103 at McDonalds at 9 a.m. Information: 541-673-0589. (All field trips also meet at 8:30 a.m. at the Douglas County Courthouse parking lot, north-east corner.)

## Willamette Valley

Contact Lisa Olivares, 503-391-4145, or John Savage, 503-399-8615 for program information.

### May 8 and 9, Saturday and Sunday

**Silver Falls State Park Mother's Day Birding and Wildflower Festival.** Wildflower walks will be offered throughout both days beginning at 10 a.m. Members of the Native Plant Society of Oregon will lead the walks, starting at the historic South Falls Lodge. Bird walks, presentations, and classes and workshops also will be available. For a full schedule of activities, call Dorothy Brown Kwaiser, 503-874-0201.

### May 30, Sunday, 7 am

**Field Trip: Dog Mountain.** Participants in this all-day hike will view wildflowers on Dog Mountain, on

the Washington side of the Columbia Gorge. This is a difficult hike. Bring lunch and water. To register, call 503-399-8615 after 7 p.m.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

**No chapter meetings** for May through August, but watch for field trip opportunities during this time. Meetings will resume in September.



HTTP://CLIPART.PERCENTERNET.COM/PLANTS.HTML

## Volunteer Needed to Edit the NPSO Bulletin

The NPSO *Bulletin* is once again in need of an editor. I regret that I must step down because of health reasons.

Putting together the newsletter 10 times a year is a pleasant process involving about 10 hours a month. The editor compiles and edits feature stories, notes and chapter happenings; another volunteer does the layout and helps find photographs.

Editing the *Bulletin* is a wonderful way to parlay your love of Oregon and its native plants into something lasting and meaningful. I've enjoyed my stint, however brief.

If you are interested in this position, contact me or David Lebo, NPSO president.

—Fran Gardner, Bulletin editor

## OTHER EVENTS

### Berry Botanic Garden

*Portland's Berry Botanic Garden offers classes at the garden, 11505 SW Summerville Ave., Portland. Information: Kris at 503-636-4112 ext. 102; [www.berrybot.org](http://www.berrybot.org)*

**May 4, Tuesday 7–9pm**

**Local Trail Treasures and Wildflower Wonderlands:** Hiking author Douglas Lorain will talk and show slides highlighting two topics: the best day hikes within a two-hour drive of Portland, and the best places to see wildflowers all around the Pacific Northwest.

**May 7, Friday, 3–5 pm and May 8, Saturday, 10 am–1 pm**

**Crash Course in Flower ID:** Learn how to dissect flowers, speak the language of botany, and hone your identification skills. Classroom and field work. \$30 Limit 10.

**May 12, Wednesday, 9 am–3 pm**

**Mosses and Lichens Up Close:** An easy hike along the Salmon River. This lush rain forest is the ideal setting to explore the diversity of these organisms that seldom get the attention they deserve. Donations requested. Limit 12.

**May 15–16, Saturday and Sunday, 8:30 am–4 pm**

**Botanical Illustration:** Lecture, demonstrations, and supervised drawing sessions with professional scientific illustrator Lynn Kitagawa. \$125 Limit 15

### Other Classes

**May 8–9, Saturday and Sunday**

**Wildland Grasses: ID of Native and Naturalized Grasses.** Cindy Roché leads a two-day class at the Siskiyou Field Institute's Deer Creek Center in Selma. Refresh and hone your skills in keying and field recognition of introduced and native grasses of

southwestern Oregon. Learn to recognize local grasses by sight, smell, or even touch. Beware a "war grass," as it could leave you bleeding, but the grass that flashes a peace sign is not dangerous. Become adept at keying unknown specimens, with and without dissecting microscopes, both in the classroom and in the field. Tuition: \$100; naturalist certificate available. Information: 541-597-8530, [institute@thesfi.org](mailto:institute@thesfi.org).

**May 22, Saturday, 1-4 pm**

**Nature Journaling and Scientific Illustration.** Work with Portland artist Kelly Casad to draw a scientific illustration of a native plant, bird, or scene in your nature journal. Nearby Nature Learnscape in Alton Baker Park, Ashland. Cost: \$30 members, \$35 nonmembers. Registration is required and space is limited. Limited work trades available. Information: [www.nearbynature.org/programs/lessons-in-the-learnscape](http://www.nearbynature.org/programs/lessons-in-the-learnscape); 541-687-9699; [info@nearbynature.org](mailto:info@nearbynature.org).

## Plant Sales are Bursting Out All Over

**May 1–2, Saturday and Sunday, 10 am–4 pm**

**Wildflower show:** 29th annual show is a benefit for Jackson County Fire district #4. Plant sale, art fair, quilt show, BBQ. Botanists on hand. Admission by donation. Shady Cove School on Cleveland Street. Information: [wildflower-show@gmail.com](mailto:wildflower-show@gmail.com)

**May 1, Saturday, 9 am–4 pm**

**Native Plant Sale.** Umpqua Chapter's annual native plant sale at the Douglas County Museum of Natural and Cultural History. See full listing in the NPSO Calendar.

**May 2, Sunday, 11 am–4 pm**

**Native plant sale:** Corvallis Chapter's annual fundraiser at the Corvallis Spring Garden Festival in Central Park. See full listing in the NPSO Calendar.

**May 15–16, Saturday and Sunday, 10 am–4 pm**

**Native Plant Sale:** Audubon Society of Portland, 5151 N.W. Cornell Road. Proceeds benefit Audubon programs such as nature education, wildlife sanctuaries, and wildlife rehabilitation. Over 100 species of Oregon wildflowers, shrubs, and trees. Special shopping lists for shade, sun, butterflies, and hummingbirds are available as well as on-site plant experts to answer questions.

**Plant Sale Advance Presentation:** Join educator, herbalist, and activist Judy Bluehorse Skelton at 7 p.m. Tuesday, May 11, in Heron Hall for a free Nature Night presentation on our relationship with native plants as food, medicine, and more. All events are free and open to the public. Information: 503-292-9453 or [www.audubonportland.org/sanctuaries/plant-sale/plant-sale](http://www.audubonportland.org/sanctuaries/plant-sale/plant-sale)

**May 16, Sunday, 10 am–4 pm**

**Plant sale:** Mount Pisgah Arboretum's 30th Annual Wildflower Festival and Plant Sale, in conjunction with Native Plant Society of Oregon's Emerald Chapter and LCC Science Division. Proceeds support the Arboretum's work in habitat restoration and environmental education. Mount Pisgah Arboretum, 34901 Frank Parrish Road, just south of Eugene. Wildflowers, live music, food, crafts. New this year: Art in Nature. Local artists display throughout the arboretum with a map to find their work. Information: 541-747-3817, [www.MountPisgahArboretum.org](http://www.MountPisgahArboretum.org)





CASSONDRA SKINNER @ USDA-NRCS PLANTS DATABASE

*Brown's peony or western peony (Paeonia brownii)* is native to dry sagebrush and *Ponderosa pine* country from British Columbia south to Wyoming, Nevada, Utah and California. It can grow in sand; the fleshy roots store food to carry the plant through dry summers.

in distribution, not part of our flora except as the occasional ornamental.

There will be other surprises, the result of new information, particularly from the molecular world. These include genera moved to different families, shifted to a different genus, or given a new (and usually older) name. *Trialistis* moves from the Primulaceae to the Myrsinaceae, *Ledum groenlandicum* to *Rhododendron*, and *Cladothamnus* to *Elliottia*. Such is the fate of plant taxonomists and botanists, both professional and amateur, in the modern world. Fortunately, authors offer an explanation for the changes with ample literature citations.

Maps are a disappointment; a dot in the middle of the state where species is known to occur is not very helpful. Earlier volumes had maps that showed the species' approximate distribution on the landscape. Representative illustrations are attractive, accurate, and well chosen, but do not include most species—usually the one you are trying to identify. The book has dichotomous identification keys that presumably should lead to a correct identification confirmed by careful, accurate descriptions. This volume, like the others in the series, is well constructed, with

quality paper, cover, and binding.

Keen NPSO members may want to buy the book as the latest taxonomic word on the included species. Otherwise, the published volumes are available online at [www.efloras.org](http://www.efloras.org).

*Frank Lang is professor emeritus of biology at Southern Oregon State University and a member of the Siskiyou Chapter of NPSO.*



USDA-NRCS PLANTS DATABASE. WETLAND FLORA: FIELD OFFICE ILLUSTRATED GUIDE TO PLANT SPECIES. USDA NRCS.

*Seaside brookweed, Samolus valerandi L., is a perennial forb/herb.*

## Now Available: Native Plant Society of Oregon Occasional Paper 3

*Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.

by John A. Christy, Angela Kimpo, Vernon Marttala, Philip K. Gaddis, and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation that have occurred since 1806. A total of 1,556 taxa in 125 families are represented in a catalog that compares historical conditions with those of today. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by local planners and land managers.

Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.

Orders: Prepaid only

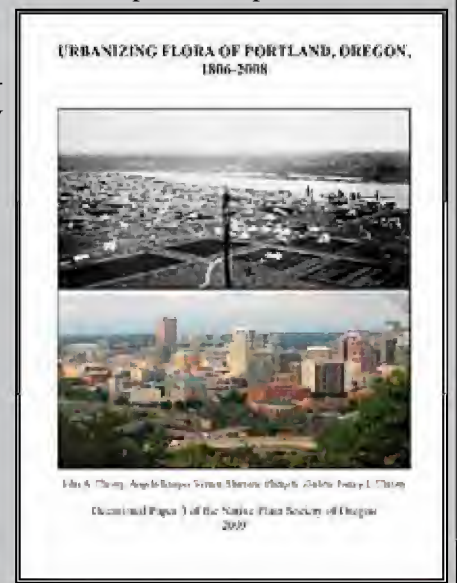
Contact: John Christy

7050 SW Canyon Crest Drive

Portland, OR 97225-3623

[john.christy@oregonstate.edu](mailto:john.christy@oregonstate.edu)

Please remember to include your mailing address and telephone number.



# 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 \_\_\_\_\_

Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS (to 6/2010)..... Sam Friedman, Laurel Moulton, Judi Sanders (to 6/2011)..... Celeste Coulter, Dan Luoma, Billy Don Robinson  
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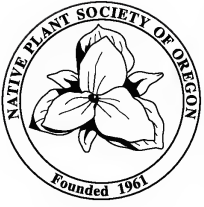
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 CONSERVATION, WEST SIDE..... David Lebo ..... [president@NPSOregon.org](mailto:president@NPSOregon.org); 503-622-3191 ext. 639  
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It is the generous sharing of time, talents, and treasures by interested people that makes the Oregon Flora Project the incomparable botanical resource it is. We draw information from numerous institutions, agencies, and individuals; thus your participation broadens the knowledge that we then share with the general public. Species lists and photographs from diverse areas of the state are welcomed—check our Web site to obtain a template for submitting data, as well as a list of plants for which we need field photographs. There are many opportunities for volunteering, both in the OFP offices in Corvallis and remotely. And we greatly appreciate, as well as rely upon, your financial support.

Contact us to let us know how you want to become a more involved Friend of the Oregon Flora Project! Mail correspondence to: Oregon Flora Project, Dept. Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902; or email [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org); or phone 541-737-4338. Financial contributions can be made payable to the Agricultural Research Foundation (with “OFP-4482” on the memo line) and mailed directly to: ARF, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 43, No. 5

JUNE 2010

## Introducing Portland Budwatch *PSU grad students form new phenology project*

by Madeline Steele

This spring, many Oregon plant species have bloomed or leafed out weeks earlier than average. This shift in plant phenology may be driven by climate change, but there simply is not enough data to know for sure. It is very important that we obtain this information in order to make predictions about consequences and prepare to mitigate for potential effects of climate change. If, for instance, a plant starts blooming earlier due to rising temperatures, but its preferred pollinators are driven by changes in photoperiod and do not emerge earlier, both species could be seriously impacted.

A group of graduate students at Portland State University, led by Professor Marion Dresner, is organizing a botanical citizen science research group, to be officially launched in February 2011. This new phenology project, Portland Budwatch, aims to build local knowledge about native plant life cycles. We aim to mobilize volunteers who can regularly check on individual plants to note when they leaf out, bloom, bear fruit, and so on.

Portland Budwatch organizers will concurrently develop a website that will allow people to conveniently submit their data into one central database. The website will include information about all monitored species and will make it easy for anyone to access this database.

We will be developing phenology lesson plans for teachers to use with



BEN POLLAK

*Christa von Behren, field technician for the Berry Botanic Garden and one of the founders of the phenology program to be known as Portland Budwatch, does some plant monitoring.*

students of all ages. This curriculum will be an excellent way for students to learn about plant identification and climate change impacts while taking satisfaction in contributing to real-world research.

We are also interested in forging partnerships with other organizations. The Berry Botanic Garden's field technician, Christa von Behren, is a project founder. We also have the support of Portland Parks and Recreation. Data collected for this project will be shared with Project Budburst

(<http://www.budburst.ucar.edu>) and the USA National Phenology Network (<http://usanpn.org>). Their websites are an excellent source for information about phenology.

Ideally, Portland Budwatch will be a true collaboration between academics and citizen scientists; we would like to have volunteer voices shape our organization, and we will recognize everyone's efforts with occasional socials and celebrations. We aim to keep our structure flexible: people will be able to work in teams (a great way to meet fellow botany enthusiasts!) or work remotely if they prefer. This will allow people from all over the Pacific Northwest to contribute, although most of the work will be concentrated in the Portland metro area.

We are calling for volunteers in this effort. If you are a citizen scientist or a teacher interested in participating next spring, please contact us! We will add you to the mailing list and contact you with additional details between

*continued on page 2*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

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

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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.

*Portland Budwatch, continued from page 1*  
now and next January. We would love to hear from groups interested in partnering with us, or offering us support as we become established. If you would like to share phenological data from previous years, please contact us.

We are primarily interested in native plant phenology, but data on invasive weed phenology, bird migration timing, insect emergence, or any other aspect of Pacific Northwest phenology would be wonderful. The more data we can gather, the more likely we are to recognize new climate-driven trends.

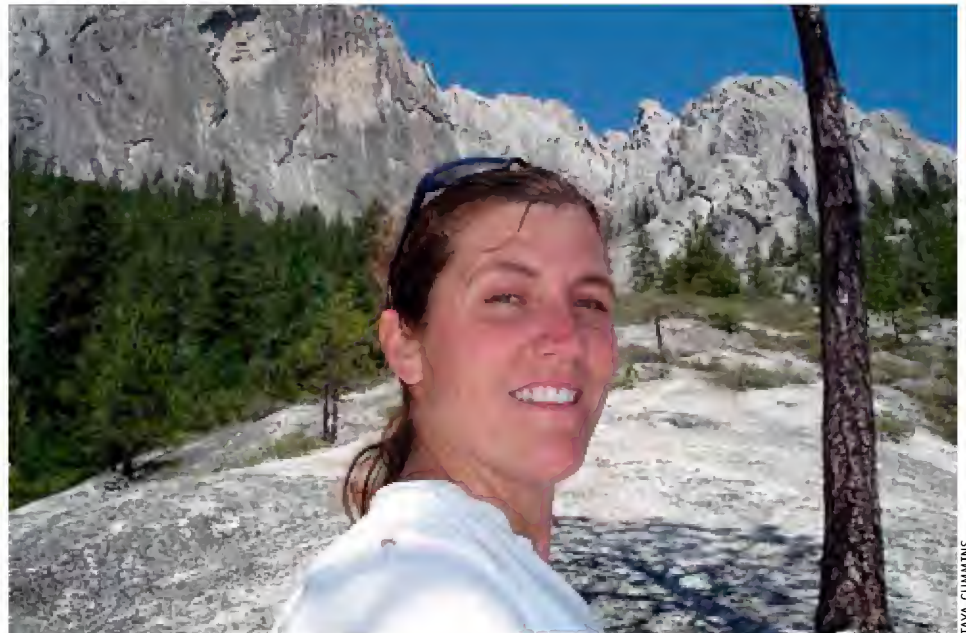
Also, we invite you to share ideas

on how we might structure our volunteer network, thoughts about what information we should collect, and which species we should include in our research. We are very interested in hearing from you and will be happy to answer any questions you may have.

Whether you would like to be on the mailing list, receive our lesson plans, offer suggestions, or ask questions, please write us at [budwatch@gmail.com](mailto:budwatch@gmail.com). We'd love to hear from you!

*Madeline Steele is one of a group of graduate students and professors at Portland State University who are organizing the Portland Budwatch project.*

## The Bulletin Has a New Editor!



The Native Plant Society of Oregon is pleased to introduce Taya Katherine Cummins, the new editor for the *Bulletin*. Taya has over ten years of experience working with native plants, including native plant propagation, habitat restoration, environmental education, botany instruction, and consulting. She has a B.S. in Forestry and Natural Resources Management from California Polytechnic State University, San Luis Obispo, and an M.S. in Biology with an emphasis in botany/plant ecology from California State University, Northridge.

Currently, she works as a consulting botanist with SWCA Environmental Consultants in Portland. She has conducted botanical fieldwork throughout California and the Pacific Northwest. Her work focuses primarily on rare plants, vegetation mapping, invasive species management, and wildlife-plant interactions.

In addition to wonderful fieldwork opportunities, she writes and reviews a variety of technical natural resource reports. Aside from professional endeavors, Taya enjoys exploring the world around her. She spends much of her time botanizing (of course!), rock climbing, hiking, surfing, skiing, gardening, and enjoying time spent with her partner, Jim, and their two dogs, Henry and Bessie. Taya is looking forward to ensuring that the *Bulletin* remains a great source for members to keep up to date on NPSO events and other botanical items of interest!

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

**June 8, Tuesday, 5–7 pm**

**Summer work party.** Native plant garden at the McMinnville Library. New volunteers welcome. Bring gloves and garden tools. Please let Susan Williams know if you plan to attend: 503-538-1865, [helgesusan@comcast.net](mailto:helgesusan@comcast.net). Other work parties are scheduled for July 13, Aug. 10, and Sept. 14.

**June 19, Saturday, 9 am–3 pm**

**Workshop: Plant Family Identification Primer.** Kareen Sturgeon, past chapter president and retired botany professor at Linfield College, will present a plant family ID workshop from 9 a.m. to noon in the Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Practice your ID skills in optional session from 1–3 p.m. Register by June 12. Workshop cost is \$5; mail check, made out to Cheahmill Chapter NPSO, to Kareen Sturgeon, 1135 N.W. Winterwood Loop, McMinnville OR 97128. Hand lenses will be available for purchase for \$13, or bring your own. Information: [ksturg@linfield.edu](mailto:ksturg@linfield.edu).

## Corvallis

If you have questions about any of these programs or would like to join the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

**June 6, Sunday, 9 am**

**Fieldtrip: Marys Peak with Phil Hays and Esther McEvoy.** We will hike from Connors Camp on the East Ridge Trail to the Tie Trail Junction to the North Ridge Trail and have lunch on the summit, then climb back down the East Ridge Trail to Connors Camp. There should be many early blooming plants.

Maybe we will see the avalanche lilies. Meet at 9 a.m. at the usual parking lot across from the Monroe Beanery. Bring a lunch, sturdy walking shoes, raingear and water. Information: Esther, 541-754-0893. The hike is steep and we will not get back until late afternoon. Hike is 6.74 miles round trip.

**June 12, Saturday, 1:30–4:30 pm**

**Field trip** to check populations of *Delphinium pavonaceum*, peacock's larkspur. Join Gaylee Goodrich and Esther McEvoy as they retrace past fieldtrips to look at populations of the rare peacock's larkspur. Meet at 1:30 p.m. at the parking lot across from the Monroe Beanery. We should be back by around

### 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. For a sample copy check out the NPSO website. 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. 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.

4:30. Bring water and raingear. This is an easy field trip to look at several sites near Corvallis. Information: Esther at 541-754-0893.

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>. Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**May 22, Saturday, 8:30 am**

### Field Trip: Heckletooth Mountain.

Just outside Oakridge, this low-elevation mountain trail passes through several flowery meadows, forest, and some interesting recovering burned areas before reaching rocky viewpoint at the top. A wide variety of plants includes *Madia elegans*, *Balsamorhiza deltoidea*, *Lomatium macrocarpum*, *Arnica cordifolia*, and *Astragalus umbraticus*. The trail is less than 3 miles round trip with 1,200 feet of elevation gain, but there are several steep stretches. Rain date is Sunday, May 23. Meet at South Eugene High School at 8:30 a.m. or the Lowell covered bridge at 9 a.m. Information and registration: Tanya Harvey, 541-937-1401 or [Wild.Iris@att.net](mailto:Wild.Iris@att.net). Co-sponsored by the North American Rock Garden Society.

**June 5, Saturday, 9 am**

**Field trip: Horse Rock Ridge.** Alan Curtis will lead a hike to a steep, rocky meadow high in the Coburg Hills north of Springfield. There are wonderful views of the surrounding countryside and great botanical diversity. This is a 5-mile walk. Bring water and lunch. Wear hiking shoes. Meet at South Eugene High School at 9 a.m. Information: 541-345-5531.

**June 26, Saturday, 9 am**

**Field trip: Sahalie Falls and Sand Mountain Lookout.** Sahalie Falls pours over the southernmost edge of the Sand Mountain lava flow that dammed Clear

Lake. After stopping there to meet Don Allen of the Sand Mountain Society and look at the falls, we'll continue to Sand Mountain to see alpine wildflowers and habitat restoration work. The Sand Mountain hike is about 3 miles with 800-foot elevation gain. Bring hiking shoes, warm clothing, snacks, and water. Meet at 9 a.m. at South Eugene HS or Thurston area Albertsons (far NE Parking). Information: 541-746-9478.

### July 10, Saturday, 8 am–4 pm

**Field Trip: Tour of Upper Elk Meadows South of Cottage Grove.** Led by Alan B. Curtis. We will leave South Eugene High School parking lot at 8 a.m. The site is 30 miles southeast of Cottage Grove on paved roads. Elevation of the meadow is 4,000 feet. Over 200 species of vascular plants have been identified here. Of special interest is *Frasera umpquaensis* at its most northerly location. Surrounding the meadow is an old-growth *Abies amabilis*, *Abies grandis*, and *Pseudotsuga* forest. Wear boots as we will cross the meadow. There is no trail, and we will walk about 1-1/2 miles. Bring lunch and water. Return to Eugene by 4 pm. Information: Alan at 541-345-2571.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

To sign up for e-mail notices of impromptu field trips and detailed information about upcoming meetings, send e-mail to Hanna Metzger ([hannam@gorge.net](mailto:hannam@gorge.net)).

### June 10, Thursday, 6 pm

**Annual potluck picnic:** Sorosis Park (next to the Columbia Gorge

Community College campus), The Dalles

**No formal meeting is scheduled in June**, but a June field trip will be announced by e-mail.

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

## 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](mailto:donjphoto@gmail.com).

### May 23, Sunday, 10 am

**Hike, Canemah Bluff Metro Natural Area.** Meet at end of Fourth Street in Oregon City at 10 a.m. Questions, directions, or ride share: [Erin.riggs14@gmail.com](mailto:Erin.riggs14@gmail.com) (parking is tight). Canemah is the counterpart to Camassia Prairie just across the river, similar vegetation, nice rare oak habitat; we might spot some *Delphinium*. Short, easy hike of about 1.5 miles.

### June 10, Thursday, 7 pm

**Talk: "20 Years in Malheur"** Kareen Sturgeon will give a slide show on 20 years of botanizing in the Malheur area. As a botany professor at Linfield College, Sturgeon led field trips to Harney County, including Steens Mountain, the Alvord Desert, Mickey Basin and Cottonwood Creek. Come see the amazing diversity of wildflowers found in juniper woodland, shrub steppe, and desert scrub vegetation zones, in lithosols ("Indian grocery stores") and on alkaline playas, and learn about their adaptations to these challenging environments. Mt. Tabor Presbyterian Church, Southeast Belmont at 54th Avenue; church lot parking OK. Info: Billy Don, 503.515.1708

### June 12, Saturday, 10 am at park entrance

**Hike: Mount Talbert.** Mount Talbert is an extinct volcano lava dome that

rises about 750 feet above sea level in North Clackamas County with great oak ecological system. The 183 acres, with about 4 miles of hiking trails, have been designated a nature park by the Metro and the North Clackamas Parks District. At a measured, meandering botanical pace, hike should last 2-3 hours. The park is just east of I-205 and south of Sunnyside Road. From Southeast Sunnybrook Boulevard turn south on 97th Avenue and follow until it becomes Mather Road. The park entrance is on the left. Take TriMet bus 156-Mather Rd. from Clackamas Town Center; see TriMet website for directions. Information or carpool: [Erin.riggs14@gmail.com](mailto:Erin.riggs14@gmail.com)

### June 19, Saturday, time TBA

**Hike: Bay Ocean Spit.** Search for typical wildflowers of mudflats, beach, upland dunes, and coastal forest. We should see *Castilleja littoralis*, *Solidago spathulata*, *Jaumea carnosa*, *Glehnia leiocarpa*, *Lathyrus littoralis*, *Lupinus littoralis*, and many other gems, plus many birds of these habitats. Up to 8 miles hiking with 50-foot elevation gain. 160 miles driving. Contact Paul Slichter for meeting time and place, 503-661-3292 or [pslichter@verizon.net](mailto:pslichter@verizon.net).

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to [oregonbk@mind.net](mailto:oregonbk@mind.net).

### May 23, Sunday, 10 am

**Field trip: Black morels**, led by John Teem. We'll be looking for black morels in the Howard Prairie vicinity, the most abundant edible spring mushroom near the valley. There will be others to see and identify, too, but not with the same abundance or diversity as in the fall. Meet behind Oil Stop on Ashland Street next to the Ashland BiMart/Shop'n Kart parking lot, about 1/4 mile west of I-5, exit 14. Information: John Teem at (541) 621-6137 or [john@continuumfarm.com](mailto:john@continuumfarm.com).

## June 5, Saturday, 10 am

**Field Trip: Three Rogue Valley Trees.** NPSO fellow Frank Callahan leads us to a Hinds Walnut site on Bear Creek, followed by trip to the Tolo Tavern to see the Famous “Tolo Tree” a gray pine about a half mile north of Tolo on Gold Ray Road. Then a quick jog to Fort Lane historical site to see the gallery tree and then to Foley Lane and let the hike begin—a short but rigorous hike to see both gray pine and California buckeye. Bring a lunch and prepare to carpool. Group size limited; registration required. Meet at Abertsons in Central Point at 10 a.m. Leader: Frank Callahan, 541-855-1164, callahanseeds@gmail.com.

## June 26, Saturday, 9am

**Field Trip: Bolan Lake area.** Located within the confluence of the Klamath Mountains and the Coast Range, with influences from the Cascades, the region at the top of Happy Camp Road above the Illinois Valley offers a host of botanical attractions. We will drive from Happy Camp Road to Bolan Lake, exploring several spots along the way that showcase varying geology and plant habitats, including pine forest, serpentine outcrops, and marsh/fen areas. Bolan Lake has a fine Forest Service campground which may be open by the end of June. Meet at 9 a.m. at the O'Brien Store, 6.5 miles south of Cave Junction on U.S. 199. Information: Norm Jensen, normjensen@gmail.com.

## July 3, Saturday, 9 am

**Field Trip: Grizzly Peak.** Walk between walls of Tower Larkspur and Monkshood to the top of Grizzly Peak, and then check out the summer bloom along the loop trail. Distance: 5 miles; elevation gain: 1,350 feet. Meet at 9 a.m. behind the Oil Stop on Ashland Street, just west of the BiMart/Shop 'n Kart parking lot in Ashland, about 1/4 mile west of I-5, exit 14. Leader: Alex Maksymowicz, 541-482-1964

## July 4 Sunday, 10 am–4 pm

**Wildflower Show:** The Siskiyou chapter of NPSO will host the annual Irene

Hollenbeck Memorial Wildflower Show at the Ashland Community Center, 59 Winburn Way (across from Lithia Park). The show features over 300 species of flowers from the volcanic Cascades, the much older Siskiyou, and the valleys in between. Free admission. Information: Jim Duncan, 541-482-7629.

### Dates to save for summer field trips:

**July 17, Saturday:** Lee Webb, Bigelow Lakes. Traditional moonlight hike!! Nearly a full moon and good way to escape the heat in the valley.

**July 31, Saturday:** Alex Maksymowicz, Mount Ashland, Rabbit Ears. and Grouse Gap to see the high-elevation summer bloom.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

### June 6, Sunday, 8:30 am

**Work party: VA Native Plant Garden** Please join us at our native plant garden located on the Veteran's Hospital complex around 9 a.m. We want to get the garden looking nice for spring and summer. Bring gardening tools and lunch if you wish. Spend a couple of hours with members and friends enjoying the garden. Information: 541-459-2821 evenings.

### June 10, Thursday, 7 pm

**Program: Photo Journey from Switzerland.** Dan Luoma, professor and past president of the state NPSO board, will share photos from his recent trip to Switzerland. Please join us for a fun evening at a new location: the auditorium at the Douglas County Museum of Cultural and Natural History. Directions: .Museum address is 123 Museum Drive, Roseburg; I-5 exit 123. NPSO members will be there to escort you in. Information: Donna Rawson, 541-459-2821 evenings.

### June 19, Saturday, 9 am

**Event: Plant Survey: Rough popcorn flower.** It is time again for the annual

plant survey conducted at the Sutherlin festival grounds. Umpqua chapter members have been helping with this survey for several years. The park is just south of Central Avenue between Willamette and Umatilla streets in Sutherlin. Bring a sack lunch and a little energy. No experience necessary; there will be several experts to train you in counting these rare plants. Carpool from the northeast corner of the parking lot behind the Douglas County Courthouse in Roseburg or in the southwest corner of Sutherlin Park at 9 a.m. Information: Neal Hadley, 541-679-8889, or Sam Friedman, 541-673-0589.

## Willamette Valley

For program information contact John Savage at 503-399-8615

### May 30, Sunday, 7 am

**Field Trip: Dog Mountain.** Participants in this all-day hike will view wildflowers on Dog Mountain, on the Washington side of the Columbia Gorge. This is a difficult hike. Bring lunch and water. To register, call 503-399-8615 after 7 p.m.

### June 5, Saturday, 9 am–2 pm

**Field Trip: Kingston Prairie Preserve.** This 52-acre Nature Conservancy preserve southeast of Stayton is the best example of native prairie remaining in the central Willamette Valley. Both wet and dry prairie habitats harbor native grasses and host several rare wildflowers. Bring water and lunch. Information: John Savage, 503-399-8615 after 7 p.m.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

**No chapter meetings** for May through August, but watch for field trip opportunities during this time. Meetings will resume in September.



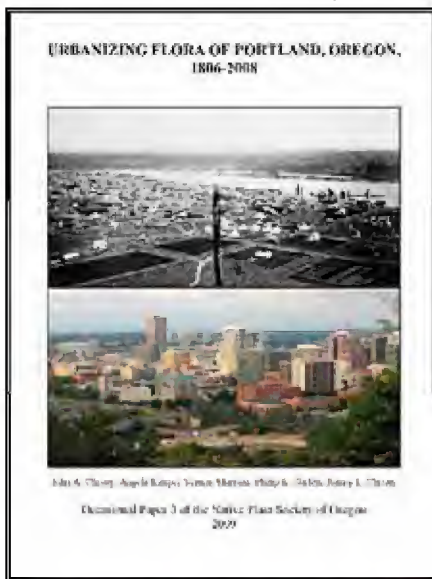
# Now Available: NPSO Occasional Paper 3

*Urbanizing Flora of Portland,  
Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.

by John A. Christy, Angela Kimpo,  
Vernon Marttala, Philip K. Gaddis,  
and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation that have occurred since 1806. A total of 1,556 taxa in 125 families are represented in a catalog that compares historical conditions with those of today. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by local planners and land managers.



Price: \$15 postpaid, checks payable  
to Native Plant Society of Oregon.

Orders: Prepaid only

Contact: John Christy

7050 SW Canyon Crest Drive

Portland, OR 97225-3623

john.christy@oregonstate.edu

Please remember to include your mail-  
ing address and telephone number.

# Jepson Herbarium Plans Workshop in Steens

The Berkeley, Calif.-based Jepson Herbarium will offer a workshop, "Flora and Ecology of the Steens Mountains," from July 28 to Aug. 1 at Fish Lake Campground in Harney County. Join Donald Mansfield and Richard Miller to explore the Steens Mountains' unique combination of Rocky Mountain, Sierra alpine, and montane plants. As a consequence of the Steens' isolation from these floras, some new species or varieties have evolved that are endemic to Steens or the local region.

We will spend most of our time at elevations above 7,000 feet. We will also explore alpine wetlands, as these are areas where some of the most interesting botanical curiosities can be found. No matter where we go, we will see rare plants and common members of the Northwest Great Basin flora and discuss endemism, origins of Steens landscapes and flora, and regional ecology.

Course fee (\$525 Jepson members/\$550 nonmembers) includes campground facilities, meals, and transportation within Steens Mountains from Wednesday dinner to Sunday lunch. Campground facilities include potable water and vault toilets. For registration information, call 510-643-7008, or find more information and a registration form at <http://ucjeps.berkeley.edu/workshops/2010>.



## NPSO Items for Sale

**Native Notecards.** Beautiful, high-quality notecards with art by Terry Peasley, Cheahmill chapter member, are available. Eight cards are offered through NPSO's Cheahmill chapter: trillium horizontal, trillium vertical, fawn lily, red columbine with hummingbirds, varied thrush on oak, kingfisher on red osier dogwood, Bewick's wren on Douglas spirea, and western tanagers on oak. See the cards at [www.terrypeasleyart.com/pages/cards](http://www.terrypeasleyart.com/pages/cards). The cost is \$3 each including envelopes, or 4 for \$10. Contact Marna Porath at P.O. Box 726, Amity, OR 97101, [marna@onlinemac.com](mailto:marna@onlinemac.com) or 503-835-1042.

**Booklets on Gardening with Native Plants.** Emerald Chapter's three booklets about native plants of the southern Willamette Valley are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." \$8.00/set of three, mail order. Individual booklets sold from the NGAP booth at Down-To-Earth, or by check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. Also see online in PDF format at [www.emeraldnpso.org](http://www.emeraldnpso.org) Click on "Gardening with Native Plants."

**Field Guide to Shrubs of Southwest Oregon.** An 80-page, pocket-sized field guide identifies 56 of the most frequently-encountered shrubs in SW Oregon, and describes each species in detail with words and photos, including habitat, leaves, twigs, fruit, and flowers. Dichotomous keys, illustrations of common plant parts and glossary included. Janet Walker, NPSO Siskiyou chapter member, and Max Bennet, Forestry Agent with Jackson/Josephine Counties. \$7/copy; checks payable to "OSU Extension Service." Mail to Shrub Guide, Jackson County Extension, 569 Hanley Rd., Central Point, OR 97502.

**Poseidon's Necklace.** Don Begnoche, Siskiyou chapter, has issued an Oregon field guide covering the coastal section, mile by mile, from Astoria to Brookings. Genesis of the coastal landscape and flora found on dunes, headlands and montane slopes; over 500 landscape and floral photographs as well as geologic maps and illustrations. PDF format on a CD. \$19.95 + \$2.50 s/h. Mail checks to Don Begnoche, 439 Herbert St., Ashland, OR 97520

# 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:

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City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

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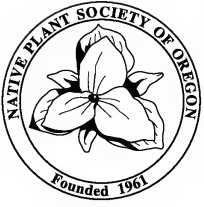
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## Friends of the Oregon Flora Project

Volunteerism is an important resource that keeps the Oregon Flora Project moving forward. It also offers individuals an opportunity to contribute to a scientific body of information that will be a valuable resource for decades.

There are many aspects of the OFP that would benefit from the help of extra minds and hands. Listed below are some opportunities in which we would welcome your participation:

[www.oregonflora.org](http://www.oregonflora.org)

- Submit species lists from NPSO (or personal) field trips to Wilbur Bluhm, our NPSO-Atlas coordinator.
- Post twice-monthly updates to our website.
- Confirm identification of images from our photo library.
- Provide administrative support through help with office and communication tasks.

Please contact us with ideas of how you can promote the mission of the OFP. We appreciate the help! Email Linda Hardison at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org) or phone 541-737-4338.



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 43, No. 6

JULY 2010

### Lawrence Grasslands Fieldtrip

*NPSO Annual Meeting, Clarno, June 2010*

*by Jim Long, Umpqua Chapter*

Our driver-guide-interpreter suddenly seemed to remember the bumper sticker "We brake for wildflowers." He slowed, pointed out the window, and commented he'd photograph the blazing big-headed clover on our way back.

This hike was on The Nature Conservancy's 370-acre Lawrence Memorial Grassland Preserve. Our guide, Dr. Stu Garrett, had helped establish the Newberry National Volcanic Monument 10 miles south of Bend in 1990. A hiking companion was Paul



*Big-headed clover ablaze during NPSO hike to Lawrence Memorial Grassland Preserve*



*Horned lizard enjoying Stu Garrett's warm hands the morning of our hike*

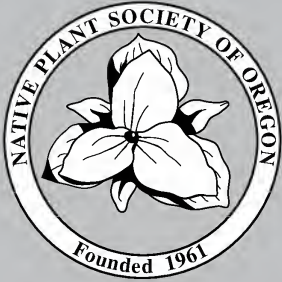
Schlichter, photographer, plant enthusiast and writer about hiking the Pacific Northwest.

The Lawrence Preserve in the scablands of the 3,000 to 4,000-foot Shaniko Plateau is dominated by tall native bunchgrasses on the scattered deep soil "biscuits" known as Mima Mounds which today still puzzle geologists. The Preserve so well illustrates Oregon's native meadow-shrub steppe communities that the Department of Interior named the Preserve a National Natural Landmark, one of only a few in the Pacific Northwest. It honors University of

*continued on page 6*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message:  
subscribe npsos

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### Bulletin of the Native Plant Society of Oregon

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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.

## Oregon's Own "Resource Extraction" Debacle

by Rhoda Love, Emerald Chapter

Every nature-lover is appalled by the photographs of oil spilling relentlessly into the Gulf of Mexico destroying vegetation and wildlife. But here in Oregon we should also be concerned with the outcome of another ill-conceived scheme to extract mineral wealth from a pristine landscape. I refer to the 2003 seeding of many acres in southwestern Josephine County with the invasive European annual, *Alyssum murale*, known by the common name "yellow tuft."

This fast-growing member of the mustard family is known to be a "hyper-accumulator" of heavy metals, and was planted in the Kerby area supposedly to sequester nickel from the mineral-rich soils. Viridian Resources of Texas oversaw the planting of thousands of *A. murale* seeds with the promise that all would be harvested before flowering and seed set. We know now of course that the promise was not kept; the plants were not harvested in time. As might have been anticipated, the project was an economic failure for Viridian; the alien allysum has spread through the Kirby area and is moving into the unique and vulnerable Rough and Ready Botanical Wayside.

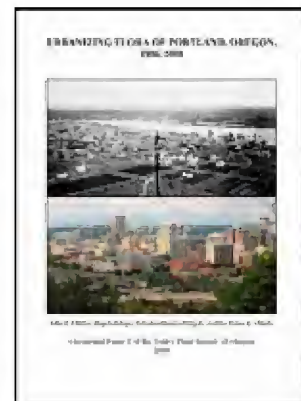
An article by reporter Jeff Duetzel of the *Grants Pass Daily Courier*, which was reprinted in the May 26 *Eugene Register-Guard* provides an excellent account of the boondoggle and what will now take place to try to mitigate against the spread of this rapacious annual invader which has no natural enemies in Oregon. Viridian Resources has donated funds to try to undo the environmental disaster --does this sound familiar? Herbicides have been sprayed south of O'Brien and many volunteers are hand-pulling the plants at Rough and Ready. The allysum has also spread to other nearby areas due to local flooding in December 2005. And I am dismayed to learn that the plant has recently been spotted on Eight Dollar Mountain. One can't help but remember the folk song of the 1960s: "When Will They Ever Learn?"

## Now Available: NPSO Occasional Paper 3

*Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.  
by John A. Christy, Angela Kimpo, Vernon Marttala, Philip K. Gaddis, and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation that have occurred since 1806. A total of 1,556 taxa in 125 families are represented in a catalog that compares historical conditions with those of today. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in



Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by local planners and land managers.

Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.  
Orders: Prepaid only  
Contact: John Christy  
7050 SW Canyon Crest Drive  
Portland, OR 97225-3623  
[john.christy@oregonstate.edu](mailto:john.christy@oregonstate.edu)  
Please remember to include your mailing address and telephone number.

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter Web site: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

**No chapter meetings** June through August, but **field trip** opportunities exist. Email Marna Porath, program chair, at [marna@onlinemac.com](mailto:marna@onlinemac.com) or call at her 503-835-1042 to be notified when dates are announced.

### July 13, Tuesday, 5 - 7 pm

**Summer Work Party:** Native plant garden at the McMinnville Library. New volunteers are always welcome. Bring gloves and your own garden tools. Please let Susan know that you're planning to attend. 503-538-1865, [helgesusan@comcast.net](mailto:helgesusan@comcast.net).

### Upcoming Events:

**Fieldtrip: Walker Flat ACEC.** BLM manager Kurt Heckerth will lead a weekday field trip to Walker Flat ACEC, but a date has not been set. He also will lead a work party at Yampo ACEC on a weekend, also no date yet.

**Work Party:** The Nature Conservancy will offer a plant survey day to augment their list at Yamhill Oaks for NPSO members only; this date has not been set, either. The chapter is participating in The Nature Conservancy work party at Yamhill Oaks on Aug. 14; there is a wait list for last-minute cancellations.

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

### July 10, Saturday, 8 am

**Field Trip: Iron Mountain.** Spectacular wildflowers with over 200 species of vascular plants recorded along this botanically rich trail west of Santiam Pass. The all-day hike will be approximately

5 miles through moderately difficult terrain. Bring good boots, lunch, and water. Directions: Meet at 8 AM at the OSU parking lot SW of The Beanery, 26th and Monroe, Corvallis. Information: Contact Dan Luoma, 541-752-8860.

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>. Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

### 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. For a sample copy check out the NPSO website. 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. 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.

### June 26, Saturday, 9 am

**Field trip: Sahalie Falls and Sand Mountain Lookout.** Sahalie Falls pours over the southernmost edge of the Sand Mountain lava flow that dammed Clear Lake. After stopping there to meet Don Allen of the Sand Mountain Society and look at the falls, we will continue to Sand Mountain to see alpine wildflowers and habitat restoration work. The Sand Mountain hike is approximately 3 miles with an 800-foot elevation gain. Bring hiking shoes, warm clothing, snacks, and water. Meet at 9 am at South Eugene HS or Thurston area Albertsons (far NE Parking). Information: 541-746-9478.

### July 10, Saturday, 8:00 am

**Field Trip: Tour of Upper Elk Meadows South of Cottage Grove.** Led by Alan B. Curtis. We will leave South Eugene High School parking lot at 8 am. The site is 30 miles southeast of Cottage Grove on paved roads. Elevation of the meadow is 4,000 feet. Over 200 species of vascular plants have been identified here. Of special interest is *Frasera umpquaensis* at its most northerly location. Surrounding the meadow is an old-growth *Abies amabilis*, *Abies grandis* and *Pseudotsuga menziesii* forest. Wear boots as we will cross the meadow. There is no trail and we will walk about 1 1/2 miles. Bring lunch and water. Return to Eugene by 4 pm. Information: Alan at 541-345-2571.

### September 20, Monday, 7:30 pm

**Meeting: Rare and Endangered Plants of the McKenzie River Watershed.** What is a rare plant and why are some plants rare? Charlene Simpson, Emerald Chapter R & E Co-Chair, explores these questions and discusses plants found in the McKenzie River watershed that are of conservation concern with few known populations or whose survival is threatened by natural or human caused events. Charlene draws from her 30-year slide archive to illustrate her program. EWEB Training Room at 500 East 4th Avenue, Eugene. Information: 541-746-9478.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

No meetings are scheduled for July and August.

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

### July 11, Sunday, 1 pm

**Field Trip:** Janet Stahl will lead an easy walk to see spring plants in bloom on the Bay Ocean Sand Spit. Participants may walk the spit on the ocean side or the bay side. Meet at the parking lot, at 1:00 pm. Directions: From Tillamook, West on 3rd. St., turn right at large sign to Cape Meares and Cape Meares Lighthouse, follow along Tillamook Bay to Large Sign on right explaining the Bay Ocean Sand Spit, turn right, drive to end of the road parking lot. Information: 503-842-8708 or [jjjs@oregoncoast.com](mailto:jjjs@oregoncoast.com)

## 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](mailto:donjphoto@gmail.com).

### July 11, Sunday, 10 am

**Field Trip: Balch Creek.** Meet at the parking lot at lower trail head on Upshur. Balch Creek gently winds its way up from trail head to the Upper Macleay Park trail head near the Audubon Society on Cornell road. What lies between is one of the most beautiful

urban canyons to be found in the area. We will be walking at a measured botanical pace and the hike should last around 2-3 hours. Directions: From I-405 in downtown, take exit 3 for Highway 30 towards St. Helens. Immediately exit onto NW Vaughn Street and drive .3 miles to NW 26th Street. Turn left, make an almost immediate right onto NW Upshur Street, and then follow Upshur for half a mile to the parking area at the end of the street. Find the path by walking under the suspension bridge. The park will funnel you towards the trail. Public Transportation: The Sunday Bus # 77 will get you to the stop at 27th and Vaughn, you will have to walk up Upshur to Lower Macleay Park for about 4-5 blocks. Look on Trimet web site for bus schedules. Information: Contact Erin Riggs at [erin.riggs14@gmail.com](mailto:erin.riggs14@gmail.com) for questions or carpool.

### July 31, Saturday, Time TBA

**Field Trip: Mt. Hood Meadows Trail 667.** Search subalpine and alpine meadows and balds for mountain flowers and sedges with spectacular views south and east. Gentians, buckwheats, goldenrods and butterflies galore! The trail climbs 1200 feet from Mt. Hood Meadows parking lot to the top of ski lifts. About 6 miles with some steep cross-country rambling included. Contact Paul Slichter for more info, meeting time and place at 503-661-3292 or [pslichter@verizon.net](mailto:pslichter@verizon.net).

### August 15, Sunday, Time TBA

**Field Trip: Gifford Pinchot N.F. Huckleberries.** Hike near the southern Cascade crest in search of late huckleberry flowers and ripening berries. We will also spend time along the road near one of the leader's favorite berry patches (bring appropriate collection devices). Destination to be determined by ripening of the berries. Drive distance up to 120 miles. Contact Paul Slichter for meeting time and place at 503-661-3292 or [pslichter@verizon.net](mailto:pslichter@verizon.net).

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information

such as field trip cancellations. To be added to the list, please send your e-mail address to [oregonbk@mind.net](mailto:oregonbk@mind.net).

### June 26, Saturday, 9 am

**Field Trip: Bolan Lake area.** Located within the confluence of the Klamath Mountains and the Coast Range, with influences from the Cascades, the region at the top of Happy Camp Road above the Illinois Valley offers a host of botanical attractions. We will drive from Happy Camp Road to Bolan Lake, exploring several spots along the way that showcase varying geology and plant habitats, including pine forest, serpentine outcrops, and marsh/fen areas. Bolan Lake has a fine Forest Service campground which may be open by the end of June. Directions: Meet at 9 am at the O'Brien Store, 6.5 miles south of Cave Junction on U.S. 199. Information: Contact Norm Jensen at [normjensen@gmail.com](mailto:normjensen@gmail.com).

### July 3, Saturday, 9 am

**Field Trip: Grizzly Peak.** Walk between walls of tower larkspur and monkshood to the top of Grizzly Peak, and then check out the summer bloom along the loop trail. Distance: 5 miles; elevation gain: 1,350 feet. Directions: Meet at 9 am behind the Oil Stop on Ashland St, just west of the BiMart/Shop 'n Kart parking lot in Ashland, about 1/4 mile west of I-5, exit 14. Information: Contact Alex Maksymowicz at 541-482-1964

### July 4, Sunday, 10 am - 4 pm

**Event: Wildflower Show.** The Siskiyou chapter of NPSO will host the annual Irene Hollenbeck Memorial Wildflower Show at the Ashland Community Center, 59 Winburn Way (across from Lithia Park in Ashland). The show features over 300 species of flowers from the volcanic Cascades, the much older Siskiyou, and the valleys in between. Free admission. Information: Contact Jim Duncan at 541-482-7629.

### July 17, Saturday, 4 pm

**Field Trip: Bigelow Lakes Moonlight Hike.** Lee Webb's Traditional Evening Mt Elijah and Bigelow Lakes Hike! Lee will show us ideal places for botanizing

and long-eared owl and bat watching. Bring dinner, warm clothes, flashlight, and sturdy hiking boots. Nearly a full moon and a good way to escape the heat in the valley. Directions: Meet at 4 pm at the Illinois Valley Visitor Center, Cave Junction (1/2 block from Hwy. 199 on Hwy. 46); return by midnight. Information: Contact Lee at 541-479-6859.

### July 24, Saturday, 8:30 am

**Field Trip: Willow Witt Ranch.** At nearly a mile high in the Southern Cascades near Ashland, Oregon, our 440 acres feature meadows, conifer and oak woodlands, springs, wetlands, and streams flowing from the crest of the Bear Creek Watershed. A tour of Willow-Witt Ranch brings together Southern Oregon's historic past, innovative present, and sustainable future. Directions: Meet at 7:50 am behind the Oil Stop on Ashland St, just west of the BiMart/Shop 'n Kart parking lot in Ashland, about 1/4 mi west of I-5, exit 14. Information: Contact Sasha Joachims at sasharain71@gmail.com or 541-661-3492.

### July 31, Saturday, 9 am

**Field Trip: Mt. Ashland, Rabbit Ears and Grouse Gap.** Enjoy the mid-summer bloom on Mt Ashland. We will visit the summit area, Rabbit Ears, and Grouse Meadows. Expect 1-2 miles of easy walking with modest elevation gain. Directions: Meet at 9 am behind the Oil Stop on Ashland St, just west of the BiMart/Shop 'n Kart parking lot in Ashland, about 1/4 mi west of I-5, exit 14. Information: Contact Alex Maksymowicz at 541-482-1964.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

### July 8, Thursday, 6 pm (Program at 7 pm )

**Meeting: Note Time and Place change.** We will have our business meeting starting at 6 pm at the Douglas County Museum. Gardner Chappell

has invited Umpqua Valley Chapter to hold our meeting there again this month. Program: Photo highlights of the NPSO annual meeting held in Clarno. Jim Long and Sam Friedman will talk about the annual meeting they attended and show us photo highlights of several field trips they participated in while in Clarno. **Directions:** I-5 to exit 123. Museum address is 123 Museum Drive, Roseburg, Oregon. Information: Contact Donna Rawson during the evening at 541-459-2821.

### July 10, Saturday, 8 am

**Field trip: Cougar Bluff.** We will be taking a field trip up the North Umpqua River with a destination of Cougar Bluff. Watch our website and e-mail alerts for more information. This will be an all day trip.

### July 24, Saturday, 8 am

**Field trip: Fish Creek Meadows.** Fish Creek Meadows is located near Fish Mountain. We will see a wide assortment of native plants in bloom including several different species of *Mimulus* and *Penstemon* as well as *Viola maclo-skeyi* and *Ribes erythrocarpum*. Bring lunch, drinking water, and hiking boots or appropriate shoes to keep your feet dry. Directions: Meet at the corner of Fowler St. and Diamond Lake Blvd., (behind the Douglas County Courthouse) to carpool. Information: Contact Sam Friedman at 503-358-9526.

### August 7, Saturday, 8 am

**Field Trip: Twin Lakes Overlook.** This trip will take us to the trailhead that leads down to Twin Lakes. Not only is the view spectacular, but the abundance of different plants that will be blooming is fantastic. We should see orchids, saprophytes such as candy stick (*Allotropa listeria*), Pinesap, and Pine-drops. Bring lunch, drinking water, and hiking boots or shoes. Directions: Meet at the corner of Fowler St and Diamond Lake Blvd at 8 am to carpool. Information: Contact Sam Friedman at 503-358-9526.

## Willamette Valley

For program information contact John Savage at 503-399-8615

### Saturday, July 3, 7 am - 5:30 pm

**Field Trip: Iron Mountain.** Enjoy one of the best summer wildflower hikes in Oregon. Iron Mountain has over 300 different species of flowers amid stands of trees and meadows. John Savage will lead the all-day hike over a seven-mile loop with elevation gain. Bring food and water. Sponsored by the Willamette Valley Chapter of the Native Plant Society. Information: For more information and to register, call 503-399-8615 after 7 pm. Free and open to the public.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> for updates and general information.

**No chapter meetings** for May through August, but watch for field trip opportunities during this time. Meetings will resume in September.

## OTHER EVENTS

### North American Butterfly Association

We are pleased to present a full schedule of field trips in July. July is the best month locally for butterflies and their flowers. **For more information about these trips and to register,** call Ellie at 541-684-8973 or e-mail at woodnymph3000@gmail.com.

### July 7, Wednesday, 8 am

**Field Trip: Metolius Seeps and Prairies.** We are fortunate to be guided on this trip by Susan Anderson, an entomologist and naturalist who lives in Sisters. Another title for this hike could be *Sorting Out the Blues* because 7 to 8 species are anticipated.

### July 17, Saturday, 8 am (Formerly scheduled in June)

**Field Trip: Mary's Peak—the Queen of the Coast Range.** NABA members,

Randy and Pam Comelo will be our guides for exploration in their home grounds of Mary's Peak.

**July 24, Saturday, 8 am**

**Field Trip: July Butterfly Count at Browder Ridge, Iron Mt., and Cone Pk.** Our annual count in the meadows of the central Cascades each year finds almost 40 species and hundreds of individual butterflies.

## Ashland Parks and Recreation

**Saturdays (July and August only), Sundays, Wednesdays & Fridays, May 2 - September 29, 10 to 11:30 am**

**Field Trip: Lithia Park Nature Walks, Ashland.** Trained volunteer naturalists lead an easy, interesting 1.5 hour nature walk through Lithia Park. Topics

include: trees, flowers, birds, climate, water, geology and the history of the park. Nature walks are free. Please meet us at the park entrance, across from the Plaza in Ashland. Walks are provided by the Ashland Parks & Recreation Department. All ages welcome. Free. Pre-registration is not required. Directions: Meet at Lithia Park entrance, Ashland. Information: Call 541-488-5340 or visit [www.AshlandParksandRec.org](http://www.AshlandParksandRec.org).

*Lawrence Grasslands, continued from page 1*

Minnesota's Donald Lawrence, professor of botany and ecology.

Among its 150 plus blooming plants were five lomatiums, an onion, and larkspur. Stu Garret wanted us to not miss a thing, even a friendly horned lizard and the microbiotic crust, a coating of lichens, mosses, and fungi growing on the shallow soil that receives less than a dozen inches of precipitation a year. Over 130 species of lichens, bryophytes and fungi have been inventoried on the Preserve; 45 lichens were previously unreported in Oregon before the Preserve was established in 1974; two were seen in the U.S. for the first time in the Lawrence Grassland Preserve. Five species here are found on the state's endangered plant list: Western spring beauty, rock onion, John Day Valley biscuitroot, bristle flowered collomia, and Henderson's ricegrass. At lunch we sampled a carefully selected Indian celery (*Lomatium nudicaule*).

Just beyond the boundary fence at the end of a leisurely but intense hike, Stu Garret dug up a biscuitroot (*Lomatium coux*) and offered tidbits for us to taste. Then he turned to photograph the big-headed clover.

*For more information about the Lawrence Memorial Grassland Preserve for education and research, readers may contact The Nature Conservancy in Portland, 503.228.9561, and Google the Preserve.*



## New Pacific Northwest Wildflower iPhone Application

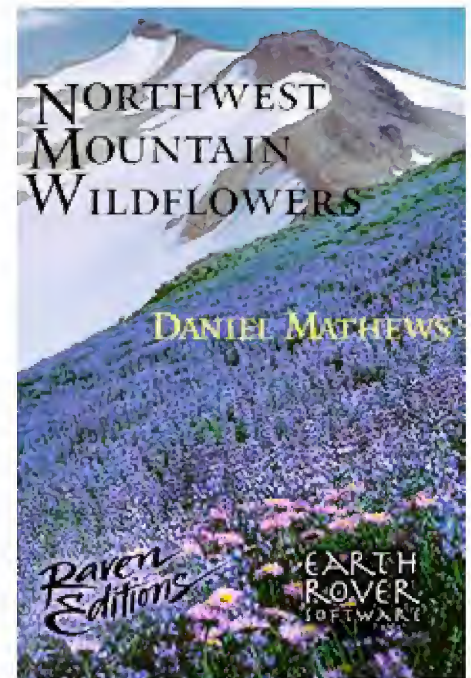
*A handy new field guide*

*by Daniel Mathews*

I have prepared a field guide for iPhone and iPod touch, called Northwest Mountain Wildflowers, based on my books *Cascade-Olympic Natural History* and *Rocky Mountain Natural History*, expected to be available at the iTunes store by late June.

This electronic field guide covers 500 species, illustrated with more than 700 photos, and it weighs nothing, or at least adds nothing to the weight of your mobile device. The content is entirely contained in memory; you do not need to be online when using it. You can search by any of several criteria, and in the index you can choose whether you look at scientific names (including synonyms), common names (including several alternates), or scientific and common mixed together. The Oregon Flora Project was used as the top authority on accepted scientific names.

The range covered is similar to Hitchcock and Cronquist, but slightly greater in the east, but does not include the Klamath Range. The 500 species are herbs, exclusive of grasslike plants, plus a few subshrubs small enough to be mistaken for herbs. A companion app covering the trees and shrubs is expected to be released by the end of the year. The software was written by Chris Leger, who has already done a number of wildflower apps with Earthrover



Software.

Though identification comes first, you will also find many pages of "Natural History" text on topics including ecology, mycorrhizal connections, interesting adaptations, plant uses among the native peoples, explanations of the names, recent taxonomic changes, and more. There are articles on naturalist-explorers whom plants are named after, on each plant family, and on each physiographic region or mountain range.

*Based on Cascade-Olympic Natural History and Rocky Mountain Natural History, by Daniel Mathews. For additional information, look up Northwest Mountain Wildflowers on the iTunes store, or go to [www.earthrover.org](http://www.earthrover.org). Available for \$9.99.*

# 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 \_\_\_\_\_

Please make checks for dues and contributions payable to:

**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).

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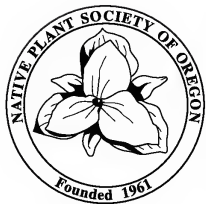
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## Friends of the Oregon Flora Project

We are pleased to announce that Dr. Stephen Meyers will be joining the OFP staff as our new taxonomic director. Stephen has contributed to Oregon Flora Project efforts in many different capacities. He began working with the OFP in 2002 as a post baccalaureate student, and was a lead worker during that summer's blitz of herbarium specimen databasing. He subsequently became a graduate student, earning his masters under Dr. Aaron Liston and his Ph.D. with Aaron and Dr. Robert Meinke studying taxonomic questions in the Plantaginaceae and Limnanthaceae. During that time, Stephen enthusiastically contributed his expertise as both a student employee and a volunteer. Years of work with OFP databases and his abiding interest in Oregon floristics make Dr. Meyers the ideal scientist to immediately contribute to the writing and taxonomic editing of the new *Flora of Oregon*. Welcome, Stephen!

Help ensure the timely completion of the Flora of Oregon under Dr. Meyers' leadership with a generous contribution made payable to the Agricultural Research Foundation (include "OFP-4482" on the memo line) and mailed directly to the foundation at: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 43, No. 7

AUGUST/SEPTEMBER 2010

### From the Field: Horse Rock Ridge Research Natural Area, 5 June 2010

by Gail Baker, Emerald Chapter NPSO and Science Division Lane Community College

A sunny Saturday at the beginning of June brought out two dozen plant enthusiasts for an NPSO Emerald Chapter excursion to Horse Rock Ridge Research Natural Area in the Coburg Hills. Our cool, cloudy wet spring made this sunny interlude especially stunning for the wildflower display and views of the Cascades.

Alan Curtis ably led us across the meadows to explore microhabitats from dry rocky outcrops to wet seeps. Full descriptions of the interesting flora and geology of the site can be found in Alan's *Horse Rock Ridge Research Natural Area Guidebook Supplement 27* (2003) and articles by Goldenberg (2004) and Thorpe (2007). You can also imagine



PHOTO BY GAIL BAKER

Alan Curtis, Field Trip Leader

the site if you listen to KLCC Natural World radio essay #74: Horse Rock Ridge by John Cooney ([www.klcc.org](http://www.klcc.org)).

However nothing compares to being there! There was so much to see and it was easy to form in small groups to investigate habitats of your choice or admire the colorful patterns across the landscape. Soil depth and the different hues of green in the native grasses are two of the defining features creating a mosaic of plant communities; Oregon fescue (*Festuca roemerii*) on the deeper

soils, Blue wild rye (*Elymus glaucus*) on the shallower soils and Lemmon's needlegrass (*Achnatherum lemmonii*) with clusters of Cut-leaved Daisies (*Erigeron compositus*) and lavender-wild onion (*Allium amplexens*) on the gravel of the rocky outcrops. There was enough moisture still present on the rocky outcrops and sides of basalt dikes, which protrude from the sloping hillside, to give us a frothy display of different species of saxifrage (*Saxifraga* spp.). This is where we found the little parasitic orobanche (*O. uniflora*) on its host plant *Micranthes rufidula*

continued on page 6

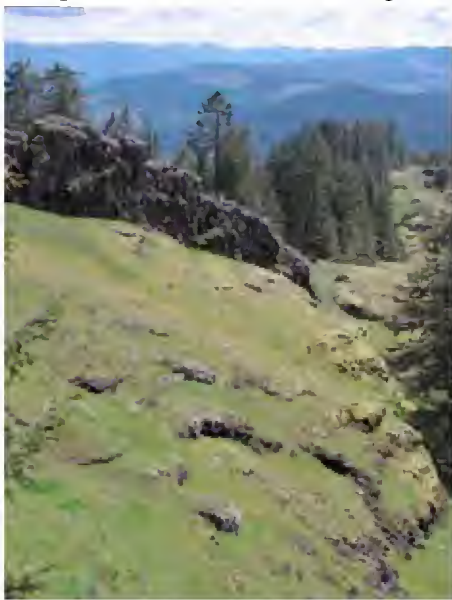


PHOTO BY GAIL BAKER

View of rocky outcrops and sides of basalt dikes, which protrude from the sloping hillside

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## Native Plant Society of Oregon

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<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

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or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

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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.

# Augusta Rockafellar Memorial Scholarship Winner: Sasha Joachims

by Thomas Jenkins, Willamette Valley Chapter, Scholarship Committee Chairman

The Willamette Valley Chapter is pleased to announce it has selected the winner for its scholarship award for 2010. The Augusta Rockafellar Memorial Scholarship will be awarded to Sasha Joachims of Medford. She was the winner of last year's Jean Davis Memorial Scholarship. Sasha will be attending Southern Oregon University in the fall and will attain her BS in Biology with a Botany Certificate. This summer will find her working for the BLM as a Biological Science Technician, monitoring rare plants and analyzing correlations to fire history. Sasha is also the Field Trip Coordinator for NPSO's Siskiyou Chapter!

Sasha is an exceptional student. Her teachers are "impressed with her work ethic and ability to grasp complex subject matter...always at the top of any class I have taught...(her) writing and communication skills are superior...

(her) enthusiasm is clearly an inspiration to her peers." For these reasons and others, the Scholarship Committee feels Sasha is highly deserving of our support and encouragement. Congratulations to Sasha!

The Jean Davis Memorial Scholarship did not receive any applications and so was held in reserve this year.



Beach carrot (*Glehnia littoralis* ssp. *leiocarpa*) is a perennial herb that is found on beaches and coastal dunes. This plant was located in Oregon Dunes National Park, near Tahkenitch Creek. The fruit of the beach carrot, seen in the picture, is borne in clusters and has wing-like ribs.

PHOTO BY JOCELYN DUFFY

# NPSO CALENDAR

## Blue Mountain

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

## Cheahmill

For more information visit the chapter website: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com)

**September 23, Thursday, 7-8:45 pm**

**Program: Denali National Park.** Photographer and naturalist Paul Slichter will present a program about the flora and fauna of the interior of Denali National Park in Alaska. Expect images of fantastic spring-through-fall scenery and recommendations on where to stay and hike within the park. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances are located on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

**October 28, Thursday, 7-8:45 pm**

**Program: The Sex Life of Plants.** Brent Miller will present a program titled "The Sex Life of Plants." Brent is from Portland and is knowledgeable about climatology and landscape physics. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances are located on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

**August 4-7, Wed thru Sat**

**Daily Display: Butterfly Gardening with Native Plants.** The Corvallis Chapter will have a display at the Benton County Fair about butterfly gardening with native plants between August 4th and 7th at the Benton County fairgrounds. Esther McEvoy will be designing the display and providing plants.

Information: For fair information, visit <http://www.bentoncountyfair.net/fair.php>.

## Emerald

The Emerald Chapter Web site has a new address: <http://emerald.npsoregon.org>. Though the address is different, the site still has all of the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**September 20, Monday, 7:30 pm**

**Meeting: Rare and Endangered Plants of the McKenzie River Watershed.** What is a rare plant and why are

### 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. For a sample copy check out the NPSO website. 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. 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.

some plants rare? Charlene Simpson, Emerald Chapter R & E Co-Chair, explores these questions and discusses plants found in the McKenzie River watershed that are of conservation concern with few known populations or whose survival is threatened by natural or human caused events. Charlene draws from her 30-year slide archive to illustrate her program. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. Information: 541-746-9478.

**October 16, Saturday, 9 am-noon**

**Work Party: Noon Herbarium Work Party.** Assist with mounting and organizing specimens in the Rowe-Love Herbarium at Lane Community College. No background is necessary and all assistance is appreciated. Learn valuable plant collection and preparation skills while assisting in adding to our collection of over 3000 specimens. Notable and historic herbarium specimens from the Herbarium will be on display. Refreshments provided. To find out more about the Rowe-Lover Herbarium please visit the following sites: <https://teach.lanec.edu/bakerg/Herbarium.htm>; <http://www.lanec.edu/archives/OH-NelsonJK.html>; <http://www.lanec.edu/archives/OH-LoveR.htm>. Location: Science Building Room 117. Information: Contact Gail Baker, 541-463-5085 or [bakerg@lanec.edu](mailto:bakerg@lanec.edu)

**October 18, Monday, 7:30 pm**

**Meeting: Alpine and Forest Flowers of the Matternispa Basin (Part I).** Dan Luoma and Joyce Eberhart share their experiences from a week of botanizing in the Swiss Alps. They were led on an outstanding wildflower adventure in 2009 by longtime NPSO member Karen Sturgeon, retired botany professor from Linfield College. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. Information: 541-746-9478.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For

questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

**Election Notice: Positions for 2011–2013 High Desert Chapter President, Secretary, and Treasurer are open.** Please email [eileen@DappledEarth.com](mailto:eileen@DappledEarth.com) if you wish to volunteer for an officer's position or know someone who might be interested. There are also openings for ad hoc committee members such as field trip coordinator, membership liaison, blog keeper, and others. We need to have nominees by the beginning of September so that we can hold elections before October 31, 2010.

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [wusara96@yahoo.com](mailto:wusara96@yahoo.com).

**September 9, Thursday, 7 pm**

**Meeting:** The speaker will be Leslie Nelson, Columbia Basin Project Manager for The Nature Conservancy. More detailed information will be sent out by email closer to the meeting date. Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles..

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

**August 21, Saturday, 11 am (10 am carpool)**

**Field Trip: Upper Trail, Cascade Head to Nature Conservancy Preserve.** The first part of the broad gentle trail is conifer forest and alder opening into grasslands. Once in the grassland, a magnificent view of estuary, marsh, sand spit, and the ocean awaits. Displays of *Silene douglasii* var. *oraria* and

*Sidalcea hirtipes* are expected as well as lupine and geranium plants in bloom. This is also habitat for the endangered Oregon silverspot butterfly. Bring a sack lunch, water and wear appropriate clothing for the weather. No dogs. Directions: From HWY. 101 in Tillamook, head south past Neskowin. At the summit, turn right on to USFS Road 1861 (approx. 39 miles), the only US Forest Service Road going west. From Lincoln City, drive 2.4 miles north of the Salmon River almost to the summit of Cascade Head and turn left on the first road heading west, USFS Road 1861, after Sitka Center Three Rocks Road. Traveling from either direction, turn West and continue approx. 3.5 miles bearing left when the road forks. The parking lot is marked by a small sign. The road is gravel once you turn from Hwy. 101. For carpools, meet in Tillamook at the PUD parking lot at 10:00 am or at the Nature Conservancy Trail Head at 11:00 am. Information: To RSVP, contact Janet Stahl at 503-842-8708 or [jjs@oregoncoast.com](mailto:jjs@oregoncoast.com)

## 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](mailto:donjphoto@gmail.com).

**August 15, Sunday, Time TBA**

**Field Trip: Gifford Pinchot N.F. Huckleberries.** Hike near the southern Cascade crest in search of late huckleberry flowers and ripening berries. We will also spend time along the road near one of the leader's favorite berry patches (bring appropriate collection devices). Destination to be determined by ripening of the berries. Drive distance up to 120 miles. Contact Paul Slichter for meeting time and place at 503-661-3292 or [pslichter@verizon.net](mailto:pslichter@verizon.net).

**August 22nd, Sunday, 10 am**

**Hike: Powell Butte Grasses.** A hike focusing on native and non-native grasses. There are over 9000 species of grasses in the world! Come learn a few of those occurring in the Portland area! Directions: The entrance road to Powell Butte parking lot is at SE Powell Blvd.

and 162nd Ave. OR take TriMet bus #9 (Powell Blvd.). Information: Email [erin.riggs14@gmail.com](mailto:erin.riggs14@gmail.com) for questions or carpooling.

## Siskiyou

*The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to Kristi Mergenthler at [coprolitemergie@yahoo.com](mailto:coprolitemergie@yahoo.com).*

**September 16, Thursday, 7:30 pm**

**Program: Elmer Ivan Applegate: The Erythronium Man.** Elmer Ivan Applegate was an important early Oregon botanist best known for his monograph on Trout Lilies (*Erythronium*). Presented by another important Oregon botanist, Dr. Frank Lang. Refreshments at 7:15 pm, meeting and program at 7:30. Directions: Southern Oregon University, Science Bldg., Room 171. Information: Kristi Mergenthaler, 541.941.3744.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

**August 12, Thursday, 7 pm**

**Event Speaker: Wild on Wilderness (WOW).** Susan Applegate will speak to us about her association with WOW and projects they are working on to help Douglas County Forests. Please join us to learn more about this organization. Location: Douglas County Museum auditorium, 123 Museum Drive, Roseburg Or. Information: Contact Donna Rawson in the evening at 541-459-2821.

**August 14, Saturday, 11 am-1:30 pm**

**Picnic: Quines Creek Summer Picnic.** Chapter member Diane Philips has invited us to have our summer picnic on her property on Quines Creek in the south county area of Azalea. Her property is on the South Umpqua River. Plan to spend a relaxing afternoon with friends. Bring chairs, place settings, and

a favorite dish to share. For more information and directions, call Diane at 541-837-3690.

### September 9, Thursday, 6 and 7 pm

**Business meeting: Regular business meeting at 6 pm and Program at 7 pm.** Learn more about NPSO and our chapter at our meetings or at the chapter website, <http://www.umpquavalley.npsoregon.org>. The program is still in the planning stages. We meet every second Thursday at 6 pm. Location: Douglas County Museum of Natural and Cultural History, 123 Museum Drive, Roseburg Or. Information: Please check our website or call Donna Rawson at 541-459-2821 evenings for updated information.

### September 26, Sunday, 9 am

**Workday: VA Native Plant Garden.** Please join us at the VA native plant garden. Bring gardening tools and gloves and plan to spend a couple of hours helping to maintain the garden. Parking is permitted in the employee parking lot near the TCU (Transitional Care Unit) on weekends. Information and Directions: Call Donna Rawson at 541-459-2821 during evenings.

## Willamette Valley

*For program information, contact John Savage at 503-399-8615.*

### August 15, Sunday, 7 am-6 pm

**Field Trip: McNeil Point.** John Savage will lead a hike to McNeil Point near Rhododendron in the Mt. Hood area. This seven-mile hike will take you through lush forest areas to meadows filled with a variety of mountain wildflowers. Sponsored by the Willamette Valley Chapter of the Native Plant Society, the hike is free and open to the public. Registration and Additional Information: Call 503-399-8615 after 7 p.m.

### September 9, Thursday, 7-8 pm

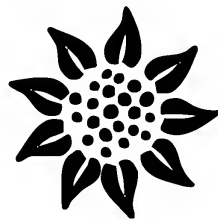
**Program: Burren, County Clare, Ireland—A Journey Through Time.** Aislinn Adams, Irish born water colorist and botanical illustrator, will speak

on the Irish limestone wilderness called the Burren. This limestone plateau in northwest Clare has a unique geology that is home to both alpine and tundra plants, often growing side by side. Adams' illustrated talk will combine her photographs of the region's flora with its 5000-year-old human history. Free and open to the public. Location: Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool, near North Salem High. Information: Please call 503-399-8615 after 7:00 pm.

## William Cusick

*Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.*

No chapter meetings for August, but watch for field trip opportunities during this time. Meetings will resume in September.



*Erigeron compositus on rocky outcrop*

PHOTO BY GAIL BAKER

## OTHER EVENTS

### The Hardy Plant Society of Oregon

September 18 and 19, Saturday and Sunday, 10 am-3 pm

**Plant Sale and Garden Festival:** Another terrific HPSO Sale & Festival is growing on the horizon. Fall is a great time to plant! More than 100 plant and art vendors, book sellers, and garden experts will be present. Location: Portland EXPO Center. Information: Visit [www.hardyplantsociety.org](http://www.hardyplantsociety.org).

### Nearby Nature

September 9, Thursday, 6:30-8 pm

**Fall Volunteer Orientation: Make a difference by sharing nature with kids!** To learn more about leading nature walks and other Nearby Nature volunteer opportunities, please attend the group's fall new volunteer orientation. Training covers everything from local natural history to the art of teaching children. No experience is necessary. Location: Eugene Public Library (Tykeson Room). Information: Call Nearby Nature at 541-687-9699, email [info@nearbynature.org](mailto:info@nearbynature.org), or visit [www.nearbynature.org](http://www.nearbynature.org).

From the Field, continued from page 1

(synonyms: *Saxifraga aequidentata*, *S. rufidula*). Purple-blue of Delphiniums (*D. menziesii*) and Blue-eyed Mary (*Collinsia grandiflora*) also dotted this area. Because of recent rain, yellow monkey flowers were not just restricted to wet seeps but carpeted the meadows along with cream death camas (*Toxicoscordion venenosum*). As we hiked farther into the area red clusters of paint brush appeared and finally a large population of balsamroot (*Balsamorhiza deltoidea*) in full bloom. This species is more commonly found east of the Cascade crest. Rare plants at the site, which include eyelash flower (*Blepharipappus scaber*) and blue cup (*Githopsis specularioides*), were not found in bloom at the time but that hardly seemed to matter. Dave McClurg has posted photos of our trip at <http://www.flickr.com/photos/mcclurg/sets/72157624212260238/> and more wildflowers found at the site can be viewed at Turner Photographics <http://www.pnwflowers.com/photos/may/040505LinnCo>.



PHOTO BY GAIL BAKER

*Allium ampletens*, slim leaf onion

## References:

- Curtis, A. (2003) *Horse Rock Ridge Research Natural Area: guidebook supplement 27*. Gen. Tech. Rep. PNW-GTR-571. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 30 p. <http://www.fs.fed.us/pnw/pubs/gtr571.pdf>
- Goldenberg, D. (2004) "Horse Rock Ridge." *Kalmiopsis* 11:63-70. <http://www.npsoregon.org/kalmiopsis/kalmiopsis11/horserockridge.pdf>
- Thorpe, A. (2007) *Horse Rock ridge Habitat Assessment*. Institute of Applied Ecology Report. [http://appliedeco.org/reports/Horse Rock Ridge 2009 report.pdf](http://appliedeco.org/reports/Horse%20Rock%20Ridge%202009%20report.pdf)

## New NPSO Members

Between January 11 and August 1, 2010, NPSO added these new members:

### Blue Mountain

Patricia Lovejoy

### Cheahmill

Larry & Leah Flake

Jason Lett

Diane McMillen

Pamela Quataert

Deborah Thomsen

David & Michal Wert

### Corvallis

Barry Cooper

Henry Dunn

Colleen Dyrud

Geoff Gardner

David Landrum

Stephen Meyers

Denise Nelson

Rachel Newton

Nayla Silwones

Laura South

Shawna Zimmerman

### Emerald

Marie Cavaroc

Barbara Combs

Paula Graff

Bob Hladky

Paul Jeffrey

Liza Kachko

Leslie Kidd

Zed Langston

Bredan Marsh

Donald K. Martin



Tari Norris

Jill & Steve Paulson

Margaret Prentice

Fenicks Rensci

Ann M. Rollins

Ashley Shaw

Catherine Siskron

Jennifer Skinner

Noel Sumstine

Clarence Townsend

Christine Williams

### High Desert

James Carlson

Sandy Conaway

*continued on page 8*

## Commemorative Water Bottle: NPSO 2010 Annual Meeting, Clarno, OR

Purchase your stainless steel water bottle (18 oz) with the NPSO logo and 2010 annual meeting information printed in green on the bottle. These stainless steel, double walled vacuum bottles will keep your hot beverages hot and cold beverages cold for over 3 hours! Each bottle comes with a mesh holder. Water bottles are available for \$20 per bottle, including shipping in Oregon. Send your check to Eileen Obermiller, PO Box 97, Powell Butte, OR 97753 and be sure to include the address to where the bottle is to be delivered.



## Now Available: NPSO Occasional Paper 3

### *Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.

by John A. Christy, Angela Kimpo, Vernon Marttala, Philip K. Gaddis, and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation since 1806. A total of 1,556 taxa in 125 families are represented. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by planners and land managers.

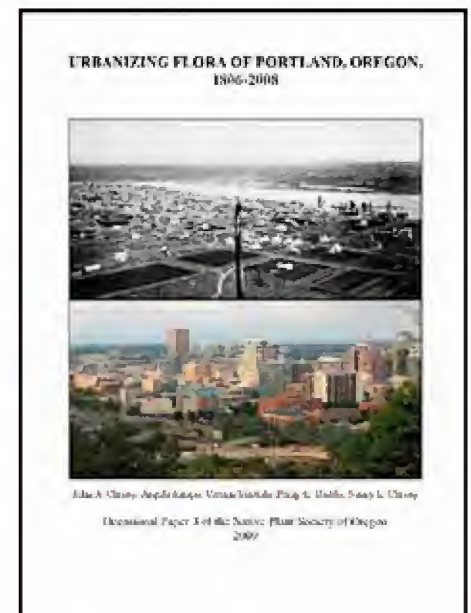
## NPSO Items for Sale

**Native Notecards.** Beautiful, high-quality notecards with art by Terry Peasley, Cheahmill chapter member, are available. Eight cards are offered through NPSO's Cheahmill chapter: trillium horizontal, trillium vertical, fawn lily, red columbine with hummingbirds, varied thrush on oak, kingfisher on red osier dogwood, Bewick's wren on Douglas spirea, and western tanager on oak. See the cards at [www.terrypeasleyart.com/pages/cards](http://www.terrypeasleyart.com/pages/cards). The cost is \$3 each including envelopes, or 4 for \$10. Contact Marna Porath at P.O. Box 726, Amity, OR 97101, [marna@onlinemac.com](mailto:marna@onlinemac.com) or 503-835-1042.

**Booklets on Gardening with Native Plants.** Emerald Chapter's three booklets about native plants of the southern Willamette Valley are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." \$8.00/set of three, mail order. Individual booklets sold from the NGAP booth at Down-To-Earth, or by check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. Also see online in PDF format at [www.emeraldnpso.org](http://www.emeraldnpso.org) Click on "Gardening with Native Plants."

**Field Guide to Shrubs of Southwest Oregon.** An 80-page, pocket-sized field guide identifies 56 of the most frequently-encountered shrubs in SW Oregon, and describes each species in detail with words and photos, including habitat, leaves, twigs, fruit, and flowers. Dichotomous keys, illustrations of common plant parts and glossary included. Janet Walker, NPSO Siskiyou chapter member, and Max Bennet, Forestry Agent with Jackson/Josephine Counties. \$7/copy; checks payable to "OSU Extension Service." Mail to Shrub Guide, Jackson County Extension, 569 Hanley Rd., Central Point, OR 97502.

**Poseidon's Necklace.** Don Begnoche, Siskiyou chapter, has issued an Oregon field guide covering the coastal section, mile by mile, from Astoria to Brookings. Genesis of the coastal landscape and flora found on dunes, headlands and montane slopes; over 500 landscape and floral photographs as well as geologic maps and illustrations. PDF format on a CD. \$19.95 + \$2.50 s/h. Mail checks to Don Begnoche, 439 Herbert St., Ashland, OR 97520



Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.

Orders: Prepaid only

Contact: John Christy

7050 SW Canyon Crest Drive

Portland, OR 97225-3623

[john.christy@oregonstate.edu](mailto:john.christy@oregonstate.edu)

Please remember to include your mailing address and telephone number.

Marilyn McEvoy-Musser  
David Miller  
Jack & Sally Morrison  
John Unruh

**Klamath Basin**

Jim & Ali Litts

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**Mid-Columbia**

10 Speed East Coffee House  
Peter Dalke  
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Xuan Sibell  
Cynthia A. Taylor  
Christa von Behren  
Colin Winkler

**Siskiyou**

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Greg Carey  
Maxine Cass  
Fred Gebhast  
Dominique Guillet  
Pam Haunschild  
Kerry Hofsess  
Larry Jaques  
Michael Kauffmann  
Linda Kreisman  
Joe & Molly Kreuzman  
Sue Mapolski  
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Hillary & Josh Chapman  
Elizabeth Cosslett  
Theresa Dielensnyder  
Patricia Dinsmore  
Ingrid Gram  
Carol Kelly  
Den Morgan  
Chris Ozuna  
Janet Parkerson  
Carol A. Poe  
Sherry Redd  
Susan Rudisill  
Daniel & Wanda Sampson  
Chuck Schnautz  
Barbara Thomas  
Bob Voltz

**Willamette Valley**

Jennifer L. Brown  
Dean & Lynn Edwards  
Donald Wolf

**William Cusick**

Siri Jackman

## Jan & Dave Dobak Nominated to Become Fellows of NPSO

by Rhoda Love, NPSO Fellows Committee

I am delighted to report that Jan and Dave Dobak of Portland Chapter have been nominated to become 2011 Fellows of the Native Plant Society of Oregon. The Dobaks will join the ranks of 20 other outstanding members of NPSO who have received this honor.

Jan and Dave were nominated by Billy Don Robinson and Jim Duncan. They will be honored with an article in the NPSO *Bulletin* in January 2011 and a longer essay in the following *Kalmiopsis*, and will receive their plaque at next summer's Annual Meeting.

Jan and Dave met each other at an NPSO meeting in Portland in 1984, and were married at the Leach Garden four years later. Their numerous contributions to our society will be outlined in the *Bulletin* article in early 2011. Congratulations to Jan and Dave!



Jan and Dave Dobak in South Africa

# 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 \_\_\_\_\_

Please make checks for dues and contributions payable to:  
**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
**Clayton Gautier, NPSO Membership Chair**  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).**

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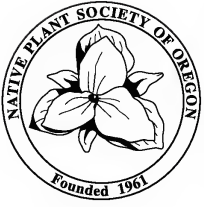
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## Friends of the Oregon Flora Project

There is cause for celebration around the OFP: the Checklist has been sent to committee for review! This represents a major milestone, as the preparation of a Checklist was the first objective established with the formation of the Flora Project.

What information is in the Checklist? **Much** more than just a list of plants! The Checklist is an in-depth reference that captures the latest scientific research as well as on-the-ground status of our state's plants. It will become available to the public later this year, both as a searchable database on the OFP website and as a published document. Thanks go to the checklist contributors, reviewers, and most notably to OFP database manager Thea Cook. Thea began working with the late Scott Sundberg on the Checklist in 2001, and has led its significant expansion and development since Scott's passing in 2004.

The completed Checklist is the foundation we have needed to write the Flora of Oregon. Share in our accomplishments and guarantee the continuation of OFP's outstanding work with a generous donation today! Please send your contribution, made payable to the Agricultural Research Foundation (include "OFP4482" on the memo line), to: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 43, No. 8

OCTOBER 2010

### Hummingbird and butterfly garden dedicated to Veva Stansell

by Joli Timm

Published by Curry County Reporter:  
August 11, 2010



PHOTO BY JOLI TIMM

*Veva Stansell has had a long-time passion with botany.*

Born at the beginning of the Great Depression, Pistol River resident Veva Stansell was raised during hard economic times. Many men, like her father, worked their early years in physically demanding positions until their bodies wore out and middle age set in. Then, if they were fortunate enough, they 'retired' to the home place – the farm – to work the land and support their families.

They gardened as best they could, mostly growing vegetables for their own consumption. They raised a couple of hogs, kept a few cows, and had plenty of venison to eat. Waste was not an option. Milk was drunk, cream was sold, and skim milk went to the hogs.

The Ismert (Veva's maiden name)

lived 'off the grid', to use a modern phrase. Kerosene lamps were used to light the house and music came from a phonograph; television would arrive much later. Friends and classmates came from the small crop of neighbors that spanned several miles up the river or across the valleys and hills. Her older brother's friends became her friends, too. When she went places, her sister, Frances, was most likely also along. This was a generation that knew how to entertain themselves and make do with what they had.

In this era school could be suspended if conditions created an agricultural emergency. It was not uncommon for students to miss school in order to work the muddy lily bulb fields, pinching off the flower buds to promote bulb growth, or weeding between the rows. There was not the luxury of backboards, which we see in use today by the commercial growers in Smith River where the worker lays on the board and then is wheeled along the rows. It was hard bend-over or squat-down, physically-challenging, tedious labor, and every available able-bodied person helped out, if not for the meager wages, then for the sense of helping a friend and neighbor.

Veva's parent's home place was near where her home is now located, and except for living in Gold Beach, Veva has always lived on the South Bank of the Pistol River. Her life-long connection to this geographical area created the necessity to adapt to fluctuating job

markets. The jobs she chose centered on the processing, and later preservation, of our natural resources.

She married Bob Stansell and they raised three sons, Dave, Cliff, and Les. She shared her life-long love of horses by becoming a 4-H leader, and when she could, she took long trail rides with her friends. It was on these rides, some lasting for days through the back-country, that she began to take notice of eco-systems and how elevation or shade, wet land or well-drained soils, fostered completely different varieties of plant life.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregion.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe nps0

### 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

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3927 Shasta View St.  
Eugene, OR 97405-4442

### Bulletin of the Native Plant Society of Oregon

Editor: Taya Cummins  
Layout Artist: Jocelyn Duffy

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregion.org](mailto:bulletin@NPSOregion.org).

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 Bulk Mail Committee - Members of Emerald Chapter

The NPSO Bulk Mail Committee meets monthly in the late afternoon at Lane Community College to sort and attach mailing labels to the newsletters. The job usually takes about an hour. Clay Gautier provides the printed labels, and Michael Hartman mails Bulletins from North Eugene the following day.



PHOTO BY GAIL BAKER

Left to right: Glen Love, Diane English, Rhoda Love, Charlene Simpson, Glen Cole, Dave Pre-deek, Nan Ahnert, Michael Hartman (Chair), Clay Gautier (Membership Chair).

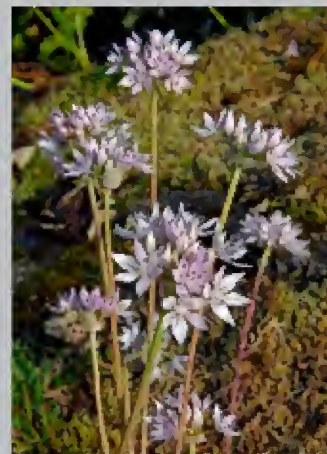
### Errata:

From the Field: Horse Rock Ridge Research Natural Area, 5 June 2010 [NPSO *Bulletin* 43(7)] - *Allium ampletens* was mis-identified and should be *Allium crenulatum*. Also, according to the Oregon Flora Project Atlas, *Balsamorhiza deltoidea* is more common on the west side but most species of *Balsamorhiza* are found east of the Cascades.

#### *Kalmiopsis* (Volume 17) Errata:

The 2010 issue of *Kalmiopsis* was mailed in August. Please take a minute to correct some errors that slipped by the editor.

- On page 26, Pacific rhododendron is listed as *Rhododendron macrocarpum*. It should be *R. macrophyllum*.
- Inside the back cover, the lower photo caption should read Hurwal Divide not Hurwell Divide. The correct caption for the center photo (yellow forb) is "Flett's groundsel (*Packera flettii*, formerly *Senecio flettii*) has a limited distribution in the Coast Range, Willapa Hills and Olympics. Curiously, it has not been seen on Saddle Mountain. Photo by Kathleen Sayce on Angora Peak."
- A corrected version of the cover is available online at the NPSO website: [www.npsoregon.org/kalmiopsis/kalmiopsis17/cover.pdf](http://www.npsoregon.org/kalmiopsis/kalmiopsis17/cover.pdf).



*Allium ampletens* in Fall Creek.

PHOTO BY TANYA HARVEY

# NPSO CALENDAR

## State NPSO Board Meeting: Portland, October 23

The next state NPSO Board meeting will take place Saturday, October 23, 10 am to 2 pm, in Portland. The meeting will be held at the Mt. Tabor Presbyterian Church, SE 54th and Belmont (entrance on 54th). Items for the agenda should be sent to David Lebo via e-mail at [dlebo@peacemail.com](mailto:dlebo@peacemail.com).

## State Notes

June 24-26, 2011

**Annual NPSO Meeting:** The Portland Chapter will be hosting the 2011 annual meeting of the Native Plant Society of Oregon in Logan Valley, located on the south side of the Strawberry Mountains. This area has an extremely diverse ecological makeup, including five of the seven major life zones in North America. Nearly every type of alpine wildflower found west of the Rockies can be observed here. The rich flora is complemented by diverse wildlife and geological history. Join us in Logan Valley this June, and you too will agree that this is a special place worthy of holding the annual meeting, and celebrating the 50th Anniversary of NPSO. More information is available at <http://2011.npsoregon.org/>.

## Blue Mountain

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

## Cheahmill

For more information, visit the chapter website, [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com). To be added to the e-mail list for upcoming programs and events, please contact Jennie Sue Dunn-Dixon at [jsdd51@verizon.net](mailto:jsdd51@verizon.net).

October 28, Thursday, 7-8:45 pm

Program: The Sex Life of Plants.

Brent Miller of Portland will present a fascinating program detailing the reproductive processes used by plants. What are some of the challenges facing plants when they try to find mates and how do they overcome those challenges? Expect to learn some botanical terminology, a bit of evolution, and some of the more interesting plant reproductive process. Brent, who has a master's degree in plant evolutionary ecology from the University of California, is a web designer who runs Foliosus Web Design. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. For more information, contact Marna

### 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. For a sample copy check out the NPSO website. 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. 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.

Porath at 503-835-1042 or [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

October 3, Sunday, 1-4 pm

**Workshop: Avery Garden Work Party and Shrub Propagation.** Join Esther McEvoy for a fall garden clean up and propagation workshop. As we prune back native shrubs we'll use the clippings to create more plants for our own gardens. Bring sharp shears and raingear. We will provide potting mix and rooting hormone. Bring a snack to share if you would like. Contact Esther for more information at 541-754-0893

October 11, Monday, 7 pm

**Meeting: Wildflowers of Marys Peak and Bald Hill.** Dr. Steven Carpenter, local author of 'Wildflowers of Marys Peak Meadows', will talk about the flowers and natural history of Marys Peak. He will also introduce us to, and request feed back on, his new work on the 'Wildflowers of Bald Hill Park'. Location: Avery Park Nature Center, Corvallis. Dr. Carpenter first became interested in wildflowers during his summers as a counselor at Spirit Lake Boy Scout Camp at Mt. St. Helens. He received his BS in Botany at OSU, MS in mycology at Cornell, and Ph.D. in Biology on a fellowship at the New York Botanical Gardens. During his years at NYBG he spent time in South America collecting new species of plants and fungi. Upon his return to Oregon, he worked on microbial recovery at the Mt. St. Helens devastation zone and on microbial nutrient cycling in old growth forests.

October 30, Saturday, 8 am

**Field Trip: Mushroom Hike.** Dan Luoma will lead experienced and novice mushroom hunters alike on a hike - itinerary to be determined by

the weather and fungus availability - to identify and gather the succulent fungi. Specimens may end up at the Mount Pisgah Arboretum Mushroom Festival. This will be an all-day outing, so please bring rain gear, a basket, waxed paper or bags, and lunch, water, etc. Meet at the OSU parking lot southwest of The Beanery, 26th and Monroe a bit before 8 am. For more information, call Dan at 541-752-8860.

## Emerald

Visit the Emerald Chapter Web site 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.

**October 16, Saturday, 9 am-12 pm**

**Work Party: Noon Herbarium Work Party.** Assist with mounting and organizing specimens in the Rowe-Love Herbarium at Lane Community College. No background is necessary and all assistance is appreciated. Learn valuable plant collection and preparation skills while assisting in adding to our collection of over 3000 specimens. Notable and historic herbarium specimens from the Herbarium will be on display. Refreshments provided. To find out more about the Rowe-Love Herbarium, please visit the following sites: <https://teach.lanec.edu/bakerg/Herbarium.htm>; <http://www.lanec.edu/archives/OH-NelsonJK.html>; <http://www.lanec.edu/archives/OH-LoveR.htm>. Location: Science Building Room 117. Information: Contact Gail Baker, 541-463-5085 or [bakerg@lanec.edu](mailto:bakerg@lanec.edu)

**October 18, Monday, 7:30 pm**

**Meeting: Alpine and Forest Flowers of the Matternispa Basin (Part I).** Dan Luoma and Joyce Eberhart share their experiences from a week of botanizing in the Swiss Alps. They were led on an outstanding wildflower adventure in 2009 by longtime NPSO member Karen Sturgeon, retired botany professor from Linfield College. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. Information: 541-746-9478.

**November 15, Monday, 7:30 pm**

**Meeting: A Botanist in Southern Iowa.** Ed Alverson of the Nature Conservancy presents "A Botanist in Southern Iowa." Iowa is the only state that lies entirely within the tallgrass prairie region, where prairies and oak savannas once covered hundreds of thousands of square miles and numerous bison and elk once grazed. Today, only a small fraction of the original natural landscape remains. Ed will describe his recent visit, which was made to study both the history and botany of this region. He will also share pictures of some of the remaining examples of the now rare native ecosystems in southern Iowa. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. For more information call 541-746-9478.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

**Election Notice:** Positions for 2011 – 2013 High Desert Chapter President, Secretary, and Treasurer are open. Please email [eileen@DappledEarth.com](mailto:eileen@DappledEarth.com) as soon as possible if you wish to volunteer for an officer's position or know someone who might be interested. There are also openings for ad hoc committee members such as field trip coordinator, membership liaison, blog keeper, and others. Elections will be held before October 31, 2010.

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby at 541-884-5703 or [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [wusara96@yahoo.com](mailto:wusara96@yahoo.com).

**October 14, Thursday, 7 pm**

**Meeting: Grazing as Habitat Management.** Susan Van Leuven, the

Washington Department of Fish and Wildlife manager for the Klickitat Wildlife Area, will talk about grazing as a habitat management tool and the methods she and others use to track range plant-community quality. Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

## Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at [donj-photo@gmail.com](mailto:donj-photo@gmail.com).

**October 14, Thursday, 7 pm**

**Talk: Rare plants of the Columbia River Gorge and adjacent East Cascades.** Paul Slichter will show photos of endangered plant species of the Columbia River Gorge and discuss ongoing monitoring efforts there with an emphasis on current threats at Catherine Creek and elsewhere. Volunteer monitoring via Washington State's Rare Care model will also be discussed. Location: Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Parking is available in the Church parking lot. For more information, call Billy Don at 503-515-1708.

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to Kristi Mergenthler at [coprolite-mergie@yahoo.com](mailto:coprolite-mergie@yahoo.com).

**October 17, Sunday, 9 am**

**Field Trip: McDonald Basin.** We will be hiking cross-country to McDonald Basin via the Siskiyou Crest and McDonald Peak. This is a great opportunity to visit one of our high mountain areas in the autumn sunshine (hopefully). There will be some interesting grasslands and hillslope wetlands along the way and plenty of big sagebrush.

The hike is less than 4 miles roundtrip but no trails (cross-country). Meet at 9 am behind the Oil Stop on Ashland St, just west of the BiMart/Shop 'n Kart parking lot in Ashland, about 1/4 mi west of I-5, exit 14. For more information call Wayne at 541-482-0093.

### October 21, Thursday, 7-9 pm

#### Program: Chaparral Mini Conference—Two Talks

Location: Southern Oregon University, Science Bldg., RM 171. For additional information, contact Kristi at 541-941-3744.

#### Talk 1: Secrets of the Chaparral - Preserving what's left of Oregon's native shrublands.

The chaparral remains one of the most misunderstood and underappreciated ecosystems on earth. Threatened by fire, inappropriate land management activities, and habitat fragmentation, the chaparral supports an incredible diversity of life forms. Join us for a discussion as we explore the chaparral's unique natural history, its fascinating plant adaptations, and reveal some of the major misconceptions many hold about Oregon's unique shrubland ecosystem. *Presented by Richard W. Halsey, a chaparral ecologist, writer, and director of The California Chaparral Institute, a non-profit research and educational organization.*

**Talk 2: Like no other: Southwest Oregon chaparral and the challenge of conservation.** Surprising new knowledge has been recently uncovered about the ecology and shrub species biology of Southwest Oregon chaparral, suggesting that this plant community is unique in the Klamath Ecoregion and in the West. But people live here, too – how do we meet the challenges of chaparral conservation in a built landscape? *Presented by Olivia Duren, MS.*

### October 23, Saturday, 9am

**Field Trip: Chaparral Tour.** Richard Halsey and Olivia Duren will co-lead a tour of Southwest Oregon chaparral. Details to be announced. Location: Meet at Rite-Aid parking lot in Ashland, Oregon to carpool. For additional information, contact Kristi at 541-941-3744.

### October 31, Sunday, 9am

**Field Trip: Fall Fungi Hike.** Led by Wayne Rolle, John Teem and John Villeda. Destination will be in the Cascades on Rogue River-Siskiyou N.F. Exact site to be determined based on how the mushroom season is shaping up at that time. Minimum 1 hour of driving time one way, maybe more. We will carpool. Location: Meet in visitor parking at the Medford Interagency Office, 3040 Biddle Road, Medford. Return to Medford by 5:00 P.M. For more information call Wayne at 541-482-0093..

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

## Willamette Valley

For program information, contact John Savage at 503-399-8615.

### October 21, Thursday, 6:45 pm

**Program: Invasive Species Control is not a Spectator Sport.** Tania Siemens and Tanya Beard will discuss early detection and rapid response work to control invasive weeds in Oregon and Marion County. Their talk will cover the weed species of highest concern including a success story on the control of oblong spurge. Siemens is the Early Detection and Rapid Response to Invasive Species Coordinator for Nature Conservancy. She is also a part-time faculty member at Oregon Sea Grant and coordinates the Watershed and Invasive Species Education (WISE) program. Beard is an Environmental Specialist/Botanist with Marion County. She has managed a plant nursery and taught basic botany, horticulture, and organic gardening classes. Location: Straub Environmental Learning Center, 1320 A St. NE, Salem. For more information, call 503-399-8615 after 7 pm.

## William Cusick

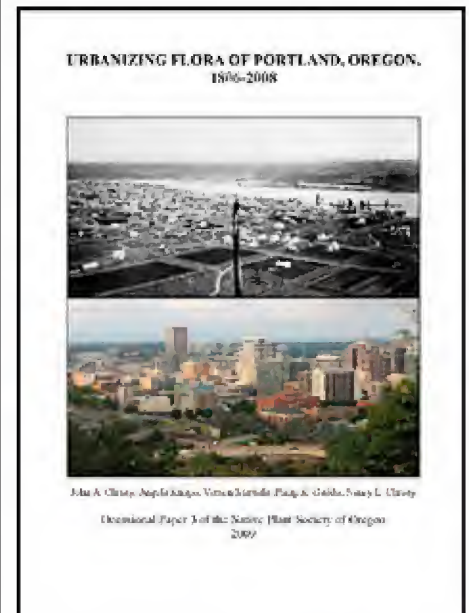
Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.

## Now Available: NPSO Occasional Paper 3

### *Urbanizing Flora of Portland, Oregon, 1806-2008*

NPSO Occasional Paper 3: 1-315.  
by John A. Christy, Angela Kimpo,  
Vernon Marttala, Philip K. Gaddis,  
and Nancy L. Christy (2009)

This compilation of the vascular plants of the Portland-Vancouver area analyzes changes in the region's vegetation since 1806. A total of 1,556 taxa in 125 families are represented. Based on herbarium specimens, publications, and unpublished manuscripts, it tracks the changing fortunes of native and exotic species shaped by an expanding urban environment. It includes a history of botany in Portland, a gazetteer of historical and modern place names, botanical miscellanea from 19th and early 20th century Portland, and lists of rare species for use by planners and land managers.



Price: \$15 postpaid, checks payable to Native Plant Society of Oregon.  
Orders: Prepaid only  
Contact: John Christy  
7050 SW Canyon Crest Drive  
Portland, OR 97225-3623  
[john.christy@oregonstate.edu](mailto:john.christy@oregonstate.edu)  
Please remember to include your mailing address and telephone number.

## OTHER EVENTS

### Eugene Natural History Society

**October 15, Friday, 7:30 pm**

**Talk: Trees, Truffles, and Beasts: How Forests Function.** Forest fungi, like truffles, aren't just there for us to eat, but play a role in the health of our forests and critters of the forests. Come hear James Trappe, forest scientist, give a delicious, illustrated talk to the Eugene Natural History Society on *Trees, Truffles, and Beasts: How Forests Function*, also the title of a recent book he coauthored. Trappe, a retired professor, is another one of those guys who has loved his profession so much that he still pursues his favorite topic, "learning new things about forest fungi," and loves to share his knowledge with others. The public is invited free of charge. Location: Room 100, Willamette Hall, UO campus.

**November 19, Friday, 7:30 pm**

**Presentation: Strange Days on Planet Earth.** Where did all the aspens go, not to mention streamside vegetation and beavers and songbirds? National Geographic's "Strange Days on Planet Earth" features the research of Bill Ripple, OSU professor of forest science, who, along with other scientists, ascribes the losses in Yellowstone National Park to the elimination of wolves. Apparently, we need the "top dog" predator to keep elk on the run and vital plant and animal diversity intact. Come hear a fascinating, illustrated talk by a "top dog" scientist, Bill Ripple, at the October meeting of the Eugene Natural History Society. Public is invited free of charge. Location: Room 100, Willamette Hall, UO campus.

### The Hardy Plant Society of Oregon

**October 17, Sunday, 3-4:30 pm**

**Talk: Armchair Garden Traveler: 5 Weeks, 58 Gardens, 4000 Miles: The Plants and Gardens of New Zealand.**

Accompany gardener and photographer Dave Eckerdt on his garden travels through New Zealand, from the tropical north to the frigid south. The northern tip offered Tane Mahuta, Maori for "The Lord of the Forest," New Zealand's largest Kaori tree, a living national treasure. The southern tip offered Maple Glen, a forty-year-old, twenty-five-acre, insecticide-free garden grown from one woman's passion for plants and birds. Derek Fell, in his book *Great Gardens of New Zealand*, writes "if there were a competition for New Zealand's most beautiful garden, Maple Glen would most probably win... this garden is to New Zealand what Monet's garden is to France." An excellent photographer and an enjoyable narrator, Dave is in his fifth year as president of the Salem Hardy Plant Society and an active member of a dozen or more horticultural groups. His own two-acre garden, *Deerly Missed*, has been featured in newspapers, magazines, and on television. Register online. \$6 per ticket. Registration limited to 120. Location: Multnomah Center, 7688 SW Capitol Hwy, Portland.

**October 30, Saturday, 10 am (doors at 9 am)**

**Talk: Change: The Passage of Time in the Garden.** Sydney Eddison, nationally recognized garden writer and author of seven books including her newest, *Gardening for a Lifetime: How to Garden Wiser as You Grow Older* (Timber Press, 2010), will share a wonderful array of stories and insights gained from a lifetime of gardening and tell us about the adaptations she has made as an aging gardener as she works to simplify her two-acre Connecticut garden. Painful joints, an aching back, and the loss of her husband made it impossible for her to maintain the garden as it once was. \$20 for HPSO members, \$30 nonmembers. Register online. Location: Moriarty Auditorium, PCC Cascade Campus, 705 N. Killingsworth, Portland 97217. Parking on campus is free on weekends and the campus is accessible by MAX Yellow Line.

### Mount Pisgah Arboretum

**October 2, Saturday, 10 am-Noon**

**Walk: Autumn Herbal Walk.** Autumn is a busy time for the herbal harvester. Join Certified Herbalist Sue Sierralupe, on a walk along our scenic trails to identify the medicinal wonders and tasty wild edibles that surround us. Bark and roots are the focus of this season's hike. Fee: \$5 (MPA members/donation). Rain or Shine. Meet at the Mount Pisgah Arboretum Visitors Center. For more information, call 541-747-1504.

**October 16, Saturday, 10am-4pm.**

**Talk & Hike: Finding and Identifying Mushrooms.** Join mushroom enthusiast Josiah Legler for a short lecture and a hike to observe mushrooms in their native habitat. We will discuss mushroom biology and ecology, edible and medicinal mushrooms, terminology and identification, and more. Dress for a walk in the woods, bring a lunch, water, and a field guide if you have one. Registration required. Rain or Shine. Fee: \$25 (MPA members/\$20). Meet at the Mount Pisgah Arboretum Visitors Center and carpool to a nearby site about 30 minutes away for the hike. Call (541)747-1504 to sign up or for more information.

**October 31, Sunday, 10am-5pm**

**Event: Mushroom Festival.** Don't miss our annual fall celebration of mushrooms and the harvest season, co-presented by Mount Pisgah Arboretum, the Cascade Mycological Society and Lane Community College. This event is one of the largest mushroom displays on the West Coast. There will also be a huge plant sale, live music, a scarecrow contest, children's activities, hayrides, craft vendors, incredible mushroom-inspired food, fresh cider, wine and much more. Suggested donation: \$5/person, kids under 12 are free. Location: Mount Pisgah Arboretum. For more information about the festival and how to volunteer, call 541-747-3817.

## North American Butterfly Association

October 4, Monday, 7 pm

### Talk: Saving the Silverspot Butterfly.

Anne Walker, a Wildlife Biologist at the Newport office of the US Fish and Wildlife, will be speaking about Recovery efforts to restore and protect this Federally Endangered butterfly. Recovery efforts include land purchases and management coordination with land owners in planting of important host and nectar plants for the butterfly. The Portland Zoo has been an important collaborator in rearing silverspot butterflies for release. Join us to hear about and celebrate some successful efforts in Silverspot recovery. Free and open to the public. Location: EWEB Training Center 500 East 4th Ave., Eugene.

## North American Rock Garden Society, Emerald Chapter

October 14th, Thursday, 7 pm

### Talk: Building for Growing: How to Create Different Environments in the Garden from Deserts to Bogs.

Peter Korn will present "Building for Growing: How to Create Different Environments in the Garden from Deserts to Bogs." Peter is a lecturer on the NARGS western speakers tour and lives and gardens in Sweden. The talk is sponsored by the Emerald Chapter of the NARGS. The meeting is free and open to the public. Location: Eugene Garden Club, 1645 High St. For more information, contact Tanya at [president@nargsemerald.org](mailto:president@nargsemerald.org) or 541-937-1401.

## Siskiyou Field Institute

October 15-17, Friday (evening) through Sunday

Workshop: Introduction to Lichens:

**Another World.** Discover the complex world of lichens by examining their structures and learning terminology needed to discuss the basics of identification. Collect lichens from the meadows and forests around the Deer Creek Center, then return to the lab to identify and preserve specimens. Learn to key your lichens using Macrolichens of the Pacific Northwest. Complete the workshop with a small personal lichen reference collection to further your studies. Don't miss the Free Evening Program, "Lichens." Instructor: Daphne Stone, PhD. Tuition: \$100. Naturalist Certificate. Location: Deer Creek Center, Selma, OR. For more information and to register for the course, visit [www.thesfi.org](http://www.thesfi.org).



## Commemorative Water Bottle: NPSO 2010 Annual Meeting



Purchase your stainless steel water bottle (18 oz) with the NPSO logo and 2010 annual meeting information printed in green on the bottle. These stainless steel, double walled vacuum bottles will keep your hot beverages hot and cold beverages cold for over 3 hours! Each bottle comes with a mesh holder. Water bottles are available for \$20 per bottle, including shipping in Oregon. Send your check to Eileen Obermiller, PO Box 97, Powell Butte, OR 97753 and be sure to include the address to where the bottle is to be delivered.

## NPSO Items for Sale

**Booklets on Gardening with Native Plants.** Emerald Chapter's three booklets about native plants of the southern Willamette Valley are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." \$8.00/set of three, mail order. Individual booklets sold from the NGAP booth at Down-To-Earth, or by check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. Also see online in PDF format at [www.emerald-nps.org](http://www.emerald-nps.org) Click on "Gardening with Native Plants."

**Field Guide to Shrubs of Southwest Oregon.** An 80-page, pocket-sized field guide identifies 56 of the most frequently-encountered shrubs in SW Oregon, and describes each species in detail with words and photos, including habitat, leaves, twigs, fruit, and flowers. Dichotomous keys, illustrations of common plant parts and glossary included. Janet Walker, NPSO Siskiyou chapter member, and Max Bennet, Forestry Agent with Jackson/Josephine Counties. \$7/copy; checks payable to "OSU Extension Service." Mail to Shrub Guide, Jackson County Extension, 569 Hanley Rd., Central Point, OR 97502.

**Poseidon's Necklace.** Don Begnoche, Siskiyou chapter, has issued an Oregon field guide covering the coastal section, mile by mile, from Astoria to Brookings. Genesis of the coastal landscape and flora found on dunes, headlands and montane slopes; over 500 landscape and floral photographs as well as geologic maps and illustrations. PDF format on a CD. \$19.95 + \$2.50 s/h. Mail checks to Don Begnoche, 439 Herbert St., Ashland, OR 97520

Fred Bowen arrived in Gold Beach around 1960 to teach biology at the high school. His evening and weekend adult classes on wildflowers were just what Veva needed to jumpstart her education into the world of botany. Following her classes with Mr. Bowen, she would apply what she learned to the greater 'outdoor classroom', usually in the company of long-time friends Ben and Lola Gardner. As the years went by, her knowledge base and interest in botany grew, and she became known as someone with an expertise in local plant lore.

Ever curious and observant about the world around her, Veva would sometimes gingerly collect plant specimens and then send them to the Oregon State University Herbarium for identification. It took her awhile to learn to use a plant key, but she credits the eventual mastery of that skill for much of her success at identification. Collecting sparingly, then keying out at home with the help of a microscope, gave her a self-taught skill valuable to her future employers, the Forest Service.

Veva says, "At the Forest Service, we first learned the designated Sensitive Plants characteristics by reading about them because we didn't want to collect if it happened to be a REALLY rare species; just document with site descriptions." Other times she would collect, press, and mount specimens to use for future reference or as an aide in training new botany techs. She considered it a real bonus to be paid for what she truly loved to do.

Working with groups and organizations, Veva would help build trails, reclaim scarred landscapes, and install interpretive signs for the education of the forest visitor. Much to her surprise, following one such joint venture with fellow Forest Service worker, Colin Dillingham (a hummingbird enthusiast) the Innominata Garden Club, and Plumas Audubon Society, she was honored by having the project dedicated to her.

When asked to comment about Veva and her work, Colin Dillingham

(now living in Quincy, California) offered the following:

"Veva is a fantastic botanist and naturalist and through her field trips, knowledge, and leadership opened the eyes of many to the wonders of nature around us. When I first had the idea to develop a hummingbird and butterfly garden in the abandoned rock quarry, Veva was very supportive and came up with many ideas for native plants that would help to attract birds and butterflies as well as other re-vegetation ideas. She is such a wonderful person; we thought it would be appropriate to dedicate it to Veva."

A brochure describing the garden, its native plants, and hummingbird and butterfly visitors can be acquired at no cost from the Gold Beach Forest Service Office.

Armed with that brochure and a great Forest Service map, my husband and I ventured out one morning to find the Hummingbird Garden. It was a good decision to take the pickup truck on the sometimes potholed and wash-boarded gravel roads. Driving up the South Bank of the Rogue, we turned onto FS 3300, then FS 3313. We stopped at beautiful waterfalls from a swiftly flowing Quosatana Creek and admired the beautiful and unique *Iris innominatas*, or golden iris.

It was no problem to follow the map and find the Garden. It never crosses your mind that once this area was a barren, rocky hole in the ground. It fits seamlessly into the forest backdrop with the most adorable flowering bushes and an entire hillside of delicate Fawn Lilies, whose spotted leaves resemble the spots on a fawn's back.

Veva says, "Fawn lilies are 'lamb-tongue' or 'trout-lilies,' so called for the spotted or variegated leaves."

There is one picnic table, a circuitous narrow trail up to the pond and back down through the ravine, and many plant stakes identifying plants along the way. The Forest Service hasn't had the funds to maintain the garden, nor any trails whatsoever, for two years now due to budget cuts, and it shows here at the Hummingbird Garden.

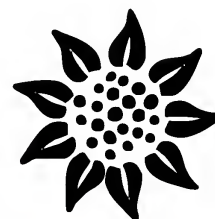
Leaving the Garden we stopped to take a look at Flycatcher Spring, then



Giant fawn lily (*Erythronium oregonum*) near Pickett Creek in Josephine County, Oregon

took a variety of forest roads until we came out at the Gardner Ranch up the North Bank of the Pistol and were greeted by two llamas and one big-horned sheep in the road. I was struck by the beauty of the green hills and half expected to see Heidi bringing the cows down for milking at grandfather's barn. It was a spectacular sight!

Be sure to take your camera if you go. While there, think about Veva and the other volunteers that spent some of their precious time and energy creating and maintaining this thing of beauty for you and me to enjoy; people like Jenifer Hutchinson, Maria Ulloa, George Cruz, Tim Scullen, Lisa Wolf, Karen McCullough, and Sunja Goldenrose who made up the last known work party in 2003. Then think about what you can do to help preserve this treasure in the absence of federal funds. It is just out there waiting for you to discover its beauty.



# 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 \_\_\_\_\_

Please make checks for dues and contributions payable to:  
**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
 Clayton Gautier, NPSO Membership Chair  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).**

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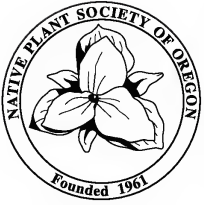
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## Friends of the Oregon Flora Project

The Oregon Flora Project is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, <http://oregonflora.org>. Funding for the Oregon Flora Project comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps the OFP progressing, please contact us at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org), or phone 541-737-4338.

Contributions can be mailed directly to: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219. Please make checks payable to the Ag. Research Foundation, and include "Oregon Flora Project-4482" on the memo line.



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 43, No. 9

NOVEMBER 2010

## Douglasia laevigata Found in Southern Lane County

by Tanya Harvey

A version of this article was originally posted on the author's website. For more reports on plant hunting in the Western Cascades, as well as plant lists and site information, visit it at [www.westerncascades.com](http://www.westerncascades.com).

I hadn't expected any excitement when Sabine Dutoit and I headed up to Groundhog Mountain yesterday (October 1). Earlier in the week, I had hurt my foot (no, not while bushwhacking over logs or climbing up a talus slope—I stepped wrong on my carpeted stairs!). I had planned to go to Olallie Mountain, but I was too unsure

of my foot to risk hiking seven miles. At Groundhog, I could enjoy a relaxing day of roadside botanizing, and if my foot gave out again, I wouldn't be too far from the car. I had no real agenda other than enjoying the sunshine and spending a few more days in the mountains before winter.

We headed straight for Waterdog Lake. Today is the first day of gun hunting season, and there were already several hunters camping by the lake. They turned out to be very friendly and came over to see what we were doing on our hands and knees on the ground. I thought this might pique their curiosity. We were looking for the remnants

of the tiny *Botrychium simplex* that Molly Juillerat and I had found back in August. There were only a few withering yellow leaves left. In contrast, the much larger *Botrychium multifidum*, a few hundred feet to the north, were sprouting and had large, handsome green leaves. Dozens of little Boreal toads were hopping around throughout the area, still dispersing from the massive congregation in the lake in August.

We continued on down Road 451 to do some further exploration where the road wraps around the west side of the mountain. First we took a short walk along the rocky part of the south-facing side where a long strip of

*continued on page 8*

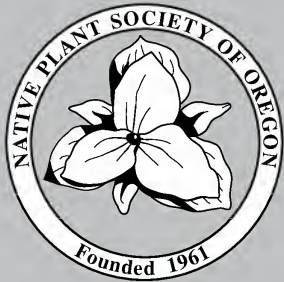


PHOTO BY TANYA HARVEY

The flowers of *Douglasia laevigata* grow in small clusters above a set of bracts still evident well after the seeds are gone. Under the microscope, little branched hairs can be seen on the flower stalk.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto: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

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The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

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.

## Mary Paetzel's Book about Solitary Wasps and Bees Published Posthumously

In early May Lee Webb told Paul Fattig, of the Medford OR Mail Tribune:

"At long last, Mary's book, *Solitary Wasps and Bees: Their Hidden World in the Siskiyou Mountains* has been published. Janet Levinson worked with Mary for over a year to get the manuscript in shape, and we have gone through several edits since, over the last several years. We published Mary's Wasp/Bee book through Lulu.com, an on-demand printing operation accessed through the Internet."

The link to Paul's article is:  
<http://www.mailtribune.com/apps/pbcs.dll/article?AID=-20100502/NEWS/5020334>.

Dr. Neal Evenhuis, an entomologist at the Bishop Natural History Museum in Honolulu, HI, received a copy of Mary's book from his sister Kitty, who lives in Grants Pass. Neal wrote to his sister:

"What a great surprise! That is a GREAT book! I have told so many people that if I had all the time and money, I'd just lie on my belly and watch biology and write about it. Mary DID IT! I am so jealous. What a truly marvelous book to read and I

### Solitary Wasps and Bees

*Their Hidden World in the Siskiyou Mountains*



love the drawings and paintings. The book would not be half as good without them."

This book is a fascinating collection of Mary's anecdotes of the wild, her meticulous field notes, wonderful drawings, and observations of the tiny creatures we so often overlook. The book is in full color. If you would like your own copy, give Lee a call at 541-479-6859, or contact him by email at [lowebb@charter.net](mailto:lowebb@charter.net), and he will arrange to ship you one.

### Membership Renewal Time is Almost Here!

Just a quick reminder that the next issue of the *Bulletin* (December/January) will contain a preprinted remittance envelope that we include to make sending in your 2011 dues payment easy and convenient. But you don't have to wait. If you want to renew early, you can use the form on the inside back page of this issue of the *Bulletin*. Enclose the form and your check in a regular envelope and send it to:

Clayton Gautier, NPSO Membership Chair  
3927 Shasta View St.  
Eugene OR 97405-4442

Before you renew, please take a quick look at the address label on your *Bulletin*. If 2011 or a later year appears along top edge of the label (or if it's blank), you do NOT need to renew - your membership is good through the end of next year.

Don't forget that year-end is a good time to consider making a tax-deductible contribution to one of 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 Rockefeller and Jean Davis memorial scholarships are awarded annually to botany students at an Oregon college or university. You may also include a contribution to the Oregon Flora Project along with your dues.

# NPSO CALENDAR

## State Notes

June 24-26, 2011

**Annual NPSO Meeting:** The Portland Chapter will be hosting the 2011 annual meeting of the Native Plant Society of Oregon in Logan Valley, located on the south side of the Strawberry Mountains. This area has an extremely diverse ecological makeup, including five of the seven major life zones in North America. Nearly every type of alpine wildflower found west of the Rockies can be observed here. The rich flora is complemented by diverse wildlife and geological history. Join us in Logan Valley this June, and you too will agree that this is a special place worthy of holding the annual meeting, and celebrating the 50th Anniversary of NPSO. More information is available at <http://2011.npsoregon.org/>.

## Blue Mountain

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

## Cheahmill

For more information, visit the chapter website, [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com). To be added to the e-mail list for upcoming programs and events, please contact Jennie Sue Dunn-Dixon at [jsdd51@verizon.net](mailto:jsdd51@verizon.net).

December 2, Thursday, 7-8:45 pm

**Note the date, Dec. 2:** This is November's program. The program is delayed to one week after the usual program date, which lands on Thanksgiving.

**Program: Ethnobotany: Tribal Plant Uses in Western Oregon.** Eirik Thorsgard of the Grant Ronde Tribes will make a presentation on how the tribes and bands from Grand Ronde used plants. Eirik, currently studying for a doctoral degree at Flinders University in Adelaide, Australia, is the cultural protection coordinator and tribal historic preservation officer of the Confederated Tribes of the Grand Ronde Community of Oregon. Members who

have seen his presentation said it was excellent. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

January 27, Thursday, 7-8:45 pm

**Program: 'Re-inventing' in the Past.** Paleontologist, author and retired professor Dr. William Orr will give a power point presentation comparing modern-day inventions to plants' and animals' astonishing ability to engineer devices for everything from predation to protection. Most innovations that we imagine characterize our culture

### 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. For a sample copy check out the NPSO website. 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. 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.

— like snap fasteners, zippers, carbide studded tools, chain saws and serrated blades — were developed by plants and animals. Fossil records demonstrate that the best ideas have been re-invented several times in the 4.5 billion year history of the earth. Dr. Orr is director of the state museum of fossils and teaches geology at Chemeketa Community College. The chapter brings back one of its most popular speakers. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

February 24, Thursday, 7-8:45 pm

**Program: Update on Sudden Oak Death.** Dr. Nancy K. Osterbauer, a Plant Health Program Manager for the Oregon Department of Agriculture, will give a presentation to update us on Sudden Oak Death, which affects our local Oregon white oak, *Quercus garryana*. The disease, *Phytophthora ramorum*, has spread and killed hundreds of otherwise healthy oaks in Oregon. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

November 7th, Sunday, 1-4 pm

**Work Party: Avery Garden work party and propagation workshop.** Join Esther McEvoy. Bring sharp shears and raingear. We will provide potting mix and rooting hormone. Information: Contact Esther if you plan to attend at 541-754-0893.

November 8th, Monday, 7:30 pm

**Meeting: Mysteries of the Monotropeae Revisited.** About 25 years ago,

Dan Luoma first made a presentation to our Chapter about this fascinating group of achlorophyllous wildflowers that are members of the heath family. Much about the biology and ecology of the Monotropoideae has been de-mystified in the interim and Dan will update us on the current state of knowledge. He will also present results from his 29 years of monitoring the northern-most known population of the snow plant (*Sarcodes sanguinea*). Location: Avery House Nature Center. Information: Contact Laurel Moulton at lamoulto@yahoo.com.

## Emerald

Visit the Emerald Chapter Web site 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.

**November 15, Monday, 7:30 pm**

### Meeting: A Botanist in Southern

**Iowa.** Ed Alverson of the Nature Conservancy presents "A Botanist in Southern Iowa." Iowa is the only state that lies entirely within the tallgrass prairie region, where prairies and oak savannas once covered hundreds of thousands of square miles and numerous bison and elk once grazed. Today, only a small fraction of the original natural landscape remains. Ed's ancestors were early pioneers in southern Iowa and were responsible for plowing a part of the virgin prairie. Ed will describe his recent visit, which was made to study both the history and botany of this region. He will also share pictures of some of the remaining examples of the now rare native ecosystems in southern Iowa. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. For more information call 541-746-9478.

## High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at [mebritton@bendbroadband.com](mailto:mebritton@bendbroadband.com). For questions or more information, please contact Eileen Obermiller at [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org).

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby at 541-884-5703 or [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [wusara96@yahoo.com](mailto:wusara96@yahoo.com).

**November 11, Thursday, 7 pm**

**Meeting: Using a Computer to Identify Native Plants.** Bruce Barnes, the owner and developer of Flora ID Northwest, LLC of Pendleton, Oregon, will demonstrate his plant identification software, which includes all Oregon plants (including those on both sides of the Columbia Gorge). Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

## North Coast

For information on the North Coast Chapter call Janet Stahl at 503-842-8708.

## 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](mailto:donjphoto@gmail.com).

**November 11, Thursday, 7 pm**

**Meeting: The Four Deserts of California.** Brent Miller will walk through the climate patterns that define our continents, explaining why there are 5 Mediterranean regions on the planet and why each of them has a desert behind it. In California the desert region is split into 3 distinct biogeographic regions: the Great Basin desert, the Mojave Desert and the Sonora Desert. But there's a little known fourth desert in California that is not associated with any of those. Come find out what it is, and get a tour of its plant life with lots of photos. Location: Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue, November 11th at 7:00pm. Church lot parking OK. Information: Contact Billy Don at 503-515-1708.

## Siskiyou

The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to Kristi Mergenthlter at [coprolite-mergie@yahoo.com](mailto:coprolite-mergie@yahoo.com).

**November 18, Thursday, 7:30 pm**

**Program: A Unique Life: Mary Paetzel.** In an illustrated talk, Lee Webb will present Mary Paetzel's life story, from her early days in Colorado, to WWII as an airplane mechanic, to her arrival in the Rogue Valley in the late 1940s - she collected pollen for 30 years, and became ardently involved with management of "her" public lands. Her odyssey in the Siskiyou's included studies of the region's flowering plants and butterflies, and intimate encounters with solitary wasps and bees. Lee will bring along Mary's notebooks of original art and copies of her books on butterflies, plants, solitary wasps and bees. Refreshments at 7:15 pm, meeting and program at 7:30. Location: Southern Oregon University, Science Bldg., RM 171. Information: Kristi at 541-941-3744.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

**November 11, Thursday, 6 pm**

**Meeting: 6 pm Business Meeting, 7 pm, Social Hour.** We have no formal program planned for this month. We hope members and friends will join us in the auditorium at the Douglas County Museum. Bring photos, slides or a disk to share, help us with fresh ideas for future events, things you would like to see on the website, favorite field trips you have taken or would like to take. We would really like to have everyone participate and help keep this chapter moving forward. Location: Douglas County Museum. Information: Contact Donna Rawson at 541-459-2821 in the evenings.

**November, date to be announced**

**Work Party: Volunteers needed for restoration work party.** Chapter members will be joining other volunteers along with Phoenix Charter High School AmeriCorps students in planting native plant species along the South Umpqua River and Deer Creek sometime in November. Students have been working hard removing trash and invasive species in several areas along the River. Now it is time to give the native plants a chance to reestablish. Information: Call Donna Rawson at 541-459-2821 in the evenings.

### Volunteers needed

We are currently in need of a few volunteers for tasks listed below. If you are interested, call Donna Rawson at 541-459-2821 in the evenings.

- Someone who could keep the website updated with upcoming events and added features.
- If you have a little free time and access to a good quality film scanner,

we have high quality photo slides that need to be sorted and scanned to disk.

- Field trip leaders
- Plant sitter – keeping potted plants healthy through summer and winter until our spring sale in May.
- Amateur botany class teachers or helpers.
- Teachers and educators to advise and help implement NPSO outreach and awareness programs to schools and the general public.

## Willamette Valley

*For program information, contact John Savage at 503-399-8615.*

**November 11-12, Thursday-Friday, 6:30-8:30 pm**

### Program: Nature Photography.

Award-winning professional photographer Joel Zak will teach students how

to create photographic images that “capture, command, and compel” during this two-part class. The class will illustrate the “art of seeing” and cover composition, lighting, and timing, among other elements. It is intended for all those interested in advancing their photography. Location: Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool, near North Salem High. Information: Co-sponsored by the Friends of Straub Environmental Learning Center and Willamette Valley chapter of the Native Plant Society of Oregon, the program costs \$5 and is open to the public. Registration is required. To register, call 503-391-4145.

## William Cusick

*Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.*

## OTHER EVENTS

### Ashland Parks and Recreation Dept.

**November 6, Saturday, 14 pm**

#### Work Party: Bear Creek Work Party.

Help make Bear Creek healthier by coming to a restoration work party at Bear Creek Park in Medford. Join other volunteers in planting, weeding, and mulching to benefit fish, wildlife, and park and water users. Proceeds from the Bear Creek Festival silent auction will be used to purchase native plants for the project site. Tools, snacks and guidance will be provided. Location: N MT Park Nature Center, 620 N Mountain Ave, Ashland. Information: Call North Mountain Park Nature Center at 488-6606 or visit [www.NorthMountainPark.org](http://www.NorthMountainPark.org). Pre-registration is not required and all ages welcome.

### Eugene Natural History Society

**November 19, Friday, 7:30 pm**

**Presentation: Strange Days on Planet**

**Earth.** Where did all the aspens go, not to mention streamside vegetation and beavers and songbirds? National Geographic’s “Strange Days on Planet Earth” features the research of Bill Ripple, OSU professor of forest science, who, along with other scientists, ascribes the losses in Yellowstone National Park to the elimination of wolves. This “top dog” predator keeps elk on the run and vital plant and animal diversity intact. Come hear a fascinating, illustrated talk by Bill Ripple, at the October meeting of the Eugene Natural History Society. Public is invited free of charge. Location: Room 100, Willamette Hall, UO campus.

**December 10, Friday, 7:30 pm**

**Talk: Bird Ecology in Panama.** The tropics will be a little closer when songbird enthusiast, Doug Robinson gives a talk on “Bird Ecology in Panama” at the December meeting of the Eugene Natural History Society. Doug is an Assistant Professor at OSU with special interests in both tropical and arid land

ecology - especially when it includes birds. The community is invited free of charge. Location: Room 100, Willamette Hall, UO campus.

### The Hardy Plant Society of Oregon

**November 7, Sunday, 3 pm**

#### Program: The Gen(i)us *Arctostaphylos*.

Genus genius Paul Bonine is a co-owner of the wholesale nursery Xera Plants Inc., and has worked in the nursery industry in Oregon for almost 20 years. He is author of the recently-published Timber Press book, *Black Plants, 75 Striking Choices for the Garden*, and has written for several national gardening publications. Location: Multnomah Arts Center, 7688 SW Capitol Hwy Portland OR 97219. Information: \$5 per ticket. Register online at [www.hardyplantsociety.org](http://www.hardyplantsociety.org). Tickets also available at the door. Only checks and cash accepted for payment at the door. If you wish to pay by credit card, you must pre-register. Doors open at 2:30 pm.

Program begins at 3 pm.

**November 14, Sunday, 10 am-12:30 pm**

**Garden School Program: Creating an Autumnal Wreath: Gleanings from the Forest Floor.** Cushiony moss, lichen-encrusted twigs, bright berries, apples, and pears reflect the abundance of the Pacific Northwest landscape and provide the raw material for eye-catching textural wreaths. Françoise Weeks returns to host another nature-inspired wreath-making workshop. Participants will create the classic welcome for their doors or beautiful seasonal centerpieces. The fee for this workshop is \$35. Participants should bring pruners or floral scissors, plus interesting plant materials from their gardens (twigs, cones, berries, evergreen branches, moss, lichens). A variety of plant materials will also be provided by the instructor. Location: Garden Fever Nursery. Information: \$35. Register online at [www.hardyplantsociety.org](http://www.hardyplantsociety.org). Registration limited to 15.

## Mount Pisgah Arboretum

**November 6, Saturday, 9-4 pm**

**Workshop: Back to Basics-Enhancing your Nature Sketchbook.** Join us for this workshop with natural science illustrators Kris Kirkeby and Katura Reynolds. This workshop will include a morning of learning basic drawing techniques and an afternoon of field sketching, allowing you to quickly put these lessons into practice. Both instructors will be available for the full day. Registration required. Rain or shine. Location: Mount Pisgah Arboretum Visitors Center. Information: Fee: \$30 (MPA members/\$25). Call 541-747-1504 or 541-747-3817 to sign up or for more information.

**November 6, Saturday, 10 am-Noon**

**Program: Fall Fruits and Foliage.** Join botanist Rhoda Love to enjoy the fall colors and learn about the adaptive strategies of plants for dealing with the coming of winter, as well as the great variety of fruits and seeds and their

diverse dispersal mechanisms. Rain or shine. Location: Mount Pisgah Arboretum Visitors Center. Fee: \$5 (MPA members/donation). Information: Call 541-747-1504.

**November 13-14, Saturday-Sunday, 10 am-4 pm each day**

**Program: Mushrooming on the Mountain.** This two-day class for beginning 'shroomers offers instruction on identification, ecology, picking, cooking with mushrooms, fungal folklore, and more! This class is geared toward people who want to learn about the wonderful, bizarre and interesting kingdom of Fungi - rather than those who only want to find edibles. Marcia Peeters, "Mushroom Queen" and co-founder of Cascade Mycological Society, will lead this two-day workshop with interactive demonstrations, discussions, and field identification characteristics. Marcia has been studying mushrooms since 1975, and mentored under Freeman Rowe, the "Mushroom King." She taught the biology and ecology of fungi at Lane Community College for 11 years. Both days will include class and field time on Mount Pisgah. Rain or shine. Location: Meet at the EPUD building. Information: Registration fee is \$75.00 (MPA members/\$70). Call 541-747-1504 to sign up or for more information.

**November 20, Saturday, 10 am-3 pm**

**Activity: Play in the Rain. Free Family Event.** Looking for something fun to do with your family on a rainy, or perhaps even sunny Saturday in November? Come on out to Mount Pisgah Arboretum for our community's 3rd annual Play in the Rain Day. Discover how fun, easy, and rewarding it is to spend time outdoors in nature in ALL kinds of weather. Activities will include hikes, horses, tree-climbing, nature crafts, scavenger hunts, seed planting, campfire cookery, and more! Don't miss this fun event-last year over 1,000 people attended. Sponsored by the Youth in Nature Partnership, a collaborative of local organizations that work closely with youth in the outdoors, Play in the Rain is a free family event for all ages. All activities and parking are FREE! Play in the Rain will happen rain or

shine, so dress for the weather. More information at Youth in Nature Partnership, [www.youthinnature.org](http://www.youthinnature.org). or [www.MountPisgahArboretum.org](http://www.MountPisgahArboretum.org). Location: Mount Pisgah Arboretum.

**November 27, Saturday, Noon-2pm**

**Walk: Mushroom Walk.** It's mushroom season. Take a walk through the Arboretum's forested trails with experienced Mycologists, Molly Widmer and Chris Melotti of the Cascade Mycological Society, and hunt for those fascinating fungi. Discuss identification, habitat, characteristics, natural history and the role of fungi within an ecosystem. Rain or shine. Location: Mount Pisgah Arboretum Visitor Center. Information: Fee \$5 (MPA members/donation). Call 747-1504 for more information.

## Nearby Nature

**November 14, Sunday, 1-4 pm**

**Workshop: Backyard Habitats.** November is the time to plant native trees, shrubs, and seeds so they develop root systems over the winter and spring before the dry Willamette Valley summer begins. Join presenter Bruce Newhouse, Principal, Salix Associates and Nearby Nature Advisory Board Member, at this fall workshop if you are interested in creating a backyard habitat for native birds, bees, and butterflies using native plants. Help our ecosystem, have a great time and perhaps you will create something beautiful, too! Pre-registration is required and space is limited. The workshop costs \$30 for members, \$35 for non-members, or a work trade at the Nearby Nature Learnscape. To register, visit [www.nearbynature.org](http://www.nearbynature.org), call 541-687-9699, ext. 2, or email [info@nearbynature.org](mailto:info@nearbynature.org) with Backyard Habitats in the subject line.

## Siskiyou Field Institute

**November 5th-7th, Friday-Sunday**

**Workshop: Mushrooms!** Learn about the biology, ecology, and field identification of mushrooms with David Lebo, MS. Investigate edible as well as

poisonous mushrooms of the Pacific Northwest. Prowl the Illinois Valley for fungi on Friday. On Saturday, drive the scenic Smith River Gorge and scout for mushrooms on the Six Rivers National Forest and along the Oregon Coast. Sunday, continue 'shrooming along the northern California coast. Beginners and the fungi-literate are welcome. Location: Deer Creek Center, Selma, OR and Oregon/California Coast. Information: To register, call 541-597-8530 or register online at [www.thesfi.org](http://www.thesfi.org). Tuition: \$125. Naturalist Certificate included.

### November 12-13, Friday (evening)-Saturday (all day)

**Workshop/Hike: Edible Mushrooms of Southern Oregon.** Join instructor, Eric McEwen, as we search in the woods and learn methods to safely collect and consume wild mushrooms. Discover characteristics for the identification of edible mushrooms commonly found in Southern Oregon which may include Morels, Boletus, Corals, Oysters, Chantrelles, and Matsutake. Use all your senses as you develop skills to recognize which mushrooms to take and which to leave. Eric will offer a Free Evening Program, "Edible Mushrooms of the Klamath-Siskiyou," November 12th at the Deer Creek Center. Location: Deer Creek Center, Selma, OR. Information: To register,

call 541-597-8530 or register online at [www.thesfi.org](http://www.thesfi.org). Tuition: \$50.

## Willamette Valley Hardy Plant Group

November 9, Tuesday, 7 pm

**Presentation: Garden photography with Mark Turner.** Mark Turner, a photographer based in Bellingham, Washington, has a passion for wildflowers, other native plants, and gardens. He is co-author of the field guide *Wildflowers of the Pacific Northwest*, copies of which will be on sale. In this program Mark shares his insights into garden photography, inspiring gardeners and garden lovers alike to see their gardens in new ways. Using examples from his extensive garden photo library, he will show the effects of different qualities of light, composition tools, perspective, point of view, juxtaposition, and seasonal change. Doors open at 6:30 for book sales and viewing botanical samples. Admission is \$6 for non-members and \$3 for members. Membership in the Hardy Plant Group is \$20 annually. Location: University of Oregon, Agate Hall, Agate Street at 18th Avenue, Eugene, OR. There is ample parking next to Agate Hall. Information: Contact Pam Perryman at 541-344-0896 or visit the website at [www.thehardyplantgroup.org](http://www.thehardyplantgroup.org).



## 2011 Native Plant Appreciation Week Poster Contest

Summer's over... but remember all of those great photos you took of native plants in Oregon this spring and summer? Now that you're probably spending more time indoors, you could take this opportunity to select the best of your photos and submit them for the Native Plant Appreciation Week Poster Contest.

Entries must be submitted online on the NPSO Photo Gallery (<http://npsoregon.org/photos/v/2011npaw/>) in the album titled "2011 NPAW Photo Contest." Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, species or other description, family, common name, location, and date). All entries must be received by January 10, 2011. Photos will be rated on artistic presentation, appropriateness to the theme, and technical excellence. Complete details can be found at: <http://npsoregon.org/photocontest.html>. If you have any questions, please email Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

## Kalmiopsis Writing Opportunity

If you like our NPSO journal, *Kalmiopsis*, and have been thinking about contributing an article to it, there are still openings for the 2011 issue. Here is how to do it. Send your idea to the editor, Cindy Roché, and request a copy of the Instructions to Authors. Prepare the manuscript according to the directions and assemble the images to illustrate it. Then send the materials to the editor. It is relatively simple and entirely painless; just ask any of the authors of previous articles. You can write an article on your own, or join forces with a friend or two to share ideas and information. Look at past issues for the types of articles published in *Kalmiopsis*, for example, Plant of the Year, Oregon Plants, Oregon Places, historical botanists, and other feature articles. Here are the addresses you need: [kalmiopsis@npsoregon.org](mailto:kalmiopsis@npsoregon.org) or P.O. Box 808, Talent, OR 97540.—Cindy Roché, *Kalmiopsis* Editor.



## Join the Native Plant Appreciation Week Committee

The Native Plant Appreciation Week Committee is looking for new members to help promote Native Plant Appreciation Week! The purpose of the committee is to promote activities for Native Plant Appreciation Week. To join, please email Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

*Douglasia laevigata*, continued from page 1

blooming *Columbiadorea hallii* was attracting lots of butterflies. Most were pine whites, but there were several fritillaries, some skippers, and some various coppers and blues. We drove farther along the road and parked where a large log had fallen, partly blocking the road. We could have driven farther, but there were many small rocks on the road, and this is about where the roadside flowers start picking up again. Over the course of the day, we saw more butterflies along this stretch, although they weren't quite as abundant. There were several clodius parnassians, orange sulphurs, an acmon blue, one each Edith's copper, mariposa copper, and what was probably a lilac-bordered copper. I also tried in vain to get a good photograph of a West Coast lady. That was the first one I'd seen all year. It doesn't seem to have been a good year around here for any of the ladies. Some of the butterflies were getting hard to identify in their tattered, late summer condition (they might say that about me as well, with all the scrapes and bruises I've accumulated).

We walked a bit over a mile up this road. Most of the flowers have gone over, but there were still lots of the ubiquitous pearly everlasting (*Anaphalis margaritacea*) and late-blooming annuals including *Gayophytum diffusum*, *Epilobium brachycarpum*, and *Polygonum minimum*. I was looking for *Arnica parryi* I'd seen here before and finally found a few still in bloom. Other plants including *Castilleja miniata*, *Agoseris grandiflora*, *Nothochelone nemorosa*, and *Chamerion angustifolium* (fireweed), still had a few blossoms left. We saw one wallflower that was re-blooming, with dried seeds on top and more buds and flowers developing near the base of the flowering stalk. There were numerous plants of some sort of rockcress (*Boechera* sp., formerly *Ara-bis*) with conspicuous, somewhat upright siliques and lavender flowers. I'm pretty sure I've seen this one before, but I still can't put a name on it.

When we reached the north end of the road where it starts to wrap around to the east, we stopped to enjoy the

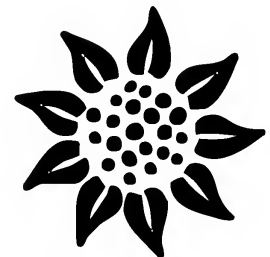
great view of Diamond Peak, the Three Sisters, and even Mt. Jefferson, while we each called home, having finally gotten cell phone reception. I was admiring a north-facing cliff off to the east, wondering how I might access it. It occurred to me that it was completely open in front of us, and there might well be some north-facing rock right here. So I suggested we walk through a short shrubby area to the edge to see what was there. We reached the edge and it was indeed very rocky. Suddenly our laid back day got very exciting. Right away I spotted *Castilleja rupicola*. I'm always thrilled to find a new site at the southern end of its range. There was also lots of *Penstemon rupicola* and *Saxifraga bronchialis*, typical denizens of north-facing cliffs in the Western Cascades. Growing among them were some very small tufts with pale seed capsules. Having just seen these at Iron Mountain on Monday, I recognized it as *Minuartia rubella*, a plant I've been looking for but rarely see.

I was plenty excited enough finding such an excellent cliff, especially at Groundhog Mountain, where there are numerous wetlands and roadcuts but very little natural cliff—or so I thought. A few steps farther and I was at the top of a very tall vertical face. This really was quite some cliff. It was way too steep to see below. But there, right in front of me was an even bigger thrill. It was a small mat of shiny leaves with red stems. *Douglasia laevigata* popped into my head immediately, but that has never been found in Lane County or this far south. Take a deep breath, don't jump to conclusions, I thought. Thankfully this plant was reachable, and I was able to get a stem complete with an old seed capsule. Learning to recognize plants in seed is very valuable this time of year. It had a capsule that was split to the base into five sections, with persistent, somewhat ridged sepals. There were several bracts a little below the capsules. The mats of *Saxifraga bronchialis* were covered with brown, two-parted capsules, while the pale capsules of *Minuartia rubella* form little toothed cups after the seeds are gone. I looked hard with the binoculars and found about five more plants

that appeared to be *Douglasia*. It will be a lot easier to spot from a distance when the bright pink flowers are out, but that may be difficult as it is such an early bloomer, and the flowers might be done by the time the snow melts off the north-facing stretch of road.

Sabine headed back to the road to wait while I headed farther downhill along the ridge near the top of the cliff area. Some sections were not so steep, and I was able to get a good look at the front of other sections. I didn't find any more *Douglasia*, but there was plenty of *Castilleja rupicola* and more *Minuartia rubella*. I went down about five successive tiers, about 200' all together. Each one had a slightly different mix of plants. *Phyllodoce empetriformis* grew in one area. This would be more surprising were it not growing in the wetland less than a mile away. Checking with the binoculars, I could see a little green and brown plant in a crack farther down that immediately struck me as *Heuchera merriamii*. When I got down there, I was able to touch several small plants that were indeed *H. merriamii*. They still had ripe seed. Back home under the microscope, I examined the black seeds. They are covered with teeny bumps and look like of miniature hedgehogs.

I can't believe how many wonderful plants were growing on this cliff. I can't wait to see it earlier next year and to look for more accessible north-facing rock nearby. After rejoining Sabine, we returned to our relaxing walk back along the road to car, both of us happy with the unexpected change in our trip. You just never know what the day will bring. That, in part, is what has me so addicted to plant exploration.



# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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 Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
 Chapter (if known) \_\_\_\_\_

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

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Please make checks for dues and contributions payable to:  
**NATIVE PLANT SOCIETY OF OREGON**

Send completed form and full remittance to:  
**Clayton Gautier, NPSO Membership Chair**  
 3927 Shasta View St.  
 Eugene, OR 97405-4442

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 – \$18  Family – \$24  
 Sustaining – \$50  Patron – \$100  Life Membership – \$500  
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *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 Award Fund	\$ _____
Augusta Rockefeller Memorial Scholarship	\$ _____
Rare and Endangered Plant 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](mailto:Membership@NPSOregon.org).**

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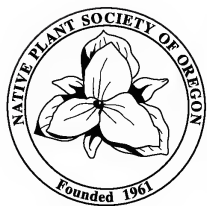
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## Friends of the Oregon Flora Project

The OFP is participating with the Consortium of Pacific Northwest Herbaria to provide the public with access to specimen data from herbaria throughout the Pacific Northwest. This summer, the National Science Foundation funded coordinated grant proposals to the herbaria at Oregon State University, Univ. Washington, Montana State Univ., and Univ. Idaho to further develop the Consortium portal. The objective is to database and display online mapping of all OR, WA, MT, and ID specimens from the funded universities, as well as from selected smaller institutions throughout each

state. The Oregon Flora Project database of Oregon specimens will be a significant contribution to the effort, and we will likewise benefit from the shared Oregon specimen records of other universities. The Consortium website is [www.pnwherbaria.org](http://www.pnwherbaria.org).

Your financial and volunteer support of the OFP is always appreciated. Please make your contribution payable to the Agricultural Research Foundation (with "OFP-4482" on the memo line), and mail directly to: Agricultural Research Foundation, Oregon State University, 100 Strand Ag Hall, Corvallis, OR 97331-2219.



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 43, No. 10

DECEMBER 2010

## Intern Report

### Giving Kincaid's Lupine the Competitive Edge

by Kristen Emmett, Geoff Gardner, and Andrew Dempsey-Karp

*This article is the first of two written by the 2010 Native Plant Society of Oregon/Institute for Applied Ecology (IAE) interns in the Conservation Research Program. Our interns participated in rare plant monitoring, restoration, floristic surveys, seed collection, and other research projects conducted by IAE staff throughout Oregon. In this article, the interns in the Conservation Research Program describe their experience monitoring Kincaid's lupine experimental plots. For more information on internship opportunities, please contact IAE at [andrea@appliedeco.org](mailto:andrea@appliedeco.org), 541-753-3099 ext. 401 or visit [www.appliedeco.org](http://www.appliedeco.org). We thank NPSO for contributing to botanical education and work experience.*

*-Andrea S. Thorpe Ph.D., Institute for Applied Ecology, Corvallis, Oregon*

The Institute for Applied Ecology (IAE) is a nonprofit organization based in Corvallis that is dedicated to the conservation of native species and habitats. Every year the Conservation

Research Program hires interns with partial funding from the Native Plant Society of Oregon. As interns we learn research skills by aiding in projects that take us all over Oregon. One of

our projects was close to home, here in Western Oregon, working on a novel restoration technique for Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*).

Kincaid's lupine is a perennial forb, usually 40 to 80cm tall, with palmately

*continued on page 8*

## It's Renewal Time!

The NPSO membership year is January to December. Now is the time for members to renew for 2011. To find out whether you need to renew, please look at your address label on this issue of the Bulletin. If 2010 appears along the top edge of the label, you need to renew before February 15, 2011 to ensure that you do not miss out on any of the Bulletins or on the 2011 issue of *Kalmiopsis*. If the year is absent (i.e. top of label is blank) or if you see 2011 or a later year, ignore this notice - you do NOT need to renew at this time.

Please use the remittance envelope in this issue of the Bulletin to send in your dues, or use the membership form on the inside back page if the envelope is missing.

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 Rockefeller 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.

Notice for Earth Share Contributors: please ignore this notice unless you wish to become a regular member of NPSO. You will continue to receive the Bulletin for one year from the time of your contribution.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOreg.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsoc

### 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.

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### Bulletin of the Native Plant Society of Oregon

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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.

## Highlights of the NPSO State Board Meeting, Portland October 23, 2010

President David Lebo was not able to attend; the meeting was well chaired by VP Judi Sanders.

Chapter Reports: Brian Basor's Emerald Chapter report was read aloud. Sadly, the High Desert Chapter has been dissolved for lack of interest among members and difficulty in recruiting officers. (We hope they come back to us soon.)

Clay Gautier gave a favorable membership report with graphs showing that membership is holding up well.

A detailed financial report was presented by Treasurer Cyndi Dion. See information about a dues increase below.

Occasional Paper 3, "Urbanizing Flora of Portland" has sold out and John Christy was given permission for another print run.

Fellows of NPSO: Jan and Dave Dobak were enthusiastically nominated as 2011 Fellows of NPSO. They will receive their plaque at the next Annual Meeting. Much applause!

Conservation issues were discussed: ESA violations in Yamhill County. Proposed mountain bike path at Mt.

Hood Timberline. Proposed idea: Each NPSO chapter might lead a hike at an Oregon State Park on the same day in connection with Oregon State Parks Trust.

Oregon Flora Project: Linda Hardison introduced Dr. Stephen Meyers, recent OSU PhD in Botany under Aaron Liston. (Thesis: Gymnosperms of Oregon. His treatment is on line at the Oregon Flora Project website.) Steve will be spearheading the new Flora of Oregon —the book! Watch for more information in the next Oregon Flora Newsletter.

Portland folks will be writing an outline History of our society for NPSO's 50th Anniversary in 2011.

NPSO State Dues Increase: Increase will be announced in the December-January *Bulletin*. (Clay has suggested that there is an opNew schedule: Student no change at \$12; Regular raised from \$18 to \$25; Family raised from \$24 to \$35; Sustaining raised from \$50 to \$60; Patron raised from \$100 to \$125; Life no change at \$500.

The next meeting will be held in Corvallis on January 22 or 29, 2011.



*Tiarella trifoliata* var. *unifoliata*, one of three varieties of Foamflower

PHOTO BY TANYA HARVEY

## State Notes

June 24-26, 2011

**Annual NPSO Meeting:** The Portland Chapter will be hosting the 2011 annual meeting of the Native Plant Society of Oregon in Logan Valley, located on the south side of the Strawberry Mountains. This area has an extremely diverse ecological makeup, including five of the seven major life zones in North America. Nearly every type of alpine wildflower found west of the Rockies can be observed here. The rich flora is complemented by diverse wildlife and geological history. Join us in Logan Valley this June, and you too will agree that this is a special place worthy of holding the annual meeting, and celebrating the 50th Anniversary of NPSO. More information is available at <http://2011.npsoregon.org/>.

## Blue Mountain

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

## Cheahmill

For more information, visit the chapter website, [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com). To be added to the e-mail list for upcoming programs and events, please contact Jennie Sue Dunn-Dixon at [jsdd51@verizon.net](mailto:jsdd51@verizon.net).

January 27, Thursday, 7-8:45 pm

**Program: 'Re-inventing' in the Past.** Paleontologist, author and retired professor Dr. William Orr will give a power point presentation comparing modern-day inventions to plants' and animals' astonishing ability to engineer devices for everything from predation to protection. Most innovations that we imagine characterize our culture — like snap fasteners, zippers, carbide studded tools, chain saws and serrated blades — were developed by plants and animals. Fossil records demonstrate that the best ideas have been re-invented several times in the 4.5 billion year history of the earth. Dr. Orr is director of

the state museum of fossils and teaches geology at Chemeketa Community College. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

February 24, Thursday, 7-8:45 pm

**Program: Update on Sudden Oak Death.** Dr. Nancy K. Osterbauer, a Plant Health Program Manager for the Oregon Department of Agriculture, will give a presentation to update us on Sudden Oak Death, which affects our local Oregon white oak, *Quercus garryanna*. The disease, *Phytophthora*

### 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. For a sample copy check out the NPSO website. 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. 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.

*ramorum*, has spread and killed hundreds of otherwise healthy oaks in Oregon. Location: Carnegie Room, McMinnville Public Library, 225 N.W. Adams St. (Highway 99W). Parking lot entrances on Adams and Second streets. Information: 503-835-1042, [marna@onlinemac.com](mailto:marna@onlinemac.com).

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

December 13, Monday, 6 pm

**Meeting: Annual Holiday Party.** Join us at the house of Loren and Flo, 3420 SW Willamette, Corvallis. Please bring slides or digital images of your botanical adventures to show, and a dessert or drink to share. This is a great way to meet new members, catch up with old friends and see some fantastic photos. For more information contact Laurel Moulton at [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

January 10, Monday, 7:30 pm

**Meeting: The High Road South - Arctic-Alpines in the Southern Rocky Mountains.** Loren Russel give us a quick look at some localities above timber line in the Rockies in southern Colorado and northern New Mexico. The southern Rockies are well-known for spectacular and diverse alpine vegetation. Loren will emphasize the significance of arctic-alpines all the way to the last alpine summits in northern New Mexico and contrast this with the rapid fall-off in this element in the Cascades. Location: Avery Park Nature Center. Contact Laurel Moulton with questions: [lamoulto@yahoo.com](mailto:lamoulto@yahoo.com).

## Emerald

Visit the Emerald Chapter Web site 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.

**December 20, Monday, 7:30 pm**

**Event: Holiday Social and Slide Show.**

Bring 10-12 slides (traditional or digital) and a snack to share if you wish.

Meet others who share your interest in native flora. Location: EWEB Training Rm., 500 E. 4th Ave., Eugene. For information, call 541-746-9478.

**January 10, Monday, 7:30 pm**

**Meeting: Bruce Newhouse presents "Delights, Myths and Legends of Native Plant Gardening."**

Can midwinter exploration of gardening delights, myths and legends bring spring here sooner? Let's try it and see! Join us for this presentation on creating "deep gardening" goals that can make a garden both good looking and purposeful. Is there really a difference between planting native or non-native plants in a home garden? Do native plants have special care needs? Native plants are not easy to find for sale, so where can I get them? These and other questions will be addressed in this show. You can create a small ark of native biodiversity in your yard if you are willing to include native bees, butterflies and birds as part of your inner circle of friends. Sharing between like-minded gardeners will be encouraged during this event. If you would like to read a good primer, try "Bringing Nature Home," by Douglas Tallamy. Can spring be far behind? Location: EWEB Training Rm., 500 E. 4th Ave., Eugene. For more info call 541-343-2364.

**February 14, Monday, 7:30 pm**

**Meeting: Historic and Current Ethnobotany as Practiced by Native and Rural Americans.**

Eric Jones shows us the uses of native and naturalized plants combined with implications for management and restoration of habitats. He cites the West Eugene Wetlands Ethno-botanical project as an example of the challenges and benefits. Location: EWEB Training Room at 500 East 4th Avenue, Eugene. For information, call 541-746-9478.

## High Desert

*The High Desert chapter is inactive at this time. If you are interested in*

*participating in organizing chapter events, please contact membership@npsa.org.*

## Klamath Basin

*For information on the Klamath Basin Chapter, contact Sarah Malaby at 541-884-5703 or smalaby@cs.com.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at wusara96@yahoo.com.*

**December 9, Thursday, 7 pm**

**Meeting: Understanding Plant Communities in Forest Management.** Jim White, Underwood Conservation District Forester and part-time employee of the Washington Dept of Fish and Wildlife, will discuss the development of plant community guides for National Forests, and how these guides can help forest management. White holds degrees in wildlife management and forestry and spent 30 years as a Silviculturist with the US Forest Service. Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

There will be no meeting in January.

## North Coast

*For information on the North Coast Chapter call Janet Stahl at 503-842-8708.*

## 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.*

**December 9, Thursday, 7 pm**

**Meeting: Members Night/Berry Seed Bank.** This is our annual party celebration. Share your images of native flora. Slides and electronic images are acceptable. Electronic images should be on a USB flash drive (preferred) or a CD. Also, Dawn Kropp, Board President

of the Berry Botanic Garden, will give a short presentation at the start of our December meeting concerning challenges facing the continuation of the Berry Botanical Garden seed bank at Portland State University. Dawn has been Board President from before it became necessary to close the garden, as well as during the process of finding a home for the seed bank. This seed bank is a 'Noah's Ark' of biodiversity for our region during these times of stressful climate change. Location: Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Church lot parking OK. For information, contact Billy Don at 503-515-1708.

**January 13, Thursday, 7 pm**

**Botanical Presentation/Slideshow: The Flowers of Kangaroo Island, Australia.** Brent Miller, field botanist, photographer, traveler, and web master extraordinaire will provide a splash of color in the middle of our northwest winter. This informative, visually engaging program will be the perfect antidote for any mid-winter, post-holiday "blahs" you may be experiencing! Location: Mount Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. Church lot parking OK. For information, contact Billy Don at 503-515-1708.

## Siskiyou

*The Siskiyou chapter e-mails meeting reminders and last-minute information such as field trip cancellations. To be added to the list, please send your e-mail address to Kristi Mergenthler at coprolite-mergie@yahoo.com.*

**December 9, Thursday, 6:30-9:30 pm**

**Holiday Potluck & Talk: Elmer Ivan Applegate: The *Erythronium* Man.**

Applegate was an important early Oregon botanist best known for his monograph on Trout Lilies (*Erythronium*). Presented by another important Oregon botanist, Dr. Frank Lang. Please bring a potluck dish, table service (plate, silverware, glass), and packets of seeds to contribute for the native plant seed exchange. Alcohol is permitted. Location: Talent Community Center,

206 E. Main in Talent (the old city hall, a large white clapboard building a block from Camelot Theater). Contact Kristi Mergenthaler, 541-941-3744, for more information.

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

### December 9, Thursday, 6 pm

#### Event: Annual Holiday Potluck.

Please come and mingle while we enjoy good food at our annual holiday potluck. This is a great chance to visit with friends or meet new members as we share our interest in native flora and future projects. We will show photos from past field trips and others taken by members. Bring a dish to share. Location: Upstairs in room one in the Mercy Community Education Bldg, 2459 NW Stewart Parkway, Roseburg.

PLEASE NOTE, this is our usual meeting place in Roseburg. For information or to coordinate what dish you plan to bring contact Donna Rawson 541-459-2821 or e-mail her at [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org).

### January 13, Thursday, 7 pm

**Business meeting at 6 pm. Program still in the planning stages.** We welcome members and anyone wanting to know more about our chapter or how to introduce native plants into the landscape. Programs are held every second Thursday at 7 pm in room one at the Mercy Community Education Bldg, 2459 NW Stewart Parkway, Roseburg. Contact: Donna Rawson 541-459-2821.

## Willamette Valley

For program information, contact John Savage at 503-399-8615.

### January 13, Thursday, 7-8:30 pm

**Program: Creating Native Plant Gardens.** Gail Gredler, Instructor of Horticulture at Chemeketa Community College, will explain how to create native plant gardens and landscapes. She will highlight the benefits of gardening with native plants and discuss which plants to use to create a haven for birds, pollinators, and other wildlife. The class costs \$5 and is open to the public and is co-sponsored by Willamette Valley Chapter of the Native Plant Society and the Straub Environmental Learning Center. Location: 1320 A St. NE, next to Olinger Pool, near North Salem High. Registration is required. To register, call John Savage at 503-391-4145.

## William Cusick

Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.

## OTHER EVENTS

## Eugene Natural History Society

### December 10, Friday, 7:30 pm

#### Talk: Why have so many birds disappeared from a tropical island in Panama? Somewhere over Missouri.

The tropics will be a little closer when songbird enthusiast, Doug Robinson gives a talk titled on birds in Panama at the December meeting of the Eugene Natural History Society. Doug is an Assistant Professor at OSU with special interests in both tropical and arid land ecology—especially when it includes birds. The community is invited free of charge. Location: Room 100, Willamette Hall, UO campus

### January 21, Friday, 7:30 pm

**Talk: Recovering the oldest directly dated human remains (fossilized feces) in the Americas.** Beginning in 2002, Dennis Jenkins, exuberant Oregon archaeologist, conducted new excavations in the Paisley Caves, South

Central Oregon. A segment of his work at Paisley Caves was featured in The History Channel presentation, “All About Dung” (June, 2008). The Eugene Natural History invites the public, free of charge, to attend a fascinating talk by Dr. Jenkins at their January meeting. Location: Room 100, Willamette Hall, UO campus

### February 18, 7:30 pm

**Talk: Salamander Courtship.** What could be better than studying the courtship of salamanders for a career? If that sounds intriguing, come enjoy a colorful, illustrated talk by Dr. Lynne Houck, Professor, OSU. She has been the recipient of numerous National Science Foundation grants and will present “Salamander Courtship” at the February meeting of the Eugene Natural History Society. The community is invited free of charge. Location: Room 100, Willamette Hall, UO campus.

## Willamette Valley Hardy Plant Group

### January 11, Tuesday, at 7 pm

**Talk: Meadows by Design.** John Greenlee will give a good introduction to the creation of meadow-like spaces in urban and suburban settings. You will come away with new ideas for designs and specific planting advice. Known as the “Grassman” in horticultural circles, John Greenlee is an internationally known horticulturist, landscape designer, and an advocate for sustainable lawns and meadows. His bestselling book, *The Encyclopedia of Ornamental Grasses* (Rodale, 1992), is considered by many to be an indispensable reference. Doors open at 6:30 for book sales and viewing botanical samples. Admission is \$6 for non-members and free for members. Location: University of Oregon, Agate Hall, Agate Street at 18th Avenue, Eugene, OR. Ample parking next to Agate Hall. For more information about the group or this event, visit the website at [www.thehardyplant-group.org](http://www.thehardyplant-group.org) or call 541-344-0896.

## New NPSO Members

Between August 2 and November 11, 2010, NPSO added these new members:

### Corvallis

Dorothy Blazo  
Tamra Prior  
Clara Y. Schroeder  
Rachel Schwindt

### Emerald

Joni Dawning  
Dave Hicks  
Elizabeth Thorley

### High Desert

Marlo Gil

### Portland

Hugh Ferrar  
Marsha W. Freed  
Tanner Harris  
Jane Montgomery  
Gail Popham  
Rick Shory

### Siskiyou

Susann & Marc Allen  
Bob Budesa  
Ron & Susan Crowell  
Diane Holt  
Frank D. Lospalluto  
Anne Thayer  
Gary Zamzow

### Umpqua Valley

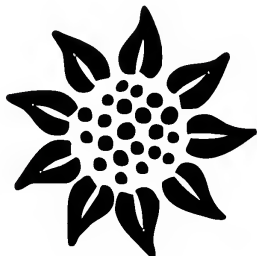
Lise Wall

### Willamette Valley

Jennifer Sanders

### William Cusick

Sarah Russ



## Willamette Valley Nature Calendar for 2011

The Willamette Valley Nature Calendar for 2011 is ready. This is my 32nd year of calendar making. All the usual nature notes and gardening hints are present; drawings for each month are posted here (Canada geese are on the cover, too): [http://web.mac.com/davidwagner/Site/2011\\_drawings.html](http://web.mac.com/davidwagner/Site/2011_drawings.html).



*Bitterroot. David Wagner*

The calendars have been distributed via the usual outlets: University of Oregon Museum of Natural and Cultural History, UO bookstore (Duck Store), Down to Earth Home & Garden in Eugene, and in Corvallis at First Alternative Coop, OSU Bookstore, and Grassroots Books. If you would like to have one mailed, the cost is \$18 postpaid. Quantity discounts available; contact me directly. Make check out to “Northwest Botanical Institute” and send it, along with address where you want calendar mailed, to:

Northwest Botanical Institute  
P.O. BOX 30064  
EUGENE OR 97403-1064

Those who prefer to use a credit card online can visit my shop on Etsy: <http://www.etsy.com/shop/fernzenmosses>

May you Thrive and Prosper in the upcoming year!

## Increase in Membership Dues

*by Billy Don Robinson, Portland Chapter*

First, the bad news. We have to increase the yearly dues.

Why now, with everything else getting so expensive?

I guess this question is the answer, as well. It started at a recent chapter board meeting--it could have been any of our chapters, but it just happened to be in Portland. We were going over the budget, and came to an unsettling conclusion--we were going downhill, fast! We have been forced to pay for things that used to be either free, not needed, or pretty cheap. Case in point...insurance...gotta have it. There are other things, like rent...fairly inevitable stuff.

So we brought it up at the state board meeting. Other chapters have

been seeing the same thing. Raising dues has been considered in the past, but was declined with the hope that some solution might arise. Dan Louma gave a brief economic history – essentially, we have been “living off” the proceeds of a few good years about ten years ago, but those funds are dwindling fast in recent years.

As a society “Dedicated to the enjoyment, conservation, and study of Oregon’s native plants and habitats”, we are committed to continuing the good work we have done for decades. We ask all members to join together in this endeavor in order to continue these good works for many, many decades to come!

# Remembering Leighton Ho (1951-1987): Please Help — the Fund is Running Low

by Rhoda Love, Emerald Chapter

Our dear friend and NPSO member, Dr. Leighton Chee Won Ho, drowned in Hawaii on December 20, 1987. Leighton was an inspirational President of NPSO's Emerald Chapter in Eugene in the mid-1980's. During that time he encouraged our chapter to become involved in environmental issues including the fight to establish the Waldo Wilderness, conservation of rare species such as *Aster vialis*, and protection of fragile ecosystems — especially in the west Eugene wetlands. The accompanying photo shows Leighton and Gaylee Goodrich inventorying *Microcala quadrangularis* near Lane County's Greenhill Road in May, 1985.

Leighton loved the Northwest and the Native Plant Society. He was born in Hawaii and attended the University of Oregon where he and I met when we were both botany teaching assistants. The late Scott Sundberg, founder of the Oregon Flora Project, recalled his first taste of plant systematics at the UO in 1975 with Leighton as his lab instructor. Leighton was a high school biology teacher in Hawaii at the time of his accidental death. Tragically, he swam into an underwater sea cave where he lost his life at the age of 36. Contributions from his friends and bereaved parents helped establish the NPSO Leighton Ho Memorial Fund which allows NPSO to award a Field Botany grant each year for summer research. Thus far 23 deserving students have been recipients of this award.

The most recent grantees have been: Rhiannon Thomas, who studied nectar availability for the rare Fender's Blue Butterfly; Andrea Thorp & Robert Massatti who worked on range-extension of *Sidalcea hendersonii*; Jennifer Modliszewski who worked on the genetics of local *Mimulus* species; Evan Frost who inventoried rare plants in serpentine fens; Harold Zald who worked on plant distributions in Jefferson Park; and Malanie Gisler who carried out the re-introduction of Henderson's checkermallow near the northern Oregon coast.

In the past, the Leighton Ho Fund contained over \$2,000 and earned approximately \$100 in annual interest. In recent years contributions have declined, and I am sorry to report that the grant fund has dwindled significantly. Unless the Ho Fund receives a new influx of contributions, we will be unable to award our usual \$750 stipend for field research in 2011.

I am writing a check to the Leighton Ho Fund today and hope that many *Bulletin* readers will follow my example. I feel certain that Leighton's friends as well as former recipients of the Ho Award will wish to contribute, and I hope other NPSOers will do so as well. I know Leighton's family in Hawaii will be cheered to learn that the fund is alive and well and that Leighton has not been forgotten by the Plant Society he loved. Contribute using your membership renewal form, or send your checks in any amount to NPSO Treasurer Cyndi Dion at the address in this *Bulletin*. Mark them "Leighton Ho Fund." Happy holidays to you all!



Leighton and Gaylee Goodrich inventorying *Microcala quadrangularis*

## 2011 Native Plant Appreciation Week Poster Contest

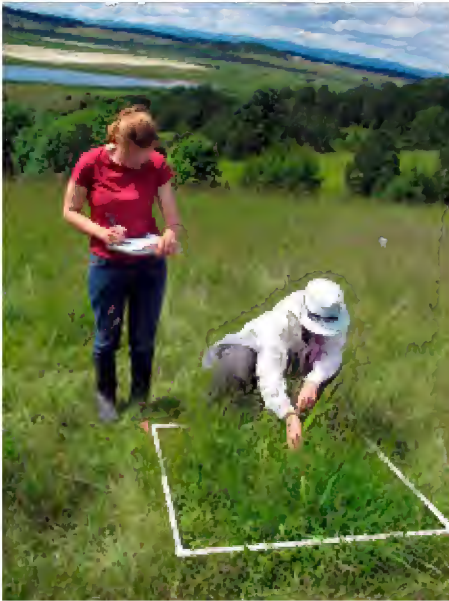
Summer's over... but remember all of those great photos you took of native plants in Oregon this spring and summer? Now that you're probably spending more time indoors, you could take this opportunity to select the best of your photos and submit them for the Native Plant Appreciation Week Poster Contest.

Entries must be submitted online on the NPSO Photo Gallery (<http://npsoregon.org/photos/v/2011npaw/>) in the album titled "2011 NPAW Photo Contest." Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, species or other description, family, common name, location, and date). All entries must be received by January 10, 2011. Photos will be rated on artistic presentation, appropriateness to the theme, and technical excellence. Complete details can be found at: <http://npsoregon.org/photocontest.html>. If you have any questions, please email Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).



### Join the Native Plant Appreciation Week Committee

The Native Plant Appreciation Week Committee is looking for new members to help promote Native Plant Appreciation Week! The purpose of the committee is to promote activities for Native Plant Appreciation Week. To join, please email Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).



Kristen Emmett (IAE intern) works with Amanda Stanley (IAE staff) to monitor fertilization plots at Baskett Butte National Wildlife Refuge.

divided leaflets on unbranched petioles. The leaves have 6-11 leaflets that are hairless on the top and hairy on bottom. The flowers exceed the height of the plant, are usually purple, and found in whorls on an unbranched raceme. Flowering is from April through June and they form pea-like fruits. Kincaid's lupine grows in prairie and grassland habitats in western Oregon and south-western Washington where less than one percent of its habitat remains. It is a federally listed threatened species and is of particular concern because it is the primary larval host plant of the endangered Fender's blue butterfly (*Icaricia icarioides fenderi*). IAE partners with other organizations and agencies to monitor and manage populations of Kincaid's lupine in the Willamette Valley, thus also enhancing critical habitat for the Fender's blue butterfly.

Farmers and gardeners know that soil nutrients are vital for a healthy crop, leading many to use fertilizers to facilitate plant growth. Several studies have tested the usefulness of fertilization as a prairie restoration tool. Kincaid's lupine, along with many members of the legume family (Fabaceae), is associated with nitrogen-fixing bacteria that convert nitrogen gas in

the atmosphere into a form usable to the plant. Because of this association, legume growth is not limited by nitrogen, unlike most other prairie plants. However, phosphorous and/or micronutrients (including iron and molybdenum) may limit the growth of Kincaid's lupine, particularly since nitrogenase, the nitrogen fixing enzyme, requires large amounts of these nutrients to function. Previous experiments showed that fertilization with phosphorous, iron and molybdenum increased growth, abundance, reproductive output, and nitrogen acquired through N<sub>2</sub> fixation for leguminous plants in temperate old-field ecosystems. Conversely, legumes had a negative response to nitrogen fertilizer, presumably due to increased growth and competition from neighboring species. Thus, selective fertilization treatment may benefit Kincaid's lupine while not benefiting competitors.

Starting in 2006, IAE has tested the effects of fertilizers on Kincaid's lupine in three locations within the Willamette Valley. At each site, plots were treated in one of four ways: fertilized with phosphorus, micronutrients, a combination of phosphorus and micronutrients, or not fertilized (a control). Plots were fertilized in November of 2006 and in March and November each year thereafter. Each year, IAE

researchers measured Kincaid's lupine, shrubs, forbs, and grass cover and counted the number of inflorescences on the lupine.

Compared to 2006, the cover of Kincaid's lupine in 2009 had increased in all plots including the control plots. Fertilizer treatments increased Kincaid's lupine cover, though the effects varied between the three sites. For example, phosphorous benefited lupine the most at one site and micronutrients benefited lupine the most at another. When present, other nitrogen-fixing species, most notably the invasive vetches (*Vicia hirsuta* and *V. sativa*), also benefited from fertilization, sometimes climbing over Kincaid's lupine. It is possible that these responses may change over time; Kincaid's lupine is a slow growing perennial and may take longer to respond while the vetches are annuals. These results suggest that we should be cautious before using fertilizers on a large scale.

In this study, we learned about experimental design and specific scientific methods for measuring treatment effects. It is exciting to know that as interns for the Institute for Applied Ecology, we have made a difference in the conservation of threatened and endangered plant species and contributed to the scientific community by testing new experimental techniques.



Kincaid's lupine (*Lupinus sulphureus* sp. kincaidii)

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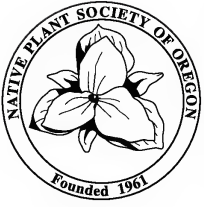
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Our second issue of this year's Oregon Flora Newsletter will be published in early December. It will include a request for your financial support of our research; namely the writing of our new Flora of Oregon. We hope that you will remember the Oregon Flora Project in your charitable giving this year.

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