



Bulletin

of the Native Plant Society of Oregon

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

VOLUME 42, No. 11

DECEMBER 2009

Intern Report

Human-mediated Dispersal of Exotic Plant Seeds

by Alexis Brickner, Monique Leslie, and Elizabeth Mathiott

This article was written by the 2009 NPSO/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 and Washington. This year, the interns in the Conservation Research Program (Alexis Brickner, 2007 graduate from University of Kansas; Monique Leslie, a graduate of Lewis and Clark College; and Elizabeth Mathiott, from Macalester College), conducted a small study to determine the potential for human-mediated dispersal of exotic plant seeds. For more information on internship opportunities, please contact IAE at andrea@appliedeco.org; 541-753-3099, ext. 401; or visit <http://www.appliedeco.org>. Thanks again to NPSO for contributing to botanical education and work experience.

-Andrea S. Thorpe Ph.D., Institute for Applied Ecology, Corvallis, Oregon

As 2009 IAE-NPSO interns with the Conservation Research Program, we traveled south to the California border, east to the Idaho border, and all over the Willamette Valley. At most sites, we hiked off-trail into remote, infrequently visited locations, most of which were host to rare native species.

One of the biggest threats facing these species and their habitats is invasion by exotic species. During our field

season, it struck us that an important vector of seed dispersal to these sites could be researchers, managers, and native plant enthusiasts. At the beginning of our summer, we discovered a 1950 study in which researchers identified the number and species of seeds they transported on their boots, and a 2008 study that found that humans can effectively transport seeds farther

continued on page 116

Why Renewing Your Membership Is Important

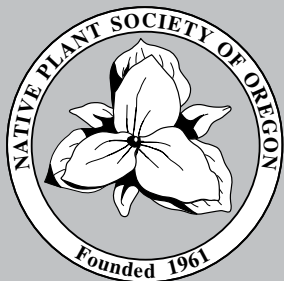
The Native Plant Society of Oregon began almost 50 years ago in Portland. Since then, the Society has increased to 13 chapters around the state that sponsor local monthly meetings, presentations by guest speakers, field trips, and other activities. The Society brings together Oregonians from all walks of life who share a passion for learning about native plants—their biology, ecology, and habitats—and a commitment to ensuring their conservation and protection.

Native plants and their habitats, as we are all aware, are threatened by expanding human population growth, land development, land management practices, non-native invasive plants and animals, and pollution. NPSO chapters around the state are actively involved with issues in their local communities that may affect native plants. The NPSO state board joins the efforts of local chapters in tackling conservation issues across Oregon.

continued on page 117

In This Issue

NPSO Occasional Paper 3	112
NPSO Chapter Calendar ...	113
2010 NPSO Annual Meeting Information.....	115
NPSO Board Nominations for 2010.....	117
Time to Renew	117
NPSO Chapters Report of 2009 Activities.....	118
Grant Proposals Requested....	120
Nature Calendar	120
NPSO Items for Sale	120
NPSO Contacts	121
Friends of OFP	122



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 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.

Membership Inquiries Only

Clayton Gautier
3927 Shasta View St.
Eugene, OR 97405-4442

Bulletin of the Native Plant Society of Oregon

Editor: Fran Gardner
Layout Artist: Jocelyn Duffy

ISSN 0884-599. Published 10 times per year. Subscription price \$18/year. Date and issue number on page 1.

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.

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.

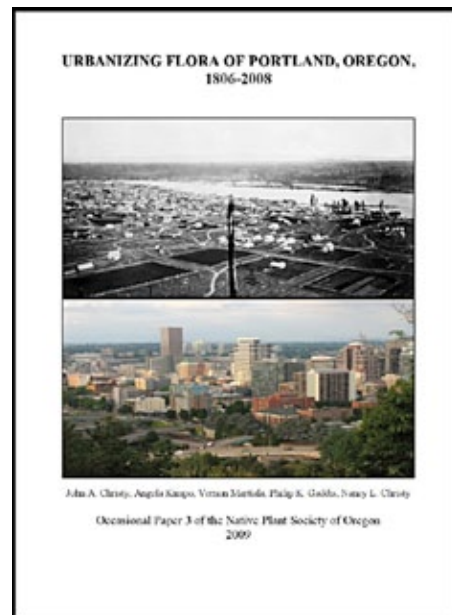
Now Available: Native Plant Society of Oregon Occasional Paper 3

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.



Cornus sericea (formerly *C. stonifera*) has many common names, including red twig dogwood and redstem dogwood. A native Oregon shrub, its berries stay on the plant through winter and are available to birds and mammals when other fruits are gone.

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: <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.

December 14, Monday, 7 pm

Annual Holiday Party. Join us at the house of Loren and Flo, 3420 S.W. 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 spectacular images.

January 11, Monday, 7:30 pm

Floristics of the Wind River Mountains of Wyoming. Rob Massatti is the assistant program director for conservation research at the Institute for Applied Ecology. He has MA in botany from the University of Wyoming and plans to share his botanical adventures in that region and introduce us to the Rocky Mountain Herbarium, home of the largest collection of Rocky Mountain plants in existence. Avery House Nature Center, Avery Park, Corvallis.

January 16, Saturday

Workshop: Growing Native Plants from Seed. Learn the techniques required to start growing more plants than you'll know what to do with! Bring seeds of native plants that you have collected and share your bounty with other members. Also bring tags, small pots or seedling trays if you have them. We'll provide soil and extra seed. The time and place are TBA.

January 23, Saturday, 9 am-4:30 pm

Workshop: Beginning grass identification. Learn to identify some of Oregon's grasses and help the Oregon Flora Project (OFP) at the same time. The Carex Working Group will present a beginning grass identification class to share interest in grasses and to test a grass identification key being written for the OFP. The class will be in room 1070 Cordley Hall, Oregon State University. Some grasses, dissecting tools and references will be provided, but bring what you have. Please leave a message with Nick Otting at 541-579-4141 to say you're coming so we can be sure to prepare enough handouts. Your

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.

input is important for ensuring that we write a key that people can actually use!

Emerald

December 14, Monday, 7:30 pm

Holiday Social and Slideshow. Bring 10 to 12 slides (traditional or digital) and a snack to share if you wish. Come and socialize with others who share your interest in native flora. EWEB Training Room at 500 East 4th Ave., Eugene. Call 541-746-9478.

January 11, Monday, 7:30 pm

Slideshow: Flora of Steens Mountain in Southeastern Oregon. Dave Predeek shows slides of alpine flora on this isolated, fault-block mountain in Oregon's high desert. EWEB Training Room, 500 E. Fourth Ave., Eugene. For more information, call Predeek at 541-345-5531.

February 6, Saturday, 10 am

NPSO state board meeting. Lane Community College, Eugene, room 117 in the Science Building. From I-5, take the 30th Avenue exit in South Eugene.

February 8, Monday, 7:30 pm

Sand Mountain Fire Lookout. Don Allen of the Sand Mountain Society gives historical information about the Sand Mountain Fire Lookout near Santiam Pass and tells of his efforts to protect the surrounding area from off-road vehicle damage. EWEB Training Room, 500 E. Fourth Ave. Eugene. Call David McClurg at 541-746-9478.

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.

January (call for date and time)

Old-Growth Juniper and Natural Vegetation of the "Juniper Ridge"

Development Site. Learn about the natural resource study of Juniper Ridge, a 1,500-acre parcel reserved by the city of Bend for development. This interesting landscape has an abundance of old-growth juniper and areas of historical understory vegetation displayed on maps developed for the study. Rangeland ecologist Gene Hickman will explain the characteristics of old-growth juniper and how ecological inventories can provide valuable landscape assessments for predevelopment planning. Please RSVP to Hickman at 541-312-2512 or Eileen Obermiller, Eileen@dappledearth.com. This talk may have a follow-up field trip in the spring.

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 website: <http://www.oregon-nativeplants.com>.

December 10, Thursday, 7 p.m.

Establishing Native Pollinator Habitats. Kristin Currin and Drew Merritt from Humbleroots Nursery will describe the plants they select for the various sites and their importance to pollinators. They will also provide timelines for planting and seed collection, explain successes and failures in growing and establishing the plants, and suggest more sources of information on native pollinators and plants. Board Room, Building 1, Columbia Gorge Community College, The Dalles.

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.

December 10, Thursday, 7 pm

Annual Members Program. NPSO Portland members will share images collected throughout the past year. Come see where we have been, and what we saw. Contact Billy Don at OR_Larkspur@comcast.net if you would like to show your pictures, or call him at 503-515-1708. Mt. Tabor Presbyterian Church, Southeast Belmont at 54th (church lot parking OK)

January 14, Thursday, 7 pm

Flora. John A. Christy of the Oregon Natural Heritage Information Center and the Institute for Natural Resources at Oregon State University, will speak on "The Urbanizing Flora of Portland Oregon, 1806 to 2008." Mt. Tabor Presbyterian Church, Southeast Belmont at 54th Avenue. OK to park in church lot. Info: Billy Don, 503-515-1708.

Siskiyou

December 10, Thursday (note change to second Thursday), 6:30-9:30 pm

Holiday celebration, potluck and Backyard Mushroom Cultivation. John Teem from Continuum Mushroom Farms will speak. Bring a potluck dish, table service (plate, silverware, glass), packets of seeds to contribute for the native plant seed exchange, and your billfold in case you'd like to buy some mushroom starter from John. Alcohol is permitted. Talent Community Center, 206 E. Main, Talent (the old city hall, large white clapboard building a block from the Camelot Theater). Contact Kristi Mergenthaler, 541-535-3659, for more information and to volunteer for set-up, decoration, clean-up.

January 21, Thursday, 7:30 pm (refreshments, meeting at 7:15)

Lichens and pollution-driven shifts in lichen communities. Dr. Sarah Jovan, a lichenologist, will provide an introduction to lichens, West Coast lichen communities, and shifts in lichen composition due to air pollution. She will have some lichen samples on hand.

Room 171, Science Building, Southern Oregon University. Contact Kristi Mergenthaler at 541-941-3744.

Umpqua Valley

Visit <http://www.umpquavalley.npsoregon.org> for more information on chapter activities.

December 10, Thursday, 7 pm

Holiday potluck. Members and public are welcome to share ideas and good food at our annual December potluck. If you would like to know more about NPSO, this is a good time to socialize and meet members of the chapter. We meet every second Thursday in room 1 at the Mercy Community Education Building, 2459 N.W. Stewart Parkway, Roseburg. Contact: Donna Rawson 541-459-2821

January 14, Thursday, 7 pm

Program: To be announced. Check the NPSO Web site for more information.

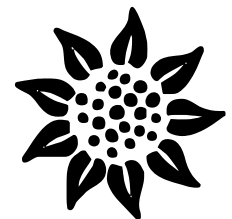
Willamette Valley

Contact John Savage at wv_president@NPSOregon.org for information on upcoming events.

William Cusick

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

Meetings will resume in February 2010. Visit our website for further updates and general information, or call the chapter secretary at 541-805-0499.



2010 NPSO Annual Meeting Information

by Berta Youtie

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

The meeting will be held May 14-16, 2010, at Hancock Field Station near Clarno in Wheeler County, about 2 miles from the John Day River. Hancock is one of OMSI's field camps.

The maximum number for rooming and meals is 109. Cost of dormitory accommodations Friday and Saturday night plus Friday light dinner, Saturday's three meals and Sunday breakfast is \$140. The board meeting lunch is \$10 extra.

The cost breaks out this way: \$50 per night for sleeping; \$25 for meals on Saturday (\$10 dinner and \$10 breakfast; \$5 box lunch); \$5 snacks Friday night; \$10 breakfast Sunday morning; and \$10 lunch (extra) on Sunday.

Saturday evening's banquet speaker is Ellen Morris Bishop, geologist, program director of the Oregon Paleo Lands 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.

Field trips

Lawrence Memorial Grassland Preserve

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 from Clarno and hike a fairly easy 3.5 miles.

Paleontology and Geology

Leader: 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.

Warm Springs Confederated Tribe—Pine Creek Ranch

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

Spring Basin Wilderness Area

Leaders: 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.

Hancock Field Station Hike

This hike will be led by camp staff and a local botanist will be on hand to identify the blooming wildflowers. Hike from the field station uphill toward Iron Mountain, possibly 5-plus miles. This may be the most strenuous of hikes. See lots of wildflowers and paleo sites such as the best-preserved beds for fossilized nuts in North America.

Painted Hills

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-mile-plus 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 back country. 1 hour and 25 minute drive from Hancock. This trip will have a van for transport.

Places to stay

Other accommodations if you decide not to stay at Hancock:

Camping

Free camping on BLM land along the John Day River. High-clearance vehicle needed. Free camping also available at Wheeler County Fairgrounds in Fossil.

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

Motels

Shaniko (45-minute drive):
Shaniko Hotel, 541-489-3441, has been for sale. 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

Parking

Parking at the field station is limited. We recommend carpooling from your departure point, campsite, or motel.

What to Bring

Coolers with plenty of ice and water. There is water on site but no ice. Participants can bring beer and wine, but must remove bottles and cans.

Registration

Forms and more details will appear in the February issue of the NPSO Bulletin.

If you have questions about details, please e-mail Berta Youtie, byoutie@crestviewcable.com, or Paul MacMillan, pmac3485@bendbroadband.com.

than natural wind dispersal. With this information in mind, we decided to try to replicate the 1950 study during our field season to see what we might be transporting from site to site.

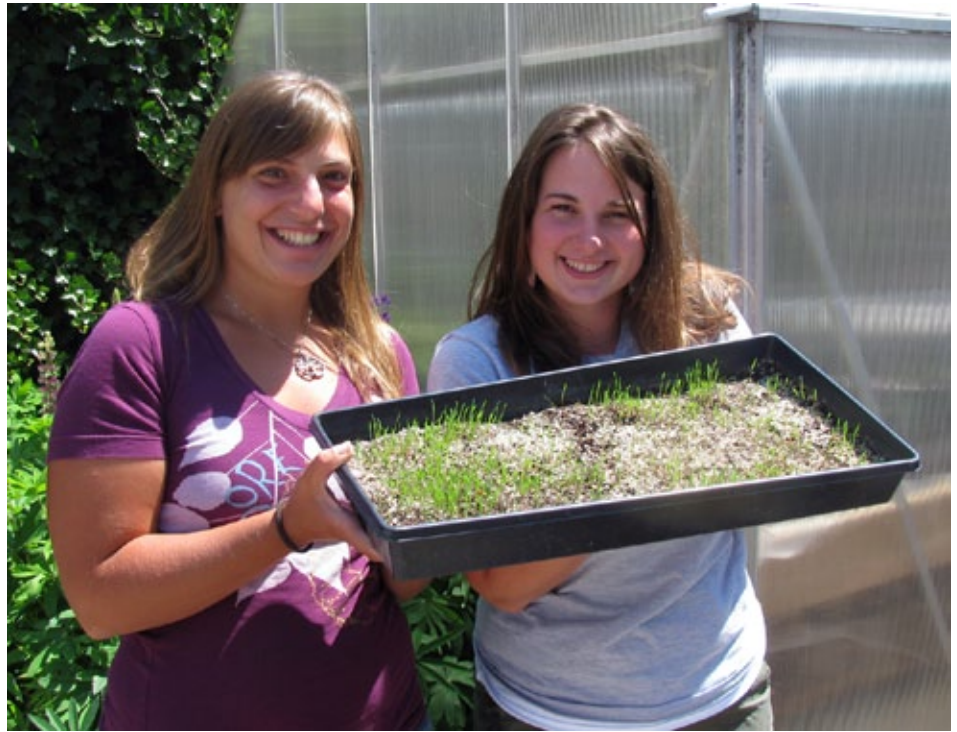
At four locations, we collected the debris from our gear that we would normally have removed and discarded. In May, on a week-long trip to the Roseburg area, we collected soil, seeds, and debris from the boots, cuffs, and vehicle floor mats used by our five-person crew. Following two weeks of fieldwork in early June around Vale and the Alvord Desert, we collected debris from the floor mats of our field vehicles. Finally, we returned to our Roseburg sites in mid-July and collected another set of samples.

We weighed the material from each site, spread it over potting soil, and placed the trays in the greenhouse at IAE. For several weeks, we watered the trays as needed and once the seeds germinated, identified them as native or nonnative.

On our first trip to Roseburg, our crew collected only a few seeds (most of the 93 grams of material was soil). Two weeks later, in eastern Oregon, we collected 263 grams of material, which was mostly sand and dry grass seed. On our return trip to Roseburg one person



18.7 grams of grass seed collected in Roseburg, July 2009



Alexis and Elizabeth with grass seedlings from Roseburg, July 2009

alone collected 19 grams, almost entirely dry seed.

After six weeks in the greenhouse, the material we collected from our first trip to Roseburg and eastern Oregon yielded four sheep sorrel (*Rumex* spp.) seedlings, and one unidentified grass seedling. In contrast, after only one week in the greenhouse, the material from our second collection in Roseburg yielded several hundred annual grass seedlings.

While it is likely that additional seedlings would have germinated given more time and/or cold stratification, we believe that one of the biggest factors affecting our experiment was the phenology at our sampling times. Our first trip to Roseburg was in late spring, when most species were in flower. When we went to Eastern Oregon two weeks later, many were starting to set seed. By the time we visited Roseburg the second time in mid-July, most plants were in full seed. Our study demonstrated that we had a high potential to disperse exotic plant seeds, particularly during certain times of the year.

Although all of the sites we worked at had been invaded by exotic species, we felt that our trip to Vale gave us the

clearest image of the impact of dispersal of exotic weed seeds. Cheatgrass (*Bromus tectorum*), which dominates the basin and range landscape in eastern Oregon, was introduced to the region through contaminated crop seed and travel. The area, once dominated by native bunch grasses, forbs, and sagebrush, is now almost a cheatgrass monoculture, and illustrates the impact that invasive species dispersed by humans can have on biodiversity.

Our trip to Vale also served as an extreme example of how easy it is to accidentally transport seeds, particularly those of weedy species like cheatgrass. We spent the end of each day painstakingly removing seeds lodged in our boots, socks, and pant legs, only to unroll our sleeping bags weeks later to find cheatgrass seeds hidden there.

Though our jobs are to combat biodiversity loss, we can very easily become enablers of the expansion of exotic species. For those of us that work in the field of conservation, and for plant enthusiasts whose interests take them to fragile habitats, it's key to be aware of the risk of endangering native ecosystems, and to take measures to prevent accidental seed dispersal.

Renewing Your Memberships, continued from page 111

Recent examples of actions we have taken on include a proposed liquid natural gas (LNG) pipeline that threatens the rare serpentine-inhabiting species of mariposa lily (*Calochortus coxii*) near Roseburg; the Bureau of Land Management's WOPR (Western Oregon Plan Revisions), which proposed to allow logging of almost one-third of old-growth forests remaining on BLM lands in western Oregon; and a proposed casino and associated development that would adversely impact native plant habitats in the Columbia River Gorge National Scenic Area.

Issues such as these require the attention of a statewide organization dedicated to the conservation and protection of native plants and their habitats. The NPSO is the only non-profit, all-volunteer organization in the state focused solely on native plant conservation. The Society provides members with a way to voice and share their enthusiasm and concerns, become

informed, and unite in taking up conservation causes. The NPSO *Bulletin* and newly redesigned Web site assist in keeping members informed about chapter activities across Oregon.

Each year the Society supports new field research dealing with native plants through the awarding of small grants given, for the most part, to students starting careers in areas of plant conservation or taxonomy. In just the past three years, we have awarded 16 grants of up to \$750 each. The goals of our field research grants are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival. Also, in conjunction with the Institute for Applied Ecology, we have helped fund internships that provide field experience to individuals considering restoration ecology or conservation

NPSO Board Nominations for 2010

The Nominating Committee is seeking candidates for state officer and director-at-large positions. If you are interested in serving the Native Plant Society of Oregon in any of these positions, please contact Dan Luoma at luomad@fsl.orst.edu or 541-752-8860.

biology as a career. Since 1993, about 44 budding botanists (in a broad sense) have benefited from NPSO's sponsorship of their internships.

The Society is a longtime financial backer of the Oregon Flora Project and supports scholarships and targeted projects through the special funds listed on the membership form. Most importantly, however, it is the involvement of over 900 members in chapters around Oregon that creates a statewide, grass-roots network of plant conservationists who stay informed about activities and issues that may affect native plants in and around their local communities.

Landscape-altering activities around the state that threaten natural habitats and native plants will never abate. In the coming year, new issues will undoubtedly arise. Thanks to positive responses from last year's appeal, membership renewals and new memberships increased—please help build on that base. We again encourage Society members to renew their memberships and warmly extend an invitation to friends, neighbors, and colleagues around the state to consider becoming new members of the NPSO—thereby joining in the effort to conserve our old-growth forests, oak woodlands, grasslands, wetlands, coastal dunes, and other natural habitats in Oregon, and the incredible native plant diversity they support. Thank you.

TIME TO RENEW

The NPSO membership year is January to December. Now is the time for members to renew for 2010. To find out whether you need to renew, please look at your address label on this issue of the *Bulletin*. If 2009 appears along the top edge of the label, you need to renew before Feb. 15, 2010, to ensure that you do not miss out on any of the *Bulletins* or on the 2010 issue of *Kalmiopsis*. If the year is absent (i.e., top of label is blank) or if you see 2010, 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.

Year's end 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 botany students at an Oregon college or university. You may 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.

NPSO Chapters Report on 2009 Activities

Fall has faded into winter. Holidays and the solstice converge. The year turns to face spring. There's no better time to take stock of what the various NPSO chapters have been up to, and maybe make a resolution or two about great programs for the coming year.

Corvallis

The Corvallis chapter had an eventful year that included hosting the annual meeting in the spring and putting on a number of workshops and field trips.

Nearly 100 people enjoyed the annual meeting with its nine field trips. Thanks to the cooperation of many in the Yachats community with putting on the event, the chapter was able to donate \$500 from the meeting's revenues to the Gerdemann Botanical Preserve Endowment. Plantings in the preserve were begun in 1982 by NPSO members Jim and Janice Gerdemann. More information is available at <http://gerdemanngarden.org>.

Winter workshops included seed propagation with Laurel Moulton and a herbarium workshop with Dick Halse. The herbarium workshop sorted more than 3,000 specimens, which were sent to 21 herbaria. Most were in the U.S., but specimens were sent to Japan, China, Austria, Canada and Poland as well.

In spring, Matt Blakeley-Smith and Laurel Moulton spread the native plant love by hosting joint native plant hikes with the local Sierra Club and Audubon Society chapters. Each of those joint trips introduced 20 to 30 people to the greenery and wildflowers in their own "backyard."

Summer field trips included a trip to Cone Peak with Dan Luoma and a field trip to Mary's Peak with Phil Hays and Esther McEvoy.

We continue to have our annual Spring Garden Sale in May and a booth at the Benton Fair. At Avery Park, our native garden is growing nicely and starting to take on a life of its own.

We would like to thank Matt

Blakeley-Smith for being our president for many years and now welcome Laurel Moulton to guide the Corvallis Chapter.

—*Esther McEvoy, Dan Luoma, Louise Marquering and Laurel Moulton*

Emerald



Emerald Chapter founders from left to right: John Christy, Charlene Simpson, Dave Wagner and Laramie Palmer

Emerald Chapter members, new and old, turned out at their September meeting to celebrate the chapter's 30th anniversary. Charlene Simpson, one of the founding members, gave a slide presentation chronicling chapter activities through the years. And it was more than just a retrospective, as she also highlighted opportunities for newcomer involvement.

Charlene closed with an epic poem she wrote, acknowledging the rhyme of Henry Wadsworth Longfellow's Song of Hiawatha. Here is an excerpt:

*Their state motto is dedication.
Enjoyment, study and conservation,
Of Oregon's native vegetation.
The happy group this year turns 30.
Counting 146, give or take,
They've come to celebrate with cake.*

—*Charlene Simpson*

High Desert

The following is a list of events we enjoyed in the High Desert this year.

Thanks to all our speakers, field trip leaders, and coordinators!

High Desert had a full agenda in 2009, beginning in January as Gene Hickman gave a talk on the vegetative communities in Oregon in the mid-1800s based on his research using the original General Land Office survey and the GLO township surveys.

At the March meeting, Linda Hardison of the Oregon Floral Project described the Oregon Floral Project and the multiple efforts going into it. The High Desert Chapter donated \$1,000 to Oregon Flora in memory of Brian MacMillan.

Also in March, Sandy Wyman and Berta Youtie shared their visit to China and the Gobi desert. Surprisingly, many of the plants in the Gobi are of the same genera as plants of the high desert.

In April, the High Desert chapter met with Old Stone Church directors to help design a master landscape plan, taking into account the interior and exterior of the building as well as the landscape surrounding it.

May's activities included a discussion of the feasibility, costs and structures of wind energy in Central Oregon, and a "weed or wildflower" seminar to help people understand and identify which is which.

In June, M.A. Wilson led a group of seven on a delightful hike up Lookout Mountain in the Ochocos. M.A. provided a species list and we found a large variety of wildflowers and saw many butterflies. Maret Pajutee, district ecologist for the Sisters Ranger District, led a visit to Whychus Creek, a little-known wild and scenic river that is being rediscovered as it gets back its name, its water and its fish (steelhead are on their way soon). Participants on a native grass identification trip with Berta Youtie learned how to identify and distinguish native species.

August found Stu Garrett leading a rigorous 8-mile hike in the Three Sisters Wilderness to the summit of Black Crater.

In 2010, the Forest Service's

Prineville station offers an opportunity for NPSO members to monitor and record the progress of restoration efforts along McKay Creek. In 2009, the Forest Service planted approximately 6 miles along Little McKay Creek and McKay Creek to provide bank stabilization and increase habitat for bugs that are food for fish.

—Eileen Obermiller

Portland

The Portland chapter's outings program cooperated with Friends of the Gorge, Klickitat Trail Conservancy and the North American Rock Garden Society in leading wildflower hikes this year. Some of our hikes were: Catherine Creek, Catherine Creek Labyrinth, Upper Swale Canyon, Memaloose Hills, Columbia Hills Natural Area Preserve, Angel's Rest, Hamilton Mountain, Saddle Mountain, Tamanawas Falls, Umbrella Falls Loop, Bird Creek Meadows, Bonney Butte/ Bonney Meadows and Indian Heaven Wilderness.

Linda Hardison gave a presentation about the Oregon Flora Project at one of the monthly meetings. Another popular program was the Adam Miller's "Sex Life of Flowers." The November's program was "Drift Creek Nature Center Fungi and Floral Survey" presented by Jake Hurlbert.

The distribution list of the Portland's chapter's electronic newsletter, *The Calochortus*, continues to grow.

On the conservation front, the Portland chapter signed on to the Friends of the Columbia Gorge's appeal of the Catherine Creek Recreation Plan and to the Friends of the Columbia Gorge's letter to Interior Secretary Ken Salazar opposing the off-reservation casino in the Columbia River Gorge.

—Don Jacobson

Siskiyou

In February the Siskiyou chapter partnered with the Klamath Bird Observatory and the Northwest Nature Shop to offer a popular winter ecology outing focusing on twigs, mosses, lichens and birds.

The chapter shared a table at the Shady Cove Wildflower Show on May 2

with the Jackson County Cooperative Weed Management Area.

We published a new brochure, "Wildflowers of Mount Ashland and the Siskiyou Crest," similar to the Grizzly Peak brochure, which sells for \$1. Jim Duncan headed the effort, and Bob and Belinda Vos supplied photographs.

Chapter members participated in the Pulling Together Weed Event in June and hosted a Wildflower Show at Lithia Park in Ashland on July 4. The chapter was represented at the National Public Lands Day on Sept. 19, doing volunteer trail maintenance at Upper Table Rock for the BLM.

Chapter members in the news this year included Wayne Rolle, who was awarded the Interagency Celebrating Wildflowers Award for Excellence in Rare Plant Management; Frank Callahan, awarded Fellow of NPSO; and Frank Lang and Frank Callahan, who were featured in an article in the Medford Mail Tribune about *Trillium kurabayashii*. In spring 2009 Lang found the first known location of this species in Jackson County. Two of our members contributed articles to the current issue of *Kalmiopsis* (Connie Battaile and Frank Callahan) and three wrote book reviews (Frank Lang, Ron Mastroguiseppe and Robert Korfhage).

Sasha Joachims coordinated 25 field trips this year between April 4 and Oct. 24, including an evening native plant garden tour in Ashland hosted by Darren Borgias. Attendance ranged from 4 to 40 participants, including members and non-members from as far away as Canada (more than once!), throughout Oregon and beyond. Kristi Mergenthaler arranged programs for our monthly meetings including the program for our November meeting, "Historic Vegetation of the Rogue Valley," presented by visiting High Desert Chapter member Gene Hickman, which attracted an audience of 66.

The year will end with a holiday party in December.

—Cindy Roché

Umpqua

In February Donna Rawson, with the help of Ron Hatt, taught a short workshop on "Landscaping with Native Plants" at Umpqua Community College. They were allotted 90 minutes and could have easily used another 90.

Don't miss a visit to the Glide Wildflower Show in April. Hundreds of volunteers, including several chapter members, start collection specimens early in the week for the weekend show.

We hosted another successful native plant sale in early May. Proceeds help the Oregon Flora Project, Douglas County Museum of Natural and Cultural History, and other projects.

Spring and summer weekends are filled with field trips looking high and low for all the wonderful wildflowers Douglas County has to offer.

—Donna Rawson

Willamette Valley

During 2009, the Willamette Valley chapter offered classes and programs on native conifer identification, wildflower identification, landscaping with natives, urban tree care, invasive weeds, and restoration in the Willamette Valley.

The chapter sponsored its annual native plant garden tour and sponsored field trips to Bush Park, Kingston Prairie, Iron Mountain, Dog Mountain, Triangulation Peak and Silver Falls.

Other projects included a native plant inventory at Yamhill Oaks Preserve and restoration work at its oak grove and riparian area restoration sites.

The chapter awarded the Jean Davis scholarship to Sasha Joachims and the Augusta Rockefeller scholarship to Todd Dalotto.

—John Savage

William Cusick

After taking a break through January, the William Cusick chapter welcomed Forest Service hydrologist Bob Gecy, who discussed "Climate Change in the Blue Mountains" at its February meeting at the Baker County Library in Baker City.

In April at Eastern Oregon University in La Grande, Karen Antell, EOU professor of biology, spoke on the End

Creek Restoration Project. Later in the month, Leslie Gecy spoke in Baker City on "Spectacular Thelypody—Monitoring and Grazing Experiment."

June's field trip was a wildflower walk on the Umatilla Rim with Susan Geer. August's was End Creek restoration with Karen Antell.

In September, there was a native grasses ID workshop at Eastern Oregon University in La Grande.

At a field trip to Union with Susan Geer and Laurie Allen in October, members planted *Camas cusickii* bulbs at William Cusick's gravesite. The chapter's October meeting, at the PNW Lab in La Grande, featured David Bradney of Wildlands Inc. on "Habitat Restoration Using Native Vegetation."

In September Leslie Gecy stepped down as chapter secretary. Her replacement is Laurie Allen.

—Jennifer Ferriell

Grant Proposals Requested

The Native Plant Society of Oregon sponsors small field research grants.

The objectives of the program are:

1) To stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state.

2) To promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from:

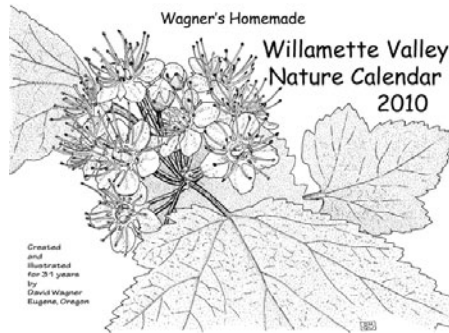
Dan Luoma
Field Research Grants Committee
Chairman
3740 NW Harrison Ave.
Corvallis, OR 97330

The information may also be found on NPSO's Web site, <http://www.npsoregon.org/grants.html>.

Research proposals are due by March 1, 2010.

Nature Calendar

Wagner's Homemade Willamette Valley Nature Calendar for 2010 is ready. It has gardening hints, wildflower bloom times, fish migrations, large mam-



m-mal breeding seasons, and much more. To order online, go to: <http://www.etsy.com/shop/fernzenmosses>. To get a copy by mail, send a check for \$18 (includes shipping) to:

Northwest Botanical Institute
P.O. Box 30064
Eugene, OR 97403-1064

For quantity orders, contact: davidwagner@mac.com, 541-344-3327.

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 <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 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 <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:

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.

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

PRESIDENT David Lebopresident@NPSOregon.org; 503-622-3191 ext. 639

IMMEDIATE PAST PRESIDENT..... Kelli Van Normanpast_president@NPSOregon.org; 503-236-8787

VICE PRESIDENT Lori Kayesvice-president@NPSOregon.org; 541-602-9701

SECRETARY..... David Barts PO Box 2105, Portland, OR 97208; secretary@NPSOregon.org; 503-679-2190

TREASURER..... Cyndi Dion 897 Hillview Dr., Ashland, OR 97520-3517; treasurer@NPSOregon.org; 541-482-8603

CHAPTER PRESIDENTS

BLUE MOUNTAIN (Pendleton) ... Jerry Baker P.O. Box 662, Athena, OR 97813; bm_president@NPSOregon.org; 541-566-2244

CHEAHMILL Susan Aldrich-Markham 22245 NE Ilaferr Lane, Dundee, 97115; ch_president@NPSOregon.org; 503-537-0587

CORVALLIS..... Laurel Moulton 425 S.E. Bridgeway Ave, Corvallis, OR 97333; co_president@NPSOregon.org; 206-459-3834

EMERALD (Eugene)..... Brian Basor 571 W. 11th Ave., Eugene, OR 97401-3407; em_president@NPSOregon.org; 707-326-5964

HIGH DESERT (Bend)..... Eileen Obermiller..... hd_president@NPSOregon.org; 541-447-8166

KLAMATH BASIN Sarah Malaby kb_president@NPSOregon.org; 541-884-5703

MID-COLUMBIA Sara Wu 95 Hearthside Lane, Goldendale, WA 98620; swu28@yahoo.com; 509 773 7127

NORTH COAST Janet Stahl..... 9780 Whiskey Creek Rd., Tillamook, OR 97141; nc_president@NPSOregon.org; 503-842-8708

PORTLAND Don Jacobson 941 SE 55th Ave, Portland OR 97215; po_president@NPSOregon.org; 503-235-6234

SISKIYOU Cindy Roché si_president@NPSOregon.org; 541-897-0421

UMPQUA VALLEY (Roseburg)..... Donna Rawson 4134 Goodrich Hwy, Oakland, OR 97462-9636; uv_president@NPSOregon.org; 541-459-2821

WILLAMETTE VALLEY (Salem) John Savage 1645 Church St SE, Salem, OR 97302-2908; wv_president@NPSOregon.org; 503-399-8615

WM CUSICK (La Grande)..... Jenifer Ferriell 2513 Washington Ave., Baker City, OR 97814; jenifer.ferriell@gmail.com; 541-523-5040

STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS Dan Luoma..... 3740 NW Harrison, Corvallis, OR 97330; 541-752-8860

CONSERVATION, EAST SIDE..... Duncan Thomas..... 529 N.W. 31st St. Corvallis 97330-5157; duncanwt@gmail.com; 541-752-5211

CONSERVATION, WEST SIDE..... David Lebopresident@NPSOregon.org; 503-622-3191 ext. 639

FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; hardisol@science.oregonstate.edu; 541-737-4338

LEGISLATIVE Les Helgesongreenhills@oregoncoast.com; 503-398-5965

MEMBERSHIP..... Clayton Gautier 3927 Shasta View St, Eugene, OR 97405-4442; membership@NPSOregon.org

RARE & ENDANGERED PLANTS.... Les Gottlieb 1085 Timberline Ter., Ashland, OR 97520-3436; leslie@ashlandhome.net

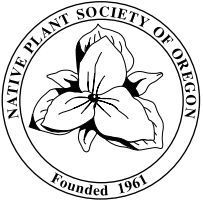
PUBLICATIONS

BULLETIN EDITOR..... Fran Gardner 2716 S.E. Main St., Portland, OR 97214; bulletin@NPSOregon.org; 503-267-4303

BULLETIN PRODUCTION Jocelyn Duffy..... 17969 SW Broad Oak Blvd., Aloha, OR 97007; jocelynduffy@yahoo.com

KALMIOPSIS EDITOR Cindy Roché..... P.O. Box 808, Talent, OR 97540; kalmiopsis@NPSOregon.org

WEBMASTER Norm Jensen..... webmaster@NPSOregon.org



Send change of address notices
and membership requests to:
Native Plant Society of Oregon
Clayton Gautier, Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

NONPROFIT ORG
US POSTAGE
PAID
EUGENE, OR
PERMIT NO. 204

RETURN SERVICE REQUESTED



TIME DATED MAIL



www.oregonflora.org

Friends of the Oregon Flora Project

As the end of the year approaches, we hope that you will remember the Oregon Flora Project in your charitable giving. This year we have made great strides in presenting information to the public: the photo gallery is online with more than 21,000 images, and a new atlas mapping program is available with more than 540,000 records and zoom-able base maps. Writing of the *Flora of Oregon* is underway, as is the development of complementary, easy-to-use online keys. The information-rich checklist will be our next public release in Spring 2010.

We are now well-positioned to add a taxonomic director to the OFP staff—an individual who will guide the taxonomic decisions in order to efficiently produce the written flora. We do not have the resources to completely fund such a position. Will you help with a generous donation to the Oregon Flora Project? Remember that all OFP salaries and expenses are funded by donations and competitive grants. Your support now will bring a much-needed staff position on board, and ensure that the *Flora of Oregon* is completed in a timely manner. Please contribute now! Your gifts can be made payable to Agricultural Research Foundation, with “OFP-4482” on the memo line, and mailed to: Oregon Flora Project, Department of Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902.