



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

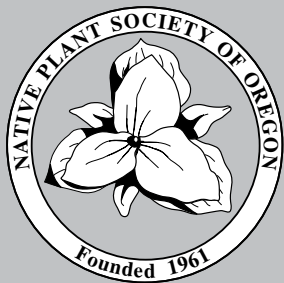
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**IF YOU HAVEN'T RENEWED FOR 2010,
YOUR MEMBERSHIP WILL LAPSE SOON!!!**

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, with the following in the body of the message: subscribe nps0

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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.

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



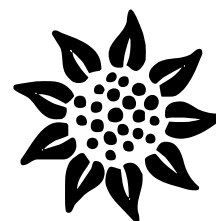
Poison hemlock (Conium maculatum), in Josephine County, Deer Creek Center, Selma

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.

A chart describing the similarities and differences among these plants is on Hansen's Web site, 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

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.

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.

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.

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.

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. For questions or more information, please contact Eileen Obermiller at 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.

Mid-Columbia

For more information, visit the chapter Web site: 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).

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.

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.

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 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 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.

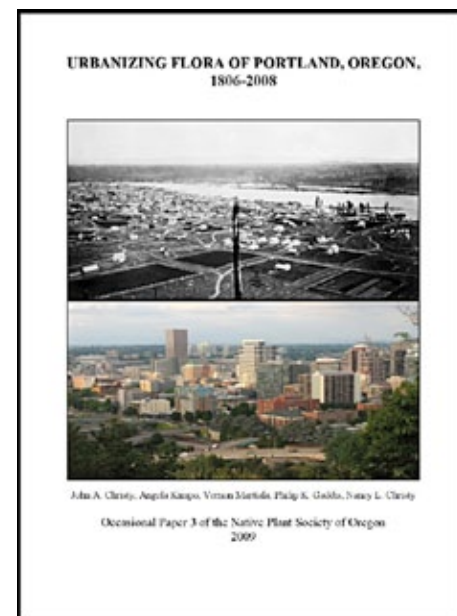
Now Available: NPSO Occasional Paper 3

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

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.*

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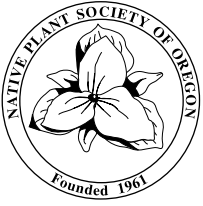
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Later this spring, the OFP will be launching a fundraising drive. This—as is any time!—will be an excellent opportunity to show your appreciation for the high quality work the Oregon Flora Project provides and to ensure that it will continue. Contributions 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.