



Bulletin of the Native Plant Society of Oregon

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

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It's Still Renewal Time

The NPSO membership year is January to December.

Check your address label on the Bulletin. If there is a 93 on the top line, you haven't renewed yet.

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

State News

- Sat., March 12 **State Board Meeting:** 10 A.M. Mosier School. Directions: Take exit 69 off I-84, turn right at the service station, go one block and turn right again. (Bring lunch). A field trip led by Jerry Igo to Tom McCall Preserve follows the meeting. If further information is needed, leave a message at 478-3293
- May 13-15 **Annual Meeting.** In Ashland. (Watch this space in March!)

Action Needed! See page 20 on Leslie Gulch

Chapter News

Blue Mountain

- Feb. 7, Mon. **Meeting:** 7 P.M. Small Business Development Center, 37 SE Dorian, Pendleton. Slide presentation, "Nature's Flower Gardens," by Bruce Barnes. Also, field trips for the year will be scheduled.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

March 7, Mon. **Meeting:** 7 P.M. Small Business Development Center, 37 SE Dorian, Pendleton. Janet Ebaugh will talk about her work as a botanist for the Confederated Tribes of the Umatilla Indian Reservation.

Corvallis

Feb. 7, Mon. **Meeting:** 7:30 P.M. Room 2087 Cordley Hall, OSU campus. Barb Wilson will talk about "Tall Grass Prairies."

Feb. 12, Sat. **Field Trip:** Sneak preview of the combined OSU-UO Herbarium in its new facilities (Full details on the merger and new facilities will appear in the March Bulletin). Herbarium director, Aaron Liston, will demonstrate the new compactors, and accessing collection data from other herbaria via internet. Location data for Benton County populations of *Sidalcea nelsoniana* will be obtained from herbarium specimens. Meet at the Herbarium, Cordley Hall, room 1045, 10 A.M. Call Dick Brainerd, 758-4500, for more information.

Feb. 26, Sat. **Field Trip:** Lichen walk at Finley National Wildlife Refuge, led by OSU lichenologist Bruce McCune, 9 A.M. to 1 P.M. Bring hand lens, learn to identify local lichens. Meet 9 A.M. parking lot across from Campus Beanery (26th & Monroe). Call Dick Brainerd, 758-4500, for more information.

Emerald

Feb. 28, Mon. **Meeting:** 7 P.M. Dr. Dave Wagner will review the Mt. Pisgah Arboretum master plan. Morse Ranch Park. Directions from downtown Eugene: Take Willamette St. south to Crest Dr. (right through "Y" for Donald, between 32nd and 33rd Aves. E) Turn right (W) on Crest and go about 4 blocks. Turn right into Morse Ranch parking lot. Walk east to the white farmhouse.

High Desert

Feb. 22, Tues. **Meeting:** 7:30 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. David Dobkin, Director, High Desert Ecological Research Institute, will speak on "Riparian habitat recovery and the impact of habitat degradation on bird diversity at Hart Mountain."

March 22, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Dr. Aaron Liston to speak on "Locoweeds of the World," with emphasis on his studies of Oregon's species.

Mid-Columbia

Feb. 2, Wed. **Meeting:** 7:30 P.M. Mosier School. Darrel Lloyd of the Flying "L" Ranch will give a slide show, "Attack on Bird Creek Meadows," dealing with grazing problems on this beautiful Mt. Adams area.

North Coast

Feb. 22, Tues. **Meeting:** 7 P.M. Carl Rawe Meeting Room, Tillamook PUD, 1115 Pacific. Tom Ascher, Coastal Resource Planner, Tillamook County, will discuss county policy on dune stabilization. Joan Sager, 842-2070, for more information.

Portland

- Feb. 8, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 Jefferson St., Portland. Peter Frenzen, scientist with the Mt. St. Helens Volcanic Monument, will answer questions about "The ecosystem Recovery of Mt. St. Helens; what happened, and what is happening now.."
- Feb. 5, Sat. **Workshop:** 10 A.M. Leach Botanic Garden, 6704 SE 122nd. Nancy Russell will discuss the acquisition of the Dalles Mountain Ranch, and show slides of some of its outstanding flowers. Call Sara Barnum, 639-3353, for more information.
- Feb. 12, Sat. **Workshop:** 10 A.M. Leach Botanic Garden. Scotty Fairchild will demonstrate the growing of native plants in a rock garden setting. (See above)
- Feb. 19, Sat. **Workshop:** 10 A.M. Leach Botanic Garden. Russ Jolley will present a program on the Columbia River Gorge.(See above)

Siskiyou

- Feb. 17, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, SOSOC, Ashland. Dr. Frank Lang will give a slide show, "Alaskan Adventures," and will report on a conference, "Sampling the Green World," about utilizing botanical resources.
- March 17, Thurs. **Meeting:** 7:30 P.M. Room 171, Science Building, SOSOC, Ashland. Nicolette Was, Experience International volunteer from New Zealand, will speak about and show slides of New Zealand.

South Coast

For information on formation of South Coast Chapter, call Bruce Rittenhouse (888-9328).

Umpqua Valley

- Feb. 10, Thurs. **Meeting:** 7 P.M. Room 310, Douglas County Courthouse. Call Ted Schattenkerk, 679-6953, for information.
- Feb. 26, Sat. **Field Trip:** Jack Hausotter will lead a trip to Table Rock to see grass-widows and *Lomatium piperi*. Meet at BLM parking lot, 777 NW Garden Valley Blvd., for car pooling at 7:45 A.M., with 8 A.M. departure. Call Richard Sommer, 673-3709, for information.

Willamette Valley

- Feb. 14, Mon. **Meeting:** 7 P.M. United Methodist Church, 600 State St. NE, Salem. Betsy Becker and Dale Sullivan will talk about The Berry Botanic Garden. For more information call 399-9680.

Wm. Cusick

- Feb. 16, Wed. **Meeting:** 7 P.M. Meeting room 5J, Baker City School District, 2090 Fourth Street, Baker City. Jean Findley will present a program about BLM Natural Areas and Conservation Agreements with the U.S. Fish and Wildlife Service, with Leslie Gulch and South Alkali Hills as examples.

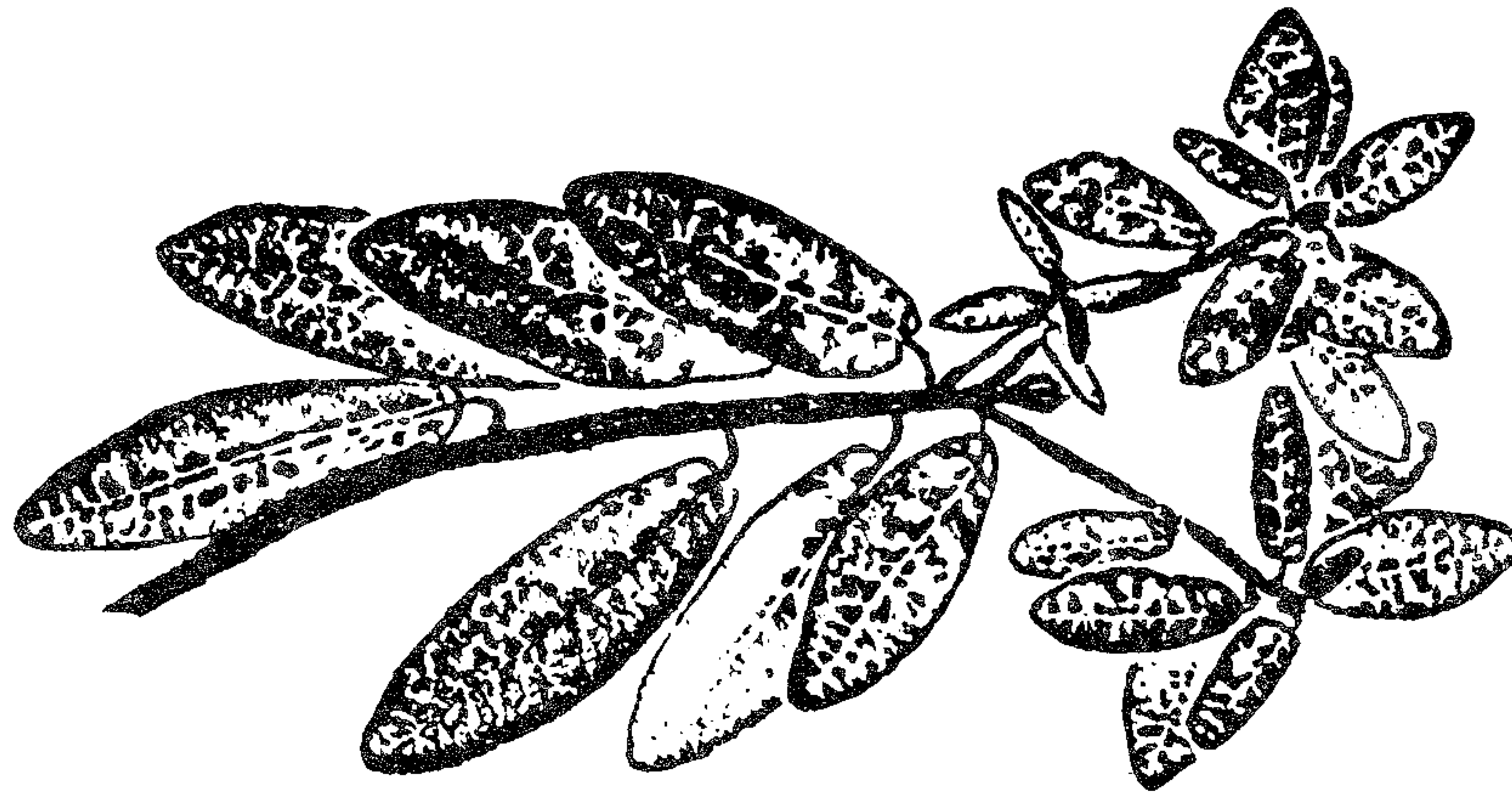
THE PLANT PUZZLE

Sponsored by the Siskiyou Chapter

Do you recognize this native woody plant?
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, OR 97330



1
cm

Dorothy Barr of Lake Oswego was the first to solve the January puzzle,
salmonberry, *Rubus spectabilis*.

**We Welcome New Members
Joining Between November 1st
and December 31st, 1993**

Corvallis

Fairbank, Sarah
Finn, Chad, Fick, Barb
Meinke, Bob, Magee, Teresa

Emerald

Arnold, Alison
Cortez, Joanna W.
Donachie, Suzanne
Kerleychek, Bob
Lloyd, Robert, Gregg, Lee
Perkins, Mike

High Desert

Googins, Richard L., Mary
Karow, Gregory L.
Robbins-Smith, Carolyn
Sandburg, Robert R.
Weinmann, Fred

North Coast

Nachmann, Barbara

Portland

Boyd, Elizabeth N.
Cammann, Mary L.
Conklin, Robert B.
Granholm, Cindy
Laskiewicz, Terry
Loeb, Nancy
Maillet, Neal
McKeag, Michael
Richardson, Scotty, Michael
Vernon, Victoria
Wilson, Christina

Siskiyou

DeMoss, Barbara
Williams, Barbara

Umpqua Valley

Romeril, Allan B.
Whipple, Terry A.

William Cusick

Bunnell, Keith

NPSO Items For Sale

Oregon's Rare Wildflowers 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 5.

NPSO Notecards feature seven rare plants drawn by Julie Kierstead and one drawn by Valerie Sloane. They are printed on pastel parchment-style paper with matching envelopes. Notecards are sold through NPSO Chapters. For more information contact Lisa Croft, 699 W 2nd, Prineville, OR 97704 (503-447-5270).

NPSO T-Shirts are available in various colors and designs. They 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 NPSO members (April, 1993). Available from Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412. \$2 each.

The Discovery and Identification of *Lomatium ravenii* -- An Adventure in Taxonomic Perseverance

Raven's lomatium (*Lomatium ravenii* Mathias & Constance), a plant previously thought to be extirpated from Oregon, has been discovered growing in six locations in the Malheur National Forest. Specimens collected in the Prairie City Ranger District were verified recently by Dr. Lincoln Constance, Professor Emeritus at the University of California, Berkeley, a noted expert in North American Apiaceae. According to the Oregon Natural Heritage Program, this plant, endemic to the Northern Basin and Range in California and Nevada, was believed extirpated in the Oregon portion of its historic range in Harney and Malheur counties. The new discoveries are located in southern Grant County, well separated from the Nevada populations, growing in stiff sagebrush communities characterized by low plant cover and very shallow soils.

This noteworthy datum was not the result of a cavalier field identification during the course of an afternoon's serendipitous botanizing. In fact, the challenging taxonomy of *Lomatium* had concerned botanists fumbling with this plant's identity for nearly four years.

In 1989, Greg Lind, botanist with the Malheur, observed this curious umbel growing in two locations in the Prairie City Ranger District. The plant was collected, pressed and labeled, for the moment, as "*Lomatium* sp." to be dealt with more seriously later. (Greg later explained that the winter months provide ample time for such challenges).

In 1990, I joined the Prairie City District staff and was the beneficiary of Greg's vast knowledge and guidance while learning the flora of the Blue Mountains. Greg had an insatiable appetite to know all the plants he encountered in the field and *Lomatium* was no exception. One day that summer the mysterious lomatium (*Lomatium x*) was again collected and that evening we both took a crack at identifying it. I had little success after repeatedly going through the floras. In "Vascular Plants of the Pacific Northwest" it would key fairly well to *L. nevadense*, but the description in the text did not match too closely, nor did it bear much resemblance to what we had been calling *L. nevadense* locally. Greg noted that if one could ignore the white color of the petals, the yellow-flowered *L. foeniculaceum* was a decent fit. Nei-

ther of us were comfortable with these identifications, though. Despite numerous references, one stereomicroscope, and a hand-honed micropoint tweezers, the identity of this plant still eluded us. Perhaps better minds than ours could help.

The following winter, Greg sent specimens of *Lomatium x* to Oregon State University and Eastern Oregon State College. Both replied that identification was difficult due to insufficiently mature fruits, an important characteristic for distinguishing *Lomatia*. However, the material was tentatively identified as *L. nevadense*, a morphologically variable species. This we haughtily dismissed for reasons stated above, yet we were no closer to the solution.

The 1991 field season was lost to me to pursue this question further, as the fickle nature of Forest Service budgets had me working a nonetheless memorable summer for the Deschutes National Forest in Bend, Oregon. But the following autumn, I was back on board the Malheur, and I had not forgotten this plant.

Now, I should state that some of our prior frustration with this plant's identity could be traced to the tools we employed to pry it from the ground. Our small "dandelion weeders," which were portable and reasonably effective, proved less capable in the shallow, stony soil where *Lomatium x* is found. Root material is generally favored when collecting botanical specimens, and we had been gathering, as best we could, what seemed a representative portion of an apparently slender taproot with our mysterious umbel.

Enter Dale McNeal, Professor of Botany at the University of Pacific, Stockton, California. In May of 1992, Dr. McNeal was passing through eastern Oregon forests collecting wild onions (*Allium* sp.) to help resolve taxonomic confusion in the genus, for the Forest Service. I was fortunate to guide Dr. McNeal to collection sites in the Malheur. I took him to one area that also happened to harbor the mysterious *Lomatium x*.

Dr. McNeal was not a timid plant collector; he carried with him oversize plastic bags that would accommodate a sizeable volume of material, and to help fill those bags, a large pick-like implement which he affectionately referred to as "The Terminator." Dr. McNeal presented quite a formidable image wielding The Terminator in one hand above his head as he poised his tall frame over the unwitting onions.

Opportunity is seldom a lengthy visitor. "Would Dr. McNeal kindly liberate some specimens of that curious little umbel yonder?" Obliging, Dr. McNeal set to work. When the debris settled, I beheld an astonishing sight; deep down below the taproot, wedged uncomfortably between plates of andesitic bedrock, *Lomatium x* was equipped with tubers!

Now, for those readers unaccustomed to navigating the fog-shrouded seas of *Lomatium* taxonomy, the morphology of the underground portion is one character used to distinguish groups of species in dichotomous keys. Some species have a slender taproot, as I thought to be the case in *Lomatium x*, while others have variously thickened, shapeless or globose, fleshy tubers. I had been following, erroneously, the taprooted leads in the keys.

Armed with this essential new datum, fresh material, and invigorated resolve, I dashed back to the arsenal of floras at home. Following the tuberous leads in the key, then, led me to a small group of species, none of which, unfortunately, bore any resemblance whatsoever to the material at hand. I was shipwrecked on a reef of seeming taxonomic futility.

Once my attitude was again sailing the clear blue waters of optimism, I reasoned that my plant (I was becoming quite possessive -- obsessive? -- by now) might not be included in "Vascular Plants of the Pacific Northwest," that perhaps it was a Basin and Range species that had sloshed up into the lower slopes of the adjacent southern Blue Mountains. The "Intermountain Flora" had not yet published the volume dealing with the Apiaceae, the plant family containing *Lomatium*, and I had no other references that dealt with southeast Oregon. So on a recommendation, I mailed some material to Dr. Lincoln Constance at Berkeley.

Dr. Constance's prompt, friendly reply was very encouraging, if not entirely conclusive. He offered two possibilities: *Lomatium ravenii* or an undescribed relative in the *L. foeniculaceum*-*L. nevadense* group. A new species! Wow! What a development that would be. When my pulse slowed, I researched the former alternative. *L. ravenii* was not recorded in "Vascular Plants of the Pacific Northwest," nor was it mentioned in Peck's "A Manual of the Higher Plants of Oregon," nor Abrams' "Illustrated Flora of the Pacific States." Out of curiosity, I looked into "Rare, Threatened, and Endangered Plants and Animals of Oregon" to see if it was a species of concern tracked by the Oregon Natural Heritage Program. To my aston-

ishment it was listed as possibly extirpated from the state, having once occupied sites in Harney and Malheur counties. To discover an extirpated species seemed nearly as thrilling. But the final answer would have to wait. Dr. Constance's uncertainty was the result (again) of immature fruits. It was September and I wouldn't be able to collect properly-fruited material until the following summer. Imagine the winter-long suspense.

With the utmost conviction, excellent material was gathered this past June and sent to Dr. Constance with the results announced at the outset of this article. For several days, Dr. Constance thought he might be handling a new species, before settling on *Lomatium ravenii*. In the end, he could not distinguish my plant when compared to *L. ravenii* material from locations other than the type. Of note, he found the tuberous habit of *L. ravenii* more interesting than what "just another *Lomatium*" find might have been. Dr. Constance remarked that both the describers and Mark Schlessman, the monographer of the tuberous *Lomatia*, had overlooked this character of the plant's subterranean nature.

What lesson then, can be learned from this story? Don't let the curious and unknown slip through any cracks in your botanical integrity, even when confronted with chronic taxonomic disappointment. And, when concerning *Lomatium*, perhaps it is best to "speak softly and carry a big pick."

Gene Yates
Forest Botanist
Malheur National Forest

SUMMER INTERN'S REPORT

The fourth NPSO/ODA summer intern's report for the 1993 field season, that was to have been included in the Bulletin this month, has never been written. Consequently, it will never be published.

Eastside Conservation Report

If you write only one letter about eastside conservation issues in 1994, let it be to the Vale District BLM about their draft Leslie Gulch Management Plan. They have done something very right and badly need support.

Leslie Gulch is a spectacular spot. It has dramatic canyon walls, bighorn sheep, splendid solitude, and what is probably the greatest concentration of the rarest plants east of the Cascades in Oregon. Until now the BLM has seen fit to graze this natural wonder. However, they appear ready to change their tune. The draft management plan for this 12,000 acre Area of Critical Environmental Concern proposes to transfer the 264 AUM's (Animal Unit Months) in the ACEC to an area outside of it. They also increase other protections for the five rare species found in the area: Ertter's groundsel (*Senecio ertterae*), Packard's blazing star (*Mentzella packardiae*), grimy ivesia (*Ivesia rhypara* var. *rhypara*), Owyhee clover (*Trifolium owyheense*), and sterile milkvetch (*Astragalus sterilis*). Other less rare plants also found there include Packard's sagebrush (*Artemisia packardiae*), Mackenzie's phacelia (*Phacelia lutea* var. *mackenziorum*), and barestemmed buckwheat (*Eriogonum novonudum*). More controls will be placed on rockclimbers and wild and domestic horses. An inholding will be purchased and mineral rights withdrawn.

Folks in Malheur County are stunned. They can't believe that the BLM would consider transferring (not eliminating, just transferring) AUM's just to protect rare plants! Even though there is no economic impact from this, the county commission, local cattlemen, the state representative and others are putting pressure on the BLM to go against their own preferred alternative and keep the grazing. It is important that groups like the NPSO support an agency when it goes against the tide and does the proper thing. So let's do it! Right now while you're thinking about it.

Please write a letter to:

Ralph Heft, Malheur Resource Area Manager,
Vale District BLM,
100 Oregon St., Vale OR 97918

before the close of the comment period on February 14. Tell him you strongly support Altern-

tive D of the EA for the Management Plan for the Leslie Gulch ACEC. Ask to be on the mailing list if you are not already. The BLM will need strong support on this issue to counter the heavy pressure they are getting from the other sides. And plan on making a trip to this amazing spot in May so you can appreciate one of Oregon's special places.

I am happy to report other good news from the eastside. As the Hart Mountain Antelope Refuge goes into its third year of no grazing, it appears that it may remain cow free for the foreseeable future. With strong support from this and other groups, the U.S. Fish and Wildlife Service seems to be heading for eliminating grazing from the Refuge. Lake countians and other commodity interest groups are still pushing hard to maintain cattle on this wildlife refuge.

More good news comes from the Lake view BLM. Lucile Housely has been appointed to the vacant position of District botanist. Lucile was a long-term director of the Malheur Field Station. She knows Oregon's Great Basin ecology, and should do a superb job for this huge district.

Stu Garrett
Eastside Conservation,
Committee Chair, NPSO

Grant Proposals Requested

The Native Plant Society of Oregon continues sponsoring small research grants. Objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and the factors affecting its survival. The Leighton Ho Field Botany Award, with priority on study west of the Cascades, has sometimes been given as a matching grant in cooperation with The Nature Conservancy; their research needs can be obtained from Cathy Macdonald, Director of Stewardship, 1205 NW 25th, Portland, OR 97210 (503-228-9561). NPSO's program policy and guidelines can be obtained from Dan Luoma, Research Grants Committee Chair, 4560 University Pl., #2, Corvallis, OR 97330; 503-752-8860. Research proposals are due by March 1

PNW Exotic Pest Plant Council Is Organized

For years many of us who are concerned with the protection, management and enjoyment of our natural areas in the Pacific Northwest have become increasingly concerned about the spread of invasive exotic vegetation. Scotch broom and gorse in western Oregon, yellowstar thistle in southern and northeastern Oregon, and purple loosestrife throughout the wetlands of the Northwest are some examples.

In many of the Pacific Northwest's natural ecosystems, invasive exotic plants now represent the number one threat to the integrity of those ecosystems. Yet control of invasive exotic vegetation is becoming even a lower priority within the budgets of nearly all public and private land management agencies.

Communication and coordination among interested and knowledgeable parties is difficult, and worse still, these issues are barely perceptible to most of the public, a fact reflected by the lack of programs and funding. The formation of the Pacific Northwest Exotic Pest Plant Council is designed to provide a step toward addressing these problems.

On December 10-11, 1993 an organizational meeting was held in Pendleton to form this council. It is patterned after similar organizations in Florida and California. [See Nov. 1993 Bulletin] Lou Whiteaker, U.S. B.L.M., Klamath Falls, was elected president. Dave Langland, Oregon Department of Agriculture, Weed Division, of Redmond, was named treasurer.

Our goal is to launch a new, professionally-based organization to provide a regular forum for the exchange of ideas and knowledge, to promote needed research and funding, to enhance public awareness of problems with exotic pest plants and to advocate effective solutions.

These goals were identified:

1. To work cooperatively with diverse groups to prevent introduction and establishment of non-native pest plants.
2. To understand, predict and manage exotic pest plant invasions.

3. To educate the general public and legislators on the environmental and economic impacts of exotic pest plants.

We have an opportunity to make a difference in the course of biological history in the Pacific Northwest, by coordinating the efforts of Oregon, Washington, Idaho, and possibly Montana and British Columbia, with regard to these invasives species.

While we have the enthusiastic support of such federal, state and local agencies as the U.S. Forest Service, the U.S. Bureau of Land Management, the U.S. Fish and Wildlife Service, Oregon Department of Agriculture, Oregon Department of Fish and Wildlife, and county Weed Districts, we also have the versatility and empowerment that comes from the support of private organizations and individuals who are concerned with the improvement of our environment. In the near future you will be hearing a lot about managing invasive vegetation in a sensible and effective manner.

The initial project chosen is purple loosestrife (*Lythrum salicaria*). An educational program as to why we should not lose our wetlands to this plant, as has happened in other parts of the country, will be the direction of our efforts.

Though purple loosestrife is project one on the agenda, it will be followed closely by other weed threats. Knapweeds, yellowstar thistle, Scotch broom and other plants that invade native habitats and degrade them, will become the focus of our efforts.

Join us and you will receive a newsletter with a description of specific projects and ways you can help. For too long we have thought of weed control as being the exclusive agenda of farmers, ranchers, chemical companies and agency landholders. This is an opportunity for us to accept responsibility for the problem and the solution. Join now.

Send your name, address, business affiliation and individual membership fee of \$20 to: David G. Langland, Treasurer, PNW Exotic Pest Plant Council, 4409 SW Obsidian, Redmond, OR 97754.

Jerry Igo
Mid-Columbia Chapter

**WNPS/NPSO SPRING STUDY
WEEKEND
COLUMBIA RIVER GORGE
MAY 6, 7 & 8, 1994**

What: A unique opportunity to be around plant enthusiasts in one of the most floristically interesting and diverse areas in the country! A full program is planned, including evening speakers/slide shows on Friday and Saturday, an array of field trips to choose from on Saturday and Sunday led by botanists well-known for their work in the Gorge.

Where: Camp Arrowhead Girl Scout Council Retreat on Wind Mountain (2 miles west of Dog Mountain and 8 miles east of Stevenson, WA) on the Washington side of the mid-Columbia Gorge.

Facilities: Camp Arrowhead is located amid trails and several unusual geological features. There is a lodge which will be the central meeting area. Cabins will house attendees, with 6-8 people per cabin. Capacity is 150 people. Tents are OK, and lodging fees are the same as for cabins or vehicles.

Questions: Contact Sally Claggett, PO Box 1621, White Salmon, WA 98672, or 509-427-5645 days.

Registration: Deadline is April 10, 1994. Checks payable to WNPS are sent to **Jim Riley, Box 458, Randle WA 98377**. You are urged to register now, but make clear which items you are registering for. A registration form, available from WNPS, may also appear in next month's Bulletin.

Fee Schedule:

Study weekend registration	\$5.00
Lodging	
Friday	2.00
Saturday	2.00
Meals	
Saturday	
Breakfast	3.00
Lunch	3.00
Dinner	5.00
Sunday	
Breakfast	3.00
Lunch	3.00

Native Plant Identification Classes

Leach Botanical Garden, 6704 SE 122nd Ave., Portland, OR 97236.

March 12th & 19th, 9 A.M. to Noon.

March 26th: All day field trip to east Columbia Gorge.

Fees: \$20 for Leach Garden Friends, \$22 for others, with field trip expenses shared by those who car-pool.

Jerry Igo, Columbia Gorge naturalist and NPSO Board member will teach classes and lead field trip. Pre-registration is urged.

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 item, cite source and date. Indicate if it is to be used in its entirety, or excerpted at editor's discretion.

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 them with article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate. Use both scientific and common names if possible.

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.

STATE OFFICERS

- DIRECTORS (to 6/95) Jenny Dimling, Veva Stansell, Nancy Wogen
- DIRECTORS (to 6/94) Jerry Igo, Margie Willis, Peter Zika
- PRESIDENT Lisa Croft 699 W 2nd, Prineville 97704; 447-5270
- IMMEDIATE PAST PRESIDENT . . . Stephanie Schulz 652 W 10th St #1, Eugene 97402; 485-1868
- VICE PRESIDENT Rhoda Love 393 Ful Vue Dr, Eugene 97405-2706; 345-6241
- SECRETARY Bruce Rittenhouse 1170 Michigan, Coos Bay 97420; w:756-0100; h:888-9328
- TREASURER Kari Yanskey PO Box 64, Ukiah 97880; 427-3063

CHAPTER PRESIDENTS

- BLUE MOUNTAIN (Pendleton) . . . Jerry Baker Rt 1, Box 263, Adams 97810-9704; 566-3381
- CORVALLIS Keli C. Kuykendall 4550 SW Nash Ave., Corvallis 97333; 758-8409
- EMERALD (Eugene) Bruce Newhouse PO Box 902, Eugene 97440; 343-2364
- HIGH DESERT (Bend) Cindi O'Neil 22100 Sweetgrass Dr, Bend 97701; 389-3085
- MID-COLUMBIA Keith Chamberlain Box 271, Mosier 97040; 478-3314
- NORTH COAST Jim Winslow 8750 Valley View Dr, Tillamook 97141; 842-2246
- PORTLAND Laura & Steve Gasaway 39586 SE Trubel Rd, Sandy 97055-9625; 668-5076
- SISKIYOU David Kennedy 8394 Wagner Creek Rd, Talent 97540; 535-6383
- UMPQUA VALLEY (Roseburg) . . . Ted Schattenkerk 3805 Hwy 42, Winston 97496-9546; 679-6953
- WILLAMETTE VALLEY (Salem) . . . Jim Crane 3837 Hart Dr N, Keizer 97303-5945; 393-0798
- WM. CUSICK (La Grande) Bob Ottersburg PO Box 885, La Grande 97850; 963-9660

STATE COMMITTEE CHAIRS

- RARE AND ENDANGERED Bruce Newhouse P.O. Box 902, Eugene 97440; 343-2364
- CONSERVATION, EAST SIDE Stu Garrett 21663 Paloma Dr, Bend 97701; 389-6981
- CONSERVATION, WEST SIDE Kate Dwire 429 SW 10th St., Corvallis 97333; w:754-4666; h:757-7115
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NATIVE PLANT SOCIETY OF OREGON
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