

# Bulletin of the NATIVE PLANT SOCIETY of OREGON

To increase the knowledge of members and public in identification  
and conservation of the native plants of the Pacific Northwest

Volume 18 No. 12

December 1985

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\* \* \* \* \* I M P O R T A N T   N O T I C E \* \* \* \* \*

PLEASE DON'T FORGET TO RENEW !! If you haven't already done so, use the enclosed form to renew your NPSO membership for 1986. NPSO brings you field trips, classes, entertaining programs, and an informative monthly Bulletin. 1986 will be another important year for Oregon's native plants, with NPSO's involvement in several conservation efforts. NPSO needs your support--we hope you will stay with us. (NOTE: The 1/4 membership category only applies to the months October to December.)

\* \* \* \* \* N E W   E D I T O R \* \* \* \* \*

Beginning with the January, 1986 issue the NPSO Bulletin will have a new editor. Jan Anderson of the Portland Chapter has agreed to take on the responsibility. Jan, a medical technologist at Good Samaritan, is an active member of the Portland Chapter and has developed a special interest in Oregon's native plants over the years. She has already assisted with Bulletin production, so the transition should be easy.

In January I will be starting a Ph.D. program in botany at Oregon State and therefore I am resigning as NPSO Bulletin editor. My studies will focus on riparian vegetation ecology in eastern Oregon. It has been my pleasure to serve NPSO as Bulletin Editor these past six months and co-editor with Julie Kierstead earlier in the year. I will look forward to working with NPSO in new capacities, as time permits.

All new Bulletin copy is to be sent to the new editor:

Jan Anderson  
NPSO Bulletin, Editor  
1960 NW Lovejoy #2  
Portland, OR 97209

Please help Jan by submitting all articles on time by the 10th of each month.

Happy holidays! *Angie Evenden*, Bulletin Editor

## CHAPTER NEWS

### Blue Mountain

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For information about December activities, call Chapter President Bruce Barnes, 276-5547.

### Corvallis

9 Dec., Mon.

Meeting/Slide Party, 7:30 p.m. Orchard Court Community Center (Park on 35th St. between Jackson and Orchard..look for OSU Family Housing wooden sign and walk east down nearby wide driveway..community center is about 50 yards down driveway on left..entrance is to east). Dessert potluck and slide show. Bring 10 of your favorite slides, your favorite dessert and a coffee or tea cup. For more info call Tammy, 752-6170 (evenings).

## Emerald

9 Dec., Mon. Meeting, 8:00 p.m. Amazon Park Community Center, north craft building. Rhoda Love will give a presentation on WILDFLOWERS OF AUSTRALIA.

## High Desert

--- For information about December activities, call Chapter President Stu Garrett, 389-6981.

## Mid Columbia

--- Meeting, 7:30 p.m., Mosier School.

## North Coast

--- For information about December activities, call Chapter President Ingeborg Day, 368-5629.

## Portland

10 Dec., Tues. Meeting, 7:00 p.m. First Methodist Church, 1838 SW Jefferson. A program of slides presented by members of the Portland Chapter.

## Siskiyou

12 Dec., Thur Meeting, 7:30 p.m.. Science Building Rm. 171, SOSOC Campus, Ashland. Dr. Frank Lang will give a slide presentation on the vegetation of the Pine Forest Mountains of N.W. Nevada. The area south of Denio and north of Winnemucca is one of isolated basin and range and the only forest tree found on the granitic soil is the White Bark Pine. Also, Colleen Graham will give a presentation on the Bear Creek Greenway.

## Willamette Valley

--- No Meeting in December.

## Wm. Cusick

--- For information about December activities, call Andrew Kratz, 963-9358.

### NOMINATIONS ARE NOW OPEN. . .

for NPSO State officers and Board members. If you wish to serve your society at the state level, please give your name to the nominating committee chair; Susan Kofahl, P.O. Box 151, Mosier, OR 97040 (478-3576). Nominations must be complete by December 10; names of nominees will be published in the January Bulletin; elections will be held in March, 1986. See article in this issue on what being an officer involves.

### MARK YOUR CALENDARS NOW

Next year's NPSO annual meeting will be hosted by the Corvallis Chapter. The meeting dates are June 14th and 15th in Corvallis.

### HELLS CANYON LEGISLATION NEEDS SUPPORT

On October 29th, Senator Bob Packwood introduced a bill which would designate 300,000 acres of Wilderness in the Hells Canyon National Recreation Area (NRA), extend the Snake Wild and Scenic River 33 miles, and limit the amount of timber that may be removed from the Oregon portion of the NRA. The Hells Canyon area is considered second only to the Siskiyou Mountains in the Northwest for its many unusual plant species, specialized plant communities, and one-of-a-kind plant associations. This important legislation is endorsed by the NPSO. Please write a letter of support to Senators Hatfield and Packwood (Senate Office Bldg., Washington, D.C. 20510), and send copies to Congressmen AuCoin, Wyden and Weaver (House Office Bldg., Washington, D.C. 20515).



**LOOKING FOR GREAT  
HOLIDAY GIFT IDEAS?  
GIVE NPSO  
NOTE CARDS, POSTERS,  
T-SHIRTS**



#### COSTA RICA RAINFOREST CONTRIBUTIONS

Tropical rainforest conservation was the topic of an article in the October NPSO bulletin, and donations were requested for preservation of a particular transect in Costa Rica. One of our chapter members called to say that Oregon and Costa Rica were "sister states", and wouldn't it be great to pool NPSO member contributions as a special way to indicate Oregon's interest in her sister state?

I am volunteering to coordinate the effort. If you would like to contribute to NPSO's pooled donation, send your donation to the address listed below. I will collect all checks received until Dec. 31, and then will write a cover letter (subject to NPSO board approval) and mail the donations to the Organization for Tropical Studies. Checks should be made out to "Organization for Tropical Studies", and mark it "for the rainforest transect". Remember, these donations are tax-deductible..give yourself a break for the 1985 tax year, and do your bit for the fast disappearing rainforest!!

Send to:

Tammy Maurer  
139 NW 35th St  
Corvallis, OR 97330

I will report on the success of this effort in the February bulletin.

#### SANTAS CUPBOARD AT NPSO . . .

NPSO Notecards, Posters, and T-Shirts make great stocking stuffers and gifts. In addition you can feel good giving these knowing that the proceeds from NPSO sales are used to help protect Oregon's native flora.

**POSTERS.** The NPSO Wildflower Poster features stunning paintings of thirteen Oregon wildflowers. Included among the brightly-colored original paintings by Oregon artist Jay Wesley Miner are: cobra lily (*Darlingtonia californica*), yellow lady's slipper (*Cypripedium calceolus*), *Kalmiopsis* (*Kalmiopsis leachinana*), plus nine other beautiful and colorful species. This beautiful poster will brighten up a home, office, or classroom, and will help increase appreciation for Oregon's natural heritage. Poster size is 18"x24". To order by mail send \$4.95 for each poster and your name and address to: NPSO Wildflower Poster  
2370 Douglas Drive  
Eugene, OR 97405

Please make checks payable to NPSO.

**T-SHIRTS.** Treat yourself or a friend to a NPSO T-Shirt. Please note: long sleeved shirts in grey (M,L,XL), white (all sizes), or lavender (all sizes) have Julie Kierstead's *Opuntia polyacantha* design. Short sleeved shirts available: *Delphinium leucophaeum* (turquoise - M,L,XL) by Gaylee Goodrich; *Darlingtonia californica* (lavendar - all sizes) by Linda Vorobik; and *Opuntia polyacantha* (grey - S,L,XL). There are still a few white with green NPSO emblem (L) at \$6.95.

All shirts are preshrunk 100% cotton, men's sizes S, M, L, XL, except as noted. Short sleeve shirts are \$7 each; long sleeved \$10. Please include \$1 postage and indicate size, color, plus second choice if acceptable. Make checks payable to Emerald Chapter NPSO. Order by mail: Evelyn Everett  
4135 Alder St.  
Eugene, OR 97405

**NOTE CARDS.** A package of eight cards featuring four drawings of Oregon R/E plants by Gaylee Goodrich of the Emerald Chapter. Cards may be purchased from your chapter for \$2.50 or by mail for \$3.25 from:  
George Lewis  
8230 SW Cashmur Lane  
Portland, OR 97225  
Please make checks payable to Native Plant Society of Oregon.

#### ENDANGERED WILDFLOWERS CALENDAR

The 1986 Endangered Wildflowers Calendar is now available. This attractive wall calendar (8½ by 23" when open) features beautiful color photographs of endangered plants from all over the United States. A description of each endangered plant and the factors threatening it accompanies the photographs. The calendar may be purchased by mail at the retail price of \$6.95 including postage and handling. Orders with a check or money order made out to American Horticultural Society (AHS) for the amount of purchase may be mailed to: Wildflower Calendar, AHS, P.O. Box 288, Mount Vernon, VA 22121.

# LOOSE LEAVES

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## Conservation Notebook



Here's a conservation tale, told to me by NPSO member Veva Stansell, which could have ended in disaster but didn't thanks to Veva's vigilance and her politic way of finding a solution.

*Lilium occidentale*, a candidate for listing under the federal Endangered Species Act, has been declining steadily in numbers for over a century because of loss of its boggy habitat and because of predation by bulb fanciers (which is why I can't print specific locality information in the article). One place it still survives is a sphagnum bog near Brookings. Since this population is on public land, it was considered reasonably safe from development; and with information about the site on file with the State Parks Division of the Oregon State Highway Department, the future of the population seemed secure.

When Veva visited the bog in early July of 1984 to see about blooming times, all was well. But trouble was brewing. Her second visit, in mid-July, gave her a real shock--a strip of rock fill, apparently a road base, had been laid across the east side of the bog.

So Veva spoke with Dale Young, State Highway Maintenance Supervisor for the district. Mr. Young explained that he was not aware of the rare lily's existence there. He said the rock fill was for maintenance of water and sewer lines (beneath the fill) for a new housing development; the permit had been obtained from the State Highway Department in Salem. Mr. Young then talked to the contractor, Howard Cronk, whose firm was doing the work. Mr. Cronk phoned Veva to set up a meeting to work things out.

At the site, Veva and Mr. Cronk's foreman, Bob Ducat, discussed possible mitigation measures. Perhaps the drainage pattern could be reopened after the work was finished. Larry Anderson, owner of the development, agreed with Mr. Cronk that an effort should be made to repair the damage, and he suggested that a memo of this meeting and discussion be written and signed. This done, the sincerity of their good intentions was affirmed.

The site was next inspected by Jimmy Kagan, ecologist for The Nature Conservancy (and Conservation Chair for NPSO's Portland Chapter). Various methods of repair were considered, and all agreed that simply opening a ditch through the fill at the main drainage would be the best tactic. To try to remove a large quantity of fill could hurt more than it would help.

In July 1985 the drainage opening was made as promised. Appreciation is due Mr. Cronk and Mr. Anderson for their cooperative attitude. Mr. Young too deserves thanks for his help and advice.

Two questions remain unanswered. First, will the lily population weather the disturbance and extra traffic which occurred? Conditions have definitely been altered, but we can hope for the best. The count of blooming plants in 1985 surpassed that of the previous year. (Perhaps some were missed in 1984.) Except for those lilies actually covered by the fill, the population might benefit from the removal of some vegetation. Maybe plant succession will be slowed and the conditions necessary for survival of the lilies will last longer. It will be important to continue to monitor the site.



*Lilium occidentale*

Drawing from Abrams, L.  
Illustrated Flora of the  
Pacific States.

Second question: How can NPSO members prevent this kind of thing from happening again? Developer Larry Anderson, contractor Howard Cronk, and local State Highway Foreman Dale Young all said it wouldn't have happened if they had known the importance of the site. So this suggestion from Marge Ettinger, NPSO State Treasurer, seems apt: let's put a "plant patron" on the mailing list of every local planning department. Planning snafus can be corrected in the early stage of the planning process, with informed suggestions aimed at the right people, so that costly and time-consuming mitigation after the fact is unnecessary. Mitigation is reminiscent of fixing typos with white-out. It works OK, but you end up wishing you hadn't made the mistake in the first place.

Are there other ideas out there in NPSO-land? Let's hear 'em!

\* \* \*

Julie Kierstead  
State Conservation Chair

## IS YOUR NAME ON THIS LIST?

Is your name on the list below? If so, Rhoda Love, BUDGET COMMITTEE Chair needs to hear from you on or before December 15!

The Budget Committee, consisting of Rhoda and volunteers Dan Luoma and Esther McEvoy will meet during the 3rd week in December to hammer out the 1986 NPSO Budget which will be presented to the Board at the January 18 meeting in Portland.

The Budget Committee needs your ESTIMATED EXPENSES AND ESTIMATES OF POSSIBLE INCOME during the calendar year 1986.

(Here is a copy of this year's budget in case you have forgotten your present allotment.)

### INCOME (Estimated)

Balance brought forward	\$ 3,800
Membership Dues	7,000
Interest	400
Notecards	400
T-shirts	80
Posters	1,000
	<u>12,680</u>

### EXPENSES

Bulletin	\$ 2,900
Dues refunds (35%)	2,400
President's expenses	240
Membership chair	275
R/E chair	400
Legislative chair	400
ONRC	100
Annual meeting	100
Treasurer	60
State of OR (non-profit)	30
Board and Committee	100
Conservation chair	200
Poster	3,000
3 Sisters Wilderness Flora Update	500
Secretary	60
Desert Wilderness plant surveys	200
	<u>10,965</u>

Here are some of the folks from whom we want to hear. (If your name does not appear below, but you think you or your committee will spend or make money for NPSO during 1986, please send your estimates to Rhoda.)

Frank Lang (President's expenses), Susan Kofahl (Nominating Committee expenses), Florence Ebeling (Secretary's expenses), Marj Ettinger (Treasurer's expenses, and estimated annual NPSO income and expenditures), Jean Siddall (R & E Committee expenses), Julie Kierstead

(Conservation Committee, flyer, symposium, expenses, donations and other suggested items), Esther McEvoy (Legislative Committee, flyer, slide show expenses), Barbara Fox (Desert Wilderness expenses including trips to desert study areas), Tammy Maurer (annual meeting expenses), George Lewis (notecard income), Alan Curtis (poster income), Evelyn Everett (T-shirt income, expenses), Mary Falconer (membership income and expenses), Angie Evendon (Bulletin expenses), Susan Kephart (roster expenses). Whom and what have I forgotten?

The Budget Committee has no budget (!) so we cannot afford to call each one of you, so PLEASE write or call your budget items to Rhoda Love, 393 Ful Vue Drive, Eugene 97405, 345-6241. Why not do it RIGHT NOW before you get caught up in holiday activities? Thanks.

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### WILDFLOWER HAVEN FOR SALE

The hilltop adjacent to the Tom McCall Preserve and Mayer State Park, near Mosier in the Columbia Gorge, is for sale. This is a grand opportunity for Oregonians to acquire park land in one of the best-loved and most spectacular wildflower havens in Oregon. We are trying to persuade the Oregon State Parks Division to provide \$15,000 in matching funds to help with its purchase.

The hill is vegetated with oak copses (Quercus garryana), interlaced with large grassy openings and an abundance of wildflowers, including two Columbia Gorge endemics, Astragalus hoodianus and Lupinus latifolius var. thompsonianus, along with Frasera albicaulis, Penstemon glandulosus, Sedum leibergii, Clarkia gracilis, Clarkia quadrivulnera, and lemon-scented Madia citriodora. The hilltop is awash with balsamroot and lupine in early May.

There is now no hiking trail between Hood River and The Dalles, according to Russ Jolley of NPSO and Barbara Robinson, Land Steward for The Nature Conservancy's Tom McCall Preserve at Rowena. Purchase of the hill would clear the way for creation of a 1½ mile trail from Mayer Viewpoint south to the top of the hill.

If this part of the Gorge is important to you, please write to Mr. David Talbot, State Parks Administrator, 525 Trade St. SE, Salem, 97310; and ask him for State Parks Division help, in the form of matching funds, for the purchase of this valuable and well-situated property.

Julie Kierstead  
State conservation chair

## NPSO JOINS PORT ORFORD CEDAR PROTECTION FIGHT

At the NPSO board meeting on October 26, 1985, this resolution regarding Port Orford cedar (Chamaecyparis lawsoniana) was introduced by state conservation chair Julie Kierstead:

BE IT RESOLVED THAT NPSO IS CONCERNED ABOUT THE THREAT TO PORT ORFORD CEDAR POSED BY SPREAD OF PHYTOPHTHORA LATERALIS (ROOT ROT). WE URGE THE U.S. FOREST SERVICE TO TAKE SWIFT ACTION TO CONTROL THIS DISEASE BY ADOPTING AN INTER-REGIONAL POLICY OF PORT ORFORD CEDAR MANAGEMENT TO CONTAIN THE DISEASE AND TO SANITIZE INFESTED AREAS, IN ORDER TO PRESERVE THE GENETIC VARIABILITY OF PORT ORFORD CEDAR AND TO ASSURE ITS LONG-TERM SURVIVAL IN THE WILD AND IN COMMERCE.

The resolution will be voted on at the next board meeting. The board did decide at the October meeting to support the Oregon Natural Resources Council in its effort to persuade the U.S. Forest Service to formulate an overall management policy for Port Orford cedar (our vote was to support ONRC's efforts in the administrative arena, up to and including an appeal to the Chief of the U.S. Forest Service).

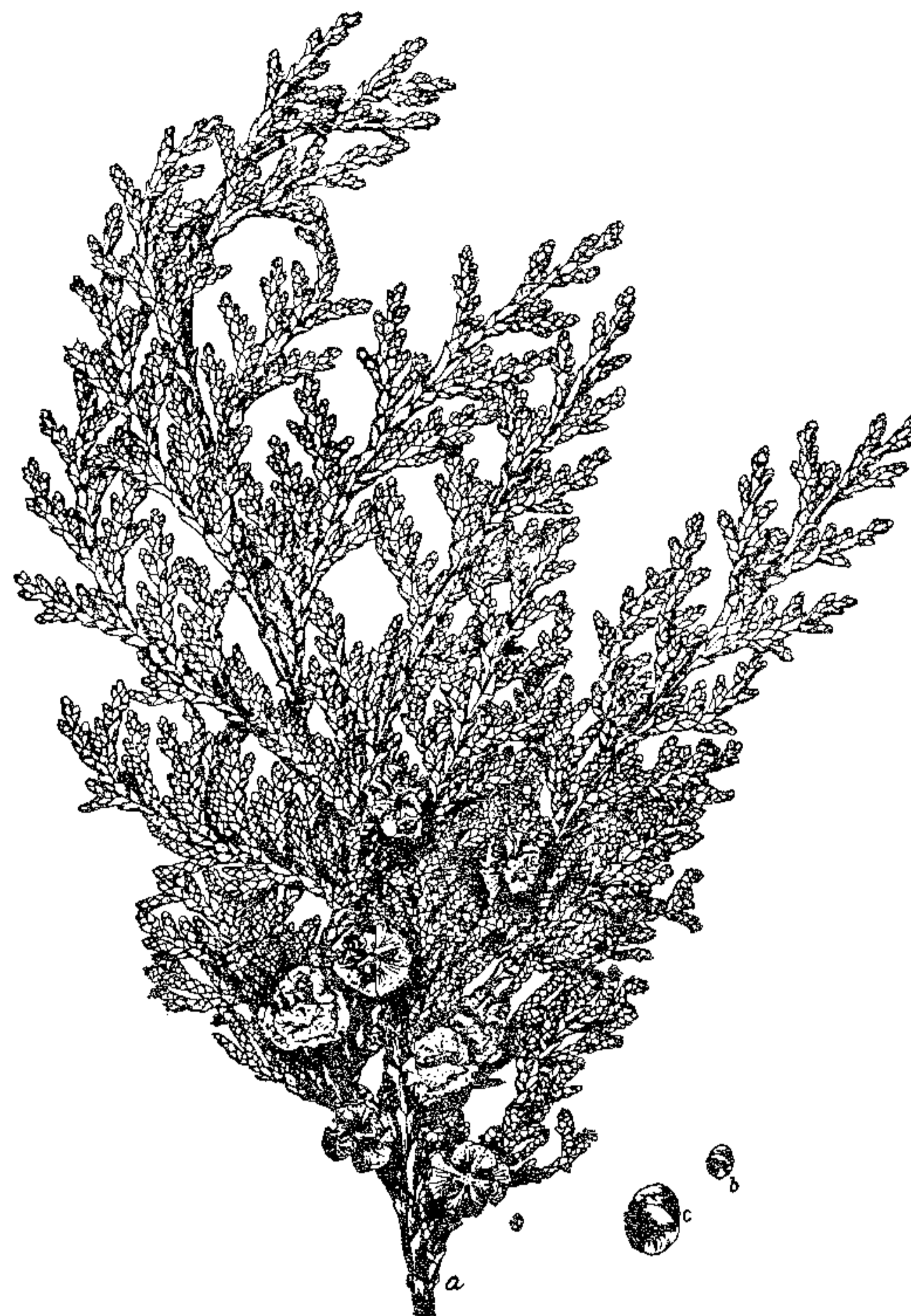
The issue is clear-cut, though a certain amount of background information has to be assimilated in order to understand what is at stake. The most important thing to know is how the root rot works. The following synopsis of the biology of Phytophthora lateralis was written by Steve Suagee of the Western Natural Resources Law Clinic at the University of Oregon:

P. lateralis is a fungus that can live in the soil and thereby invade the root systems of Port Orford cedar. Once it has invaded the root walls, it advances toward the main stem, killing root tissue as it goes. When it reaches the root collar, it girdles the trunk, thereby cutting off the flow of water and nutrients to the foliage above. Once girdled, a large tree dies within four years; smaller trees within a few weeks. The disease is always fatal; thus the only way to protect healthy Port Orford cedar is to prevent the spread of P. lateralis.

The fungus produces two kinds of spores, which enable it to spread in several different ways. It can produce motile zoospores, which depart from an infested root system and swim through groundwater until they contact another root system. These zoospores can also drain into streams and thereby travel many miles before washing ashore to infect streamside stands of cedar. Indeed, many infections begin this way. It is even possible for the fungus to travel upslope from infected streamside stands via direct root contact (the zoospores do not swim uphill).

Hot, dry soil conditions inhibit zoospore production and trigger the production of chlamydospores, non-motile resting spores that can survive in the soil even without the host. Moisture and mild temperatures (below 70° F) cause the chlamydospores to germinate and invade host root systems. It is uncertain how long the chlamydospores can live in the soil without a host (estimates vary from two to five years).

Disturbances of soil that contains chlamydospores facilitates spread of the disease. Contaminated mud can of course stick to construction and logging equipment, other vehicles, hiking boots, hand tools, the hooves



*Chamaecyparis lawsoniana*

Drawing from Sudworth, Forest Trees of the Pacific Slope.

of cattle and wildlife, and so forth. In this way, the disease can readily cross timbershed and drainage boundaries and infest previously uncontaminated areas miles away from the nearest infested host. For instance, a log truck that was contaminated at an export yard might enter an uninfested drainage (note: Because Port Orford cedar has been declared "surplus to U.S. needs" by the Secretary of Agriculture, raw logs can be exported. The raw logs are often hauled directly from the harvest unit to an export yard. Here the trucks line up for weighing and scaling, drive through puddles, and are generally free to intermingle. Some observers believe that export yards are a major factor in spreading the disease into uncontaminated drainages. Once the contaminated truck enters such a drainage, the fungus is deposited at different sites on the unit or along the road. As it invades the roots of roadside cedars, it produces the motile zoospores, which infest the slope below the road and eventually enter any watercourse at the bottom.

As more of the cedar's range becomes contaminated, more of the older, commercially valuable trees die off. After these areas are salvage-logged, they are difficult to manage for production, and Port Orford cedars allowed to regenerate on these sites generally die. Thus, the available range for production of Port Orford cedar is perpetually shrinking.

Spread of the disease: Root rot apparently came to the U.S. in 1923, when infected nursery stock was imported from France to Seattle. The fungus that causes the rot

A SUMMARY OF LEADERSHIP POSITIONS - PLEASE CONSIDER SERVING NPSO

WHAT IS THE GOVERNING BODY OF THE NATIVE PLANT SOCIETY OF OREGON?

Composition

*Elected Positions*

Four statewide officers: President, Vice-President, Secretary, and Treasurer.

Immediate Past President

Six Directors-at-large

Presidents of all affiliated local chapters

*Appointed Positions*

State Conservation Chair

State Legislative Chair

State Membership Chair

R/E Chair

Bulletin Editor

Description of Duties for Elected Positions

*President*

Presides at Board Meetings which are held three times a year, and any other general membership meeting as may be called for. This includes gathering and organizing agenda items. Acts as spokesperson for the Society. Handles various telephoning and correspondence according to need. Current President estimates time spent in an average month on Society business to be approximately eight hours. Serves one-year term.

*Vice-President*

Presides at meetings in the President's absence, and performs additional functions as required. Minimal telephoning and correspondence. Current Vice-President estimates less than two hours per month average spent on Society business. Serves one year.

*Secretary*

Keeps minutes during all meetings of the Board and any statewide membership meetings. Also prepares other directives, documents, or correspondence as are needed and authorized by the Board or President. Current Secretary states she spends about eight hours after each Board Meeting organizing the minutes in report form for the next meeting and in brief summary for the next issue of the Bulletin. Serves one-year term.

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OREGON'S NATURAL HERITAGE ADVISORY COUNCIL

The Natural Heritage Advisory Council (NHAC) is a body set up by state law to advise the Oregon State Land Board\*, and mandated to conserve valuable ecological resources. There are fourteen council members, nine of which are appointed by the Governor and confirmed by the Senate. Five of these are citizen-at-large positions, and four are reserved for scientists. Five additional members sit on the council: one representative each from the Land Board, State Fish & Wildlife Dept., State Board of Higher Education, State Board of Forestry, and the Oregon Transportation Commission. NHAC meets four times a year in Salem, and advises the Land Board\* on acquisition and management of natural area preserves.

Appointees to NHAC serve four-year terms and take office in July following their appointments. Present members of the Council are Ellen Benedict, Richard

*Treasurer*

Maintains accounts of the Society's transactions. Makes deposits as well as disburses funds as ordered by the Board. Remits portion of membership dues to local chapter treasurers. Makes periodic maintenance payments to the Bulletin. Accepts and records funds from the Poster and Notecard promotions. Arranges for audits as required for State charitable tax status and for the annual Statewide Meeting. Prepares reports for each Board Meeting. Current Treasurer estimates her time commitment about two to three hours each month for each Board Meeting. Current Treasurer estimates her time commitment to be two to three hours each month with slight increase around the annual Statewide Meeting. Serve one-year term.

*Board Members - Directors-at-Large*

Attend Board Meetings; provide input, vote on issues of concern. Three new directors are elected every year to serve two year terms. Travel and attendance at board meetings require about three days time per year.

*It should be emphasized that the amount of time spent in any officer capacity is most dependent upon the individual's own interest level and time frames rather than any rigid structure or formal expectations.*

Nomination and Election Timeline

Nominating Committee members canvas their local memberships for willing candidates prior to December 1st. Preliminary slate of candidates presented in January Bulletin. Amended slate of candidates (include additional candidates as well as brief capsule resume of each candidate) presented in February Bulletin.

Official voting ballot goes to the membership in the March Bulletin. Votes to be returned by April 1st and counted by Ballot Committee. New officers installed at the annual Statewide Meeting. In 1986 this will be held June 14th and 15th in Corvallis.

*Susan Kofahl*

*Nominating Committee Chair*

Craiger, Deborah Davis, Jefferson Gonor, Dayton Hyde, Yvonne Knouse, Otis Swisher, Caryn Throop, and David Wagner. There will be several openings on the Council in early 1986, and I encourage any interested NPSO members to apply by writing to Governor Victor Atiyeh and volunteering to serve. (The Governor's address is: Office of the Governor, State Capitol, Salem, OR 97310.) Applicants are asked to apply three months before a vacancy is expected to occur, so if you are interested, do it soon. Former NPSO President Rhoda Love has volunteered to fill one of the scientist's positions when a vacancy occurs. Other Bulletin readers--citizens and scientists--are encouraged to follow suit. For more information about the Council, call the Division of State Lands in Salem, 378-3805.

Julie Kierstead  
State Conservation Chair

\*The State Land Board comprises the Governor, Secretary of State, and State Treasurer

NPSO BOARD MEETING HELD IN EUGENE

The board meeting was well attended by the western half of the state. Unfortunately distance makes it difficult for the far east chapters to attend.

The treasurer reported the organization is solvent with \$5,169 in assets.

Alan Curtis, who is in charge of poster sales, said sale of posters was better than expected. A total of \$2580.50 was invested in 1986 posters. Sales amount to \$1592 with expenses taking \$225.

Julie Kierstead ended her term as editor in July. Angie Evenden will serve as editor until January at which time Jan Anderson will take over the Bulletin editorship. Cost for each Bulletin is now 30¢ - up from 26¢ in January of 1985. Costs could be reduced a bit if all contributors would meet the deadline and thus eliminate the need for telephone calls. Articles to publish are needed, the editor has little backlog.

Dave Wagner has completed the survey of plants of the Three Sisters area. A check list is available at a small cost.

The Conservation Committee, formerly chaired by Rhoda Love and now by Julie Kierstead, submitted an impressive list of efforts and accomplishments, most of which you have read about in the Bulletin. The report on Sidalcea nelsoniana is not as positive as we had hoped. Fear was expressed that the Fish and Wildlife Service would get an edited report of conditions so complete protection would not be assured. Willamette Valley Chapter has done a lot of work on this problem.

Esther McEvoy and her legislative committee have been hard at work. At present they are investigating the legislative activities of other organizations. The next step will be to study existing statutes. Other organizations such as Audubon will have to be involved to get protection for small animals.

The committee for Rare and Endangered Plants sent out review lists to chapters in the spring so that the rare and endangered species could be visited and reports made as to their condition. Not all reports have been returned. While some Portland Chapter members work regularly in the R/E office there is need for more volunteers.

Barbara Fox, who heads the Desert Wilderness Committee, and Julie Kierstead submitted NPSO's written testimony on the Draft Environmental Impact Statement for Oregon's Wilderness Study Area. Barbara would like NPSO members to keep pressure on the BLM to hire additional botanists for the eastern part of Oregon. Vale is a critical area. Financial support of \$100 each was approved for the south-

eastern field director of ONRC and the Wilderness Society.

The nominations committee will be headed by Susan Kofahl. Job descriptions of officer duties will appear in the Bulletin (this issue!). Please do not make it difficult for the nominating committee, consider filling a state office.

The returned ballots from the recent poll indicate that Dr. Frank Lang is duly elected as President of NPSO.

The cottage industry of foraging for certain native plants for the herb market is causing concern. The Board felt NPSO should exert pressure for guidelines and monitoring to check for destruction of habitat and for decline of the species.

Grave concern for the future of Port Orford Cedar, due to root rot, prompted Julie Kierstead to submit a resolution that urged a management plan to insure the survival of the species (see article this issue). NPSO will support the Oregon Natural Resource Council in an Administrative Appeal to look into the status of Port Orford Cedar.

The next annual meeting will be hosted by the Corvallis Chapter, June 14 and 15, 1986.

A new brochure was developed by Esther McEvoy for use at the recent R/E Symposium. It has been studied and suggestions made for improvement. This brochure will be used to promote education and legislation. Esther is also planning to develop a short slide show for the same purpose.

Carolyn Wright feels that the BLM is not following existing regulations when it allows grazing of the Mickey Basin Research Natural Area. She hopes to get a portion of the area fenced in order to show the effect of grazing.

Malheur Field Station Consortium is in need of financial support. NPSO feels that this is an excellent educational facility and is deserving of support. More information will be available later.

The desire for a new membership directory was expressed at the meeting.

Rhoda Love brought to the attention of the board members that NPSO would be twenty-five years old in 1986, and suggested that we build on this theme in the coming year.

The next regular board meeting will be held in Portland on January 18, 1986.

Submitted by *Florence Ebeling*  
NPSO Secretary



## BLM DESERT WILDERNESS

NPSO people interested in BLM Desert Wilderness have a number of concerns about the immense area of land that has been identified in the past by BLM for possible designation as wilderness. The major concern is the lack of field surveys for Rare, Endangered and Threatened plants and plant communities. BLM has little field data on many of these lands, with the Vale District being the least known botanically. NPSO members can help with the problem of field surveys in several ways:

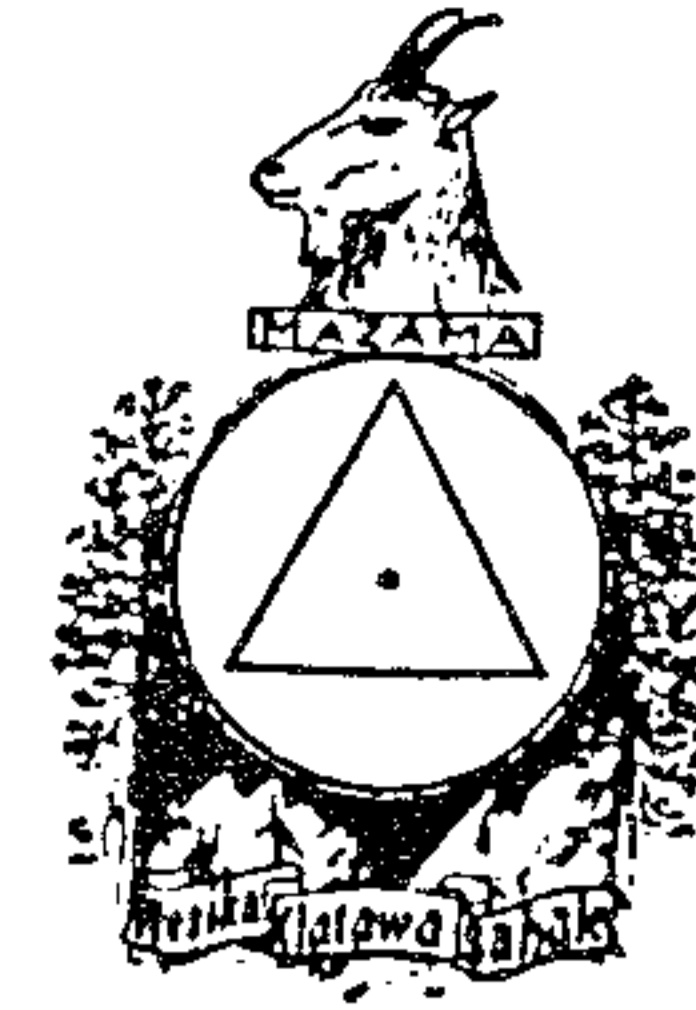
1) Write BLM District Offices and the State Offices (addresses following), requesting that they hire full time botanists in each District, and that they assign the responsibilities of management of Critical Areas (ACEC), Research Natural Areas (RNA) and Outstanding Natural Areas (ONA), to botanical specialists.

2) Volunteer yourself to directly assist BLM staff in field surveys. Spend time in Wilderness Study Areas that interest you, and report findings of plants, communities, wildlife and other features to BLM staff.

3) Organize a field search project individually, or with others. Seek funding sources, such as clubs, individuals, and local scientific organizations.

The following describes one club in Oregon that sponsors outdoor research. If you know of other clubs and organizations that have similar funding programs, please contact Barbara Fox, 11455 SE 35th, Milwaukie, OR 97222, 659-2445, so we can publish this information to our members.

The Mazamas, a mountaineering club centered in the Portland area, has for some years sponsored research in the outdoor environment of the Northwest. Interested members should study the following summary of the Mazama grants and contact the Mazamas directly for information.



### MAZAMA RESEARCH GRANTS

**PROGRAM** The Mazamas provide grants to aid scholarly studies related primarily to the lasting and living features of the outdoors, especially in the Pacific Northwest, and to the interaction between people and their outdoors environment. Examples of supported projects are Vegetation of Baldy Mountain, Holocene Glacier Variations, Habitat of Coeur d'Alene Salamander, Fossil Floras of Oregon and Perception of Climbers on their Impact on Grand Teton National Park. Recently, additional funds have been set aside specially for the study of preservation of wilderness. Preference is given to projects of interest to the membership of the Mazamas.

**CONDITIONS OF AWARDS** (1) Applicants usually are affiliated with an educational institution. (2) Applicants need not be members of the Mazamas although slight preference is given to members. (3) Awards typically are \$500 to \$1000. (4) Nonallowable budget items include personal gear and institutional overhead. Equipment must become property of a sponsoring nonprofit organization. Travel \$0.20/mile, food \$8/day. All budget items need justification. (5) Within 12 months, the awardee must submit a progress report of the work supported by the Mazamas. It should include a 200 word summary suitable for publication in the Mazama annual journal and a black and white photograph if appropriate. (6) Mazama support should be acknowledged in all relevant publications.

**APPLICATION PROCEDURE** Applications must satisfy the Research Committee of the Mazamas that the project is scientifically sound, that it is within the competence of the applicant and that it is germane to the purpose of the research program. Submit NINE (9) complete typewritten copies of your application giving:  
1. Title of project, name, address, affiliation.  
2. A one paragraph abstract of the project.  
3. An explanation of what you plan to do, why you plan to do it, how you plan to do it and, if necessary, how the project fits within existing knowledge.  
4. The personal qualifications of the applicant, including education, work experience, and published work.  
5. A professional letter of reference (graduate students should supply a letter from their advisor).  
6. A budget (see above). List sources of other support.

**DEADLINE** Applications must be postmarked or received before December 31st. If at all possible, applicants will be notified before March 1st.

**INQUIRIES AND APPLICATIONS SHOULD BE DIRECTED TO** Research Committee, Mazamas, 909 NW 19th Avenue Portland OR, 97209.

The MAZAMAS is a mountaineering club organized on the summit of Mt. Hood in 1894. Purposes of the club are to explore mountains, to disseminate authoritative scientific information concerning them and to encourage the preservation of forests and other features of mountain scenery in their natural beauty.

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## NEW BOTANIST - BURNS BLM DISTRICT

The following is biographical information and a description of duties for Cheryl McCaffrey, the newly hired Botanist for the Burns BLM District Office. Cheryl holds a Master of Science in Plant Ecology from the Univ. of Georgia (1982). Her thesis work concerned germination and survival of a common aquatic herb under experimental conditions of flooding and sedimentation. She brings experience with vegetation from a variety of ecosystems from the arctic to cypress swamps. She has prepared vegetation maps with accompanying vegetation descriptions and species composition for such groups as The Nature Conservancy (Virginia Coast Reserve) and the Univ. of Georgia's Institute of Ecology (Okefenokee Swamp). In her most recent position at the BLM Alaska State Office she used wetland species and associations visible on aerial photos to determine the mean high water line to be shown on survey plats. This involved field work throughout most of Alaska.

Cheryl has been actively involved in Native Plant Societies in Georgia and Alaska, including a position as secretary and Board member for the latter. She maintains her membership in the Alaska Native Plant Society and has recently joined the Native Plant Society of Oregon. She is also a member of The Nature Conservancy and of the Ecological Society of America.

The Burns District Botanist position has staff responsibility for developing, evaluating and monitoring the endangered and threatened plant species program in eastern Oregon. The Botanist 1) maintains a data base on T&E plants (inventory) and their ecological characteristics to aid in predicting likely occurrences of sensitive plants, 2) prepares environmental assessments, 3) proposes mitigation measures towards protecting T&E species and their habitats, and, 4) trains personnel in recognition of sensitive species.

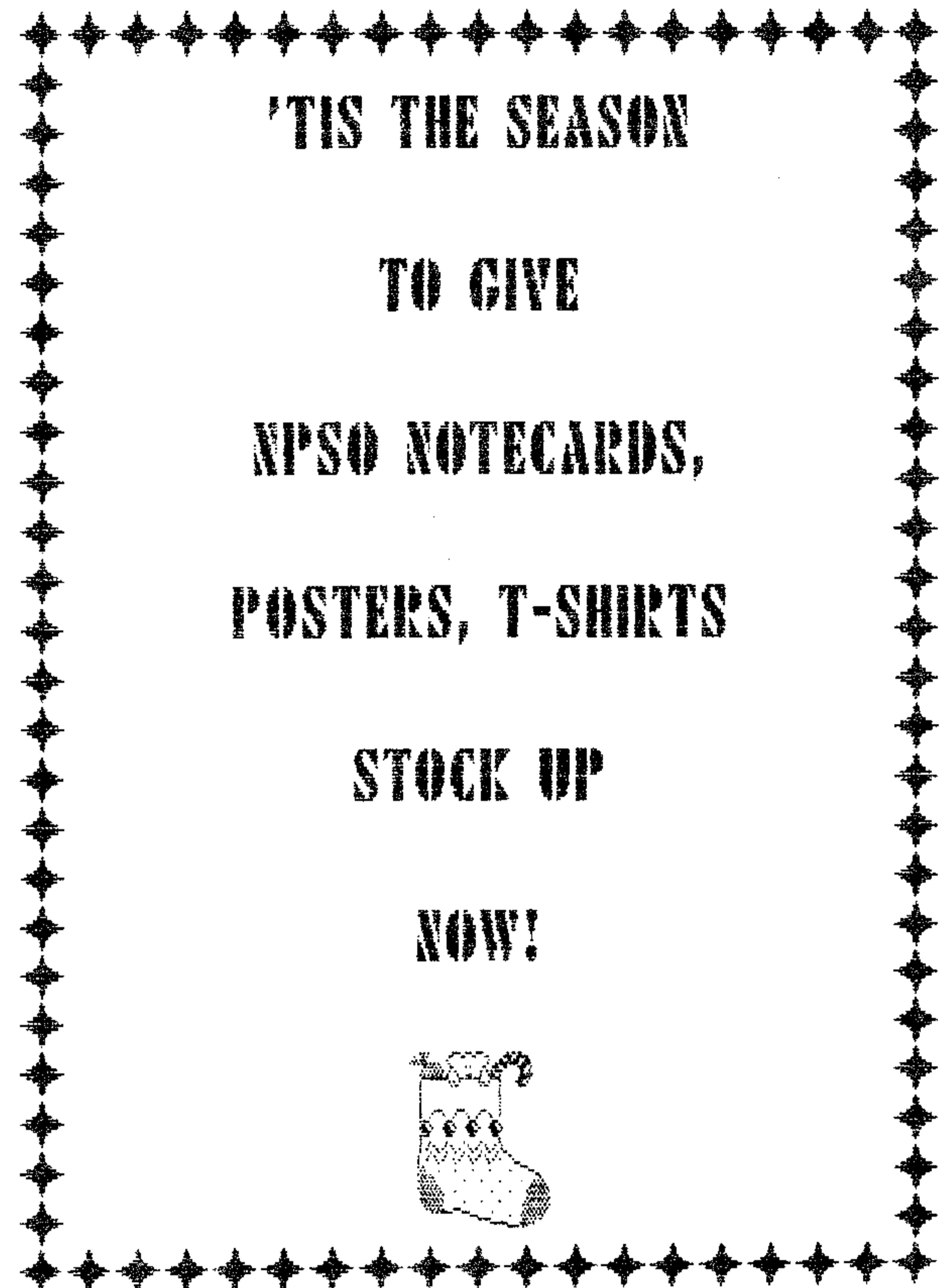
Cheryl looks forward to working with NPSO members.

*Continued from page 126*

was identified and given its taxonomic name in 1942. In 1952, the root rot was discovered at several locations near Coos Bay. Two years later, it was found to have spread seventy-five miles down the coast and twenty miles inland. By 1970 the disease had infested most of Port Orford cedar's natural range in Oregon. *P. lateralis* was not reported in California until 1980, when infestations were identified at six sites in the Gasquet Ranger District of Six Rivers National Forest, all of these within the Smith River drainage.

\* \* \*

What can be done? Since virtually all the natural range of Port Orford cedar lies in U.S. Forest Service hands, it is clear that the fate of this species rests squarely with that agency; and therefore the logical course is for the Forest Service to accept the responsibility for managing Port Orford cedar in a way that keeps it alive for a while yet. We'll keep you posted.



## TWO BLM DISTRICT MANAGERS NEWLY APPOINTED

New district managers have been named for the Prineville and Vale BLM districts in eastern Oregon.

James L. Hancock has been promoted to district manager in the Prineville district, and replaces Gerald D. Magnuson who recently retired. Most recently, Hancock has been associate district manager in Prineville. He came to that post in 1981 serving BLM for 16 years in Colorado, Oregon, New Mexico, and Washington, D.C.

William C. Calkins has been appointed district manager for the Vale district. He replaces Pearl Parker who recently retired from the Vale post. Calkins joined BLM in the headquarters office in Washington, D.C., working with minerals and energy there for six years after which he spent five years in BLM's Nevada state office in Reno, first as chief of the branch of environment and then chief of land use planning. Since 1981 he has been associate district manager in Las Vegas.

\* \* \* \* \*

*Public comments related to land management activities on the Prineville district or Vale district should be directed to these new managers.*

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 Membership in the Native Plant Society of Oregon is  
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 address (including old address & zip code) should be  
 sent to the membership chair.

BULLETIN

Editor . . . . . Angie Evenden  
 P.O. Box 9338, Portland, OR, 97207; 246-8646  
 Staff . . . . . Jan Anderson  
 The NPSO Bulletin is published monthly. Copy is due  
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 editor. News, articles, photos, drawings, & non-  
 copyrighted material are welcomed.

GUIDELINES FOR CONTRIBUTORS

The Bulletin is not typeset; therefore typed, camera-ready copy is much appreciated. But no submission will be rejected because it is not typed. Please proofread & check facts.

DEADLINE: 10th of each month

FORMAT: Copy should be typed in 4 1/4 inch wide columns, of any length. Author's name & chapter affiliation (or other organization) are typed at the end of the article. There is no standard paragraph treatment; one of these is suggested:

\* for long articles, double space between paragraphs, but do not indent the first word of the paragraph

\* for short articles or short paragraphs, when double spacing looks odd, indent the first word of the paragraph instead

Type your own headline, centered, all caps. In case of special formats, e.g. plant keys, you are free to choose the layout.

CREDITS: For each submission, provide

\* title

\* author--specify whether byline is desired for news items

\* instructions as to whether item is to be used in entirety or excerpted at editor's discretion

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ILLUSTRATIONS: black & white prints, ink drawings, woodcuts, halftones, et al. We welcome small doodles as well as larger efforts. Please give source & date, if not original.

SCIENTIFIC NAMES should follow Hitchcock & Cronquist's Flora of the Pacific Northwest where possible. Use of both scientific & common names is encouraged. Genus & species names are underlined or italicized.

RETURN OF ORIGINALS: Manuscripts & illustrations will not be returned unless it is requested.

The Bulletin is published as a service to NPSO members & the public. Your suggestions & comments are always welcome.

# # #

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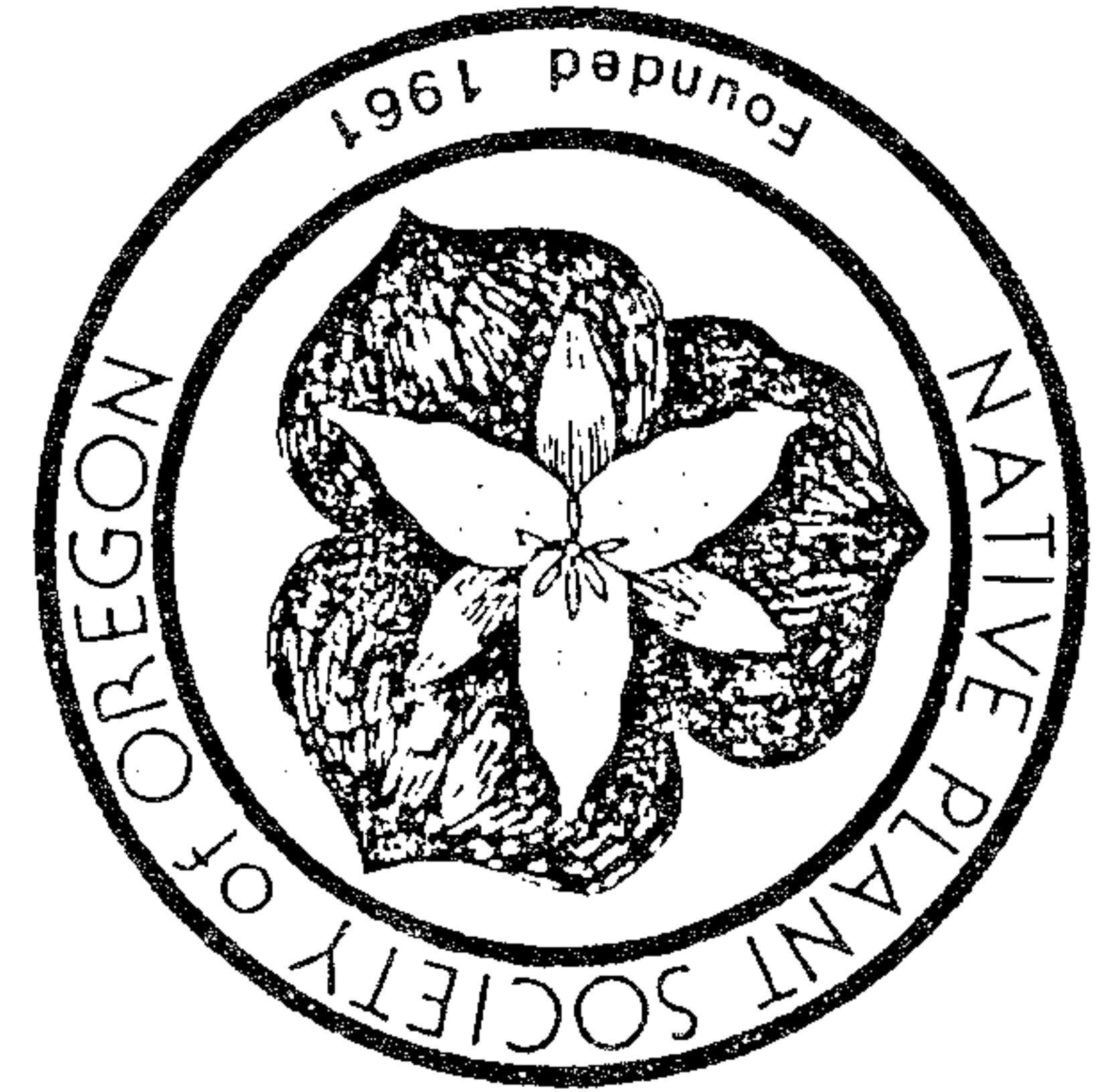
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