

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

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CHAPTER NEWS

IMPORTANT NOTICE TO FIELD TRIP PARTICIPANTS

Field trips will take place rain or shine so proper dress and footwear is essential. Trips may be strenuous and/or hazardous. Please contact the trip leader for information about difficulty, mileage and terrain. You participate at your own risk. Bring water and lunch.

Blue Mountain

In April, we will join the William Cusick Chapter for two field trips, to the Minam River and to Morgan Lake. See their announcements, or contact Rachel Sines (963-0674) or Bruce Barnes (276-5547) for details.

Sometime in May, date to be determined, we expect to take a field trip to the ecology preserve on the Hanford Reservation.

28 May, Sat.

Field trip to Frazer Campground (between Ukiah and LaGrande). Meet at the BMCC Greenhouse in Pendleton at 8:00 am, or at the Campground itself at 9:30 am. Leader is Karl Urban.

11 June, Sat.

Field trip to Olive Lake. Meet at BMCC Greenhouse at 7:30 am, or at the 395 Junction west of Ukiah at 8:30 am.

19 June, Sun.

Field trip to Skyline Drive. This is a long day's trip on a sometimes rough gravel road, from Jubilee Lake into Washington state. Meet at BMCC Greenhouse at 7:30 am, or at 8:30 am at the turnoff to Jubilee Lake in Tollgate. Leader is Bruce Barnes.

Corvallis

11 April, Mon.

Meeting, 7:30 pm, room 4080, Cordley Hall, OSU. Jon Diehl will give a slide show and talk titled: "Biological weed control and the native flora: impact of the cinnabar moth on Senecio triangularis."

Emerald

11 April, Mon.

Meeting, 7:30 pm, University of Oregon Herbarium. The Herbarium has been moved to a new location. Dave Wagner, Herbarium Director, will give a tour and information about the use, contents, and history of this special and new place for botanists past and present.

30 April, Sat.

Research trip to census a population of rare plants, Lomatium bradshawii, in the Fern Ridge area. Depart from SEHS at 10:00 am. BLM Botanist Peter Zika leads. Participants should inform leader of their attendance; call 687-6681 days, 896-3853 evenings and weekends before 9 pm. Expect mud and water.

High Desert

- 23 April, Sat. Field trip to The Island. This is a moderate 3 mile hike to a low elevation peninsula in the Cove Palisades State Park which has been essentially ungrazed. Meadow and sage steppe are predominant. The trail is rocky and steep in some areas and snakes have been seen. Leader: Stu Garrett (389-6981).
- 26 April, Tue. Meeting, 7:30 pm, Bend Senior Center, 1036 NE 5th St., Bend. For information, call Joyce Bork (389-5579).

Mid Columbia

- 6 April, Wed. Meeting, 7:30 pm, Pietro's Pizza Place, 3320 W 6th St., The Dalles. Cheryl McAffrey, BLM Botanist from Burns, will present program of "BLM Research Natural Areas in Eastern Oregon: Opportunities for Study." Slides will highlight botanical characteristics of Research Natural Areas and those aspects needing further study.
- 4 May, Wed. Meeting, 7:30 pm, Mosier School. "Ethnobotany in the Islands of the Western Pacific" will be presented by Bob Bevacqua, OSU horticulturist.

North Coast

- 7 April, Thurs. Meeting, 7:00 pm, State Office Building, 3600 3rd St., Tillamook. Discussion of the family Liliaceae. 1988 officers: Clara M. Fairfield, President; Sallie Jacobsen, Vice-President; Clarice Maxwell, Secretary-Treasurer. Election tonight.
- 23 April, Sat. Field Trip to Tryon Creek State Park and Camassia Preserve. Meet at Tillamook PUD parking lot, 9:00 am. For more information, call Clarice Maxwell (842-7023).
- 5 May, Thurs. Meeting, 7:00 pm, State Office Building, 3600 3rd St., Tillamook.

Portland

- 2 April, Sat. Field Trip to McCord Creek and Tanner Creek Falls. Meet at Park-and-Ride lot at Gateway MAX station. Leader, Dave Dobak (248-9242). Meet at 8:30 am.
- 9 April, Sat. Field Trip to Catherine Creek in Washington. Meet at Gateway MAX park-and-ride at 8:30 am, or Hood River Inn at 9:30 am. Leader, Louise Godfrey (223-4785).
- 12 April, Tue. Meeting, 7:00 pm, First United Methodist Church, 1838 SW Jefferson St., Portland. "Mysteries of the Monotropideae Revisited." Dan Luoma from OSU will present colorful slides and the latest information about the mycotrophic plants which are relatives to rhododendrons and huckleberries.
- 16 April, Sat. Field trip and work party at Camassia Preserve. Meet at Lloyd Center at 8:30 am, or at Camassia Preserve, near West Linn High School. Bring clippers, boots, gloves, lunch, water. Poison Oak may be a concern! For information, call 228-9561 or Charlene Holzwarth (284-3444).
- 23 April, Sat. Field Trip to 15 Mile Creek. Meet at Gateway MAX park-and-ride at 8:00 am. The drive is 2 hours. Leader: Rick Brown (222-1146).
- 30 April, Sat. Field Trip to Krista Thie property overlooking the White Salmon River. Meet at Lloyd Center (16th and Clackamas) at 8:00 am, or Bingen Winery at 9:30 am. Leader: Elizabeth Handler (244-5320).
- 7 May, Sat. Field trip to sand dunes in the Columbia River Gorge. Meet at Gateway MAX park-and-ride at 8:00 am. Leader: Russ Jolley.
- 14-15 May, Sat.-Sun. Flower Show.
- 28-30 May, Memorial Day Weekend. Field Trip to Lakeview Area. Meet at noon Saturday at the Safeway Store in Lakeview. Allow 8 hours driving time, at least. Leader: George Lewis (292-0415).

Siskiyou

14 April, Thurs.

Meeting, 7:30 pm, Room 171, Science Building, SOSOC. "The Native Hawaiian Flora, from the Seacoast to the Mountains," including a hike to one of the wettest places known on the Island of Maui where there is a truly unique vegetation. A slide show and presentation by Alan Curtis, former botanist at the Eugene District office of BLM.

Willamette Valley

2 April, Sat.

Field trip to Baskett Slough. Meet at South Salem K-Mart, 25th & Mission St., at 8:15 am. Leaders: Irma Bunnell and Frances Schaeffer. For information, call Wilbur Bluhm (393-2934).

18 April, Mon.

Meeting, 7:30 pm, First United Methodist Church, corner of SE Church and State Streets, Salem (use the Church St. entrance). Wilbur Bluhm will help us prepare for an excellent slate of field trips for the Annual NPSO Meeting (June 25) by giving a program on "The Flora of Silver Falls State Park and the Lower Cascades."

23 April, Sat.

Field trip to Oregon 4H center in Salem. Meet at South Salem K-Mart at 8:15 am. Leader: Wilbur Bluhm (393-2934).

Wm. Cusick

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For information, contact Rachel Sines (963-0674).

1988 NPSO ANNUAL MEETING — Silver Falls State Park

Please return the Registration Form, by May 15, with check payable to Willamette Valley Chapter NPSO. Mail to:

NPSO
P. O. Box 68
Salem, Oregon 97309

Please help by registering as soon as possible.

WHEN: June 24-26.

WHAT: The annual meeting is held to allow members from throughout the state to get acquainted. All members are encouraged to attend. Non-members are also welcomed.

The Friday social hour will begin at 8 p.m. with a game of plant-pictionary or Twenty Questions.

Saturday's agenda includes field trips during the day (9 a.m. to mid-afternoon), and a dinner banquet, followed by the installation of the newly-elected officers, awards, announcements, and a presentation by a special guest speaker, which is scheduled to begin at 8 p.m. The topic will be "Endangered Species at the State Level."

The state officers' board meeting will be held at 9 a.m. Sunday. Bob Meinke will give an informal report on implementation of Oregon's endangered plant legislation. General membership is welcome to attend.

WHERE: The Conference Center at Silver Falls State Park, 26 miles east of Salem on Highway 214. This is a lovely wooded setting within a park famous for spectacular waterfalls, fern-covered cliffs and slopes, and interesting geology.

An overnight stay after the banquet may be especially desirable because of the curving country road that leads through the Cascade foothills to the Conference Center. Recreational facilities abound at the Center: an outdoor swimming pool, volleyball court, horseshoes, bicycles, croquet, jogging trails, etc. Accommodations are double-occupancy rooms in 3-unit lodges, with shared bathrooms. Twin beds, and bed and bath linens are provided. Campsites with hookups are also available on a "first come, first served" basis (make individual arrangements). Meals will be served at the Conference Center dining hall. Field trip participants can order box lunches.

SEE ENCLOSED REGISTRATION FORM.

NEW MEETING PLACE FOR PORTLAND CHAPTER FIELD TRIPS

Because of construction on I-84, the 122nd Avenue entrance and exit will be closed this spring and summer. Portland Chapter Field Trips will no longer meet at the K-Mart.

Most trips will meet at the Park and Ride lot at the Gateway MAX Station.

From Portland on I-84, use the Halsey-Gateway exit, then south on 99th Avenue and west on Pacific Street.
 From The Gorge on I-84, use the I-205 Southbound exit, then...
 From anywhere on I-205, use the Glisan Street exit, then east on Glisan, then north on 99th Avenue and west on Pacific Street.

Leaving the meeting place, east on Pacific Street, south on 99th Avenue, west on Glisan Street, to the I-205 and I-84 freeway entrance.

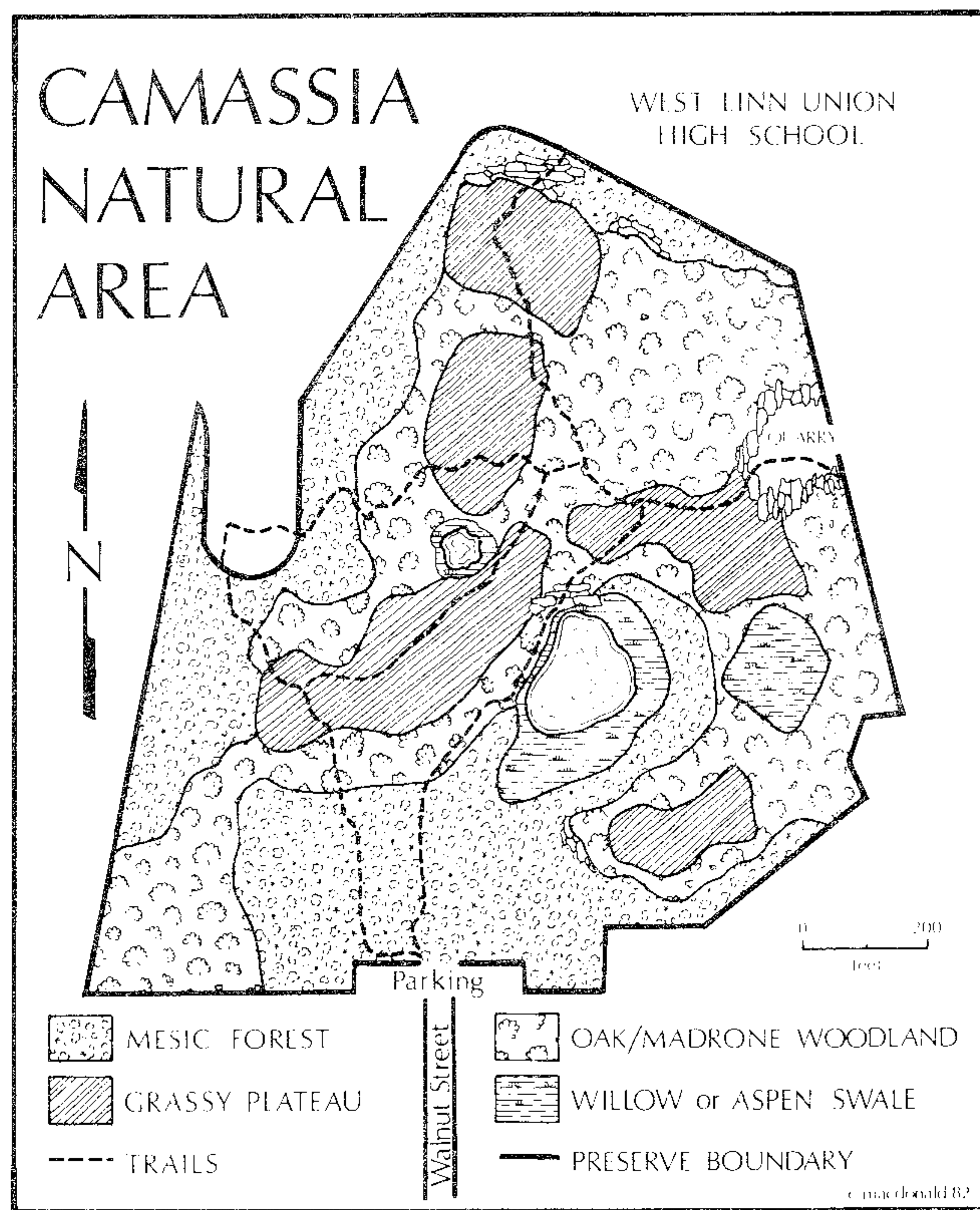
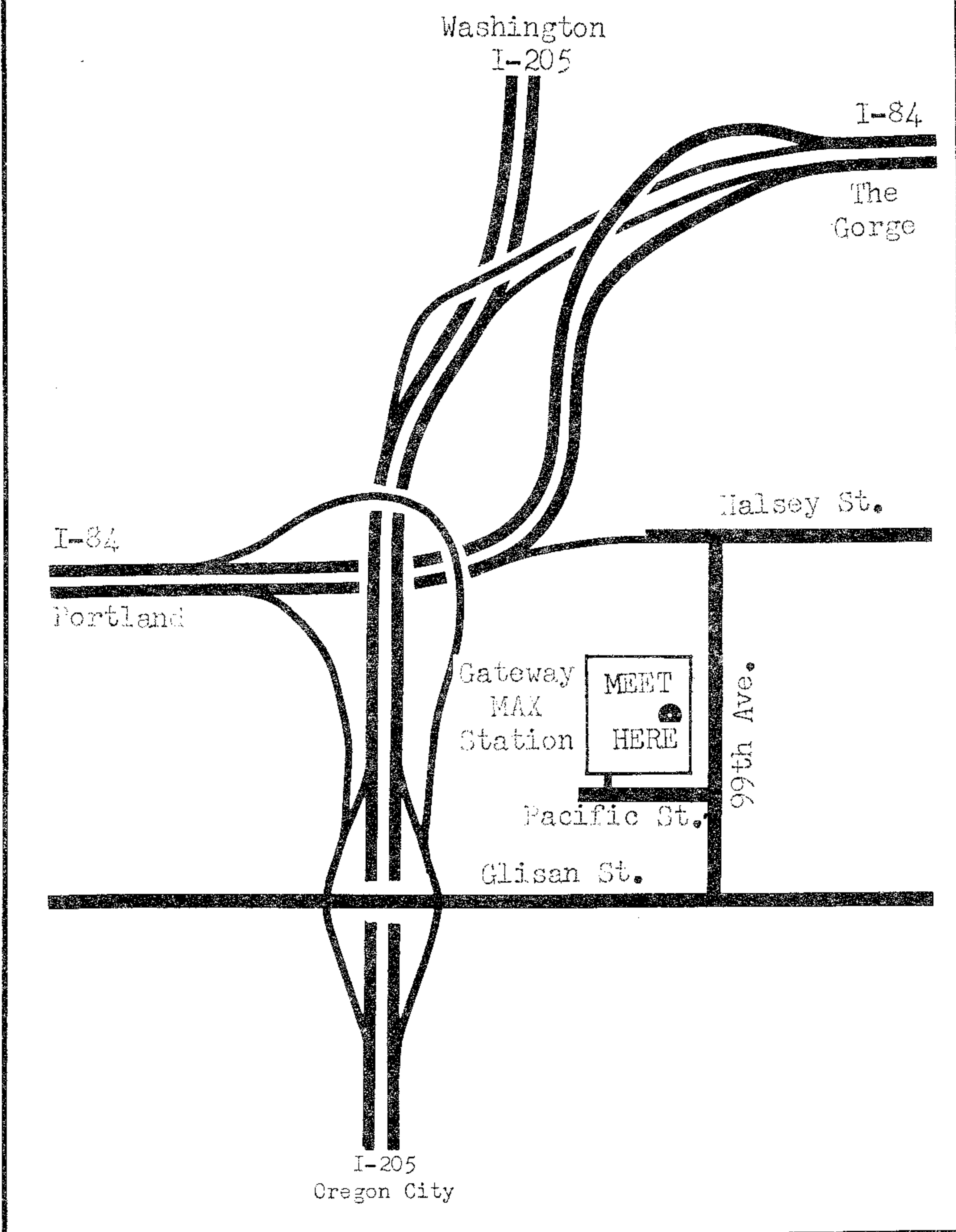
CAMASSIA NATURAL AREA -- THE NATURE CONSERVANCY

The Portland Chapter of NPSO has taken on the task of helping The Nature Conservancy maintain the Camassia Natural Area in West Linn. Members are asked to participate in scheduled projects, from time to time, and visits are suggested. Here are some of the features of the Area.

The diversity of plant life includes woodland of Oregon white oak, madrone, and douglas fir; wildflower meadows and rock gardens; maple and cottonwood forests; and willow and aspen swales and ponds. More than 300 species have been identified there, including many that are slowly disappearing from the Willamette Valley, such as Hall's aster, Willamette Valley bitter-creese, pale larkspur, and quaking aspen.

In mid to late April, the grassy plateaus are awash with the color of blooming Camassia quamash, Collinsia grandiflora, and Plectritis congesta. The maple-cottonwood forest hosts Erythronium oregonum, Trillium chloropetalum, Trillium ovatum, and Asarum caudatum. Rhus diversiloba is abundant, too!

The diversity of plant communities and habitats provides for a wide variety of wildlife on the preserve. Species such as the white-footed mouse, ringneck snake, Pacific tree frog, and the western gray squirrel can be seen on the preserve. Wood ducks sometimes use the ponds and it is common to see California quail, rufous hummingbirds, hairy woodpeckers, western bluebirds, golden crowned kinglets, and cedar waxwings flying overhead or nesting in the trees.



As you probably well know, the Draft Environmental Impact Statement (DEIS) for the Willamette National Forest, is available for public comment until May 16, 1988. The DEIS is overwhelming, even to someone trained in natural resources: it is well over 1,000 pages long, is housed in several weighty volumes, and is riddled with tables full of institutional acronyms such as MRVD, PAOT, MWFUD, PNV, SOMA, ad nauseum.

It is very important that conservationists and natural history lovers comment on the plan. At a recent planning meeting, Willamette National Forest personnel stated that they are hearing more from the timber industry than conservationists. The timber industry has a well-organized and systematic campaign favoring highest timber cuts to influence Willamette Forest planning. We must not sit aside and let federal decisions be dominated by one industry whose objectives are detrimental to true "multiple use" of YOUR national forest.

The Willamette National Forest has a 30-page booklet which summarizes the weighty DEIS, available if you call 687-6745 or write the Willamette National Forest Hdqts., P.O.Box 10607, in Eugene, 97440. Oregon Natural Resources Council (ONRC) and the Many Rivers Chapter of the Sierra Club has made some comments regarding the Willamette DEIS from a conservationist's perspective. The following summary incorporates some of ONRC's and the Sierra Club's concerns about the draft forest plan:

1) **The Forest Service's economic analyses are flawed.** They have failed to recognize and discuss the elasticity of bidding prices based on the economic reality of supply and demand. Also recent job losses in the timber industry are due to mill automation and overseas export of Oregon logs, not due to "preservationist" activities. This can be seen by recognizing that a 30% loss in timber-related jobs occurred while the cut levels were at an all time high.

2) **The Oregon timber industry makes up about 25% of Oregon's economy and is declining to 15%.** All other Oregonians including all non-timber economic interests make up 75% (soon to increase to 85%) of the state economy. Harvest of almost all the remaining old growth is not in interest of Oregon's long term economy. Tourism, outdoor recreation, services, and high technology are now the largest and fastest growing components of the Oregon economy.

3) **Over the last 100 years, over 90% of the state's virgin forest has been cut.** Most private tracts of forest have now been cut. The remaining old-growth stands are on Oregon's public lands. Under the Willamette National Forest's Preferred Alternative (Alternative J), over 165,000 acres of mostly old-growth forest will be clearcut in the next 15 years. This would mean that over two-thirds of the remaining roadless areas would be liquidated. The preferred alternative would increase the old-growth timber cut by 17% over the previous ten year average (and the timber industry is lobbying for a much higher cut)! Over 800 miles of new logging roads would be constructed.

4) Scientists from the Forest Service, BLM, and major research institutions around the world warn that **if the "fragmentation" of our national forests by roads and clearcuts continues, ecosystems are in danger of permanent destruction.** If current practices continue, we will lose biological diversity (including our forest plants), soils, water quality, fisheries, and wildlife (including the spotted owl, marbled murrelet), to name a few irreplaceable forest values.

5) **Some of the Forest Service scientific analyses are seriously flawed or inadequate.** The cumulative effects of hundreds of planned successive clearcuts and accompanying hundreds of miles of road building have not been adequately analyzed, or even addressed. The hydrological effects discussed in the draft EIS fail to acknowledge existing hydrological studies. "Old growth" is not adequately defined. The Forest Service lumps "mature" (trees over 100 years old, more than 21" in diameter) with "old-growth" (trees over 250 years old, more than 32" in diameter) in the draft EIS. This practice makes it appear there is more old-growth than actually exists.

The monitoring of botanical diversity is not adequately addressed. How will the Forest Service ensure us that all aspects of forest ecology (including equitable amounts of low elevation old growth forest communities and herbaceous diversity) are being studied and managed for?

The Forest Service includes in their timber producing lands the forested scenic highway corridors, public campgrounds, lakeshores etc. The timber on these areas goes into their sustained yield calculations; if they include these lands as timber producing lands, they plan on logging them or over-logging somewhere else to compensate for the lost timber production (The ONRC alternative takes this into account and removes these lands from the timber production base of the forest. The USFS Alternative C includes these lands in the timber producing base. This is the basic difference between these two alternatives).



Sisyrinchium douglasii

(Illustration from Hitchcock et al., *Flora of the Pacific Northwest*; used with permission from the publisher)

6) We have to speak up now; in a few short years it will be too late for our remaining old growth forests and natural diversity. There is a sharp concentration of timber sales directed at the remaining large diameter timber so that all mills may be converted to automated second growth trees. Old growth is used primarily by the timber industry to make pulp for paper and veneer for plywood--just as easily made from smaller second growth trees.

7) Many of the large chunks of roadless area frequently used by botanists, hikers, backpackers, cross-county skier, and fishermen are slated to be clearcut in the next 15 years. WE MUST BRING TO THE ATTENTION OF THE FOREST SERVICE THAT WE KNOW AND LOVE THESE AREAS!!! Pick an area you have visited or know of. Use the maps in the DEIS, check its proposed fate. Odds are, if its not already in a Wilderness area, its slated to be clearcut. The following roadless areas are slated to be all or at least partially clear cut if the USFS "preferred" alternative J is chosen:

Bull of the Woods, Opal Creek, and Elkhorn: These roadless areas contain some of the largest remaining contiguous stands of lower elevation old growth. Soil scientists have determined that nearly 80% of these areas have severe erosion potential (hence severe water quality and fisheries problems could occur if roaded and logged) and that over 40% is unsuitable for timber management.

Mt. Jefferson , Breitenbush: These roadless areas contain some of Oregon's most beautiful alpine areas. Adjacent to the Mt. Jeff Wilderness boundary, these areas are heavily used for recreation and include the Breitenbush Gorge, Devil's Ridge, Outerson Mtn, Woodpecker Ridge, Independence Rock, Marion Flats, Twin and Big Meadows.

Middle Santiam: This lower elevation old-growth forest is slated to be almost totally developed for clearcuts if Alternative J is selected. The Middle Santiam roadless area now offers wonderful hiking and x-c skiing. An extremely important area for native Chinook spawning, this watershed is one of the few Oregon rivers not stocked with hatchery fish. Unstable soils in this area make logging and roadbuilding extremely detrimental and costly. The Three Pyramids, Freezeout Creek and Swamp Peak are in this area.

Old Cascades: A diverse forest community, with over 17 species of conifer and spectacular wildflower areas are found in this roadless area. Jumpoff Joe Mtn., Echo Mtn., Moose Lake and Creek, Gordon Meadows, Browder Ridge, Menagerie and Twin Buttes are in this area that is targeted for clear cut logging.

Mt. Washington: Near Santiam Pass and Hoodoo, this popular area contains interesting volcanic areas, miles of cross-country skiing and hiking trails, and great camping. The old growth forests on western slopes of Mt. Washington and the Big Lake Valley are slated to be roaded and clearcut if the preferred alternative is selected.

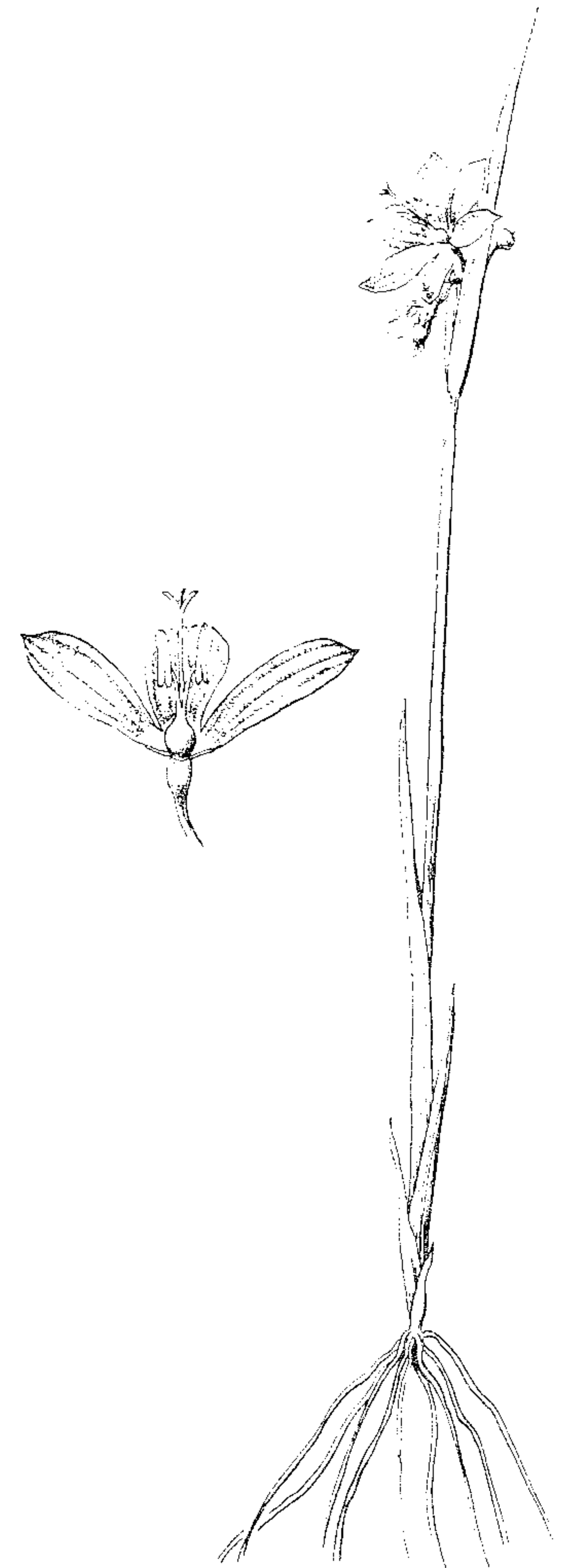
Three Sisters: The areas adjacent to the Three Sisters Wilderness have ecologically valuable remnants of low elevation old growth. Almost all these roadless areas are scheduled for roading and logging even though the DEIS notes severe surface run-off and erosion potential in these areas. Frog Camp, Gold Creek, Rainbow Falls, Mosquito Creek , French Pete, and Roaring River are among the roadless parcels slated to be cut.

Mt. Hagan: This area is particularly steep and susceptible to erosion, yet in the USFS preferred alternative J, over 80 percent of this over 9 square mile area is slated to be cut.

McLennen Mountain: This area, containing almost 14 square miles of old growth forest, is the headwaters for the McKenzie River and contains the popular Ollalie Ridge Trail. Over 90% of this area is slated to be developed for timber harvest in the next 15 years in Alternative J.

Chucksney Mountain: Over half of this 25 square mile roadless area will be roaded and developed for logging with alternative J. This popular hiking and fishing area has miles of trails and views of the Three Sisters and Waldo Lake area. The majority of the area has potential for severe surface erosion, and water quality degradation if logged and roaded.

Waldo Country: Almost 100 square miles of unprotected roadless area surround Waldo Lake, lauded by scientists as the world's purest lake. Hundreds of miles of trails wind through dense old-growth forest that contains rare plant species. Though recreational use of the area is high, the Forest Service Preferred Alternative would log and road the vast majority of this area including favorite areas such as Cornpatch, Many Prairies, Salmon Creek, Koch and Moolack Mtns., and Charleton Butte.



Sisyrrinchium inflatum

(Illustration from Hitchcock et al., *Flora of the Pacific Northwest*; used with permission from the publisher)

Hardesty Mountain: This six-plus square mile roadless area is Eugene-Springfield's "backyard wilderness". It contains low-elevation old growth, bear, cougar, and the spotted owl. Over half this area is slated for roading and clearcuts in Alternative J, the USFS preferred alternative.

Diamond Peak: Two square miles of the area adjacent to the northern Diamond Peak Wilderness are slated to become targets for roads and logging. Frequented by hikers and backpackers, this quiet area offers solitude, gently rolling old-growth forests, and spring-fed meadows and swamps.

Both the USFS Alternative C and the ONRC Alternative protect all these areas. All other alternatives, including the U.S. Forest Services preferred Alternative J severely threaten all these areas. The ONRC Alternative is not shown in the summary document, but is discussed in Chapter II, pages 21-27 in the huge draft Environmental Impact Statement.

NOTE: The USFS Preferred Alternative emphasizes roading and logging to an extent that is detrimental to other forest values. The National Forest Management Act of 1976 Congress mandated that each national forest give **balanced consideration to all uses of the forest.** One of the nine USFS alternatives allows such a high cut that it is illegal under sustained yield laws. Remember, virgin forests are multiple use; they foster tourism, fisheries, water quality, habitat for plants and animals, back country opportunities, skiing, hiking, botanizing, scenic values, and a gene pool for the future.

SEND YOUR LETTER SOON (due by May 16, 1988) to:

FOREST PLANNING
Willamette National Forest
P.O.Box 10607
Eugene, Oregon 97440

---Carol Savonen, Emerald Chapter
NPSO Conservation Committee

FORMATION OF AN EDUCATION COMMITTEE

There has been a great interest by a number of groups and individuals in obtaining more information on the State Endangered Species Bill. As a result, I have given a few slide shows on the subject but would like to work up a slide show and brochure that could be easily distributed to other groups without the need for a speaker to travel all over the state.

The subject of a slide show for education of the general public was discussed at the Board Meeting in January. It was suggested that a formation of an Education Committee would be appropriate to undertake this task.

Both Bob Meinke of the Department of Agriculture and Charlie Bruce of the Department of Fish and Wildlife are interested in helping on the project. Anyone interested in helping from the NPSO should drop me a postcard or give me a call. So far Gail Baker has volunteered to help! This will be a great opportunity for the NPSO to help educate the public on rare plants in Oregon and why they need protection.

Esther McEvoy
754-0893

OPINIONS SOUGHT: Should snowmobiles be allowed on the popular Steens Mountain in Oregon's high desert?

The federal Bureau of Land Management has been asked to allow snowmobiles on the mountain but needs public input before deciding.

Comments may be sent to Josh Warburton, BLM district manager in Burns, at his office, HC 74-12533, Highway 20 West, Hines, Ore., 97738.

Additional public meetings have been scheduled for the Deschutes National Forest supervisor's office in Bend at 7 p.m. April 6 and in the Burns BLM office (near Hines) at 7 p.m. April 7.

FOREST SERVICE DOES NOT OPEN UP MARYS PEAK TO COMMERCIAL USE!

A year ago six television stations asked the Siuslaw National Forest to review the electronic use of Marys Peak. The present policy allowed for government use only. The television stations wanted to open up the peak to commercial use. The public was invited to comment on draft alternatives which ended January 8, 1988. The public comments were reviewed with the findings that there was a limited support for opening up the area to commercial use and alot of local opposition to it. The problems associated with increased electronic use was a major concern to many people.

The Forest Supervisor Tom Thompson has asked that no changes to the current management direction will be made at this time. Also the Regional Forester James Torrence has asked the Forest Supervisor to submit the necessary paper work for designation of the Marys Peak Scenic Botanical Area as a Special Interest Area. The summit of Marys Peak contains a unique array of plant communities and the designation of the Scenic Botanical Area will help protect the area.

A SPECIAL THANK YOU to Phil Hays, Liz and Bob Frenkel, Chuck Leach, Marys Peak Group of the Sierra Club, Corvallis Garden Clubs and the Corvallis Chapter of the NPSO for helping on this project!

Esther McEvoy
Corvallis Chapter

BOOK REVIEW

Mabberley, D.J. 1987. The plant-book. Cambridge University Press. Cambridge. \$34.95.

J.C. Willis's Dictionary of Flowering Plants is a fascinating botanical reference work. It contains, in alphabetical order, the families and genera of ferns, fern allies, gymnosperms and flowering plants. In addition to accepted names and synonyms, Willis includes descriptions of families with distribution and genera, number of species, distribution, and fascinating information on the uses of the plants.

In 1966 and again in 1973, Mr. Airy Shaw of Kew published a revised edition of Willis that dealt with all the names used at the genus level or higher. The increase in the number of names meant that much of the general information had to be left out. In matters of nomenclature Shaw's edition of Willis is excellent and very useful in finding synonyms or tracking down that obscure tropical genus. Unfortunately much of the information that made Willis "the most remarkable botanical works of reference ever written" (at least in the view of P.W. Richards, Journal of Ecology 63 (1975) 368) is missing. The increase in the number of names meant that much of the general information had to be left out.

Fortunately D.J. Mabberley designed his The plant-book: a portable dictionary of the higher plants to replace the earlier

editions of Willis. Included once again are a host of fascinating details concerning the taxa covered. He left out much of the tribal and subfamilial positions of certain genera but included the best of the rest of the old Willis.

A typical entry:

Eschscholzia Cham. Papaveraceae. 8-10 W N Am. Concave receptacle; (K) falling as a cap; in dull weather each petal rolls longit. incl. some stamens; valves of fr. curl spirally & fr. explodes; aiks. Cult. as orn. ann. esp. E. californica Cham. (California poppy, Calif. (state flower)) - cvs with white or pink fls as well as yellow wild form. colourless latex mildly narcotic & used by indians against toothache; E. mexicana E. Greene used as a copper indicator in Arizona

I didn't know that! The amount of information is astounding: all the way from technical descriptions and relationships of taxa according to Cronquist to common names. Mabberley claims that the peeled rhizome of Polystichum munitum has a banana taste. I didn't know that!

The abbreviations might annoy some readers, but they are quickly learned (or figured out). The book of 706 pages is nicely printed and bound in a flexible plastic cover.

A plant-book is a plant book worth owning.

Frank A. Lang Siskiyou Chapter

PORTLAND FLOWER SHOW May 14-15

It's Show-and-Tell time again for Portland Chapter members, getting ready for a display of native plants in the main exhibit hall at World Forestry Center.

Saturday, May 14 and Sunday, May 15 are the dates, from 10 a.m. to 5 p.m. each day. Admission is the regular WFC fee of \$2, or \$1 for seniors and those under 18 years, no charge to WFC members.

As the theme "Flowers in the Forest" implies each display table will reflect a forest habitat, such as the fir and hemlock of the Cascade west slopes, ponderosa and juniper to the east, Sitka spruce along the coast. Rare/endangered species will appear only in photographs.

It's not too early for you to be telling friends to see "Flowers in the Forest." Lots of members are already at work to make this another fine display with Jeanne Huffstutter as chairman, Florence Ebeling, Esther Kennedy and Louise Godfrey on the steering committee.

*But if you're not already on the work list, Portlanders, and want to join the fun, please call one of the committee.

ONRC OFFERS "WILD OREGON VENTURES"

Whitewater rafting on Oregon Rivers, llama trekking in Oregon's mountains, and trips to Costa Rica, East Africa, Ecuador and the Galapagos Islands, the Amazon, Australia, and Alaska are offered by ONRC's Wild Oregon Ventures. Brochures are available from:

Wild Oregon Ventures
1161 Lincoln Street
Eugene, Oregon 97401
503-344-0675

STATE COMMITTEE CHAIRS

NPSO Wildflower Posters & Pins Susan Kofahl
P.O. Box 151, Mosier, OR 97040; 478-3576

Notecards George Lewis
8230 SW Cashmur Lane, Portland, OR 97225; 292-0415

T-Shirts Nadine Smith
1128 Jackson St., Eugene, OR 97402; 344-6478

STATE OFFICERS

President Dan Luoma
 2912 NW Arthur Ave., Corvallis, OR 97330; 758-8063
 Vice President Marjorie Willis
 1190 Twenty-first NE, Salem, OR 97301; 581-6073
 Secretary Charlene Holzwarth
 2524 NE 34th Ave., Portland, OR 97212; 284-3444
 Treasurer Marge Ettinger
 63820 Quail Haven, Bend, OR 97701; 382-2255
 Directors Don Eastman, Julie Kierstead, Barb Fox,
 Esther McEvoy, Russ Holmes, Dave Gross
 R/E Chair Jean Siddall
 535 Atwater Rd., Lake Oswego, OR 97034; 636-4633
 Conservation Chair Ed Alverson
 Dept. of Botany, OSU, Corvallis, OR 97331; 754-4106
 Legislative Chair Esther McEvoy
 3290 SW Willamette, Corvallis, OR 97333; 754-0893

CHAPTER PRESIDENTS

Blue Mountain (NE Oregon) Bruce Barnes
 731 NW 5th, Pendleton, OR 97801; 276-5547
 Corvallis Thomas Kaye
 Herbarium, OSU, Corvallis, OR 97331; 754-4106
 Emerald (Eugene area) Gail Baker
 2424 Harris St., Eugene, OR 97405; 344-0312
 High Desert (Bend area) Joyce Bork
 640 NW Broadway, Bend, OR 97701; 389-5579
 Mid Columbia Keith Chamberlain
 Box 217, Mosier, OR 97040; 478-3314
 North Coast Clara Fairfield
 7305 Whiskey Creek Rd., OR 97141; 842-4362
 Portland Herb Armentrout
 20060 SE Hwy 224, Clackamas, OR 97015; 658-2751
 Siskiyou Frank Lang
 535 Taylor St., Ashland, OR 97520; 432-5235
 Willamette Valley (Salem area) Pat Rogers-Rochna
 14382 Marion Road, Turner, OR 97392; 769-4669
 Wm. Cusick (LaGrande Area) Rachel Sines
 504 C Ave., LaGrande, OR 97850; 963-0674

MEMBERSHIP

Membership Chair Mary Falconer
 1920 Engel Ave. NW, Salem, OR, 97304; 585-9419
 Membership in the Native Plant Society of Oregon is open
 to all. Membership applications & changes of address
 (including old address & zip code) should be sent to the
 membership chair.

BULLETIN

Editor Jan Dobak
 2584 NW Savier St., Portland, OR 97210; 248-9242

The NPSO Bulletin is published monthly. Copy is due by
 the 10th of the month & should be sent to the editor.
 News, articles, photos, drawings, & non-copyrighted
 materials are welcomed.

GUIDELINES FOR CONTRIBUTORS

The Bulletin is not typeset; therefore typed,
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DEADLINE: 10th of each month

FORMAT: Copy should be typed in 4 1/4 inch wide
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Type your own headline, centered, all caps.
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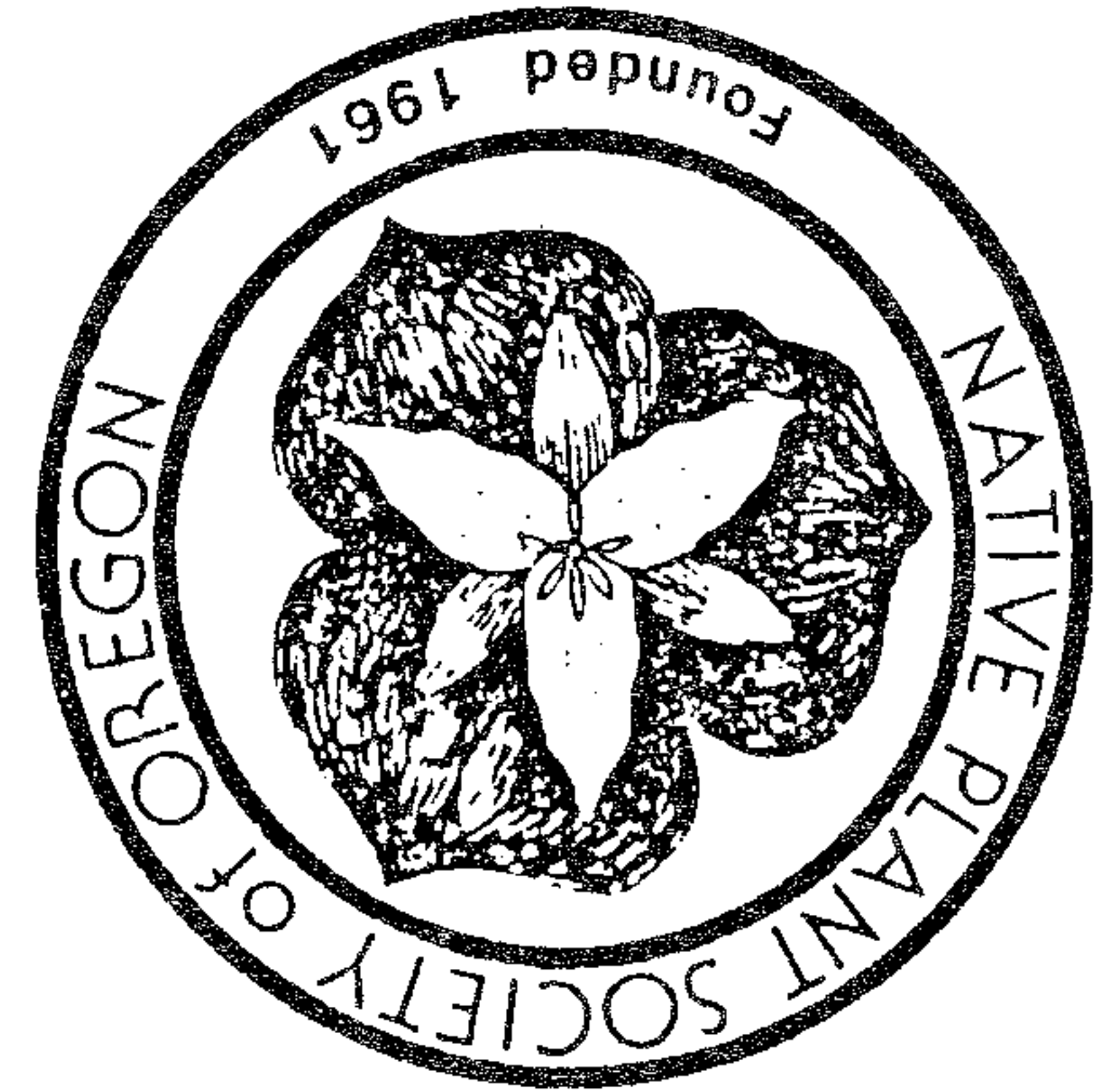
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