



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 33, No. 12

DECEMBER 2000

Summer Intern Report

Conserving Pleuropogons and Perideridias

introduction by Steven Gisler, Oregon Department of Agriculture Native Plant Conservation Program

article by Karin Rohland

The following is the first in a series of four articles written by this year's participants in the native plant conservation internship program, jointly sponsored by the Native Plant Society of Oregon and the Oregon Department of Agriculture (ODA). This program, now in its twelfth year, matches individuals pursuing academic and career interests in plant conservation with professional botanists and graduate students working with the ODA Native

Plant Conservation Program, based out of Oregon State University. This pairing benefits ODA through provision of motivated field assistants who help with a variety of ongoing research and conservation projects throughout the state. In return, interns not only receive hands-on experience in the multi-disciplinary science of conservation biology, but they are also exposed to the complexity of issues, viewpoints, and personalities surrounding the conservation of

Oregon's diverse native flora.

This year we enjoyed a very challenging and successful field season. Interns were exposed to a wide variety of projects, including:

- studies of interspecific hybridization in Wolf's evening primrose (*Oenothera wolffii*) on the southern Oregon coast;
- seed predator control in Nelson's checkermallow (*Sidalcea nelsoniana*) in the Willamette Valley;

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IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew. A remittance envelope is included in this issue of the *Bulletin*. Or use the membership form on the inside back page.

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 Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university.

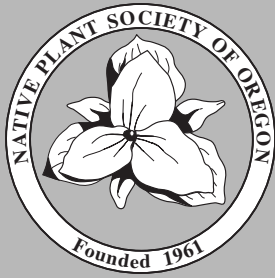
Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO. NPSO brings you field trips, programs, classes, the monthly *Bulletin*, and *Kalmiopsis*.

Note for New Members: If you joined since September, you are already enrolled for 2001. (See your address label.) You don't need to renew now.

Note for EFO Contributors: If you are receiving the *Bulletin* because you have designated part of your contribution to NPSO, your membership will continue for one year from the time of your contribution; you do not need to send a renewal payment now.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

Email Discussion List Login

<http://www.telelists.com/cgi-bin/lyris.pl?enter=npso>

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or correspond directly with Officers and
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of the back page.

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tion are those of the authors of the
articles. They do not represent the
opinions of the Native Plant Society
of Oregon, unless so stated.

WELCOME NEW MEMBERS

8/20/2000 to 11/2/2000

Corvallis

Marilyn S. Jahn
Jeanne Miley

Emerald

Sharon & Jim Blick
Ward Ricker

High Desert

Bette Butler
Marion Davidson
Kathy Holloway
Dona Smith

Mid-Columbia

Judy Thomas

North Coast

Fritzi Grevstad

Portland

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Laura L. Mann

Siskiyou

Judith & Mac McClure
June Papen
John & Mary Sollinger
Gretchen Vos

Willamette Valley

Jennifer Travers



AARON LISTON

The western coneflower, *Rudbeckia occidentalis*, is related to the midwestern *Rudbeckia hirta* "Black-eyed Susan" but lacks the showy ray petals of the other North American species. Despite the lack of ray petals, the contrast of the yellow star-like disk florets against a dark-chocolate background is quite attractive. Photo taken by Aaron Liston at Saddle Mountain, Clatsop County.

State

January 20, Saturday

Board Meeting: 10:00 am. Salem, exact location to be announced later.

Blue Mountain

For information on the the Blue Mountain chapter call Jerry Baker at 541-566-3381.

Cheahmill

December

No monthly meeting.

January 25, Thursday

Meeting: To be announced.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. 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 many 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.

Corvallis

December 11, Monday

Event: Holiday Dessert Potluck and Slide Show at 7:30 pm at the Avery House, Avery Park. Bring a dessert and about 20 slides to share. For more information contact Esther McEvoy at 541-754-0893.

Emerald

November 27, Monday

Meeting: Forests of Lilliput: Local Mosses and Lichens. 7:30 pm, Room 117, Science Building, LCC main campus. Nature photographer Dave Stone of Touchstone Photography and environmental educator Peggy Robinson (Emerald's field trip chair) take us for a pictorial hike into this tiny, beautiful world. Directions: Construction continues at LCC, so come a little early to find your way. We'll still be meeting in the original Science building, which has just been remodeled and is on the southeast corner of LCC. Best place to park is probably on the east side of campus, near the south end of Eldon Schafer Drive (turn at the stop light on 30th Ave.). Just south of that parking area is a lighted walkway along the north side of the Science trailers, which goes right to the Science building.

December 2, Saturday

Field Trip: Beginner's moss & lichen ID field trip to Fall Creek led by Peggy Robinson. This is a repeat of last year's successful field trip. Meet at South Eugene High School at 10:00 am. Bring lunch and dress for rain and cold. For more information, call Peggy, 541-744-0439.

December 11, Monday

(note change from the fourth Monday of the month to the second)

Meeting: Annual Holiday Party!

Bring 10-12 of your favorite slides, and if you wish, a finger food snack. Your chapter will provide punch, tea, and holiday decorations. See you there! 7:30 pm, Room 117, Science Building, LCC main campus, Eugene. For more information contact Nick Otting, 541-334-4499.

January 22, Monday

Meeting: Searching for Driftwood Valley. Rhoda Love will show slides as she presents a combination book review, biographical sketch, and botanical survey of northern British Columbia. She will outline her researches into the fascinating life of female ecologist Theodora Stanwell-Fletcher, author of the nature classic, *Driftwood Valley*. Included will be images of the trip Rhoda and her husband took to the British Columbia wilderness to find the places and plants mentioned in the book. 7:30 pm, Room 117, Science Building, LCC main campus, Eugene. For more information contact Nick Otting, 541-334-4499.



TANYA HARVEY

Devil's Matchstick, Pilophorus acicularis, is a common lichen found on rocks in cool, moist forests.

February 26, Monday

Meeting: Botanizing in the Mountains of Mexico. Nick Otting will present a sun-drenched slide show on the diverse flora of southern Mexico. The tropical rain forests of Vera Cruz and Chiapas are among the regions we will explore. 7:30 pm, Room 117, Science Building, LCC main campus, Eugene. For more information contact Nick, 541-334-4499.

High Desert

Restoring Our Native Landscapes

Over the last 150 years the landscapes of Central Oregon have changed. The pine forests have fewer large trees, more smaller trees, and are being invaded by less fire-tolerant species such as white fir. The juniper lands have many more junipers and shrubs and fewer native grasses. The bunchgrass communities have more woody species and are being invaded by non-native species. Many riparian areas have lost vegetation and are not functioning properly. There is growing interest in trying to bring back these original landscapes. In a series of winter evening meetings we will hear from a number of restorationists. All of these folks have dirt under their fingernails with practical, on-the-ground experience. Some focus on replanting a backyard, others are restoring entire drainages and ecosystems. Challenges

include reintroduction of fire, control of weeds, and restoring riparian function. Join us in learning about the challenges we face as we try to restore the land.

Please join us the fourth Tuesday of each month listed below. All meetings will be held at the Central Oregon Environmental Center, 16 NW Kansas, Bend, OR and will start at 7:30 pm. Call Stu Garrett 541-389-6981 for more information. All are welcome.

January 23, Tuesday

Meeting: Rick Martenson and Karen Theodore will speak on backyard and area restoration. He is an enthusiastic native plant landscaper in Bend who has his own private company and has done numerous projects locally. Karen grows native plants at her wholesale nursery east of Bend. Both are experts.

February 27, Tuesday

Meeting: Maret Pajutee, botanist/ecologist with the Forest Service talks on naturoscaping and native plant sources. She relandscaped the area around the Sisters Ranger District Office and has years of experience with revegetation.

March 27, Tuesday

Meeting: Kelly Walker of Sunriver will talk about his efforts with Sunriver Landowners to use native vegetation to plant in developments in Sunriver. He will emphasize soil amendments, preparation, and plant selection.

April 23, Tuesday

Meeting: Ecologist Bill Hopkins and Director Brad Chalfant of the Deschutes Basin Land Trust will discuss plans to restore and manage over 3,000 acres the Forest Service traded to Crown Pacific Lumber in 1999. This area will be managed under a conservation easement held by DBLT to enhance old growth ponderosa pine. Learn about the exciting things the Land Trust is doing locally.

Klamath Basin

For information on the Klamath Basin Chapter, call David Lebo at 541-883-8393.

Mid-Columbia

December 6, Wednesday

Meeting: Cattle Damage on Bird Creek Meadows. Cattle have been getting onto the beautiful alpine meadows of Mt. Adams for the last several years, and this year was especially bad. Darryl Lloyd of the Flying L Guest Ranch near Mt. Adams has hiked and photographed Mt. Adams extensively, and just had a marvelous photography show at the Columbia Gallery in Hood River. He will show slides of the alpine meadows, and give us the history of the cattle situation and an update. 7:30 pm at The Discovery Center in The Dalles; take exit 82 off I-84 and follow signs.

January 3, Wednesday

Meeting: Short Slide Show in Memory of Keith Chamberlain, and Organizational Meeting. What would you like to see this year for programs, field trips, and activities? How should we reach out to the community? Bring your ideas. 7:30 pm at The Discovery Center in The Dalles; take exit 82 off I-84 and follow signs.

North Coast

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



TANYA HARVEY

The intricate pore surface of the Maze Polypore (Daedalea quercina), a shelf fungus that grows on hardwoods. From the Mushroom Show at Mt. Pisgah Arboretum (see photo on page 130).

Portland

December 12, Tuesday

Meeting: Wildflowers of the French Alps. Loren Russell will show slides of the subalpine forest and meadows and turf and rocks near the village of La-Grave in the Dauphine Alps of France, and discuss how the flora has been assembled and preserved by traditional agricultural practices occurring over thousands of years. 7:00 pm, Fireside Room (#355) of the First United Methodist Church located at 1838 SW Jefferson St., in Portland. For more information contact Skip Haak, 503-460-3198.

Siskiyou

December 14, Thursday

Christmas dessert potluck and meeting: Canopy Ecology in Monte Verde, Costa Rica. Gretchen Vos, local botanist, will show slides of research projects in the Monte Verde rainforest. Bring a dessert to share. 7:00 pm at Battaile's, 1216 Tolman Creek Road, Ashland. A long block above Siskiyou Boulevard, on the left. Please park on the street. For more info contact Molly Sullivan, 541-770-7933.

Umpqua Valley

December 14, Thursday

Meeting: Annual potluck dinner. After dinner Jack Hausotter will show slides and speak on Mushrooms, Plants, and Geology of Western Oregon. Hillcrest Vineyard, 240 Vineyard Lane, Roseburg, 7:00 pm. Call Richard Sommer, 541-673-3709 for more information.

Willamette Valley

for information on the Willamette Valley Chapter call Karl Anderson at 503-315-7329.

William Cusick

for information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.



TANYA HARVEY

Saxifraga occidentalis sporting some late blooms, October 30 on Tire Mountain, Lane County



**Environmental
Federation
of Oregon**

EFO Helps People at Oregon's Workplaces Help Preserve the Environment

The arrival of autumn brings colorful foliage to Oregon and charitable giving campaigns to Oregon's workplaces. With the help of donors in the workplace and the Environmental Federation of Oregon (EFO), 29 non-profit environmental organizations, including NPSO, receive funds to reduce air and water pollution, protect ancient forests and wildlands, restore rivers and wetlands and much, much more.

NPSO is a proud member of EFO. What does this mean to you? A lot! You and your fellow employees can have contributions sent automatically to your favorite Oregon conservation groups, including NPSO. Contributions are simply deducted from your paycheck and spread over the course of a year. All gifts are fully tax-deductible. Week by week you can make a huge difference!

If your workplace is not currently involved in an EFO giving program, establishing one is easy. EFO will work with your employer to set up a program that meets your company's needs. Oregon's beauty, especially vivid in the colors of autumn, is legendary. With your contribution to EFO, you can help ensure that it stays that way. For more information, please call EFO at 503-223-9015.

Conserving Pleuropogons and Perideridias

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- monitoring simulated timber harvest impacts on the pumice grape fern (*Botrychium pumicola*) on the east flank of the Cascade Range;
- seed banking, field surveys, and soil requirements for Applegate's milk-vetch (*Astragalus applegatei*) in the Lower Klamath Basin;
- seed banking and reproductive biology of Peck's milk-vetch (*Astragalus peckii*) in Deschutes County, and the Tygh Valley milk-vetch (*Astragalus tyghensis*) east of Mt. Hood;
- population monitoring of the Malheur prince's plume (*Stanleya confertiflora*) in the Owyhee Uplands;
- reproductive biology and propagation of the Oregon semaphore grass (*Pleuropogon oregonus*) in eastern Oregon wet meadows; and
- monitoring of re-introduction success for the hairy popcorn flower (*Plagiobothrys hirtus*) in Douglas County and the red-root yampah (*Perideridia erythrorhiza*) in the Umpqua Valley and southern Cascade Range.



The inflorescence of the red-root yampah (*Perideridia erythrorhiza*) resembles that of wild carrot and is typical of the umbel family. *P. erythrorhiza* is currently listed as a federal Species of Concern and a State of Oregon Candidate species.

Upon completion of the summer field season interns were asked to write articles describing their internship experiences, for publication in the NPSO *Bulletin*. Over the years, intern articles have ranged from formal-style presentations of scientific material to narrative accounts of their philosophical journeys. Regardless, it is hoped that these articles offer NPSO members an opportunity to familiarize themselves with the interns they help support, as well as the types of projects they work on with ODA.

What follows is an article by Karin Rohland. Karin is currently a senior at Oregon State University, majoring in botany. We are grateful to Karin and the other interns for a successful field season, and thanks again to the NPSO for contributing to their botanical education and work experience.

As an intern with the NPSO/ODA native plant conservation internship program, I was exposed to, and was able to participate in, a variety of different conservation projects dealing with vascular plants of various families and ecosystems. Some of these projects focused on the re-introduction of rare plants while others consisted mostly of population monitoring and other information gathering processes. One of the aspects of this internship that I did not anticipate, but benefited from, was learning about the complex network of various state and federal government agencies, nonprofit organizations, and concerned plant enthusiasts that keep watch over rare plants in our state.

A prime example of this network was encountered during the first week of my internship, when I joined ODA staff in traveling to the Malheur Field Station, southeast of Burns, to attend a meeting sponsored by the Oregon Natural Heritage Program (ONHP). This meeting occurs every few years, with the objective of updating the ONHP List of Rare, Threatened, and Endangered Species of Oregon. Here, professional and amateur botanists from all over the state gather to report on the status of plants of concern in their local areas. The meeting was a cooperative

process. Following the ONHP meeting we attended the state NPSO meeting, also held at the field station. Here, officers were sworn into duty and three people were honored who had made significant contributions in the plant world, and we heard a little bit of each of their stories.

On the third day at the field station we went on an ethnobotany tour around, and into, the Steens Mountain area. This tour was led by Lucile Housley of the Lakeview BLM district. I really enjoyed learning about the historic ways humans have interacted with the native flora. At this event and throughout the weekend I enjoyed being around other people with a high regard for plants. Over these first five days of the internship, I learned more about the web of people and institutions involved in plant conservation. Specifically, I encountered private landowners and citizens, and representatives of NPSO, The Nature Conservancy, ODA, ONHP, the Bureau of Land Management, U.S. Forest Service, and the U.S. Fish and Wildlife Service.

During my internship, one of the projects I most enjoyed working on was with Steve Gisler (ODA), who introduced me to *Pleuropogon oregonus*, the Oregon semaphore grass. This grass is beautiful, with dark purplish-brown florets and translucent scarious margins on the lemmas. Steve said *P. oregonus* is probably the rarest grass in the Pacific Northwest, and is listed as Threatened by the State of Oregon and is a federal Species of Concern. The semaphore grass has a mysterious distribution; it is only known from two locations in the world, one near La Grande, and the other, hundreds of miles away, in Lake County. I was fortunate to be able to visit both locations.

Both *Pleuropogon oregonus* sites were wet with standing water in the summer, with rich organic soils that looked like a gardener's dream. According to Steve, the population near La Grande was once leased by The Nature Conservancy, which constructed a wire fence to keep surrounding cows out. The lease has apparently expired now, and the fence has been knocked down

continued on following page

Conserving *Pleuropogons* and *Perideridias*

continued from previous page

on one side, and we had to dodge cattle while searching for the grass, which had been grazed and trampled. The Lake County population is currently managed by The Nature Conservancy and is still enclosed by an intact fence separating it from the surrounding range land. At both sites we collected seeds and shoots (tillers), which Steve and other ODA staff will use to see if *Pleuropogon* can be cultivated in the greenhouse, for use in restoration projects and studies of the species' biology. Previously, people questioned if this species set seed at all. We found that it definitely did, though at fairly low levels. We also found there was a difference between sites in the percentage of fertile florets. Currently, *Pleuropogon* growing in the greenhouse are forming new shoots and spreading rapidly, showing its tendency for vegetative growth.

Another one of my favorite plants to work with this summer was *Perideridia erythrorhiza*. This project was a great example of interagency cooperation, with ODA work being performed in cooperation with an OSU graduate student, and funded by the U.S. Fish and Wildlife Service, the U.S. Forest Service, and the BLM. *Perideridia erythrorhiza* is a Candidate for Listing with the State of Oregon

and a federal Species of Concern. Preliminary work by Robert Meinke (ODA) indicates that what is currently known as *Perideridia erythrorhiza* is actually recognizable as two different species, with distinct morphological and genetic differences, making these species even rarer and more of a conservation concern.

Perideridia species are perennial herbs with narrowly dissected leaves and compound umbels of delicate white flowers. *Perideridias* or yampahs or ipos (Modoc) are a traditional edible to many indigenous people of Oregon and California. The tuberous roots of this genus of the Apiaceae can be eaten raw (crunchy), ground and made into cakes which are dried, or dried whole and ground into flour. Analysis of fresh *Perideridia gairdneri* roots shows that they are a good source of iron, Vitamin C, and carotene. During our ethnobotany tour at the Malheur Field Station, I tasted some fresh *Perideridia oregana* root. I thought it tasted like a tangy carrot and was impressed with how pleasant it was to eat in its raw state. The seeds of the genus were also eaten.

Perideridia erythrorhiza is the focus of Kim Roberts' graduate work at OSU. Kim is conducting a re-introduction project and hopes to develop a protocol that can be used in implementing other similar projects. She has gathered seeds and roots and has expanded on preliminary work conducted by ODA,

learning how to propagate *Perideridia* in a greenhouse setting. She selected suitable locations (forest openings with seasonally moist soil) on U.S. Forest Service and BLM land and planted seeds and tubers there. These experimental populations are being monitored and compared with natural populations. By establishing populations of rare plants on publicly-owned land, the conservation of these plants in the future is much more secure than on privately owned lands. These public lands will not change ownership with changing generations and will receive the benefit of protection under federal land management policies. I learned this summer that state and federally listed plants, unlike animals, are not protected on private lands.

One of the reasons I enjoyed working on the *Perideridia erythrorhiza* project is because of the beautiful places that it grows. On the east side of the Cascade Mountains I accompanied Kim to sunny mid-elevation meadows bordered by ponderosa pines, and in the Umpqua Valley I visited lower elevation meadows bordered by oaks. At each study site I assisted in taking data on soil moisture, presence or absence of plants, plant height, and number of inflorescences.

I would like to thank ODA and NPSO members for funding the internship and kindly giving me this unique opportunity. It was really neat to be able to work on a variety of different conservation projects and to work around people who are so closely involved with plant conservation. I felt fortunate just to be able to see very uncommon plants and to be one of the people who tread lightly around them, trying to ensure that they will be accommodated here on earth in the future. I also really enjoyed traveling to the many diverse ecosystems encompassed in this state. Special thanks to Bob Meinke, Steve Gisler, and Kelly Amsberry at ODA, Matt Carlson and Kim Roberts at OSU, and my fellow interns.



*The red, tuberous roots of *Perideridia erythrorhiza* give the species its name, and were a significant food source among Native Americans.*

Mount Pisgah Arboretum Events

Thursday, November 30, 7-9 pm

“Sacred Geography”: An Evening Slide show & Lecture by Rick

Ahrens, Arboretum Nature Guide and LCC Instructor. Join us for a closer look at the symbology of mountains and trees as we explore both inner and outer landscapes, plus traditional creation stories. Location: Eugene Garden Club (High St. between 16th and 17th.) Suggested donation: \$3.

Saturday, January 6, 10am-noon

Winter Warm-up Singles Hike at Mt. Pisgah Arboretum.

Get a new perspective on the new year (and maybe meet a new friend!) while climbing Mt. Pisgah. Singles only please. Hot cider will be served. Suggested donation: \$3 (MPA members free). Meet at Arboretum Visitor Center.

Saturday, January 27, 10am-3 pm

Pine Needle Basketry Workshop at Mt. Pisgah Arboretum.

Led by Pam Roberts, U. of O. Craft Center Instructor. Learn the historical uses and techniques of pine needle basketry, plus take home a basket you've created! This is a popular favorite; sign up early. Materials provided. Pre-registration required; call 541-747-1504. Fee: \$30 (\$25 MPA members).

Washington Needs Volunteer Stewards

Help protect and preserve Washington's natural heritage while enjoying an opportunity to see diverse plant communities and local endemic species!

Volunteer stewardship opportunities are now available to help care for state-owned Natural Areas preserves throughout Washington (there are several areas just over the Oregon border). These sites have been established to protect habitat for rare, endangered or threatened plant and animal species or they have outstanding scenic and ecological value. In a rapidly changing Washington, these are islands of our state's past. They contain the highest quality examples of Washington's natural heritage—what was common but now is rare.

Don't miss this NEW opportunity to protect rare plant communities as a Land Steward. Volunteers will visit these Department of Natural Resources natural areas once a month from spring through fall and a commitment of at least one year is required. Training and equipment will be provided. **Enjoy our natural heritage while contributing to the care of our public lands!**

For additional information contact Janet O'Connell at 1-888-895-2460 or by e-mail at natrcnct@nwlinc.com.

New Membership Directory To Be Published

The 2001 edition of the NPSO Membership Directory will be published in April. If you wish to receive a copy, add Two Dollars to your renewal payment.

If you wish to have your address or telephone number or both withheld from publication in the Directory, please make a prominent note on your renewal form.

NPSO Items for Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu for wholesale prices to chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455, \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

The "Atlas of Oregon Carex" is NPSO's first occasional paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. Send a \$5 check (made payable to NPSO) to: "Atlas of Oregon Carex", c/o Keli Kuykendall, 4550 S.W. Nash Ave., Corvallis, OR 97333-9301.



Prize-winning King Bolete (Boletus edulis) and Maze Polypore (Daedalea quercina) at this year's Mushroom Show at Mount Pisgah Arboretum.

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:
Jan Dobak, NPSO Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

DUES include monthly *Bulletin* and *Kalmiopsis* when published.
Membership is for the calendar year. New memberships enrolled after
September 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.*
 2001 NPSO Membership Directory – \$2

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____
Leighton Ho Memorial Field Botany Award Fund \$ _____
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 change of address (include old address) should be sent to the Membership Chair.

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CHAPTER PRESIDENTS

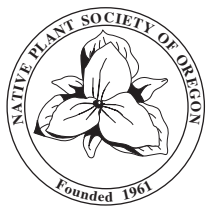
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THE OREGON FLORA PROJECT NEEDS YOUR HELP

Most of you have received a letter from Scott Sundberg describing the \$10,000 challenge for donations to the Oregon Flora Project made before December 31. An anonymous donor will match 1) contributions from new donors and 2) contributions increased over one's total gifts in 1999.

We hope that you will take this opportunity to double the impact of your giving by making a contribution now. Gifts of stock, NPSO chapter donations, and Igo challenge contributions can also be applied. As this goes to press, we have received over \$3200 towards our goal of \$10,000.

Checks can be made out to either the NPSO (attention Friends of the Oregon Flora Project) or the OSU Foundation (attention Oregon Flora Project), and mailed to Scott Sundberg at the address below. Please enclose this form with your check so we may properly thank you for your support of the Oregon Flora Project!

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Your gift must be postmarked by December 31 for it to be considered for the challenge.