



# *Bulletin* of the Native Plant Society of Oregon

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

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## Renewal Time Is Running Out.

The grace period for membership renewal ends in March. Check your address label on this issue to see if this is the last Bulletin you will receive. If so, you can avoid falling from grace by sending your renewal to the Membership Committee.

## State News

April 1, Sat.

**State Board Meeting:** 10 A.M. Coos Bay, at Southwestern Oregon Community College (SWOCC). Directions: Southbound on 100 cross McCullough Bridge into North Bend, get in right lane, turn right at 2nd light (Virginia St.) left at 1st light after mall (at 7-eleven) onto Broadway, get in right lane which will turn right at the Sizzler (sweeping curve) onto Newmark Blvd., turn into SWOCC campus across from Walmart and follow NPSO signs. Northbound on 101, go through Coos Bay, turn left at Ming Palace Restaurant onto Newmark Blvd., go about 2 mi. (through 4 lights, turn right at SWOCC entrance as above. Possible field trip to Shore Acres. For more information call Bruce Rittenhouse, 756-0100 (w) or 888-9328 (h).

June 16-18

**Annual Meeting:** Hosted by the Portland Chapter, at Brightwood, near Mt. Hood. Dr. Linda Ann Vorobik, NPSO member for many years, formerly editor of the Bulletin and chief illustrator of The Jepson Manual, will be the speaker at the Saturday evening banquet. Her topic will be "Assembling a state flora -- challenges of producing the Jepson Manual." Details and registration form are in this issue of the Bulletin.

## Chapter News

### Blue Mountain

March 6, Mon.

**Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Karl Urban will give an overview of his work with the USFS and also on the trees of our area.

April 3, Mon.

**Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Berta Youtie of The Nature Conservancy will show slides of her trip to Africa.

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May 1, Mon. **Meeting:** 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Bruce Barnes will demonstrate the computer polyclave expert system plant key he developed for the plants of the Umatilla National Forest.

## Corvallis

March 13, Mon. **Meeting:** 7:30 P.M., room 2087, Cordley Hall, OSU campus. Dr. Robert Frenkel will discuss wetlands research at Finley Wildlife National Refuge.

April 10, Mon. **Meeting:** 7:30 P.M., room 2087, Cordley Hall, OSU campus. Loren Russell will present "Spring in the Illinois Valley."

## Emerald

March 4, Sat. **Field Trip:** Dr. David Wagner will lead a "moss walk" along Brice Creek, east of Cottage Grove. Leave from S. Eugene H.S., 9 A.M. For more information, call Dave at 342-4169.

March 18, Sat. **Field Trip:** Dr. Bruce McCune, OSU lichenologist, will lead a trip to the Mohawk Research Natural Area, Eugene BLM. Leave from S. Eugene H.S., 9 A.M.

March 27, Mon. **Meeting:** 7 P.M. at Morse Ranch Park. Directions from downtown Eugene: Take Willamette St. south to Crest Dr. (right through "Y" for Donald, between 32nd and 33rd Aves. E). Go right (W) on Crest 4 blocks, turn right into Morse Ranch parking lot. Mike Perkins, Integrated Vegetation Management Coordinator for Lane County, will update us on "Lane County IVM" including roadside signing for T&E plants, new techniques in erosion control and roadside revegetation.

April 15, Sat. **Special Meeting:** Lane County Rare and Endangered Plant update. If interested in participating, call Bruce Newhouse, 343-2364, for information on time and place.

## High Desert

March 28, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Slide show night. Bring your favorite slides to show fellow members.

April 25, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, in Bend. Linda Rexroat, Range Ecologist, The Nature Conservancy, will discuss restoration ecology at Sycan Marsh.

## Mid-Columbia

March 1, Wed. **Meeting:** 7:30 P.M., Mosier School. Krista Thie, well-known herbalist and author, will give a presentation on the medicinal plants of the Columbia Gorge.

April 5, Wed. **Meeting:** 7:30 P.M., Mosier School. Ed Alverson, a land steward for the Nature Conservancy, will give an overview of western Oregon Nature Conservancy preserves.

April 23, Sun. **Show:** The 21st annual Wildflower Show. Mosier School, 10 A.M. to 4 P.M.

## North Coast

March 18, Sat. **Field Trip:** 10 A.M. Walk through old-growth to see headland vegetation at Cape

Falcon. Meet at northern parking lot of Oswald West State Park. For more information call Christine Stanley, 436-0161.

March 28, Tues. **Meeting:** 7 P.M. Tillamook YMCA, 610 Stillwell Ave. Jaylen Jones will discuss plans for mapping vegetation at Bay Ocean Spit. For more information call Christine Stanley, 436-0161.

## Portland

March 12, Sun. **Field Trip:** 9 A.M. Mary Vogel will lead on a study of upland and riparian native plant communities in Portland's own Forest Park, incorporating some discussion of the new Forest Park Management Plan. She may be joined by Fred Nilsen, Portland Parks Arboriculturist. Hike about 6 mi. Meet at World Forestry Center parking lot to car-pool.

March 14, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 SW Jefferson St., Portland. Dr. Aaron Liston, Director of the Herbarium, OSU, will give a talk on the locoweeds of the world. The room will be open at 6:30 P.M. for socializing.

March 18, Sat. **Field Trip:** Catherine Creek. Jan & Dave Dobak lead an easy walk to view early spring wildflowers in the Columbia River Gorge. Hike up to 4 mi. Elev. gain 400 ft. Drive 14 mi. R.T. Meet at Lewis & Clark State Park off I-84 at 8 A.M.

March 19, Sun. **Field Trip:** 2-5 P.M. NPSO member Mike McKeag's three year old native plant landscape in his suburban yard in Aloha. Call 642-6120 to register. Limit 10.

March 26, Sun. **Field Trip:** 9 A.M. CCC/Camassia. Richard Marks, 235-6193, will lead on a native plant tour to Clackamas Community College and the Jewett property at Bosky Dell, then Susan Caldwell, 228-9561, will take us on a tour of Camassia, which will give us a vantage point for some of the greenspace target areas for the Willamette River Greenway as well. Walk 2-3 mi. Optional 2 mi. hike through Mary Young State Park at day's end. Meet at CCC parking lot closest to Trail's End Hwy. entrance on right.

April 1, Sat. **Field Trip:** 9 A.M. Columbia Gorge "Cherry Orchard" site with Barbara Robinson, 478-3293, of Mid-Columbia Chapter. 6.5 mi. hike with 1400 ft. elev. gain. Meet at ODOT, 60th and NE Glisan. Take the ten essentials.

April 2, Sun. **Field Trip:** 9 A.M. Fanno Creek Greenway with Doug Fanno, 590-3421, of Fans of Fanno, and Mary Vogel. Inspect some recent restoration work along this easy 5 mi. round trip from Greenway Park to Englewood Park. Take your wetlands field guide, since we pass through several. Meet at Fanno House just east of Hall Blvd. on Creekside (historic house in an office park) in Beaverton.

## Siskiyou

March 16, Thurs. **Meeting:** 7:30 P.M., room 171, Science Building, SOSC, Ashland. John McClendon will show slides of "French Polynesia -- Tahiti, Tuamotu and the Marquesas."

## South Coast

April 8, Sat. **Field Trip:** Lemmingsworth Gulch to see *Darlingtonia* bogs with hopes of seeing *Pinguicula vulgaris* and *Viola primulifolia*. Meet at the Brookings Fred Meyer, along highway 101 at 10 A.M.

## Umpqua Valley

- March 9, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse. Abby Ross will speak on the coming Glide Wildflower Show. Call Sandra Stiltner, 672-5903, for information.
- March 25, Sat. **Field Trip:** To Table Rock. Meet at BLM parking lot for 7:45 A.M. departure, or in Canyonville at Fat Harvey's for 8:30 A.M. departure. Call trip leader Jack Hausotter, 863-5347, for more information.

## Willamette Valley

- March 20, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Presentation by Wayne Cudmore of a slide show on biodiversity.

## William Cusick

- March 15, Wed. **Meeting:** 7 P.M. Forest and Range Laboratory, Gekeler and C Aves., La Grande. Berta Youtie presents the national parks of southern and eastern Africa. Contact Bob Ottersberg, 963-6043, for more information.

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## Rare Plants Along State Highways

### Oregon Department of Transportation Program On Threatened and Endangered Species

Jerry Igo will present a program on Oregon Department of Transportation's response to rare plants found on state highway rights-of-way. On Tuesday, March 14, the program will be at Clackamas Community College, in Oregon City. And on March 21, it will be at Chemeketa College in Salem. Both programs will take place from 1 to 4 P.M. Check locally for room numbers.

#### 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.

#### 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. Each group using wilderness areas should be no larger than 12.

### Guidelines for Contributors to the Bulletin

NPSO Bulletin published monthly as a service to members and the public.  
All kinds of contributions welcome. **Copy due by the 10th of the month.**

**CREDITS:** Identify author and affiliation. If not original, cite source and date.  
**ILLUSTRATIONS:** Line drawings, prints and high contrast black-and-white prints useable. Some McIntosh graphics can be used. Contact editor for current needs, or send illustrations.  
**BOTANICAL NOMENCLATURE:** Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

**FORMAT:** Submissions can be in any form. Use of a modem is not possible at this time.  
For further details consult editor.

**ORIGINALS:** Submissions are not returned, unless requested.

**We Welcome New Members  
Joining From 11/21/94 to 1/7/95**

**Corvallis**  
Irene Brown  
Barbara Wilson

**Emerald**  
Eugene Lewins  
Sarah Sherwood  
Gilbert A. Voss

**High Desert**  
Gerry Craver  
Alissa DeVoney  
Rick Goldstein & Alison Lynch-Miller  
Cynthia Persichetty O'Hara  
Judy Sale

**North Coast**  
R.J. Garono

**Portland**  
Kim Bredensteiner  
Becky A. Kadrmas  
Paul Raether  
Claudia P. Steinkoening

**Siskiyou**  
Dennis & Chris Hill  
Wendell Wood

**William Cusick**  
Jan Arthur Abeita  
Kate Boula  
Marcia Wirth

**Willamette Valley**  
Bethine Bigej  
Clifford L. Schmidt

**Members at Large**  
Roger Rosentreter & Ann DeBolt

**And Still More New Members  
Joining From 1/8/95 to 2/4/95**

**Corvallis**  
Gina Glenne  
Claudia McCue  
Moniua Myrdal

**Emerald**  
Timothy A. Dickinson  
Dylan Fischer  
Linda Jennings  
Marcus Lorusso  
Fran Rosenthal  
Rebecca Wilson

**High Desert**  
Mary Hodson  
Sherry Hossom

**Mid-Columbia**  
Lon & Lori Johnson

**North Coast**  
Neal Maine

**Portland**  
Roy Beaty  
Melanie Bjorge  
Joe Blowers  
Uta & Charlie Crisafulli  
Beverly E. Doty  
Mike Foix  
Christine Holden  
Theresa Selvy & Craig Harper  
Bernie Smith  
Robert Toelle  
Tualatin City Parks & Recreation Dept.

**Siskiyou**  
Jeanne Bamforth  
Alan Horobin  
Ann Strauss

**Umpqua Valley**  
Lloyd Cruger

**William Cusick**  
Plantworks Native Nursery  
Barb Ripperda

**Willamette Valley**  
Donna Anessi  
Chris Elkins  
Juan Mendoza

## What's Happening In the Willamette National Forest

The Willamette National Forest has the distinction of serving three NPSO chapters: Emerald (Eugene), Corvallis and Willamette Valley (Salem). As Forest Botanist, I'd like to catch you up on what our Botany Group (Mike Roantree, Alice Smith, Pat Ford, Evelyn Everett, Kim McMahan and I) have been doing during the past year.

Our botany program began in response to the need to conserve rare (called sensitive by the USFS) plants; this remains one of our most important activities. In the past two years we have been involved in the development of two Conservation Strategies.<sup>1</sup> for sensitive plants: Umpqua swertia, *Frasera umpquaensis* (with Rogue River, Umpqua, Siskiyou NF's and Eugene and Medford BLM Districts, and Gorman's aster, *Aster gormanii* (with Mt. Hood NF and Salem BLM). Strategies for tall bugbane, *Cimicifuga elata*, and adder's tongue, *Ophioglossum pusillum*, are in progress. Monitoring these species is high on our list of yearly activities.

The Botany Group has worked for three years, in association with wildlife biologists, ecologists and silviculturists, in developing a guide to special habitats (mostly non-forested sites such as meadows, rock gardens, rock outcrops -- mostly sensitive plant habitat) for the forest. This features the plant associations or groupings, their associated wildlife species, and suggestions for their management. A database has been set up to track these habitats and they are being systematically inventoried by botanists as part of the watershed analysis process.

Botanists also serve as noxious weed coordinators in the Willamette National Forest. In 1993, we published an Environmental Assessment for Integrated Weed Management in the forest. This document outlines priority species (new invaders) and outlines how to identify weed sites and choose control methods based on the characteristics of the site and the weed. We have focused mostly on manual and biological controls in the past, but this year we initiated a competitive planting program (using a variety of seed mixes to see which works best) and a mowing program in the McKenzie

1. See the next issue of Kalmiopsis for further explanation of what a Conservation Strategy is.

Watershed.

A Revegetation with Natives program is in its infancy in the Willamette National Forest. In 1993, we collected our first native grasses to try growing them at a USFS nursery. This year we began a multi-year challenge cost-share project with Forbes Seed and Grain to conduct a common garden project where seeds of the same species from all over the forest (and from Eugene BLM and Siuslaw NF) are grown together. Monitoring of emergence, flowering time and seed production will allow us to determine some preliminary seed zones for transfer of native grasses. We hope to eventually come up with erosion control and wildlife forage seed mixes composed entirely of native species.

The President's Forest Plan, finalized this spring, has changed the way the USFS in western Oregon does business. Pat Ford, McKenzie/Blue River botanist, was involved in the forest's Pilot Watershed Analysis for the South Fork of the McKenzie River. Watershed analyses will need to precede most of our specific project plans, so they will be conducted throughout the forest. One of Pat's biggest projects was the development of a database of all the mosses, lichens, liverworts and fungi listed as old-growth associated in the Forest Plan. Botanists will be spending a lot more energy on these species in the future. Other watershed analyses were conducted on the Detroit (Blowout -- Mike Roantree), McKenzie (Santiam Pass -- Pat Ford) and Rigdon (Staley Creek -- Evelyn Everett) Ranger Districts and a Watershed Assessment was conducted on the Lowell Ranger District (Jenny Dimling). Next year three watersheds -- South Santiam, Upper McKenzie and North Fork of the Middle Fork of the Willamette -- will be analyzed.

A new program this year, associated with the President's Plan, is jobs-in-the-woods, meant to put displaced timber workers back to work. Projects concentrated on restoration, including revegetation with natives at dispersed recreation sites along the North Santiam River, road closures in Sweet Home RD, and riparian restoration on the Middle Fork of the Willamette River. Workers also eradicated noxious weeds at Long Ranch.

Some of you have participated in our Celebrating Wildflowers programs which take place all summer. These activities are meant to increase recognition of the unique features found across the forest and to illustrate the role the botany program plays in the maintenance of overall biodiversity

within the forest. This year we featured classic wildflower walks to Horsepasture Mountain, Tombstone Prairie, Moon Point, Iron Mountain, Delta Campground and McKenzie Research Natural Area. Other unique activities included a wildflower tour with the Sweet Home Chapter of the Garden Club, wildflower photography and watercolor with the Friends of Iron Mountain, weed pulls and an overnight backpack trip in Waldo Wilderness.

If you have any questions about any of the projects mentioned above, or want copies of any of the documents referred to, please feel free to call me at 465-6321. We welcome any suggestions for field trips for Celebrating Wildflowers. Thank you for your support of botany programs in the national forests of the Pacific Northwest.

Jenny Dimling  
Emerald Chapter

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### **E-mail Addresses To Be Published**

The 1995 NPSO Membership Directory will include a list of the electronic mail addresses of members. A member wishing to have an e-mail address published in the directory should inform the Membership Committee prior to April 15.

Members are reminded that publication of an e-mail address represents an invitation to use the host machine for correspondence which might not be related to the official business of the machine's owner. If your employer frowns on personal use of company or government machines, you will probably not want to have your address published.

Dave Dobak  
Membership Committee

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### **Paid Volunteer Needed**

NPSO needs a volunteer to serve as liaison to the Environmental Federation of Oregon. This is one of the premier umbrella green groups in the state. It is associated with the United Way campaign. The NPSO board will pay \$1000/year to a NPSO member who will attend meetings in Portland and activities associated with EFO. Some community involvement and coordination with chapters will be needed. This is an excellent opportunity to get involved in important statewide issues and really make a difference. Averages 6 to 8 hours a month. Call Stu Garrett, 389-6981, for details.

### **Volunteers Needed For Mount Pisgah**

Mount Pisgah Arboretum in Eugene is recruiting volunteer nature guides to lead school children on interpretive walks this spring. Guides are also needed to lead afternoon sessions of environmental education, activities and games. Spring Discovery Tours offered to 3rd to 5th grade students are designed to cultivate the natural curiosity of young people and deepen their appreciation and understanding of the environment. The six week program is May 1 to June 9. If you love learning about nature and enjoy working with kids, the Arboretum can put you to work in the woods! For an application and guide training program schedule please contact Adrienne Schartz, at 746-8919.

### **North American Native Orchid Journal**

Publication of the North American Native Orchid Journal, a quarterly (March, June, September, December) has been announced by the North American Native Orchid Alliance, a group dedicated to the conservation and promotion of native orchids.

The first issue, March, 1995, will have articles, illustrations and orchid news, including A Checklist of North American Orchids, an index to 1994 orchid literature, book reviews and extensive information about the Alliance. Contributions for future issues are being accepted. For more information, write the editor at 15 Dresden St., Jamaica Plain, MA 02130-4407.

Membership, including the Journal, is \$22 a year, and should be sent to Nancy Webb, 84 Etna St., Brighton, MA 02135. Memberships received before June 1, 1995 will be offered at the special price of \$18, for the first year only.

### **Wild Salmon and Clean Drinking Water**

They are disappearing faster than you think. Join Regna Merritt, ONRC's Clean Drinking Water program leader and Diane Valantine, Salmon and Rivers program leader at a briefing and slide show and find out what you can do to help.

**Portland:** Mon. 3/13, Friendly Community House 1737 NW 26th Ave., 7-8:30 P.M.

**Salem:** Tues. 3/14, First United Methodist Church, 600 State St. Same time.

**Eugene:** Mon. 3/20, Hungry Head Book Store, 121 Willamette St. Same time.

**Bend:** Tues. 3/21, COEC, 16 NW Kansas. Same. Call Jon Kart, 223-900x209, for information.

## Proposed Revision of NPSO Bylaws

At the January 28th meeting, the Board of Directors voted to ask the membership to approve the following change in the NPSO bylaws. (See enclosed ballot.)

### Article 3 -- Membership

The existing Section 1. -- Membership in this Society shall be open to all persons, families or groups interested in the native plants of Oregon. Membership shall be conferred in two ways: 1. upon written application to the State Membership Chairman, accompanied by remittance for dues, as hereinafter provided, or 2. as a member of a chapter as outlined under Article 9. All paid up members of Oregon chapters are automatically members of the Native Plant Society of Oregon. Membership classifications shall be set and revised as needed by the Board of Directors.

To be replaced by this new Section 1. -- Eligibility and Categories of Membership: Membership in NPSO shall be open to all persons, families or groups interested in the native plants of Oregon. There shall be two classes of membership, Regular and Honorary. Regular members are those who pay dues -- as hereinafter provided [Article 5] -- directly to the State Membership Chairman, or to a chapter treasurer as describe in Article 9. All paid up members of chapters are members of NPSO. Honorary members are those upon whom the Board of Directors confers membership without payment of dues, for a fixed term or for life, in recognition of a noteworthy contribution to botany or to NPSO.

Sections 2 and 3 are unchanged.

Section 2. -- Right of Members to Vote: Each membership shall be entitled to one (1) vote on any question requiring a vote of the membership of the corporation, except for participants in family memberships. Each family membership shall be entitled to a maximum of two votes. The right of a group member to vote shall be exercised by an individual designated in writing as the official delegate for that group. (A group means any affiliated organization other than a chapter.)

Section 3. -- Use of the Society's Name: No member may speak for, or in the name of, the Society, without authorization by the Board of Directors

Add new sections 4 and 5.

Section 4. -- Termination of Membership: The Board of Directors may terminate any NPSO membership upon finding, by resolution, that a member has acted contrary to the purposes of NPSO, violated NPSO policies as established by the Board, or used the name of or identification with NPSO (or any of its chapters) without authority and contrary to NPSO policies as established by the Board. Anyone who believes that any NPSO membership shall be terminated shall transmit to the Board of Directors a written request including a statement of the facts and circumstances supporting the request.

Section 5. -- NPSO Fellows. The Board of Directors may from time to time confer the honor of NPSO Fellow upon any member in recognition of outstanding service to NPSO and its purposes.

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This amendment answers several concerns recently brought before the Board. One is the question of how to deal with a member who violates the bylaws or policies of NPSO. Examples could include unauthorized political advocacy or action in the Society's name; violation of the NPSO guidelines for collecting (especially during field trip participation); or commercial dealing in threatened and endangered species. It is anticipated that counseling would continue to be the first means of problem resolution, with termination of membership being only a last resort.

Another question is honoring members and non-members who make outstanding contributions to NPSO or the purposes NPSO promotes. Many organizations have provision for honorary memberships. The concept of "NPSO Fellow" has been borrowed from the California Native Plant Society.

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## NPSO Awards Grant To "Plant Hunters"

The Native Plant Society of Oregon has awarded a grant of \$500 to a book-in-progress with the working title "Plant Hunters of the Pacific Northwest," a group effort to write the botanical history of Washington, Oregon, British Columbia, Idaho and Montana from 1790 to 1970. At its January 28 meeting, The NPSO state board responded to a proposal from the editors in chief of the project, Professor Emeritus Arthur R. Kruckeberg of the University of Washington and his former student, Dr. Rhoda Love of Eugene. The project has been under way for several years, and a good deal of progress has been made. The University of Washington Press has awarded a contract and asked for a draft manuscript by this April. Editors for each of the four states and one Canadian province have been chosen, and a large stable of contributors from throughout the region are busy writing.

Here in Oregon, some of the writers are: Robert Clark working on Lewis and Clark (no relation), Ed Alverson on David Douglas, John Christy on the bryologists, Mildred Detling and LeRoy Detling, Stu Garrett on Newberry, Claire Johnson on Tolmie, Marge Ettinger and Susan Harless on collectors of the Warm Spring Reservation, Susan Kephart on Peck, Frank Lang on Applegate and Jeffrey, Robin and Ken Lodewick on Penstemons, Carolyn Wright on Cusick, David Wagner on Howell, Henderson and Gorman and Rhoda Love on Suksdorf and Sweetser. New writers are joining the group regularly, so if you have a favorite Oregon botanist, please get in touch with Art or me and join this exciting project. Art and I have put together a 10-page (and expanding ) Bibliography to help our writers locate primary and secondary sources. Besides writers, we could also use help in searching for appropriate early photos, drawings, letters, maps and other materials.

Art and I want to thank the NPSO for its generous grant to the "Plant Hunters" project, and look forward to hearing from any NPSO members who would like to join us.

Rhoda Love  
Emerald Chapter  
(503) 345-6241  
e-mail: rglove@oregon.uoregon.edu

## 1995 NPSO/ODA Conservation Biology Internships

During the 1995 field season, the Oregon Department of Agriculture and the Native Plant Society of Oregon will once again be sponsoring internships in plant conservation biology. This program, in effect since 1990, is intended to provide an initial research experience to individuals considering biology as a career choice. Open to anyone (except previous participants), priority will be given to life science (especially botany or biology) undergraduates, recent graduates, or individuals seriously thinking of a change in career orientation towards conservation.

We are recruiting for two full-time summer interns, who will each work approximately 16 weeks. We are especially interested in anyone who can be available by early May. Interns contribute field and/or laboratory assistance to ODA/OSU scientists working on one or several projects during the summer. Interns will work primarily in plant population demography and population monitoring (dealing with the sampling of permanent plots and rare species re-establishment), and possibly plant reproductive biology.

Interns receive a summer stipend of \$2000 in addition to a trip stipend of \$15 to \$25. Extensive field work (including overnight camping) will be required, so applicants should be in good physical condition. All activities will be coordinated out of Oregon State University in Corvallis, requiring interns to live in the mid-Willamette Valley.

The last day for receipt of internship application materials is April 10, 1995. If you would like to receive information on how to apply, or if you have any other questions, please contact:

Tom Kaye or Bob Meinke  
Department of Botany and Plant Pathology  
Cordley Hall 2082  
Oregon State University  
Corvallis, OR 97331  
(503) 737-2346/737-2317

## 1995 Annual Meeting June 16 - 18

The Portland Chapter invites you to the 1995 annual meeting at Brightwood, on the south side of Mount Hood. Overnight accommodations, meals, and food are available at many motels, campgrounds, restaurants and stores in Brightwood, Welches, Wemme, Zigzag, Rhododendron and Government Camp.

Three motels on US 26 are: Snowline (622-3137), The Oregon Ark (622-3121) and Shamrock (622-4911). An information packet including a map of the area and listings of other lodgings will be sent to each registrant.

Friday evening, exhibits and registration will be open at 5 P.M. at Mt. Hood Village in Brightwood. There will be a slide show program beginning at 7 P.M.

Saturday morning, field trips leave at 9 A.M. Meet behind the Thriftway store at Hoodland shopping center. At Mt. Hood Village, social hour begins at 5 P.M., followed by the banquet at 6:30 P.M. After dinner, new officers will be installed, and Dr. Linda Ann Vorobik will speak on "Assembling a state flora -- challenges of producing The Jepson Manual."

Sunday morning, the Board meeting will begin at 9 A.M. at Zigzag Ranger Station.

### SATURDAY FIELD TRIPS FOR THE 1995 NPSO ANNUAL MEETING

All field trips will leave from behind the Thriftway store, Saturday, June 17, 9 A.M.

Please note the described length of the field trips; some are half a day, others a full day. Take lunch and beverage. Please be prepared for weather, warm or cold; take rain gear, water, boots, good mosquito repellent and sun glasses.

**TRIP 1 - HIGH MEADOWS, HIGH PRAIRIE AREA:** Forest Service botanist, Sue Nugent, Hood River Ranger District, will lead us to a special transition zone which supports unique plants that have evolved from influences of the western Cascades as well as those of the eastern high desert area on the high ridges and meadows between east and west. This trip will provide sweeping views of the Cascade Mountains from its open oak and pine habitat. The elevation here is 4500 to

5000 feet. There will be time and ample opportunity to enjoy strolling through contiguous meadows or to hike south to the northern fringes of the Badger Wilderness. Driving distance: R.T. about 90 miles. Easy strolling and accessibility. **ALL DAY TRIP.**

**TRIP 2 - BOTANIZING BY CAR - HIGH DESERT:** Enjoy the high desert along Highway 26 toward Kaneetah. We plan to stop at choice botanizing areas along the way. Special wildflowers to enjoy might include *Calochortus macrocarpus* and *Antennaria dimorpha*. **ALL DAY TRIP.** About 100 mi. R.T. Leaders: Sara Barnum and Maxine Wilson.

**TRIP 3 - BALD MOUNTAIN PEAK:** This 2 to 3 mi. loop goes through a typical western Cascades forest providing an opening onto a high ridge and sweeping view of Mt. Hood looming above the Sandy. Special blooms could include *Gillia capitata* and *Castilleja hispida*. Elev. gain: 900 to 1000 ft. Driving distance: 60 mi. R.T. **HALF DAY TRIP.** Leader: Carroll Dubuar.

**TRIP 4 - HANGING GARDENS ON THE PACIFIC CREST TRAIL:** This is an easy 3 mi. walk north from Lolo Pass on open slopes into the forest where an almost level trail leads to a series of rocky cliffs covered with many species of native plants. You may enjoy spectacular displays of *Erythronium montanum*, *Penstemon rupicola*, *Castilleja*, *Crocidium multicauli* and many others. Driving distance under 40 mi. For those wishing to continue along the trail, *Erythronium* line it most of the way to Salvation Springs, about 2 and 1/2 mi. further north. Leaders: Louise Godfrey and Esther Kennedy. **HALF DAY TRIP.**

**TRIP 5 - MT. HOOD MEADOWS FROM UMBRELLA FALLS:** The season permitting, we will follow a way trail to Sahali Falls through a mixed conifer forest then continue climbing to subalpine displays of early summer plants in the large open mountain meadows. Flowers to anticipate include *Anemone occidentalis*, *Calochortus subalpinus*, *Caltha biflora*, *Ranunculus* sp. and many more. Elev. gain 800 to 1000 ft. Hiking distance about 7 mi. R.T. Driving distance about 80 mi. R.T. Leader: Heather Laub, Botanist, Mt. Hood Ranger District. **ALL DAY TRIP.**

**TRIP 6 - LITTLE CRATER MEADOWS:** This is a unique meadow with many interesting grasses and flowers where a tiny but intensely blue mini-lake attracts many visitors. The meandering stream winding through the wet land also supports

