

Bulletin of the Native Plant Society of Oregon

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

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State News

Sept. 10.
Spring 1995

Board Meeting: Bend. Details in future Bulletins.
Annual Meeting: Portland.

Chapter News

Blue Mountain

Meeting: No meeting in July.

Corvallis

Meeting: No meetings until October.

July 16, Sat.

Field Trip: Loren Russell will lead to the rock garden communities on Browder Ridge in the old Cascades. Take lunch and be prepared for a moderately strenuous hike. Meet, 8:30 A.M., to car pool from the OSU parking lot across from the campus Beanery (26th and Monroe). Call Dick Brainerd, 758-4500, for more information.

Emerald

Meeting: No meetings until September.

July 10, Sun.

Field Trip: Watercolor paintout on Iron Mt. with Shirley Hilts. Sponsored by the Friends of Iron Mt. Bring pens and paints. Meet at the Garage at end of Civil Rd. (USFS 055, off Hwy. 20) at 10 A.M. Call Alice Smith, 367-5168, for information.

July 17, Sun.

Field Trip: Wildflower photography on Iron Mt., with Bob Ross from 10-2. Sponsored by the Friends of Iron Mt. Call Alice Smith, as above.

July 23, Sat.

Field Trip: Wildflower walk in 2000 acre Moon Point Botanical Special Interest Area, including an easy 2 mi. trail to the point for views, meadows with elk bedding areas, Moon Lake and adjacent bog and a stop at Warner Mt. Fire Lookout. Meet at 8 A.M., S. Eugene H.S. Trip leader is Evelyn Everett, 782-2266.

July 28-29
Th.-Fri.

Field Trip: Waldo Wilderness wildflower backpack. Help a botanist and NPSO members look for rare plants in wet meadows near Waldo Lake. Trip will be overnight. Contact Kim McMahan, 782-2291, by July 18, so food can be worked out.

July 30, Sat.

Field Trip: Old growth walk. Great for families with small kids. Half mile walk along Delta Old Growth Trail. Meet at Delta Amphitheater (Hwy. 126 to turnoff to Cougar Reservoir, follow signs to Delta Campground, approximately 1000 feet up from 126) at 10 A.M. Bring lunch to picnic afterwards, if you wish. Trip leader is Jenny Dimling, 465-6321.

Aug. 20, Sat.

Field Trip: McKenzie Research Natural Area walk. Come discover the vegetation in and around Huckleberry Lake, up on the crest of the Cascades. Moderate walking. Bring lunch and water. Meet at S. Eugene H.S., 8 A.M. Please call Jenny Dimling, 465-6321, to confirm if there is still room for participants as group size is limited.

Aug. 27, Sat.

Field Trip: Iron Mt. Klamath weed pull with Alice Smith. Call 367-5168 for more information.

High Desert

Meeting: No meetings until September.

July 9, Sat.

Field Trip: Lookout Mountain. This spectacular wildflower hike to a protected area of the Ochoco National Forest is led by Richard Helliwell, Big Summit District botanist. Moderately difficult 5 mile hike. Meet at Ochoco Ranger Station, 9:30 A.M. Call Richard, 447-9645 days, 447-2249 evenings, for details.

Aug. 6, Sat.

Field Trip: Broken Top volcano. Annual trip to view spectacular glaciated scenery and alpine wildflowers, west of Bend. Moderate to strenuous 5 mile round trip, with 1500 foot elevation gain. Mostly off-trail hiking through Three Sisters Wilderness, so number is limited to 12. **Pre-registration required!** Call Stu Garrett, 369-6981 evenings, to sign up.

Aug. 20, Sat.

Field Trip: Three Creeks lake and meadow. Easy hike, led by USFS botanist, Cindi O'Neil, through superb sub-alpine areas to see the unusual Newberry's gentian and other high-elevation flowers. Call Cindi, 389-3085 evenings, or 383-5564 days.

Mid-Columbia

July 6, Wed.

Meeting: 7:30 P.M. At Stuart and Mildred Chapin's house, 464 SW Eyrie Rd., White Salmon, WA., 509-493-2823. Barbara Robinson will present a program on the wildflowers of the high country.

Aug. 3, Wed.

Meeting: 6:30 P.M. Potluck dinner and meeting at the Igo home on Dry Creek Rd. We expect a visit from David Douglas. Call 503-478-3293 for directions.

North Coast

Meeting: None in July.

July 23, Sat.

Field Trip: Meet at 9 A.M., Tillamook PUD, or 9:45 at Mt. Hebo Ranger Station, for easy hike at summit of Mt. Hebo. The leader is Jaylen Jones, 842-7710.

Portland

For all Portland Chapter field trips: You are advised to take lunch, rain gear, and the other 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 5 cents a mile for car pooling. Leaders will require participants to sign a liability waver. Distances given are for round trips. Meet at 8:30 A.M., Oregon Dept. of Transportation, NE 60th & Glisan, **unless time and place are otherwise noted.**

- July 2, Sat. **Field Trip:** Bald Mt., Lolo Pass area of Mt. Hood National Forest, led by Dee White (227-2581). Avalanche lily is likely to be in bloom on this 6.5 mi. trip. Elev. gain 1500 ft., driving distance 90 mi. **Note: Meeting place is ODOT. Ignore June Bulletin's instructions.**
- July 9, Sat. **Field Trip:** Preacher's Peak/Devil's Pulpit, PCT, northwest of Lolo Pass, led by USFS botanist, Mollie Sullivan (666-0704). We'll follow the ridge overlooking Bull Run Lake. One of the rare treats should be Howell's daisy. Meet at Zig Zag Ranger Station on Hwy. 26, at 8 A.M.
- July 10, Sun. **Field Trip:** Wahtum Lake, into the Columbia Wilderness, led by Linda Hardie (223-4668). Shooting stars, anemones, monkey flowers likely to be in bloom on this 5 mi. or longer trip. Elev. gain 1000 ft., driving distance 150 mi.
- July 12, Tues. **Meeting:** 7 P.M. First United Methodist Church, 1838 SW Jefferson St., Portland. Linda Hardie will give an illustrated talk on the wildflowers of the Siskiyou. Linda produces outstanding programs, and you won't want to miss this one. Note: There will be no meeting in August.
- July 16, Sat. **Field Trip:** Bagby Area of Mt. Hood National Forest, led by Charlene Holzwarth (284-3444). Explore the Natural Area by the hot springs and perhaps some areas of blowdown, where new wildflowers have emerged on this old growth forest walk. Take bathing suit and towel for soak. Second meeting place is Ripplebrook Ranger Station, Hwy. 224. 6-7 mi. trip, 1000 ft. elev. gain, 120 mi. driving distance.
- July 23, Sat. **Field Trip:** Sheep Canyon of Mt. St. Helens, led by Carroll Dubuar (234-4135). Meet at ODOT, **8 A.M.** Second meeting place: Gale Reservoir Recreation Site, 9 A.M. Trip about 5 mi., elev. gain 1300 ft., driving distance 80 mi.
- July 31, Sun. **Field Trip:** Teachuck Trail, Table Rock Wilderness, Salem District BLM, near Molalla, led by BLM botanist, Julie Thiel (362-2057 Salem). Will help develop plant list for this area, and may explore historic fire lookout. Expect to see Santiam lilies, arnica, Gorman's aster, harebells, paintbrush. Elev. gain 500 ft., driving distance 125 mi.
- Aug. 6, Sat. **Field Trip:** Bird Creek Meadows, Yakima Indian Reservation, led by Katharine Diack. Expect to pay \$5 per car to the Yakimas, for parking. On the southeast side of Mt. Adams, the trail in is high elevation, steep at times, but only 5 mi. round trip. Call 246-6572 for more information. Elev. gain ?, driving distance 218 mi. **Meet at 8 A.M.**

Siskiyou

- July 4, Mon. **Show:** Irene Hollenbeck Memorial Wildflower Show, at Lithia Park. Call Barbara Mumblo, 734-0424, or Joan SeEVERS, 770-2232, if you want to help. We need folks to set up, visit with people through the day, and take down the exhibit. We could use everyone's help to share the load. No need to be a plant expert to help.

July 16. Sat. **Field Trip:** To "Celebrate Wildflowers." Carol Harmount, botanist for the Prospect Ranger District, will lead a moderate, day-long hike in the Rogue-Umpqua Divide area. Meet at Medford Food for Less, 9 A.M., or the Prospect Ranger Station, 10 A.M. For more information call Carol Harmount, 560-3480.

Meeting: No meetings until September.

South Coast

July 9, Sat. **Field Trip:** To Bear Camp Botanical Area to see many unique plant species. Meet at Cougar Store in Agness, 9 A.M. For information call Bruce Rittenhouse, 888-9328, or Veva Stansell, 247-7153.

Aug. 20, Sat. **Field Trip:** Monique Slipher will lead a trip to the Game Lake area, to view many serpentine endemic plant species. Meet at the Gold Beach Ranger District, 9 A.M. For information, call Bruce Rittenhouse, 888-9328.

Umpqua Valley

July 9, Sat. **Meeting / Field Trip / Picnic:** Meet at BLM parking lot, for 8 A.M. departure. Group will travel to Dutchman Peak in the Cow Creek Drainage. Call Richard Sommer, 673-3709, for information.

Officers: New officers elected were: Sandra Stiltner, president; Richard Sommer, vice president; Mildred Thiele, secretary; Russ Holmes, treasurer.

Willamette Valley

Meeting: No meeting in July.

July 9, Sat. **Field Trip:** French Creek Ridge, a mid-mountain trip east of Salem, led by Wilbur Bluhm. Great plant variety, includes the white rhododendron. Easy to moderate hike. Meet at 8 A.M., South Salem K-Mart parking lot, on Mission Street. For information call Wilbur Bluhm, 393-2934.

July 31, Sun. **Field Trip:** Little Luckiamute Trail in Coast Range, with Larry Scofield. A scenic hike along the river in Black Rock area. Meet, 9 A.M., for car pooling, at Safeway Store parking lot in West Salem, or 10 A.M., at the city hall in Falls City. Call Larry Scofield, 787-3833, or Barbara Halliday, 371-1025, for information.

Aug. 6-7
Sat.-Sun. **Field Trip:** Three Creeks Lake area on Saturday, easy hike led by Clint Urey. Leave South Salem K-Mart parking lot, Mission St., 8 A.M., for 11 A.M. meeting at Three Creeks Meadow (horse camp), about 15 miles ssw of Sisters Tam McArthur Rim hike on Sunday, led by George and Harriett Schoppert. Steep hike for first half mile. Meet, 9 A.M., Three Creeks Lake store, about 16 miles ssw of Sisters. For information call Clint Urey, 393-0886, or the Schopperts, 859-2613.

Sept. 10, Sat. **Field Trip:** Olallie Meadows-Lake, in high Cascades. Details in future Bulletins.

Wm. Cusick

Meeting: No meetings until September.

New Members: New William Cusick Chapter members, Clair Button, Dana Field and Verna Slane, were inadvertently reported for the South Coast Chapter.

- July 10, Sun. **Work Party:** Work day at the new Gangloff Park, installing an interpretive trail. Meet at 9 A.M. at the park on the western edge of La Grande, with shovels and wheelbarrows. Call Bob Ottersberg, 963-6043, for more information.
- July 17, Sun. **Field Trip:** Mt. Howard. Tour of alpine vegetation, including the rare Greenman's lomatium. Trip led by Marty Stein. Mt. Howard, at 8000 ft., overlooks Wallowa Lake, and is accessible by tram for \$10 round trip. Meet at the tram at 10 A.M. Call Marty Stein, 426-4978, for more information.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

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

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

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

Guidelines for Contributors to the Bulletin

NPSO Bulletin published monthly, as a service to members and the public.

All kinds of contributions welcome. **Copy due by the 10th of the month.**

CREDITS: Identify author and affiliation. If not original, cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable.

Some McIntosh graphics can be used. Contact editor for our current needs, or send illustration 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, the editor prefers hard copy.

Use of a modem is not possible at this time. Editor follows "The Associated Press Stylebook." For more details, consult editor.

ORIGINALS: Submissions are not returned, unless requested.

President's Column

Now that summer is upon us and Oregon's diverse wildflowers are in full bloom, I would like to mention a few things which might interest our members. First, at its last meeting, the Board of Directors approved the idea of a Symposium on Oregon's Native Flora. This Symposium (at least in my eyes) would bring together much of the research that has occurred in Oregon dealing with our native flora. The range of topics is intended to reach all audiences and would include rare plant monitoring, plant community studies, non-vascular plant and fungi studies, forest and range issues dealing with native species, taxonomic studies, pollination and reproductive biology studies, landscaping with natives and wildflower photography. Many more topics could be included. This will be a major effort on NPSO's part, and would be similar to the Symposium on Rare Plants in California. Hopefully, NPSO could receive some help from state and federal agencies. It looks like something like this would occur in 1996. If anyone is interested in helping or possibly giving a presentation (It's a great opportunity for graduate students.) please get in touch with me.

I also want to encourage members to get involved in NPSO activities, and to get involved in the decision-making process on public lands. I encourage members to attend field trips and meetings. NPSO offers some of the best field trips, year in and year out, to some of Oregon's unique places. (I wish I could go every weekend.) It's a nice way to meet folks with common interests, and I encourage every member to bring along a friend (especially a non-member) to show her or him what NPSO is all about.

Further, I encourage members to become involved in public land issues. Get on mailing lists for upcoming state and federal agency planning (Range Reform and Eastside EIS are currently going on.), attend public meetings and send in written comments. I work with a federal agency and it is frustrating when the public does not comment. Get involved early in the process, be proactive and volunteer your time. The NPSO must lead in raising the awareness level of native vegetation in the agencies' minds. So often this is an overlooked resource. I would recommend contacting the botanist at the nearest agency, and finding out how you can become involved.

With that, get out and enjoy our native wildflowers!!

Bruce Rittenhouse

NPSO Challenge Cost Share Recipients

The state board of directors awarded two challenge cost shares for \$500 each, at the last board meeting in Ashland. The recipients were the U.S. Fish and Wildlife Service, William Finley Wildlife Refuge, to begin the development of a Willamette Valley Prairie Interpretive Site, and to the Fremont National Forest, to conduct inventories for the Category 1 species Oregon semaphore grass (*Pleuropogon oregonus*). These were the only two groups applying. Hopefully, next year more agencies or groups will apply. Congratulations to the recipients.

Membership Committee Seeks Computer

The Membership Committee's computer, donated three years ago by Forest Farm Nursery, is reaching the end of its life. The Committee is asking for the donation of another machine. Any IBM-type PC (XT or better, with hard disk) is required. The machine must be in good working condition. Contribution is tax deductible. Contact: Dave Dobak (telephone 503-248-9242); e-mail daved@siskiyou.pen.tek.com).

Vernon Holloway, 1912-1994

Vernon Holloway, NPSO member for many years, passed away in May. NPSO members remember many programs presented by Vernon and Celeste Holloway, combining his photography with her botanical study, including comprehensive coverage of the genus *Mimulus* and the family *Orchidaceae*.

Botanical Treasures on Public Lands

Chapter Two

In last month's Bulletin, you read about the busy 1993 field season of the many botanists, students, volunteers and others working for (or with) the "east side" Bureau of Land Management (BLM) districts in Oregon and Washington. The "west side" BLM district folks were also hiking, walking and crawling the public lands of Oregon and Washington "in search of..."

As a review, throughout Oregon and Washington nearly 32,000 acres were inventoried last year involving over 60 different plant species. Discoveries were many, including several notable range extensions. Monitoring of almost 55 species and an array of vegetation plots turned up more new discoveries. All these activities were frequently coordinated and conducted with other federal and state agencies, as well as with universities and private organizations. Read on for the highlights involving some of the botanical treasures on **your** public lands from the Cascades to the coast.

Salem District -- Oregon

Searching for those elusive plants can be a risky business, but there are rewards. After traversing five miles of steep, rocky ridgetops in the vicinity of Mt. Jefferson, the Salem District reported discoveries of three new populations of Gorman's aster (*Aster gormanii*). These C2 plants were found in their subalpine habitat within the original range for this species. However, a species preferring cold water habitats of springs or streams is cold-water corydalis (*Corydalis aqua-gelidae*). During a 100 percent survey conducted in potential habitat areas, two new populations of this C2 plant were located on BLM land, expanding its known range southward.

Larry Scofield, district botanist, reported on monitoring studies which were resumed during 1993 for several C2 species. Gorman's aster (*Aster gormanii*) populations, monitored since 1978, show a tendency to fluctuate depending on annual weather patterns. Trask River shooting star (*Dodecatheon astrofrigidum*), a candidate species since September, 1993 has been monitored by Tillamook RA for two years. Studies show this plant grows between the high and low water mark along the Trask River, and populations fluctuate based on

annual precipitation. Coast Range fawn lily (*Erythronium elegans*) studies, conducted under a challenge cost share agreement with Berry Botanic Garden, show populations may be affected by elk herbivory. Monitoring this summer is designed to help test this theory. Tall bugbane (*Cimicifuga elata*) has been monitored for two years by the Oregon Department of Agriculture (ODA) under another challenge cost share agreement. District personnel are anxiously awaiting the 1993 report for this species which grows along the edge of the Willamette Valley.

Eugene District -- Oregon

The Conservation Strategy for Umpqua green gentian (*Frasera umpquaensis*) has been signed! This well coordinated effort between the Forest Service (Umpqua, Rogue River, Willamette and Siskiyou) and the BLM (Eugene and Medford districts) addresses gentian populations at Upper Elk Meadows Research Natural Area (RNA). Monitoring studies are to be established this year. Inventories conducted in and around the RNA revealed two more subpopulations of this C2 species, which is known to grow in coniferous forests, ranging from moist, shady to open habitats.

Nancy Wogen, district botanist, also reported that population numbers of the endangered Bradshaw's lomatium (*Lomatium bradshawii*) appeared stable. However, 1992 data indicate that recruitment appears limited within the population. Current Transition Matrix Modeling results (by ODA) suggest the population may be in trouble over the long term, so efforts continue to be focused on improving habitat conditions. Predictions should become more accurate through the addition of demographic data over the years.

Roseburg District -- Oregon

New populations of two C2 species were located during Roseburg District inventories last year. Cox's mariposa lily (*Calochortus coxii*) was located along Red Ridge. Wayside aster (*Aster vialis*), thought to be extinct until 1980, was located by Native Plant Society of Oregon (NPSO) volunteers Mildred Thiel and Mary Carlson, along Little River. This was reported as the first wayside aster population ever recorded in this drainage. Congratulations on a nice find!

Tracking population numbers over a period of time was the intent of 1993 ecological status monitoring, initiated for *Calochortus coxii*, and Umpqua mariposa lily (*C. umpquaensis*), a C1

species. Russ Holmes, district botanist, reported that additional monitoring plots need to be established in 1994, before a baseline population estimate can be made. A conservation strategy will also be prepared in 1994 for *C. umpquaensis*, in cooperation with the Medford BLM and the Umpqua National Forest. The strategy will prescribe various management actions intended to remove threats, improve habitat conditions and stabilize population numbers.

Medford District -- Oregon

The Medford District, under the direction of botanist, Joan Seevers, participated in a challenge cost share with the Siskiyou Chapter of the NPSO. The project involved inventorying three annual C2 species known to occupy vernal wet areas, with the main focus on the coral-seeded allocarya (*Plagiobothrys figuratus* ssp. *corallocarpa*). This species, last collected in 1943 by Detling, was thought to be extinct, when, in 1991, Richard Brock rediscovered a small population on public land near Lincoln Flats on the Greensprings east of Ashland. This population was associated with two other C2 species, Bellinger's meadowfoam (*Limnanthes floccosa* ssp. *bellingneriana*), and pygmy monkeyflower (*Mimulus pygmaeus*). The NPSO chapter work was headed by Richard Brock, and 23 populations of the coral-seeded allocarya were located. Two of the "new" populations were on public land, one on BLM land and the other at Rogue Community College. Joan says, "Thanks to the Siskiyou Chapter for **GREAT WORK!**"

The Nature Conservancy provided the Medford District valuable assistance in a recent land exchange action which enabled the Ashland RA to acquire 200 acres of habitat for two C2 species, Green's mariposa lily (*Calochortus greenii*) and Detling's microseris (*Microseris laciniata* ssp. *detlingii*). The block of land lies just to the west of Interstate 5 in the Siskiyou Pass area of southern Jackson County, and has the largest known population of Green's mariposa lily in Oregon. Prior to the exchange, the parcel was destined to be divided up into five acre ranchettes! This would not only have caused destruction of existing habitat on these 200 acres, but would have led to increased recreational use of adjacent public lands, also know to support populations of the lily. That was close!

A statistically designed monitoring plan for Cook's lomatium (*Lomatium cookii*) was developed and implemented in the Grants Pass RA dur-

ing the spring. The site in the Illinois Valley is at French Flat, a proposed ACEC, and is the only known habitat on public land for this lomatium. This area is overlain with placer claims and has had extensive mining since the late 19th century. The study will help determine long-term population trends for this C1 species. Cook's lomatium was newly described in 1986 by Jimmy Kagan of the Oregon Natural Heritage program; the type locality is the Agate Desert near Medford. This species is most similar to Bradshaw's lomatium (*Lomatium bradshawii*), and endangered plant found in the Willamette Valley.

Coos Bay District -- Oregon

Bruce Rittenhouse, district botanist, emphasized their focus on continuing studies of salt marsh bird's-beak (*Cordylanthus maritimus* ssp. *palustris*), a C2 species found growing in a high salt marsh on North Spit. This species may be adversely impacted by vehicle use on existing roads within its habitat, and study objectives will determine level of impacts and population trends.

Identifying and preventing impacts to native plants and the threatened western snowy plover is the district's management objective for controlling European beachgrass (*Ammophila arenaria*). There are plans to begin removing beachgrass, followed by vegetation monitoring to study the effectiveness of the removal and native plant reestablishment. The District is also pursuing local classification of European beachgrass as a noxious weed.

Monitoring of Wolf's evening primrose (*Oenothera wolfii*), (C2), and Waldo gentian (*Gentiana setigera*) (C1) will begin in 1994.

So, as you can see, it was also a busy and productive year for "west side" BLM district offices of the Pacific Northwest. And those were only the highlights! Planning for the 1994 field season is well under way, and expectations are high for many more discoveries and in finding answers to many more questions about the wonderful botanical treasures on public lands.

Barb Masinton
BLM Botanist

Comments Needed For Range Reform EIS

Right now, comments are being sought for the Draft Environmental Impact Statement on Rangeland Reform prepared by the Bureau of Land Management in cooperation with the Forest Service. The NPSO is preparing a statement, but individual members are also encouraged to comment. Comments are due on July 28, and many of you may not have had time to read through the document. Having read through most of the EIS, these are the issues I think should be addressed.

1. LIST OF PREPARERS - Of the 141 preparers listed on pages 5-4 through 13, not one single botanist or ecologist was included. To make matters worse, this included 25 range conservationists (which is not necessarily bad, but some "range cons" do have a reputation). Even worse, 24 management types (district managers, associate district managers, area managers, district rangers and division chiefs) were included. Every discipline except botany and ecology was represented. We should ask that some botanists and ecologists be included in the preparation of the final EIS.

2. SPECIAL STATUS SPECIES - The definition of special status species given on page 3-48 includes species listed by state and federal agencies as threatened, endangered, proposed, candidate, sensitive, of special concern, and any group formally designated as a management concern. Page 3-49 says that a complete list of special status species is given in Appendix F. But, Appendix F only lists species which are federally listed or proposed as of September, 1993, and does not include federal candidates, state listed, BLM and Forest Service sensitive, etc. The definition needs to be changed, or the list extended to include the other species.

Also, if grazing is a recognizable threat to a federally listed species, that species should be afforded protection under the ESA. Many of these species should not be adversely affected by grazing. The species which are being impacted are those other special status species, especially federal candidates and agency sensitive species.

3. SERAL STAGES IN RANGELAND ECOSYSTEMS - The definition of early seral stage on page 3-26 mentions that early seral stages are defined by having 0 to 24 of the potential plant com-

munity present. Based on this definition, that would make cheatgrass (and crested wheatgrass seedlings) stands early seral stages. This is invalid because cheatgrass is considered a fire climax and will NEVER succeed into native-perennial shrub communities. A study in the Idaho National Engineering Laboratory (INEL) by Anderson and Holte (1981) has found that on permanent plots over a 25 year period without grazing (this area was heavily grazed prior to the study) that there has been no evidence of seral replacement among grass species.

Over all, the EIS is a step in the right direction, in managing livestock on public lands. If you want to send comments, mail them to: Rangeland Reform, 1994 EIS, Bureau of Land Management, PO Box 66300, Washington, D.C. 20035-6300, before July 28.

Bruce Rittenhouse
NPSO President

Alnus rhombifolia Seeds Sought

Wild collected seeds of *Alnus rhombifolia* (Nutt.) have been requested by a French arboretum. The Arboretum national des Barres, located near Orleans in northern France, is renewing and upgrading its collection, and requires wild collected seeds for expression of intraspecific variability. Collection from a variety of sites in Oregon would help assure survival in the arboretum's environment.

NPSO members who wish to collect seeds for this project should label them with site identification and date of collection.

Send them to Jan and Dave Dobak, for forwarding to the arboretum. Collectors are reminded to make certain of their identification of *A. rhombifolia* which may be difficult to distinguish from *A. rubra*.

Jan and Dave Dobak
2584 NW Savier St.
Portland, OR 97210

Oregon Initiates Ten Million Dollar Watershed Health Program

Oregon has undertaken an ambitious new program to promote healthy watersheds. This action is primarily a response to endangered species listings, especially salmon, and recognition that our environment needs help. The Watershed Health Program is an interagency effort, with representatives from nine state agencies all working together, and with local communities, to design and implement on-the-ground projects that enhance ecosystem health. The program focuses on two parts of the state at this time -- the Grande Ronde Basin and the South Coast/Rogue Basins, with field offices in each area. The Oregon legislature has committed ten million dollars from the lottery to fund this effort.

The Native Plant Society of Oregon has an opportunity to participate in this program by proposing projects that improve native plant habitat. The process for initiating a project starts with getting involved with local watershed councils. These groups of local citizens are empowered with setting priorities for on-the-ground improvements in their regions, many of which can be funded by the Watershed Health Program. Watershed councils also work with the field teams in our target basins to develop watershed assessments, get technical advice, and prepare grant proposals. So far, the emphasis has been on water quality and salmon issues, but our over all goal is to improve the health of **entire** watersheds, from ridgetop to ridgetop, with benefits to all species. **The program needs input from groups like NPSO to ensure that some parts of our watersheds, like native and endangered plants, are not overlooked.**

Potential projects that improve conditions for native plants could include noxious weed control efforts, endangered species recovery, habitat enhancement, or native plant habitat protection, to name just a few. Our criteria emphasize on-the-ground projects on private land, but even proposals to develop educational programs to inform the public about native plant resources can be considered. There is no set deadline for submitting proposals, but all of the funding for the program must be allocated by June 30, 1995. Please give this some discussion within your local chapter. Even if the program is not focused on your watershed at this time, it may move to your area in the future.

If you would like additional information, please contact me, or your nearest Watershed Health Program field office. Their addresses are: South Coast/Rogue Field Office: Oregon Watershed Health Program, P.O. Box 440, Grants Pass, OR 97526, telephone (503) 471-6514; Grande Ronde Field Office: Oregon Watershed Health Program, 1916 Island Ave., La Grande, OR 97850, telephone (503) 962-504. If you would like someone from the program to make a presentation to your chapter, please let me know!

Tom Kaye
Oregon Department of Agriculture
Telephone: (503) 737-2346

Gold Beach Botanist Recognized

Veva Stansell, Gold Beach botanist, and a long-time member of the Native Plant Society of Oregon, was recognized for her outstanding work in the Threatened, Endangered and Sensitive Species Program, in the Siskiyou National Forest. Her Regional Award was presented on May 26th, at the Open House Celebrating Wildflowers 1994.

Following the presentation, Veva, and other botanists, led the many people attending the program along the newly developed Limpy Creek Botanical Trail, located 20 minutes out of Grants Pass, Oregon. This easy, one mile hiking trail, through riparian and serpentine meadow habitats, is well designed, with bridges in place. Interpretive signs by Larry Crosby, Recreational Specialist, will soon be added.

Charlene Holzwarth
Portland Chapter

The Botanist and Her Muleskinner

An account of the travels of Lilla and John R. Leach, in the Siskiyou National Forest in the nineteen twenties and thirties, is available at the Leach Botanical Garden, 6704 SE 122nd Avenue, Portland, Oregon 97236.

These descriptions of the Leaches expeditions to Curry and Josephine counties were drawn from letters, interviews, Lilla's field notes, a variety of manuscripts, and some published sources, and are accompanied by 25 pictures and maps. Their searches for rare and beautiful wildflowers in southern Oregon, using their favorite burros, Violet and Pansy, to pack their gear, was rewarded by many, extraordinary plants. With her botanical skills, and his camp manager experience, they made an unusually successful research team. Because they were hiking in areas unavailable to other botanists, their searches were rewarded with the opportunity to name many floral discoveries.

Many people will want to own this book for the burro pictures. Descriptions of crossing icy mountain streams with no bridges, and managing pack animals in cougar country capture the flavor of exploring Siskiyou County. Golda Kirkpatrick's recollections of John and Lilla Leach add much to our understanding of southern Oregon's people and places, at the time.

The book is sponsored by the Leach Botanical Garden and the Siskiyou National Forest, and can be purchased at the Garden's new book store for \$7.95. NPSO chapters may want to know that group rates are available for the purchase of ten or more copies. Write to the Garden, or call (503) 761-9503.

Charlene Holzwarth
Portland Chapter

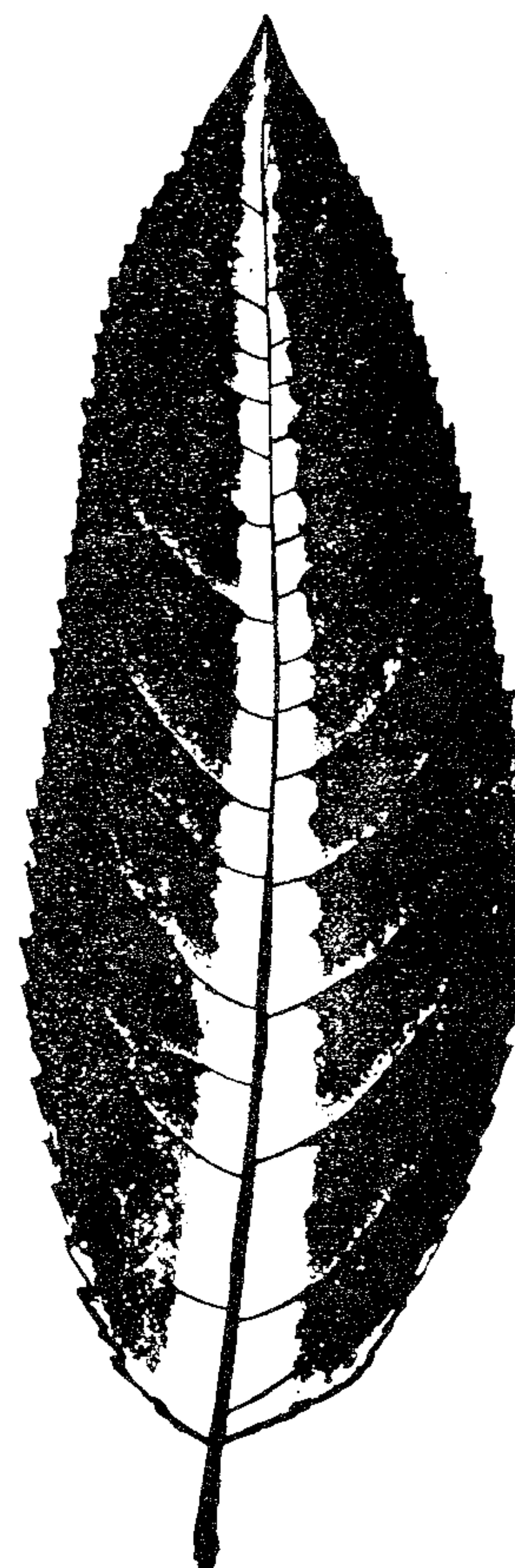
Charlene Holzwarth has modestly omitted saying that she is one of the authors of The Botanist and Her Muleskinner. -- Editor.

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, Oregon 97330



1
cm

There was no correct answer to the June puzzle. So, here it is again. (The best place to hide something is in the open.)