

Bulletin of the  
**NATIVE PLANT SOCIETY of OREGON**

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

Volume 22 No. 4

April 1989

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## CHAPTER NEWS

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

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

### Blue Mountain

2 Apr., Sun.

**Field trip** to Juniper Canyon and Hat Rock on the Columbia. Leave at 8 am from BMCC greenhouse, or at 8:45 am from the weigh station at the junction of Highways 37 and 730. Leader: Karen Kronner (278-1154).

22 Apr., Sat.

**Field trip** to the Oregon Trail near Boardman Bombing Range north of Ione. Leave at 8:45 am from BMCC greenhouse, or at 10 am from the Oregon Trail office next to the grocery store in Ione. Contact: Bruce Barnes (276-5547).

21 May., Sun.

**Field trip** to The Nature Conservancy land on Boardman Bombing Range. This is a joint trip with the Audubon Society from Yakima. Leave at 8:30 am from BMCC greenhouse, or at 9:30 am from the west-bound rest stop on I-84 3 miles west of Boardman. Leader: Karen Kronner (278-1154).

### Corvallis

10 Apr., Mon.

**Meeting.** 7:30 pm at Rm. 4083 Cordley Hall, OSU, Corvallis. Slide show and talk on "Restoring fire as an ecological factor in grasslands," by Dr. Boone Kauffman.

### Emerald

10 Apr., Mon.

**Meeting.** 7:45 pm at Amazon Community Center, 2700 Hillyard St., Eugene. "Wildflowers of Oregon's High Desert." Dr. Stu Garrett will present a slide show of central Oregon plants.

### High Desert

15 Apr., Sat.

**Field trip** to Painted Hills, north of Mitchell, in John Day Fossil Beds National Monument. Easy hike. Leave at 8:30 am from behind McDonald's North, 4048 NE 3rd, Bend. Leader: Stu Garrett (389-6981 or 382-2811).

29-30 Apr., Sat.-Sun.

**Field trip** to Stinkingwater Pass and Hat Butte, featuring spring flowers of the Harney County steppe. Lithosol plant communities in both locations will be examined. Hat Butte is almost ungrazed. Saturday evening film and ethnobotany discussion by the leader. We could leave Friday and carpool, and stay at Malheur Field Station. Call trip leader for details. Leader: Lucile Housley (493-2629).

13 May, Sat.

**Field trip** to Summer Lake, with Oregon Natural Desert Association, to do a botanical survey and plant inventory of the area east of Summer Lake. This is a nesting place for plovers and is being considered for designation as an Area of Critical Environmental Concern by the BLM. Easy hiking after a 2 hour drive. Leave at 8 am from the horseshoe pits at Juniper Park, 7th and Franklin, Bend. Leaders: Alice Elshoff (389-4566) and Al St. John.

15 July, Sat.

**Field trip** to Pringle Falls Research Natural Area.

## Mid-Columbia

- 5 Apr., Wed. **Meeting.** 7:30 pm at Mosier School. Slide show on "Flowers of the Alps," by Dave and Jan Dobak.
- 9 Apr., Sun. **Annual Mosier Wildflower Show**, from 10 am to 5 pm, in coordination with Mosier's Blossom Festival and Firemen's Smorgasbord dinner.
- 3 May, Wed. **Meeting.** 7:30 pm at Mosier School. Slide show on "Uncommon Native Plants of Oregon," by George Lewis.
- 3 June, Sat. **Knapweed Pull.** Meet at Meyer State Park Overlook at 9:30 am, for a day's work pulling the noxious diffuse knapweed (*Centaurea diffusa*).

## North Coast

- 2 Apr., Sun. **Field trip** to Fish Hatchery, Chance Road. Leave at 1:30 pm from Les Schwab Parking Lot in Tillamook.
- 6 Apr., Thurs. **Meeting.** 7 pm at State Office Building, 3600 3rd St., Tillamook. New officers: President Sallie Jacobsen, Vice-President Mignon Johanson, Secretary Margaret Willets, Treasurer Al Krampert.
- 5-7 May, Fri.-Sun. **Field trip** to Hancock Station. **All NPSO members welcome.** Reservations through North Coast Chapter NPSO by 20 April. \$45 per person for the weekend, includes all meals, lodging, and guided tours. Verification of arrival for evening meal Friday needed. Sunday breakfast and sack lunch included. Bring bedding and linens. Send your name, address, and information about Friday arrival to North Coast Chapter NPSO, c/o Alfred Krampert, 5345 Netarts Hwy NW, Tillamook, Oregon 97141.
- For information, contact Clarice Maxwell (842-7023).

## Portland

- 1 Apr., Sat. **Field trip** to Badger Creek west of Dufur. Leave at 8 am from Gateway MAX Park and Ride. Leader: Rick Brown (222-1146).
- 8 Apr., Sat. **Field trip** to Mitchell Point in the Columbia Gorge. Leave at 8:30 am from Gateway MAX Park and Ride. Leader: Dave Dobak (248-9242).
- 11 Apr., Tues. **Meeting.** 7 pm at First United Methodist Church, 1838 SW Jefferson St., Portland. Program on "Oregon's Monkeyflowers," by Celeste and Vern Holloway.
- 15 Apr., Sat. **Field trip** to Rowena Preserve. Leave at 9 am from Burns Brothers Truck Stop on I-84 in Troutdale. Leader: Barbara Robinson (631-2054).
- 22 Apr., Sat. **Field trip** to Mary's Peak near Corvallis. This is a *bus trip* with the Geological Society of Oregon, and *signup is required* by April 1. Cost is \$20, payable by check to GSOC, P.O.Box 8579, Portland 97207. Bring your lunch; there will be no lunch stop. Bus leaves at 8 am from *NE 16th and Clackamas*, and returns by 4 pm. Leaders: Andy Corcoran and Dr. Taylor of OSU. Call Charlene Holzwarth (284-3444) for further details.
- 29 Apr., Sat. **Field trip** to Ridgefield Wildlife Refuge. Leave at 8 am from East Red Lion Inn parking lot at Jantzen Beach, or meet at Ridgefield Refuge parking lot at 9 am. Leader: Charlene Holzwarth (284-3444).
- 6 May, Sat. **Field trip** to Wahkeena Falls Coopey Falls trail. Leave at 8:30 am from south end of K-Mart parking lot at NE 122nd Av. and Sandy Blvd. Leader: Bryan Boyce (282-8863).
- 20-21 May, Sat.-Sun. **Flower show** at Western Forestry Center, 9 am to 5:30 pm.
- 27-29 May, Sat.-Mon. **Field trip** to the Cave Junction area in southwestern Oregon. Leader: George Lewis (292-0415).

## Siskiyou

- 13 Apr., Thurs. **Meeting.** 7:30 pm at Rm. 171, Science Building, SOSC. Program on "Southern Oregon Spring Wildflowers" followed by an update on botanical resource management on Siskiyou and Rogue River National Forests by Wayne Rolle.
- 15 Apr., Sat. **Field trip** with The Nature Conservancy to do 1989 monitoring of *Lomatium cookii* on the Agate Desert Preserve. A good opportunity to see our great vernal pool habitat and spring wildflowers, and to take part in science-in-action. Leave at 10 am from Touvelle State Park. Leader: Darren Borgias (482-8196).



- 23 Apr., Sun. **Field trip** to Upper Table Rock. Leave at 9 am from Touvelle State Park. Leaders: Darren Borgias and Bob Quaccia (482-1143).
- 11 May, Thurs. **Meeting.** 7:30 pm at Rm. 171, Science Building, SOSOC. Program on "An Unusual Flora: the Australian *Proteaceae*" presented by Dr. Rob Whelan, University of Wollongong, New South Wales, Australia.

## Willamette Valley

*Please notify the trip leader if you plan to go on any Willamette Valley Chapter field trip.*

- 1 Apr., Sat. **Field trip** to Baskett Slough, 10 miles west of Salem. Leave at 8 am from South Salem K-Mart. Easy hike. Leader: Frances Shaeffer (393-7492).
- 12-14 Apr., Wed.-Fri. **Field trip** to Table Rocks, north of Medford. Possible side trips to other areas of botanical interest. Leader: Wilbur Bluhm. Contact Wilbur (393-2934) or Barbara Halliday (371-1025) for departure times and additional information.
- 17 Apr., Mon. **Meeting.** 7:30 pm at First United Methodist Church, corner of SE Church and State Sts., Salem (use the Church St. entrance). Dr. Henrietta Chambers will present a slide program based on the book, *Wildflowers of the Western Cascades*, of which she is co-author. This will be the last meeting until the fall.
- 22 Apr., Sat. **Field trip** to Fanno Meadows, in Coast Range west of Dallas. Orientation trip for cooperative plant inventory and rare plant monitoring program with The Nature Conservancy. Easy to moderate hike. Leave at 8 am from South Salem K-Mart. Leader: Berta Youtie, of TNC. For information, contact Clint Urey (743-2802) or Barbara Halliday (371-1025).
- 29 Apr., Sat. **Field trip** to Mill Creek in the eastern Coast Range foothills. Joint trip with Salem Audubon Society. Easy hike. Leave at 8 am from South Salem K-Mart. Leader: Clint Urey (743-2802).
- 20 May, Sat. **Field trip** to Horse Rock Ridge at western edge of Cascades, east of Brownsville.
- 27-28 May, Sat.-Sun. **Field trip** to the upper Umpqua River area, to see *Kalmiopsis* and much more!
- If you want to be notified about unscheduled mid-week trips, call Clint Urey (743-2802) or Glenn and Barbara Halliday (371-1025).

## Wm. Cusick

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

## Reception to Honor Julie Kierstead

Julie Kierstead resigned as Director of Conservation of the Berry Botanic Garden in February. She has moved to California.

The Berry Botanic Garden is hosting a reception in her honor April 7 at 8 pm, at the Portland Garden Club. NPSO members are invited to attend.

## "Peck" for Sale

A copy of *A Manual of the Higher Plants of Oregon*, by Morton Peck, second edition, is for sale. Condition is excellent. It will be sold to the highest bidder. Closing date for bids is May 1. Sale proceeds will be donated to NPSO.

Contact:

Edward Thatcher  
1812 Villard  
Eugene, Oregon 97403

## Landscaping with Natives Meeting

Saturday April 8, the Willamette Valley Chapter will host a meeting of the Statewide Subcommittee on **Landscaping with Native Plants**. The meeting will be from 10 am to noon, at the Oregon State Parks office at 525 Trade Street, SE, Salem, on the 3rd floor. From I-5 take the Mission St. (Hwy. 22) exit toward city center. Proceed 3 miles on Mission, then turn right on Church St. Go past Trade St. and turn left into the parking lot.

All who are interested in the subject are invited to attend. For more information, call Sallie Jacobsen (842-4350).



## New Bulletin Editor Sought

After three years as Editor, Jan Dobak has decided it is time for someone else to be Editor. A new Editor brings fresh vigor and new ideas to the *Bulletin*. Being Editor is a rewarding and enlightening experience, and a terrific way to learn more about NPSO and to meet members from all over the state.

No previous experience in editing a publication is required, nor is it necessary to have professional training in botany. Training will be provided, and a comfortable transition will be organized.

The *Bulletin* is prepared for publication using a Macintosh computer. It is, therefore, required that the Editor learn to use this tool. The machine is available for the Editor's personal use as well. During the past year, the transition to computer-aided publishing has begun, and it is expected that the next Editor will continue toward the goal of a fully computer prepared publication.

The Editor can live anywhere in the state. The task is not linked to the Portland area.

If interested, please call or write:

Jan Dobak  
2584 NW Savier Street  
Portland, Oregon 97210  
248-9242



*Kalmiopsis leachiana*.

(Illustration from *Threatened and Endangered Vascular Plants of Oregon: An Illustrated Guide*.)

## Some More "New" Weeds in Oregon

by Don Eastman, Willamette Valley Chapter

Peter Zika's new article in the February 1989 NPSO *Bulletin* has raised considerable interest and some curiosity regarding some of the introduced species of wildflowers in Oregon. In times past it was somewhat difficult to determine what was truly a wildflower and what wasn't. Generally, it is assumed that if a plant appears in Peck or in Hitchcock & Cronquist it is an established wildflower, be it a native, an introduced weed, or a cultivated escapee that has successfully become established in an unusual, or an unexpected, uncultivated place. Since the aforementioned texts are rapidly becoming outdated (28 years and 16 years, respectively) it is time to modernize the information relating to the subject. Peter is to be commended for his article opening the doors for this updated information.

Additional information pertaining to the species mentioned by Peter in the February *Bulletin*:

*Arum italicum* L. (Araceae). Cuckoo-pint has been observed for several years in a roadside ditch in Yamhill County, at the the McMinnville-Amity-Dayton junction about four miles east of McMinnville and one mile south of Highway 18. It grows deep in the ditch, not observed by the casual passer-by. There may be more than a hundred plants, and as previously stated it does resist mowing and herbicides, and competes well in a ditch full of grass and weeds.

*Centranthus ruber* (L.) DC. (Valerianaceae). Red valerian is quite plentiful growing wild along Highway 101 on the north side of the Rogue River in the vicinity of Wedderburn.

*Narcissus* sp. (Liliaceae). Wild daffodils and narcissus are very common in Yamhill County and toward the coast. A varied stand of several different ones may be seen along the north side of Highway 99W as it passes over Rex Hill east of Newberg.

Some additional species seen growing wild that are unlisted in either Peck or Hitchcock & Cronquist:

*Colchicum autumnale* (Liliaceae). Fall crocus, or meadow saffron, has been seen growing wild along the north side of the Corbett-Crown Point highway about one-quarter mile east of Chanticleer Point in east Multnomah County. It blooms very late in the year (September), is very beautiful in its soft colors, and is said to be very poisonous, too.

*Crocus vernus* (Iridaceae). This crocus has been observed growing wild along the shore side of Highway 101 north of Wheeler. It was blooming in April. It was white with purple veins.

*Tritonia crocosmiiflora* (Iridaceae). Montbretia grows in several sites in the wild along the Oregon coast. An especially healthy stand of it has been seen near Heceta Head. It blooms late in the year, usually in September. Its bright orange flowers make quite a display when found in large numbers.

*Tunica prolifera* (L.) Scop. (Caryophyllaceae). Wild carnation is an introduced species from the Mediterranean region. It is known more commonly as a wildflower in California, and has been found growing wild in the Rough and Ready Botanical area south of Cave Junction in Oregon. It was quite plentiful, and was blooming in May within 100 feet of the west side of Highway 199.

Now would be a good time to start an update of Oregon's introduced species of wildflowers.



# Washington Native Plant Society 1989 Spring Study Weekend

Don't miss the 1989 Spring Study Weekend, to be held May 19-21 at Brooks Memorial Environmental Learning Center, located just south of Status Pass and about 13 miles north of Goldendale on the east side of US 97. (Brooks Memorial State Park is located on the west side of US 97). See map for details.

The Study Weekend will offer a variety of field trip options and several workshops on Saturday and Sunday, plus lecture and slide programs and discussions on both Friday and Saturday evenings. All field trips will be limited in group size to minimize the impact on the sites.

There are two workshops scheduled:

- Plant community classification, by Dr. Rex Crawford
- Nature and plant photography, by Mike Fahey.

The tentative evening program schedule will include a talk by Stuart Chapin on the activities of the Columbia Gorge Commission, of which he is a member, a talk on plant communities and forest planning, and a talk on wetlands in the Gifford Pinchot National Forest.

The group will have use of a large dining and meeting hall with a fully equipped kitchen. Accommodations will be a series of small cabins which sleep 10 persons each. You need to provide your own bedding and towels.

Cost of the weekend will be \$35 per person. This includes accommodations for Friday and Saturday nights and five meals: breakfast, sack lunch, and dinner on Saturday; breakfast and sack lunch on Sunday. For anyone who wishes to participate in the weekend but wishes neither the accommodations nor meals provided, there will be a registration fee of \$10.

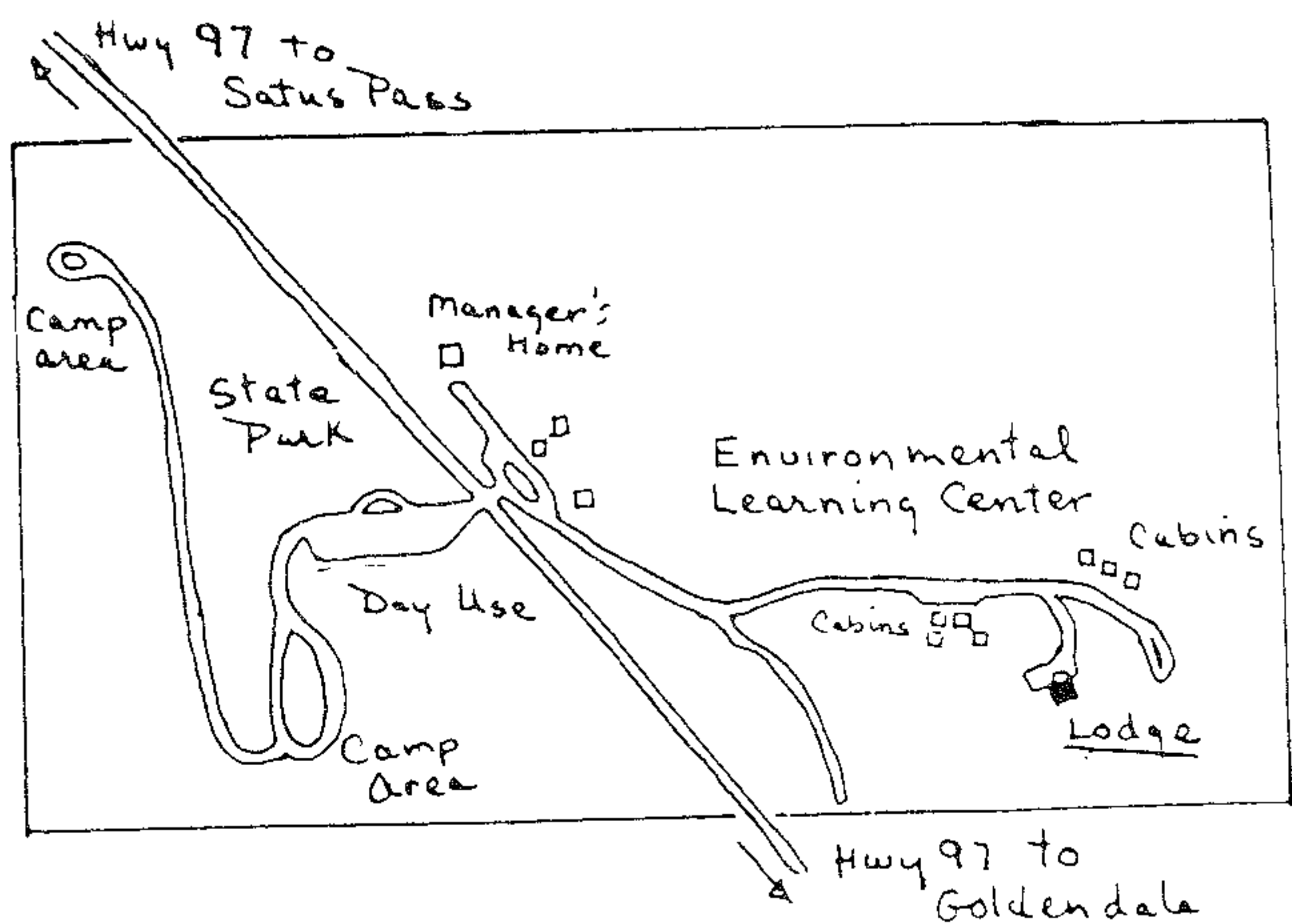
Social hour and check-in will begin on Friday at 6 pm. No dinner will be provided. The Friday evening program will begin at 7:30 pm. A complete schedule of events and field trip sign-up will be available upon check-in.

*NPSO members are welcome.*

For more information, call Lee Ellis (206-363-0783).

Reservations and checks payable to WNPS are due by *May 5*, and should be sent to:

Grace Patrick  
6110 183rd Place SW  
Lynnwood, Washington 98037



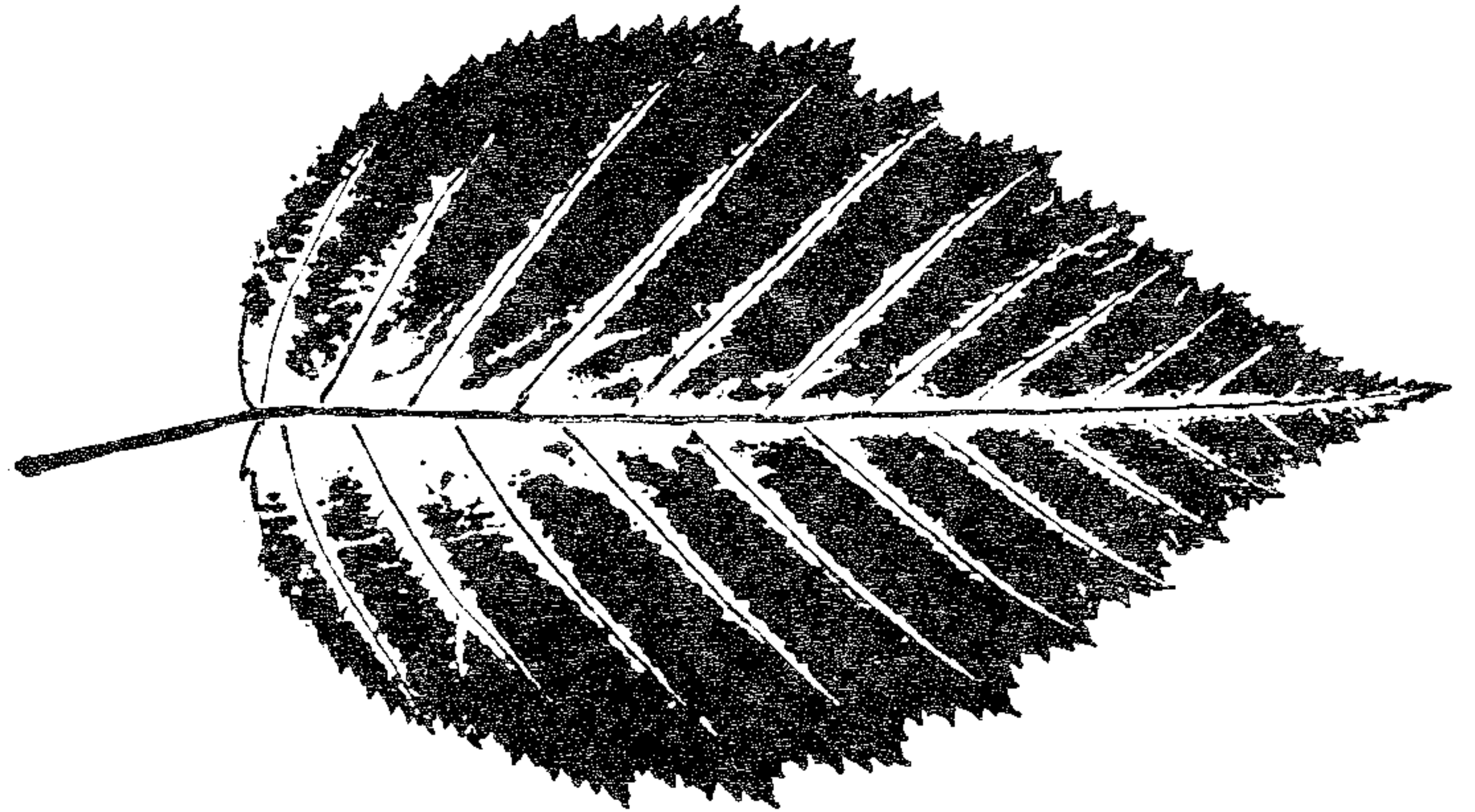
## PLANT PUZZLE

Sponsored by the Emerald Chapter

Can you name this plant? The first person to give the correct scientific name will win a prize. The leaf illustration is from a woody plant growing wild in Oregon.

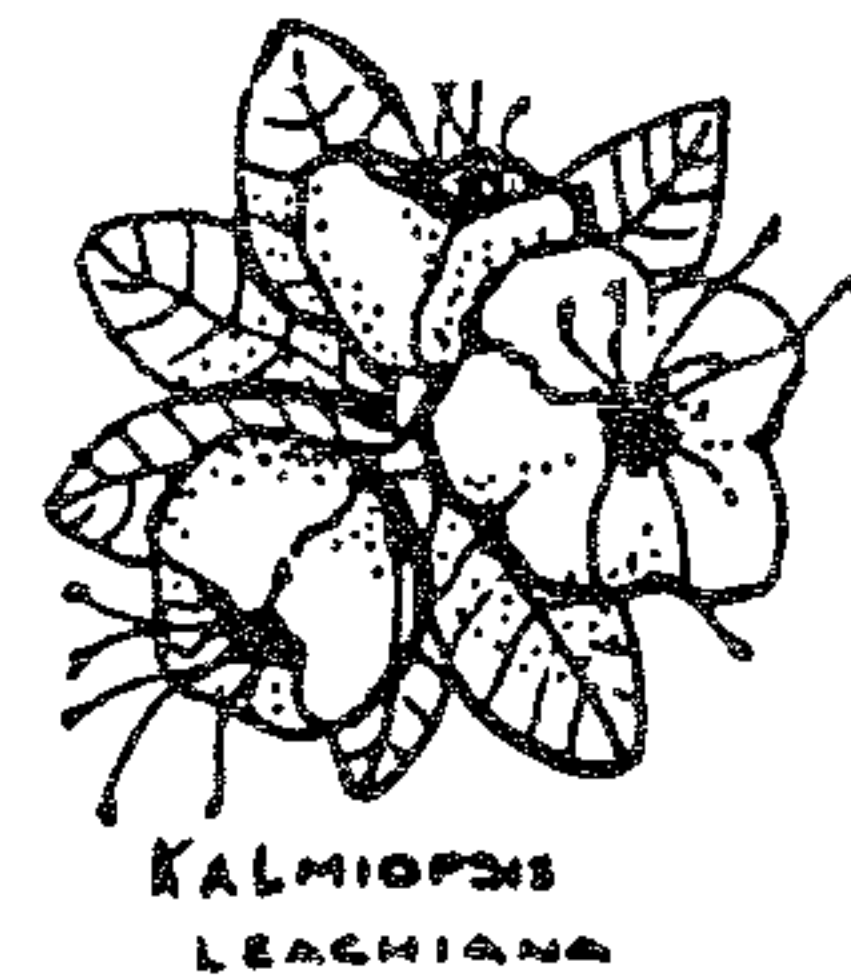
Send your guess on a postcard to:

Peter Zika  
28681 Peoria Rd.  
Halsey, OR 97348



1  
cm

February's prize winner was Dorothy Barr of Lake Oswego, who correctly identified Myrica californica, Pacific wax myrtle.



Leach Botanical Garden is seeking volunteers to serve on a committee to develop a native bog garden. Opportunities include planning, planting, construction or propagation of plant materials to be used in the bog. A minimum commitment of 4 meetings per year.

Contact Bonnie Brunkow, 761-9503



## COWS COMING BACK TO CATHERINE CREEK?

Yes, it's possible. Unthinkable, but possible. Whether or not it happens may depend on how much we care about the area.

### Acquisition of the Lauterbach Ranch

In 1984, the Portland Chapter was preparing to help the BLM build a fence around a 40-acre parcel of federal land at Catherine Creek. The object was to protect rare plants such as Navarretia tagetina from the effects of cattle grazing. Just at that time, however, the Trust for Public Land (TPL) began negotiations which eventually led to purchase of the 1900-acre Lauterbach Ranch, adjacent to the BLM parcel. Since the prospective acquisition of the ranch by TPL would make the BLM fence unnecessary, the fencing party was cancelled.

The principal reason for TPL's interest in the Lauterbach Ranch was the need for protection of the botanical values of the area, documented in Lois Kemp's comprehensive list of plants, including seven species listed by the Washington Natural Heritage Program:

<u>Lomatium suksdorfii</u>	Threatened
<u>Penstemon barrettiae</u>	"
<u>Navarretia tagetina</u>	"
<u>Collinsia sparsiflora</u> var. <u>bruciae</u>	Sensitive
<u>Githopsis specularioides</u>	"
<u>Meconella oregana</u>	"
<u>Spiranthes romanzoffiana</u> var. <u>porrifolia</u>	"

In addition, four species on the Monitor List are found at Catherine Creek: Allium amplexans, Suksdorfia violacea, Dodecatheon poeticum, and Lupinus latifolius var. thompsonianus.

In 1985, the Lauterbach Ranch was acquired by TPL and the cattle were taken off the land. For the first time in well over 100 years, the slopes at Catherine Creek were free of domestic stock and the slow healing process could begin. The following year, Congress created the Columbia River Gorge National Scenic Area, and the 40-acre BLM parcel came under Forest Service jurisdiction. In 1987, the Lauterbach Ranch was acquired by the Forest Service with funds appropriated by Congress, and it, too, became national forest land.

### The Present Situation

For the last four years, people could come to visit Catherine Creek in the spring without encountering cows, cowpies, trampled and cropped wildflowers, moist areas turned to morasses, muddy cow trails, and devegetated streambanks. We have never seen it looking so good. Plants which cattle love to eat, such as Balsamroot, Mariposa Lily, native bunchgrass species, and others, can start a comeback. A return to a grazing regime would seem inconceivable.

### Proposed Return of Cattle to Catherine Creek

However, at a January meeting of the Gorge Commission, one of the commissioners suggested that cattle should be returned to the Catherine Creek area in order to reduce a supposed increase in fire hazard. No documentation was offered, but two Forest Service representatives immediately responded with assurances that a grazing management plan would be developed for the area!

### The Prescribed Burning Option

The Forest Service representatives may have forgotten that a common method for reducing fire hazard in grassland is prescribed burning. In fact, the Forest Service is expert at prescribed burning of grassland. Thousands of acres of grassland on the Ochoco, Wallowa-Whitman, and other national forests are routinely burned under controlled conditions. Furthermore, unlike grazing, burning is actually beneficial to the area's native plants, all of which have evolved under conditions of periodic grass fires. Prescribed burning treatment could be applied selectively to those parts of the Catherine Creek area where it was judged to be needed, rather than to the area in general. As a matter of fact, provision for prescribed burning is included in the management plan of the Tom McCall Nature Preserve.

### Proposal for a Botanical Preserve

Unfortunately, the Forest Service may not appreciate the importance of the botanical resources of the Catherine Creek area. They may feel that dedicating 2000 acres of poor quality grazing land as a botanical preserve in the National Scenic Area is a waste of grass. If so, they ignore the main reason for TPL's purchase of the Lauterbach Ranch in the first place, namely, to improve protection of its many special plant species and to allow the area to recover from more than a century of grazing. Many native plants were just "hanging on" in spite of the grazing, but with the cows gone they are now thriving. To put things in perspective, almost all of the grassland in the east Gorge is currently available for grazing. The only significant exceptions are the Catherine Creek area and the Tom McCall Preserve-Mayer State Park complex on the Oregon side.

A recent report to the Gorge Commission by the Washington Natural Heritage Program recommends that the Forest Service develop a management plan for the Catherine Creek area "...directed toward maintaining the site's natural diversity, improving the condition of the plant communities and maintaining viable populations of rare plant and animal species. Fencing, gating, and restricting use should be the focus of management." Grazing was judged "not com-



patible" with the recommended goals. They state that grazing would, among other things, promote continued invasion of the Catherine Creek area by alien plants, which would eventually "...degrade the site to a poor and unrecoverable condition."

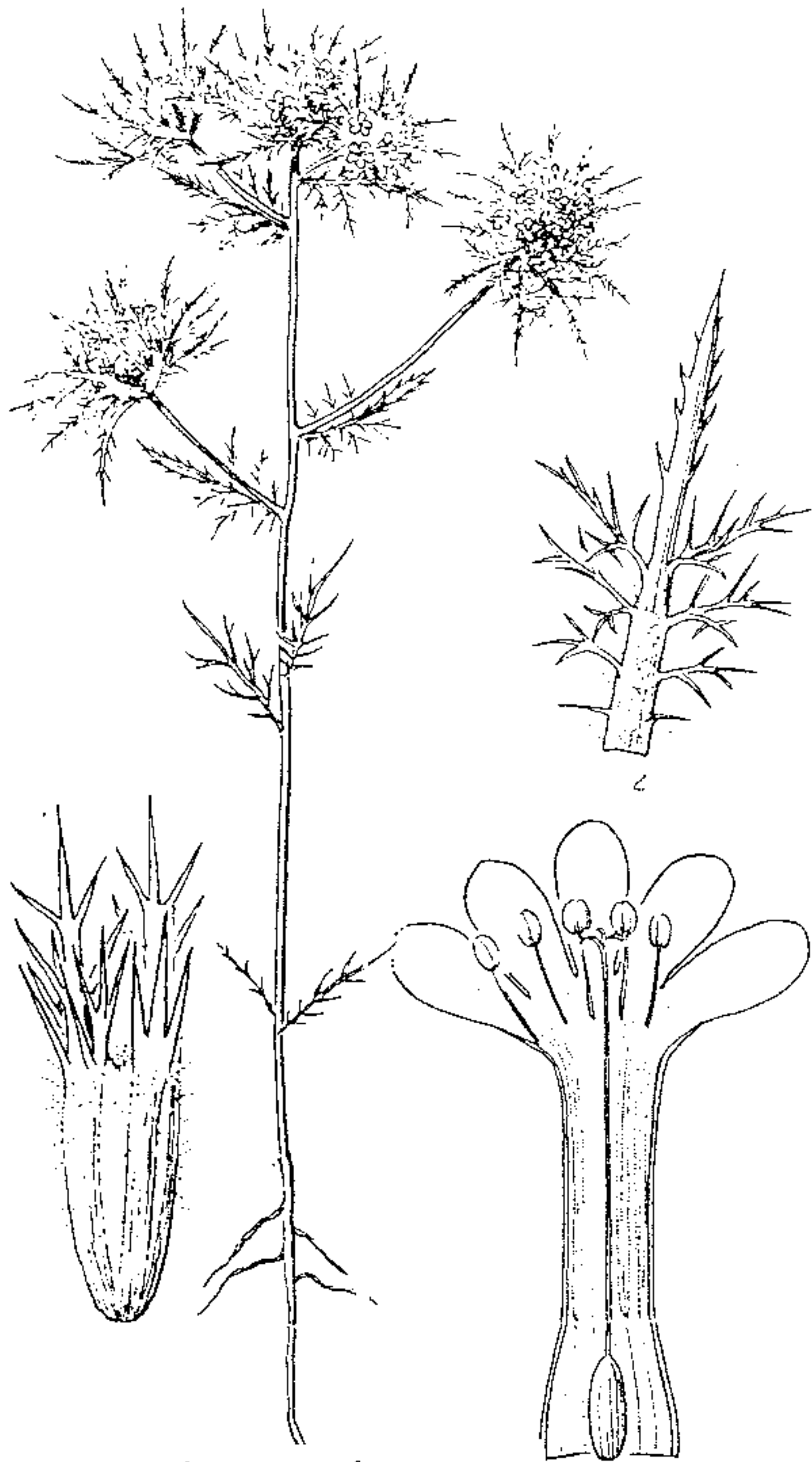
Please Write

If we don't want the cattle back at Catherine Creek, we must tell the Forest Service, and tell them why. Please write the Forest Service and the Gorge Commission, recommending that the national forest land at Catherine Creek be managed as a botanical Special Interest Area, without cattle grazing, to secure the best possible protection for the native plant communities. Address your letters to:

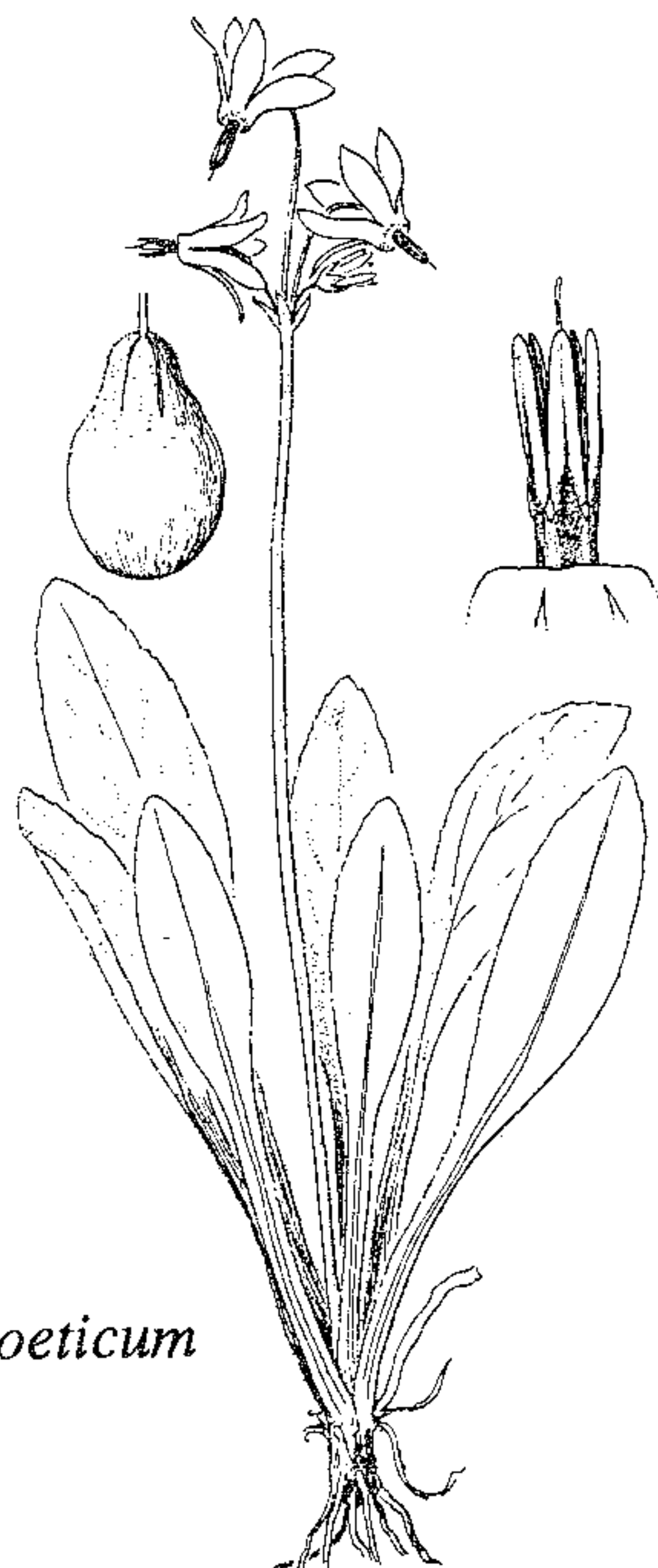
Art DuFault, Manager  
Columbia River Gorge National Scenic Area  
Waucoma Center  
Hood River, OR 97031

Dick Benner, Executive Director  
Columbia River Gorge Commission  
P.O. Box 730  
White Salmon, WA 98672

--Russ Jolley, Portland Chapter



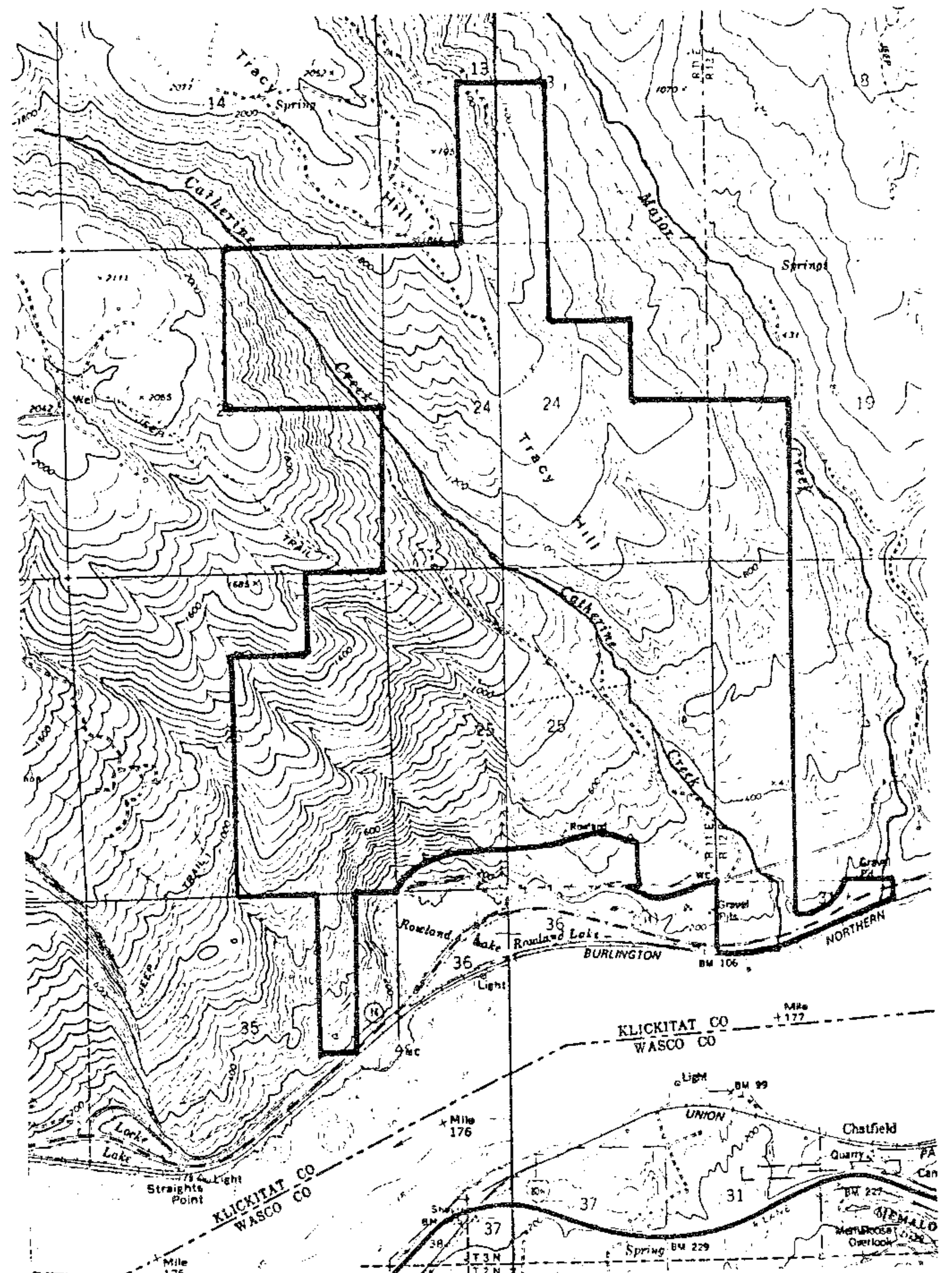
*Navarretia tagetina*



*Dodecatheon poeticum*



*Githopsis specularoides*



THE LAUTERBACH RANCH AT CATHERINE CREEK  
(NOW NATIONAL FOREST LAND)

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



SOME OREGON GRASSES THAT ARE  
"NOT IN HITCHCOCK & CRONQUIST"

When a vagrant plant species arrives, by some means, in Oregon and establishes itself as a more or less permanent resident, it becomes a part of the state's flora. At some point in time, perhaps years after its arrival, the species is "discovered" by alert botanists (any reader of this article could make such a discovery, in fact), a dried specimen is perhaps placed in an herbarium, and a note may be published announcing the arrival of the newcomer. When the reference manual "Flora of the Pacific Northwest" was written, the authors C. L. Hitchcock and A. Cronquist were intent on listing the total flora, and they therefore did their best to include all the exotic species which had become naturalized in our region. But the immigrants have continued to arrive, and earlier arrivals have been discovered, after the publication of their book (1976 revision). As a result, more and more species are noted each year that are "not in Hitchcock & Cronquist," meaning that if you happen to find such a plant, you may have a hard time naming it! Since grasses may be hard to identify in any case, I want to call attention to four introduced (non-native) grass species which are not mentioned by Hitchcock & Cronquist nor by M. E. Peck in "A Manual of the Higher Plants of Oregon."

Paspalum dilatatum Poir. is a common pasture grass ("water grass" or "Dallis grass") widespread over much of the eastern and south-central United States. It is becoming a frequent roadside grass in western Oregon, for example on Interstate 5 near Salem, and on Highway 101 in Coos County. It is a larger, coarser grass than the native species Paspalum distichum L., and has more numerous spike-like branches forming the inflorescence.

Danthonia pilosa R. Br. is an Australian grass that was discovered at Pistol River State Park, Curry County, in 1982. It was already known from California (Munz & Keck, "A California Flora," pg. 1516), and is a relative of our native oatgrasses such as Danthonia californica Boland. It is distinguished by having pilose hairs on the backs and margins of its lemmas.

Munroa squarrosa (Nutt.) Torr., known as "false buffalograss," was collected in 1985 as a roadside weed in Malheur County, 12 miles west of Vale. Its native range is throughout the Great Plains, from Canada to Texas, and west to Utah, southern Nevada, and California. Its tight clusters of spikelets, hidden in the leaves, break off the plant at maturity and blow around like miniature tumbleweeds, dispersing the seeds.



Paspalum dilatatum (illustration from "Manual of the Grasses of the United States," Govt. Printing Office, Washington, D.C.)



Crypsis schoenoides (bar equals one cm)



Crypsis schoenoides (L.) Lam. is an annual species, native to the Mediterranean region, which was first found in Oregon in 1976, on the shores of Emigrant Lake, Jackson County, near Ashland. It is otherwise most common in California, where it frequently grows with its relative Crypsis vaginiflora (Forsk.) Opiz (known in most books as Crypsis niliaca). It also has a close relative in Oregon (likewise introduced from the Mediterranean) named Crypsis alopecuroides (Pill. & Mitterp.) Schrad., and at Emigrant Lake the two of them actually grow together. This latter species is listed by Hitchcock & Cronquist, but under a different name: Heleochloa alopecuroides (pg. 644). It probably arrived in Portland early in the century, in ship's ballast, and has been spreading through western Oregon ever since. Both Crypsis species love the sandy or muddy shores of

rivers and lakes, and they may travel as seeds on the muddy feet of various aquatic birds. They strongly resemble the meadow-foxtail genus Alopecurus, but have free (not fused) glumes and no bristle (awn) on their florets. The accompanying illustrations show that in C. schoenoides, the inflorescence protrudes from the upper leaf-sheath and is 1-5 times as long as broad, whereas in C. alopecuroides, the inflorescence (spike) may be exerted and is 7-8 times as long as broad.

It would be scientifically useful if interested botanists would make note of additional occurrences of these and other non-native, weedy species, as a contribution to our knowledge of how fast and how far exotic plants can spread in a newly adopted homeland.

Kenton L. Chambers  
Oregon State University



Crypsis alopecuroides (bar equals one cm)



Continuing with the listing of Review List species which especially need to be searched for this field season, the following are those which begin blooming in May-June. Also see the March Bulletin for species which begin blooming in March-April, as some of them continue to bloom into May-June.

Many of these taxa are known only from old herbarium collections with few, if any recent sightings reported. They need to be field-checked, and we need your help.

PLANTS BLOOMING IN MAY-JUNE FOR FIELD-CHECKING

NORTHWEST OREGON

		<u>Blooms</u>	<u>Historically known from:</u>
<u>Calamagrostis crassiglumis</u>	Thurber's reedgrass	June-July	"Alaska to California"
<u>Carex livida</u>	pale sedge	May-July	Lincoln, Clackamas, Multnomah
<u>Castilleja miniata</u> var. <u>dixonii</u>	Dixon paintbrush	May-August	Clatsop
<u>Castilleja rupicola</u>	cliff paintbrush	June-August	Multnomah, Linn, Lane, (Deschutes)
<u>Corallorhiza trifida</u>	yellow coralroot	June-August	?Multnomah, ?Lane (Wallowa, Baker, Grant)
<u>Equisetum fluviatile</u>	water horsetail	June-September	Multnomah, Clackamas, Marion, Lane, Benton (+ NE)
<u>Eriophorum chamissonis</u>	russet cottongrass	May-August	Clatsop, Tillamook, Lincoln, Lane (Coos)
<u>Eriophorum polystachion</u>	many-spiked cottongrass	June-August	Hood River, Clackamas
<u>Hackelia diffusa</u> var. <u>diffusa</u>	diffuse stickweed	June-August	Hood River
<u>Hieracium canadense</u>	Canada hawkweed	June-August	Multnomah-Columbia (Sauvie Is., 1890)
<u>Lileopsis occidentalis</u>	western lileopsis	June-July	Coast, Tillamook (Douglas, Coos, Curry)
<u>Lloydia serotina</u>	alp lily	June-August	Clatsop (Wallowa, Harney)
<u>Pleuricospora fimbriolata</u>	fringed pinesap	June-August	Tillamook, Lincoln, Linn, Lane, Benton, Marion (SW)
<u>Ranunculus macounii</u>	Macoun's buttercup	May-July	Multnomah, Clackamas, ?Clatsop
var. <u>oreganus</u>			
<u>Rubus acaulis</u>	nagoonberry	June-July	? Mt. Hood
<u>Spiranthes porrifolia</u>	western lady-tresses	May-August	Lane, Marion, Clackamas (+SW, SE)
<u>Tiarella laciniata</u>	lacinate tiarella	May-July	Multnomah
<u>Trifolium howellii</u>	Howell's clover	June-August	Lane (Douglas, Josephine, Jackson, Klamath)

NORTHEAST OREGON

<u>Allium geyeri</u> var. <u>geyeri</u>	Geyer's onion	May-June	Wallowa
<u>Arabis davidsonii</u>	Davidson's rockcress	June	Baker
<u>Astragalus eucosmus</u>	elegant milkvetch	June-August	Grant
<u>Astragalus reventiformis</u>	Yakima milkvetch	May-July	Sherman (1882 collection)
( <u>A. reventus</u> var. <u>canbyi</u> )			
<u>Camissonia pygmaea</u>	dwarf evening primrose	June-July	Wasco, Wheeler
<u>Carex nova</u>	new sedge	June-August	Grant, Umatilla
<u>Castilleja rupicola</u>	cliff paintbrush	June-August	Deschutes (Multnomah, Linn, Lane)
<u>Clematis columbiana</u>	Columbia clematis	May-July	Wallowa, Union
var. <u>columbiana</u>			
<u>Corallorhiza trifida</u>	yellow coralroot	June-August	Wallowa, Baker, Grant (?Multnomah, ?Lane, Harney)
<u>Corydalis caseana</u>	Cusick's corydalis	June-August	Baker, Union
var. <u>cusickii</u>			
<u>Cryptantha vivipara</u>	cushion or ball cryptantha	May-June	Sherman (1 collection)
<u>Cryptantha spiculifera</u>	bristly cryptantha	May-July	Wheeler, Baker (Malheur)
<u>Equisetum fluviatile</u>	water horsetail	June-September	Umatilla (+NW)
<u>Frasera albicaulis</u>	Idaho frasera	May-June	Wallowa, Baker [watch var. ID]
var. <u>idahoensis</u>			
<u>Hackelia diffusa</u> var. <u>cottonii</u>	diffuse stickweed	June-August	Wasco, Jefferson, Deschutes
<u>Hackelia hispida</u>	rough stickweed	May-June	Wallowa, Baker
<u>Hedysarum boreale</u>	northern hedysarum	May-August	Wallowa
<u>Hymenopappus filifolius</u>	Columbia cutleaf	May-July	Wasco
<u>Lewisia columbiana</u>	Columbia lewisia	May-August	Wallowa
var. <u>wallowensis</u>			
<u>Liparis loeselii</u>	Liparis	June	(Klickitat, Wn.; look for in OR)
<u>Listera borealis</u>	northern twayblade	June-July	Wallowa
<u>Lloydia serotina</u>	alp lily	June-August	Wallowa (Clatsop, Harney)
<u>Vachaerocarpus californicus</u>	fringed or star waterplantain	June-August	Crook, Wheeler (Jackson, Klamath, Lake, Harney)



<u>Mimulus puliferae</u>	Pulsifer's monkeyflower	May-July	"east base of Cascades" (+ NW, SW)
<u>Mimulus washingtonensis</u>	Washington monkeyflower	May-September	Wheeler, Grant, Wallowa
<u>Nicotiana attenuata</u>	coyote tobacco	June-September	Deschutes, Grant, Baker (+SE)
<u>Penstemon deustus</u> var. <u>heterandra</u>	hot-rock penstemon	May-July	Wallowa (Lake, Harney, Malheur)
<u>Penstemon deustus</u> var. <u>variabilis</u>	variable penstemon	June-July	Wasco, Umatilla, Grant, Wheeler, Deschutes, Wallowa
<u>Penstemon payettensis</u>	Payette penstemon	May-August	Wallowa, Baker, Union
<u>Penstemon seorsus</u>	short-lobed penstemon	May-July	Baker (Jefferson, Crook, Harney, Malheur)
<u>Peraphyllum ramosissimum</u>	squaw apple	May-June	Crook, Grant, Baker
<u>Petrophytum caespitosum</u>	Rocky Mt. rockmat	June-August	"ne Oreg."
<u>Scheuchzeria palustris</u> var. <u>americana</u>	scheuchzeria	May-July	Wasco, Deschutes (Klamath)
<u>Townsendia parryi</u>	Parry's townsendia	May-August	Wallowa
<u>Townsendia scapigera</u>	ground daisy	May-June	?Jefferson (Malheur)

### SOUTHWEST OREGON

<u>Brodiaea crocea</u>	yellow brodiaea	May-June	Josephine, Jackson
<u>Calamagrostis crassiglumis</u>	Thurber's reedgrass	June-July	"Alaska to California"
<u>Cochlearia officinalis</u> ssp. <u>oblongifolia</u>	spoonwort, scurvygrass	June-August	Coos, Curry
<u>Cryptantha milobakeri</u>	Milobaker's cryptantha	May-July	Jackson, Josephine
<u>Cryptantha simulans</u>	pine woods cryptantha	June-July	Jackson, Klamath (Lake, Harney)
<u>Downingia montana</u>	Sierra downingia	May-August	?Klamath
<u>Eriophorum chamissonis</u>	russet cottongrass	May-August	Coos (Clatsop, Tillamook, Lincoln, Lane)
<u>Hieracium parryi</u>	Parry's hawkweed	May-August	Douglas, Curry, Josephine, Jackson, Klamath
<u>Juncus abjectus</u>	least rush	June-July	Josephine (Harney, Lake)
<u>Juncus gerardii</u>	mud rush	June-September	Coos
<u>Leucothoe davisiae</u>	western leucothoe	June-July	Curry, Josephine
<u>Lileopsis occidentalis</u>	western leucothoe	June-July	coast- Douglas, Coos, Curry (Tillamook)
<u>Lithophragma campanulatum</u> ( <u>L. heterophylla</u> )	hill star	May-August	Curry, Josephine, Jackson, Klamath
<u>Machaerocarpus californicus</u>	fringed or star waterplantain	June-August	Jackson, Klamath (Lake, Harney; Crook, Wheeler)
<u>Mimulus pulseriae</u>	Pulsifer's monkeyflower	May-July	Douglas, Josephine, Jackson, Klamath (+NW)
<u>Navarretia tagetina</u>	marigold navarretia	May-June	Douglas, Josephine, Jackson
<u>Nicotiana bigelovii</u>	Indian tobacco	May-October	Douglas, s. Klamath
<u>Plagiobothrys glyptocarpus</u>	sculptured allocarya	May-June	Jackson, Klamath
<u>Pleuricospora fimbriolata</u>	fringed pinesap	June-August	Curry, Coos, Douglas, Josephine, Jackson (+NW)
<u>Sanicula peckiana</u>	Peck's snakeroot	May-August	Josephine, Curry
<u>Scheuchzeria palustris</u> var. <u>americana</u>	scheuchzeria	May-July	Klamath (Wasco, Deschutes)
<u>Sedum stenopetalum</u> var. <u>ciliolum</u>	narrow-leaved stonecrop	May-July	Douglas, Josephine, ?Curry, ?Jackson
<u>Silene grayii</u>	Gray's campion	June-August	Curry, Josephine, Jackson
<u>Smilax californica</u>	California smilax	May-June	Curry, Josephine, Jackson
<u>Spiranthes porrifolia</u>	western lady-tresses	May-August	Curry, Josephine, Jackson (+NW, SE)
<u>Trifolium howellii</u>	Howell's clover	June-August	Douglas, Josephine, Jackson, Klamath (Lane)

### SOUTHEAST OREGON

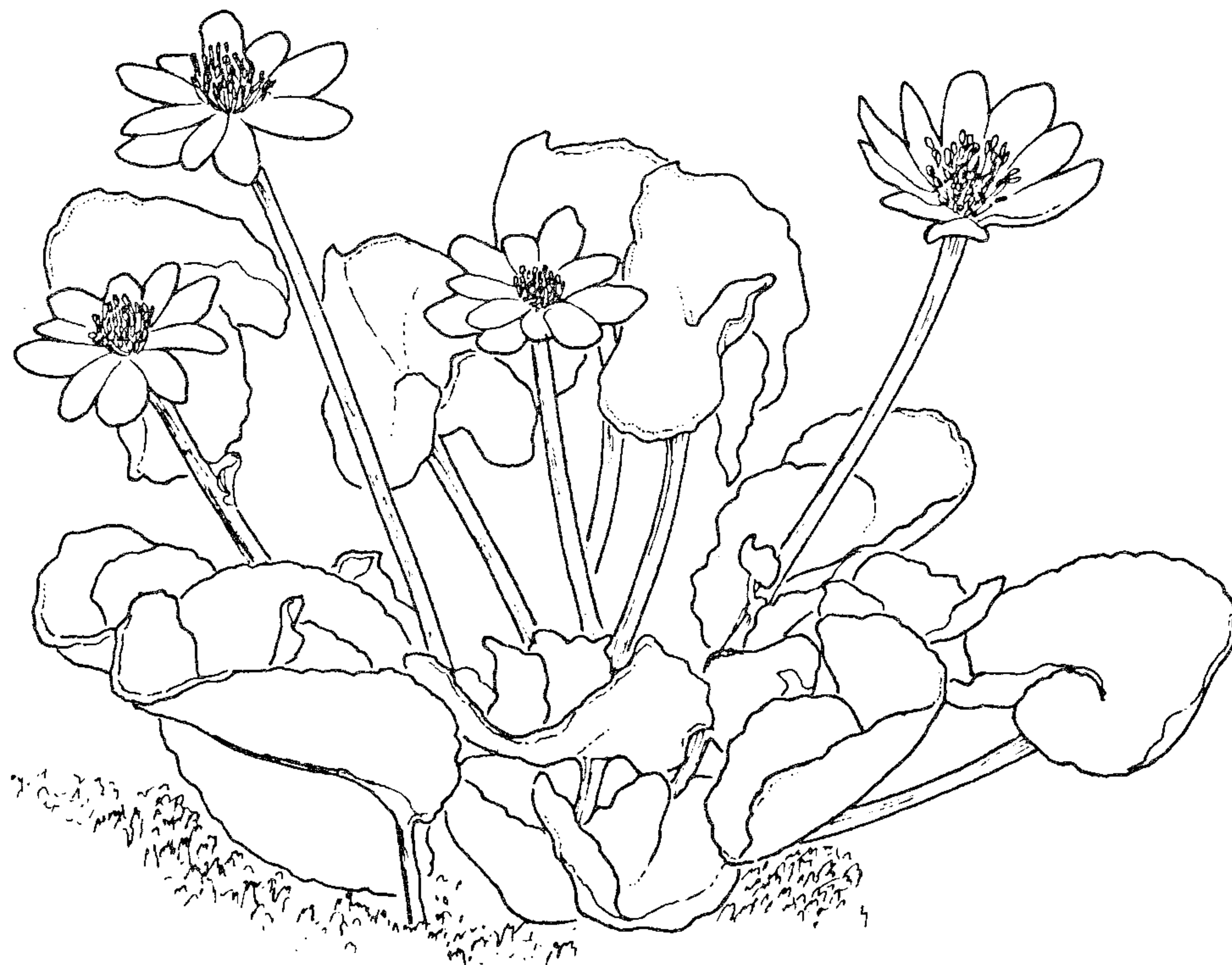
<u>Allenrolfea occidentalis</u>	Iodine bush	June-August	Harney, Malheur
<u>Antennaria arcuata</u>	arching pussytoes	late June	Harney [known in OR from 1 coll., Steens Mt.]
<u>Antirrhinum kingii</u>	King's or least snapdragon	May-June	Harney, Malheur
<u>Astragalus alvordensis</u>	Alvord rattleweed	June	Harney, Malheur
<u>Astragalus tetrapterus</u>	four-winged milkvetch	May-July	Lake, Harney, Malheur
<u>Calochortus nuttallii</u>	Nuttall's sego lily	June-July	?Harney, ?Malheur [or is it all <i>C. bruneaunis</i> ?]
<u>Caulanthus crassicaulis</u>	wild cabbage	May-June	Lake, Harney, Malheur
<u>Chaenactis macrantha</u>	large-flowered chaenactis	May-June	Harney, Malheur
<u>Chaetadelpa wheeleri</u>	chaetadelpa	June-July	Harney, Malheur
<u>Chamaebatiaria millefolium</u>	desert-sweet	June-August	Lake, Deschutes
<u>Corallorhiza trifida</u>	yellow coralroot	June-August	Harney (Wallowa, Baker, Grant, ?Lane, ?Multnomah)
<u>Cryptantha missouriensis</u>	nipple coryphantha	June-July	?Harney
<u>Cryptantha humilis</u>	low oreocarya	May-June	Harney, Malheur



<u>Cryptantha simulans</u>	pine woods cryptantha	June-July	Lake Harney (Jackson, Klamath)
<u>Cryptantha spiculifera</u>	bristly cryptantha	May-July	Malheur (Wheeler, Baker)
<u>Downingia laeta</u>	Great Basin downingea	June-August	Lake, Harney
<u>Eatonella nivea</u>	white eatonella	May-July	Lake, Malheur
<u>Eriogonum nutans</u>	spreading eriogonum	May-July	Harney
<u>Juncus abjectus</u>	least rush	June-July	Lake, Harney (Josephine)
<u>Lilaea scilloides</u>	flowering quillwort	June-August	Harney
<u>Lloydia serotina</u>	alp lily	June-August	Harney (Clatsop, Wallowa)
<u>Lophotocarpus californicus</u>	California lophotocarpus	June-July	Klamath, Lake, Harney
<u>Lupinus brevicaulis</u>	short-stemmed lupine	May-June	Lake, Harney, Malheur [?collected since 1940]
<u>Lupinus lyallii</u> ssp. <u>subpandens</u>	-	June-August	Malheur
<u>Machaerocarpus californicus</u>	fringed or star waterplantain	June-August	Lake, Harney (Crook, Wheeler, Jackson, Klamath)
<u>Malacothrix torreyi</u>	Torrey's malacothrix	May-July	Lake, Harney, Malheur
<u>Nicotiana attenuata</u>	coyote tobacco	June-September	Klamath, Lake, Harney, Malheur (+NE)
<u>Pedicularis centranthera</u>	long-flowered pedicularis	May-June	Lake, Harney
<u>Penstemon deustus</u>	hot rock penstemon	May-July	Lake, Harney, Malheur (Wallowa)
var. <u>heterandra</u>			
<u>Penstemon kingii</u>	King's penstemon	June	Malheur
<u>Penstemon praetensis</u>	white-flowered penstemon	June-July	Harney, Malheur
<u>Penstemon seorsus</u>	short-lobed penstemon	June-July	Harney, Malheur (Crook, Jefferson, Baker)
<u>Phacelia gymnoclada</u>	thick-leaved phacelia	May-July	Harney, Malheur
( <u>Phacelia crassifolia</u> )			
<u>Salix orestera</u>	Sierra willow	June-August	Klamath, Harney
<u>Sedum obtusatum</u> ssp. <u>retusum</u>	Sierra stonecrop	June-August	Lake
<u>Spiranthes porrifolia</u>	western lady-tresses	May-August	Harney (+NW, SW)
<u>Symphoricarpos longiflorus</u>	desert snowberry	May-June	Lake, ?Malheur
<u>Townsendia scapigera</u>	ground daisy	May-June	Malheur (?Jefferson)

My sincere thanks to Jeanne Huffstutter for helping to compile all this data

Jean L. Siddall  
State R/E Chairman



Drawing by Julie Kierstead.



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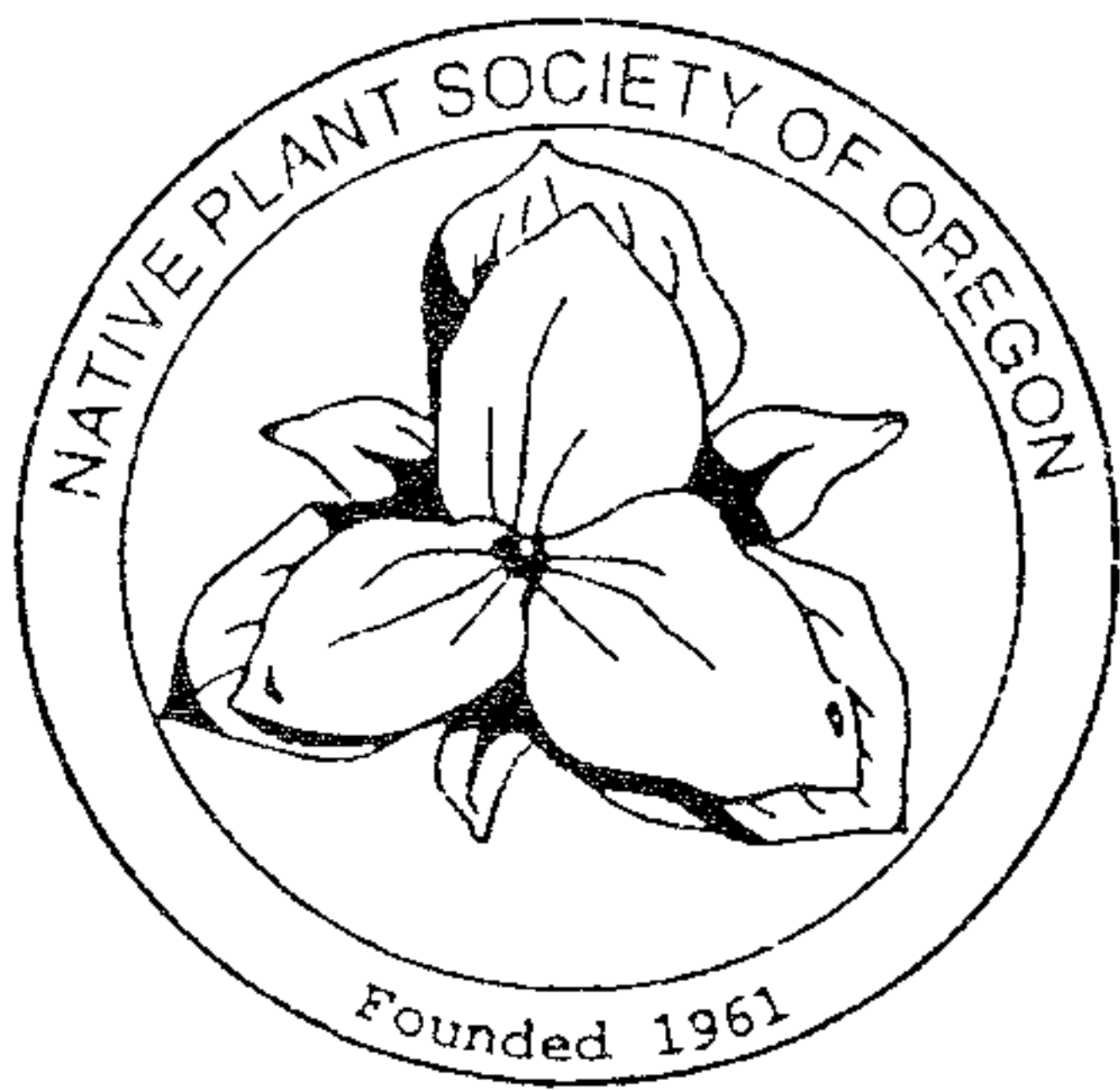
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