

Bulletin of the Native Plant Society of Oregon

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

VOLUME 27 NUMBER 9

SEPTEMBER 1994

ISSN 0884-599

State News

- Sept. 10, Sat. **Board Meeting:** Bend, 10 A.M. to 4 P.M. Central Oregon Environmental Center, 16 NW Kansas. Take lunch. Call Bruce Rittenhouse, 503-888-9328, for information.
- Spring 1995 **Annual Meeting:** Portland. Details in future Bulletins.

Chapter News

Blue Mountain

Meeting: None in September.

Corvallis

Meeting: None in September.

Emerald

- Sept. 19, Mon. **Meeting:** 7 P.M. Dr. Ed Alverson will speak about protecting and restoring Eugene's natural areas. 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.

High Desert

- Sept. 27, Tues. **Meeting:** 7 P.M. at Stu Garrett's home, 21663 Paloma Dr. Pot luck supper to decide fall/winter activities. Call Stu, 389-6981, for questions.
- Oct. 25, Tues. **Meeting:** 7 P.M. at Central Oregon Environmental Center, 16 NW Kansas, Bend. A Nature Conservancy ecologist will talk about prescribed fire and fire ecology at the Lawrence Memorial Grassland Preserve. Call Cindi O'Neil, 389-3085, for questions.

Mid-Columbia

Sept. 7, Wed. **Meeting:** 7:30 P.M. Mosier School. John Buckhouse from Oregon State University will speak about poisonous plants.

North Coast

Sept. 27, Tues. **Meeting:** 7 P.M. YMCA, Tillamook. We will look at the native plant library, that we have been accumulating.

Portland

Portland Chapter field trips: Please take lunch, rain gear and the rest of the ten essentials for safe back country travel: whistle, map, compass, flashlight, first aid kit, pocket knife, sun protection waterproof matches, emergency blanket, emergency food and clothing. Be prepared to pay up to five cents to car pool. Leaders will require all participants to sign a liability waiver.

Distances are for round trips. **Meet at 8 A.M., Oregon Dept. of Transportation, NE 60th and Glisan, to car pool, unless otherwise indicated.**

Sept. 10, Sat. **Field Trip:** Sandy River/Eclectic Institute herbal medicines field trip, led by Eleanor Milner (herbalist from Sandy), 668-6730, and Ed Alstadt, N.D. (founder of Eclectic Institute, pending confirmation). Short, but informative hike along the Sandy River and the Eclectic herb farm to learn some healing properties of our native plants.

Sept. 13, Tues. **Meeting:** 7 P.M. First Methodist Church, 1838 Sw Jefferson St., Portland. Professor Aaron Liston, Herbarium Director, Oregon State University, will present a program on "The Oregon State University Herbarium: Past, Present and Future."

Sept. 18, Sun. **Field Trip:** Zig Zag Ranger District. Car caravan, with short walks, with U.S.F.S. Special Forest Products officer, John Davis, 666-0704 (Portland #) or 622-3191. Learn the why's and wherefore's of what's on the landscape. Discuss issues of preservation management, sustainability, old growth, treaty rights, etc.

Sept. 24, Sat. **Field Trip:** Opal Creek Ancient Forest Preserve, led by Mary Vogel, 645-1992. **Because of vehicle limitations, trip limited to first 10, who sign up by Sept. 22.** Mary will focus on both natural and cultural history, ancient forest ecology and the ethnobotany of the plants on this tour to 1,000 year old cedars. Hiking 5 mi., elev. 500 ft., driving 180 mi.

Oct. 8, Sat. **Field Trip:** Mt. Hood Meadows service trip to help restore a heavily impacted area, with Susan Nugent, U.S.F.S. botanist, Hood River Ranger District, 352-6002. No strenuous hiking, but digging and plugging will give you exercise. Take gloves, U.S.F.S. will supply tools. Second meeting place is Mt. Hood Meadows Ski Area parking lot, at 10 to 10:15 A.M.

Oct. 15, Sat. **Field Trip:** 2-4 P.M. Native plant landscape tour of suburban yard in Aloha, with Mike McKeag and Kathleen McAllister, 642-3965. (Since moving into their new house, Mike and Kathleen have the last three years going native, while their neighbors have planted lawns. Discuss techniques, issues and designs, and come away with some free red fescue. Their landscape architect, Gretchen Vadny, will also be on hand. **Meet at Newport Bay parking lot, 185th and Sunset Highway, at 2 P.M., to car pool.** Call Mike to register. Limited to ten persons.

Oct. 16, Sun. **Field Trip:** Mirror Lake (tentative choice) with U.S.F.S. pathologist, Diane Hildebrand, 326-6697, to discuss some of the pathologies that attack our native trees, shrubs and plants. See next Bulletin for further details.

Siskiyou

Sept. 15, Thurs. **Meeting:** Welcome back meeting and potluck. 6 P.M. Lithia Park, across the creek from the upper duck pond. Take plates, silverware and something to share. 7:30 P.M. meeting, room 171, Science Building, SOOSC. Take five of your favorite slides to the potluck (they need not be new) and we will get them ready before the meeting.

South Coast

For information, call Paul Bakke, 439-7234.

Umpqua Valley

Sept. 8, Thurs. **Meeting:** 7 P.M., room 310, Douglas County Courthouse. For more information, call 672-5903.

Sept. 10, Sat. **Field Trip:** Fish Creek in the Rogue-Umpqua Wilderness. Meet at BLM parking lot 777 NW Garden Valley Blvd., for car pooling, with 7:30 A.M. departure. Call Richard Sommer, 673-3709, for more information.

Willamette Valley

Sept. 10, Sat. **Field Trip:** Olallie Meadows Lake, in high Cascades. Gentians and other high mountain flora are of interest. There may be good fall color. Call trip leaders Barbara and Glenn Halliday, 503-371-1025, for details.

Sept. 19, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Mike Fahey will present "Taking a Look at Seeds Through the Microscope."

Wm. Cusick

Meeting: No meeting in September.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous or hazardous. Participation is at your own risk. Please contact trip leader or chapter representative about difficulty, distance and terrain to be expected. Take 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, to limit human impact on these fragile areas. Each group using wilderness areas should be no larger than 12.

President's Column

I hope everyone is having a great season viewing our wildflowers. I would like to remind people of the extreme fire danger throughout the state, and to be careful with fire (even though I feel that fire is essential in many of our ecosystems, and that the more that burns the better).

I was told the other day that the Challenge Cost Share the NPSO funded with the Fremont National Forest did not occur. The project was to survey, for Oregon, semaphore grass (*Pleuropogon oregonus*), a Category I species. The reason the Forest Service was unable to spend the money was that no NPSO members volunteered to conduct the survey. I am not sure who is to blame for this; possibly the Forest Service was late in notifying NPSO members of the project; or worse, no members wanted to spend a day or two in the Lakeview area. These are unfortunate circumstances, and I hope that future projects where NPSO volunteers are needed will be successful.

NPSO members should actively participate in these on-the-ground projects. The federal agencies are desperately trying to develop partnerships with groups such as ours. If on-the-ground activities such as weed pulls, special status plant surveys, monitoring, and habitat restoration occur in your area, participate. I would hope, that in any project concerning Oregon's native flora, NPSO would be an important contributor.

Remember, there is still time to see some late-blooming wildflowers (even though they are probably composites), so enjoy the last few months of nice weather.

Bruce Rittenhouse
NPSO President

NPSO Items For Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (503-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett (see above. \$1 each. Minimum order is five.

NPSO Notecards feature seven rare plants drawn by Julie Kierstead and one by Valerie Sloane. They are printed on pastel parchment-style paper with matching envelopes. Sold through NPSO chapters, they cost \$4 per packet. Contact Lisa Croft, 699 W 2nd, Prineville, OR 97754 (503-447-5270).

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item! Available from Stephanie Schulz, 652 W 10th St., #1, Eugene, OR 97402 (503-485-1868). \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

NPSO Membership Directory lists names, addresses and telephone numbers of members, as of April, 1993. Available from Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412. \$2 each.

The Common Names of Oregon Plants II: Animal Parts

In last month's Bulletin, I presented a puzzle involving the common names of some Oregon plant genera, in which the suffix "-wort" (definition: an herbaceous plant) was part of the name. Readers were asked to match the English common name with the Latin scientific one, usually the name of a genus. The article noted that common names take many forms and sometimes have fanciful or archaic origins and meanings. A particular class of names, which seems to me both imaginative and picturesque, involves a supposed resemblance of plants to specific parts of well-known animals. An example is cock's-foot-grass, an alternative name for orchard-grass (*Dactylis glomerata*). Numerous such names exist, and indeed many scientific names for genera are simply translations of animal-part names into Latin. Examples of these are *Mysotis* (literally mouse-ear), a borage; *Lagurus* (literally hare's-tail), a grass; and *Leontodon* (literally lion's-tooth), a kind of dandelion.

One could also mention examples of plant common names in which a whole animal, not just a part of one, is featured. Note, for example, skunk-cabbage (*Lysichiton*), sow-thistle (*Sonchus*), rabbit-brush (*Chrysothamnus*) and bearberry (*Arctostaphylos uva-ursi*). I am excluding such names here, although they might form the basis for a future puzzle.

In the following list of generic or specific Latin names, put in the blank the number of the animal-part common name from the second list. Answers will be given in the next issue of the Bulletin.

Ken Chambers
Corvallis Chapter

<i>Achlys</i> _____	1. Cat's-ear
<i>Alopecurus</i> _____	2. Cat-tail
<i>Antennaria</i> _____	3. Coltsfoot
<i>Antirrhinum majus</i> _____	4. Crane's-bill
<i>Aruncus</i> _____	5. Crowfoot
<i>Calochortus tolmiei</i> _____	6. Deerfoot
<i>Cerastium vulgatum</i> _____	7. Dogtail

<i>Chenopodium</i> _____	8. Dogtooth-violet
<i>Conringia</i> _____	9. Elephant's-head
<i>Crepis</i> _____	10. Fetid adder's-tongue
<i>Cynoglossum</i> _____	11. Foxtail
<i>Cynosurus</i> _____	12. Goatsbeard
<i>Delphinium</i> _____	13. Goosefoot
<i>Dicentra uniflora</i> _____	14. Hare's-ear
<i>Equisetum</i> _____	15. Hawksbeard
<i>Erythronium</i> _____	16. Horsetail
<i>Geranium</i> _____	17. Hound's-tongue
<i>Hippuris</i> _____	18. Kittentails
<i>Hordeum jubatum</i> _____	19. Larkspur
<i>Luetkea</i> _____	20. Lion's-mouth
<i>Myriophyllum</i> _____	21. Mare's-tail
<i>Myosurus</i> _____	22. Mouse-ear chickweed
<i>Pedicularis groenlandica</i> _____	23. Mouse-tail
<i>Petasites</i> _____	24. Mule's-ears
<i>Ranunculus</i> _____	25. Partidgefoot
<i>Scoliopus</i> _____	26. Parrot's-feather
<i>Synthyris missurica</i> _____	27. Pussy-toes
<i>Typha</i> _____	28. Squirrel-tail
<i>Wyethia</i> _____	29. Steer's-head
<i>Xerophyllum</i> _____	30. Turkey-beard

Answers to last month's puzzle, "Two Dozen Worts":

19, 10, 8, 22, 4, 23, 17, 15, 11, 9, 7, 5, 13, 6, 14, 2, 12, 18, 20, 3, 16, 24, 21, 1.

Book Review

Plant Identification Terminology, An Illustrated Glossary. By James G. Harris and Melinda Woolf Harris. 1994. Spring Lake Publishing, P.O. Box 226, Payson, Utah 84651. 198 p. Retail price normally \$17.95. SPECIAL OFFER TO NPSO MEMBERS: \$15.95. POSTAGE PAID.

Ever stumble through your "Flora of the Pacific Northwest" trying to identify a wildflower, only to be baffled by technical language that does not appear to be English? Do phrases like "seeds biseriate" vs. "seeds uniseriate," or "spikes gynaeceandrous, perigynia planoconvex and achenes trigonous" sound (un-) familiar? Or how about "herbage strigulose," "keel obtuse" and "pubescence dolabriform?" These terms and many others are defined and illustrated in this new book, which defines 2,400 taxonomic terms and provides 1,700 illustrations.

The line-drawings are what make this book a truly useful tool to all students of botany, amateur and professional alike. Often a simple illustration is all that it takes to convey the meaning of a technical term. Although our local floras have glossaries that define some of the terms they use, these glossaries are incomplete, lack drawings, and, worst of all, use additional technical terms in their definitions that send one on a tedious journey to another part of the glossary. In contrast, "Plant Identification Terminology" is very complete (I haven't stumped it yet), puts illustrations where they are needed, and uses common language where possible. The drawings vary in detail from simple diagrams to carefully-stippled artistic renditions. They include cross-sections, perspectives, top and side views, microscopic enlargements, etc., often combined to fully explain a single term. The book is small enough to take into the field as a companion to your favorite flora.

It is arranged in two sections. Part One, "Illustrated Glossary," is a kind of general alphabetical listing of botanical terms and represents the core of the book. Part Two, "Specific Terminology," is divided into subsections for various plant components, including roots, stems, leaves, surfaces, inflorescences, flowers and fruits. Terms are listed here alphabetically *and* in common groups to show subtle (and obvious) differences in meaning. For example, forty different inflorescence types are illustrated on three adjacent pages, making it easy to see the difference between a corymb and an umbel, or between a spike and a spikelet.

There are even dichotomous keys to types of leaf divisions, leaf margins, inflorescences, surfaces and fruits, to help the user of a flora what shape or type of plant part they have. One problem with separating the book into these two parts is that many words included in Part One should also be defined and illustrated in Part Two. Fortunately, the authors chose to list these terms in both places, increasing the size of the book somewhat, but also making it far easier to use. Although the definitions of these duplicated terms are identical in both places, the illustrations somewhat differ, so it is prudent to look in both parts if one illustration leaves you in doubt.

This book should make a welcome addition to the library of a plant enthusiast. If you already own "How to Identify Plants" by H.D. Harrington and L.W. Durell (1957, The Swallow Press) which is still in print, "Plant Identification Terminology" may sound redundant, because both books contain glossaries of illustrated botanical terms. However, the value of "Plant Identification Terminology" is that it defines and illustrates about one thousand more words. In contrast, although Harrington and Durell's book is a bit out of date, it aims to teach the user how to identify plants by explaining how to use a dichotomous key and some general rules of taxonomy, important subjects omitted in this new title. Both books have their strengths, despite a significant overlap in content. They will sit side-by-side on my bookshelf.

To purchase "Plant Identification Terminology" at the NPSO discount price, send a personal check or money order to the above address. Be sure to indicate that you are a member of NPSO.

Tom Kaye
Corvallis Chapter

Free! Free! Free!
Final Offer!
(Also First Offer)

The editor receives a lot of publications, including the plans and proposals of various governmental agencies and private organizations for things to be done to and for Oregon. Some are even useful. He also gets the newsletters of a number of native plant societies. For a telephone call (not entirely free) he is willing, even eager, to send one of these to an interested individual. Inquiries welcome!

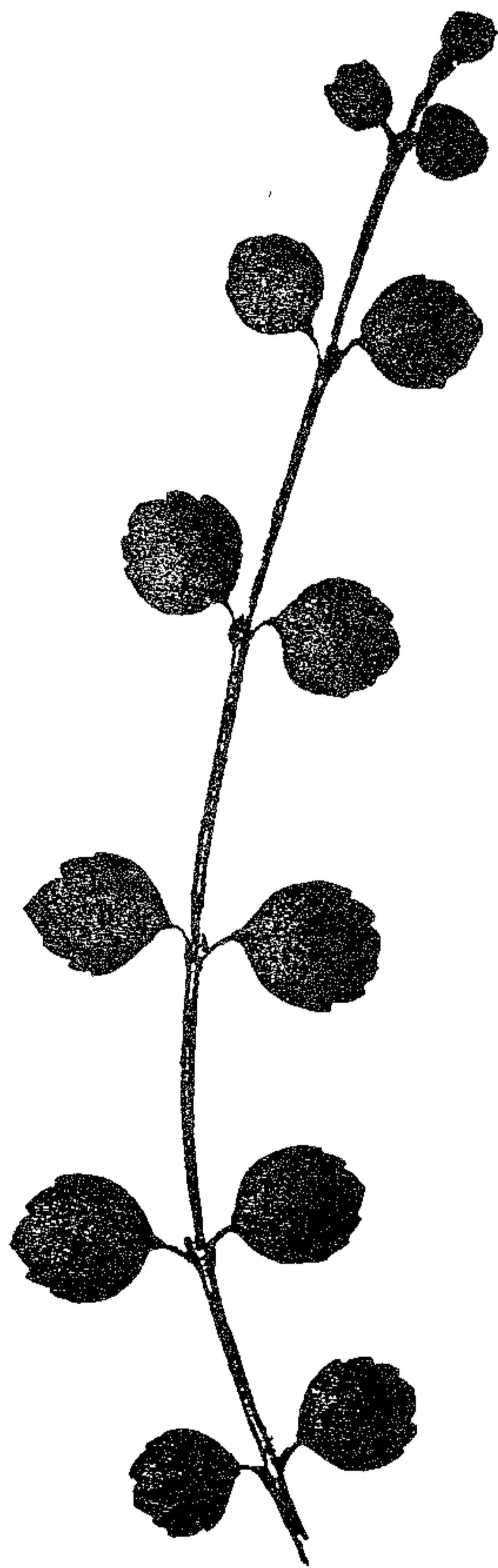
Plant Puzzle

Sponsored by the Siskiyou Chapter

Do you recognize this native wildflower?
The first person to give the correct
scientific name will win a prize.

Send your guess on a postcard to:

Peter Zika
4230 NW Clubhouse Pl., #1
Corvallis, Oregon 97330



1
cm

Bruce Newhouse of Eugene was the first to solve
the August puzzle, a serrate form of madrone,
Arbutus menziesii.

Ancient Forest Picnic

The Oregon Natural Resources Council and
Friends of Forest Park are sponsoring an ancient
forest picnic at Oxbow County Park, located on
the banks of the Sandy River, on Sunday, Septem-
ber 18, from 11 A.M. to 6 P.M.

Please join ONRC for an all-you-can-eat, whole-
some and hearty vegetarian feast, including Gar-
den Burgers, corn on the cob, salads, watermelon
and vegetables. Full Sale beer will be available for
purchase. Activities include guided hikes through
ancient forests (with a special walk for kids), a
river walk, swimming, volleyball, music and a
raffle.

Ten dollars for adults, five dollars for kids will get
you the entire day's activities and the all-you-can-
eat feast.

ONRC is a coalition of 6,000 individual members
and 45 member organizations, working in aggres-
sive defense of Oregon's wild lands and wild life.
Our programs focus on Oregon's ancient forests,
endangered species, river, high deserts, and coast-
al areas. Friends of Forest Park has a singular mis-
sion; to protect the 5,000 acre Forest Park, the
largest wilderness park in the nation. Proceeds
from the picnic will fund these activities.

For more information, or for directions to Oxbow
Park, contact ONRC at 223-9007, extension 209.

The Mile-a-Minute Weed

Pastures are often thought to be greener somewhere else. But that greenness is not always desirable when seen up close. Witness *Polygonum perfoliatum*, otherwise known as mile-a-minute weed, minute weed, tearthumb, and the plant that ate the South. This last is exactly what it is doing, advancing through the southeastern United States at up to six inches a day, and like some invader from outer space, destroying all plants in its path. It brings to mind a George Price cartoon, in which a man is pinned to his house by a vine, and his wife is saying, "Look out, here it comes again."

Worse, it seems to have come to the United States via Oregon, appearing in a ship's ballast about 1890, according to *The New York Times* (8/16/94, p. B10). Fortunately, it disappeared from the western United States. We do have our own alien plant invaders, though. And while they may not be as bad as this one, the story serves to remind us of the Pacific Northwest Exotic Pest Plant Council which is attempting to deal with this kind of threat. (Several articles about the Council have appeared in the Bulletin).

At any rate, the Exotic Pest Plant Council's next effort will be turned toward Scot's broom, and there will be a symposium in Eugene on December 1st and 2nd. Those interested should contact Glenn Miller at 503-937-2129.

More Bad News!

On the same page as the story above, an Associated Press story reported that eastern forest trees -- the hardest hit areas being in Ohio, Kentucky, West Virginia and Tennessee -- are dying at three times their natural rate. Pollution, which may be coming from as far away as Dallas, St. Louis and Chicago, is probably the cause.

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 are useable. Some McIntosh graphics can be used. Contact editor for our current needs, or send illustrations with article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual," where appropriate.

FORMAT: Submissions can be in any form, but at present editor prefers hard copy. Use of a modem is not possible at this time. Editor follows "The Associated Press Stylebook." For further details consult editor.

ORIGINALS: Submissions are not returned, unless requested.

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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
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 City _____
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 Phone _____
 Chapter (if known) _____

DUES include monthly *Bulletin* and annual *Kalmiopsis*.
 Full membership is for calendar year, January to December.
 New Renewal
 Student. \$8
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Is this a change of address?
 If so, please write your **old** address here:

Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

CONTRIBUTIONS to NPSO are tax deductible.
 Jean Davis Memorial Scholarship Fund. \$ _____
 Leighton Ho Memorial Field Botany Award Fund. . \$ _____
 Rare and Endangered Plant Fund. \$ _____

Send completed form and full remittance to:
Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412.

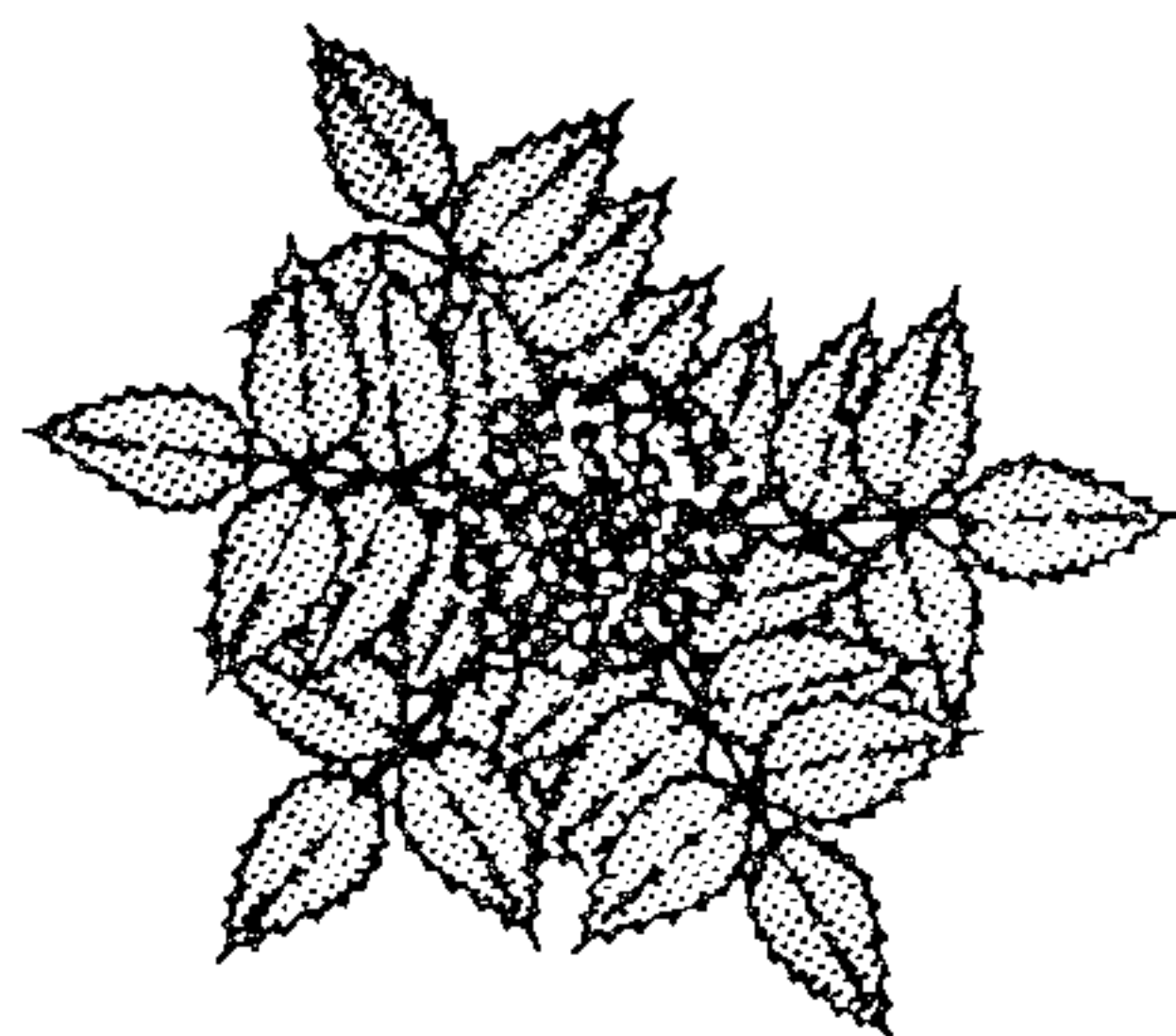
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NATIVE PLANT SOCIETY OF OREGON
General Business Address: P. O. Box 902, Eugene, OR 97440
or correspond directly with the Officers and Committee Chairs listed on the inside back page.
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Send change of address notices
and membership requests to:
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Jan Dobak, Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

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