

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

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

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## CHAPTER NEWS

### IMPORTANT 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

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

8 May, Mon.

**Meeting.** 7:30 pm at Rm. 4083 Cordley Hall, OSU, Corvallis. Slide show on "Flowers of the Santa Monica Mountains, Los Angeles County, California," by Linda Hardie-Scott, who works with The Nature Conservancy in Portland.

### Emerald

8 May, Mon.

**Meeting.** 7 pm at Westmoreland Community Center, 1545 W. 22nd, Eugene. Paula Brooks will show slides and talk about wetlands.

14 May, Sun.

**Field trip** to Lane County Coast. Leave at 8:30 am from South Eugene High School parking lot. Leaders: Peter Zika (683-6495 days) and Charlene Simpson (465-1059).

17 May, Wed.

**Field trip** to Fisher Butte, Fern Ridge R & A. Meet at 5:30 at the parking area. For information, call Peter Zika (683-6495 days).

21 May, Sun.

**Wildflower show** at Mt. Pisgah Arboretum, 10 am to 4 pm.

3 June, Sat.

**Field trip** to Eagle's Rest, to see *Phacelia verna*. Leave at 10 am from South Eugene High School parking lot. Leader: Charlene Simpson (465-1059).

12 June, Mon.

**Meeting.** 7 pm at Westmoreland Community Center, 1545 W. 22nd, Eugene. Charlene Simpson will show slides of rare and endangered plants.

### High Desert

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.

20-21 May, Sat.-Sun.

**Field trip** to Drewsey, Harney County, to assist the Burns BLM district in a search for the endangered *Trifolium leibergii*. The group will gather in Drewsey at 9 am on Saturday, May 20. There is an unimproved campground at Warm Springs Reservoir south of Drewsey. Anyone needing directions to this campground call Dorothy Brantley (389-4838). Motels in Burns are an alternative for non-campers. Come prepared to wade across the Middle Fork of the Malheur River.

- 15-16 July, Sat.-Sun. **Field trip** to Rooster Combs Research Natural Area, Steens Mountain. Leader: Joyce Bork (389-5579).
- 22 July, Sat. **Field trip** to Pringle Falls Research Natural Area. Leader: Stu Garrett (389-6981 or 382-2811).
- 5 Aug., Sat. **Field trip** to Broken Top volcano. Limited to 18 people. To register, call leader: Stu Garrett (389-6981 or 382-2811).

## Mid-Columbia

- 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

- 5-7 May, Fri.-Sun. **Field trip** to Hancock Station. Reservations were required by 20 April.  
For information, contact Clarice Maxwell (842-7023).

## Portland

- 6 May, Sat. No field trip. State Annual Meeting in Mosier.
- 9 May, Tues. **Meeting.** 7 pm at First United Methodist Church, 1838 SW Jefferson St., Portland. George Lewis will show slides of plants of southwestern Oregon, in anticipation of the Memorial Day field trip.
- 13 May, Sat. **Field trip** to Coopey Falls, Angel's Rest and Wahkeena Falls. Leave at 8:30 am from south end of K-Mart parking lot at NE 122nd Av. and Sandy Blvd. Leader: Bryan Boyce (284-7835).
- 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. Meet at 1 pm Saturday at the Cave Junction Inn. Leader: George Lewis (292-0415).
- 3 June, Sat. **Knapweed Pull.** Self-organizing carpools leave at 8 am from Gateway MAX Park-and-Ride. Meet the leader at Meyer State Park Overlook at 9:30 am, for a day's work pulling the noxious diffuse knapweed (*Centaurea diffusa*).

## Siskiyou

- 11 May, Thurs. **Meeting.** 7:30 pm at Rm. 171, Science Building, SOSC. Program on "An Unusual Flora: the Australian *Proteaceae*" presented by Dr. Rob Whelan, University of Wollongong, New South Wales, Australia.
- 13 May, Sat. **Field trip** to Tunnel Ridge trail, part of Sterling Mine Ditch trail on the Little Applegate. Low elevation Applegate vegetation with very diverse plant communities. Leave at 9 am from Medford K-Mart, or 9:30 am from Ron's Market in Ruch. Leader: Barbara Mumblo. For information, call John Erwin (476-2462).
- 27 May, Sat. **Field trip** to Hollenbeck Study Area. This will be a half-day trip to see spring wildflowers, native trees, and shrubs of the lower Cascades. Leave at 9 am from Ashland Bi-Mart. Leader: Vern Crawford (482-9196).

## Willamette Valley

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

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No meetings until the fall.

- 13-14 May, Sat.-Sun. **Field trip** with the Chapter's Rare and Endangered Plant Committee to inventory and monitor R&E plants in our region. For details and departure time and place, call Wilbur Bluhm (393-2934).

- 20 May, Sat. **Field trip** to Horse Rock Ridge at western edge of Cascades, east of Brownsville. This is a BLM Area of Critical Concern. Easy hike. Leave at 8 am from South Salem K-Mart. Leaders: Clint Urey (743-2802) and Wilbur Bluhm (393-2934).

27-28 May, Sat.-Sun. **Field trip** to the upper Umpqua River area, to see *Kalmiopsis* and much more! Short and moderate hikes. Under auspices of Willamette Valley Chapter, but all NPSO members are invited. There are campgrounds nearby. Meet at 9:30 am Saturday at Village Green Hotel parking lot in Cottage Grove. Leader: Dan Luoma (758-8063). Salem contact: Barbara Halliday (371-1025).

3 June, Sat.

**Field trip** to Cascade Head. Moderate hike. Leave at 8 am from South Salem K-Mart.

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

13 May, Sat.

**Field trip** to the Imnaha River. Meet in the town of Imnaha at 10 am. We still need a volunteer to lead this trip. If you are interested, call Karen Antell (963-0267).

21 May, Sun.

**Field trip** with the Blue Mtn. Chapter to the Nature Conservancy site on the Boardman Bombing Range. 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).

5 June, Mon.

**Meeting.** 7:30 pm at the Forest Service Range and Habitat conference room on Geckler Lane. Bring your unidentified wildflower photographs and we will all pool our knowledge to help put correct names on your photos. If you don't have a collection of unidentified photos, bring some of your favorite wildflower slides to show.

8-9 July, Sat.-Sun.

**Field trip** to Duck Lake. This will be an overnight camping trip to the southern end of the Wallowas. Duck Lake is a unique area, featuring several interesting plants, including insectivorous sundews. For details, call Karen Antell (963-0267).

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## ELECTION RESULTS

The Ballot Committee has tallied the results of the 1989 elections. Newly elected Officers and Directors at Large are listed below. Formal installation will take place during the Annual Meeting Banquet on Saturday May 6th. Information regarding the annual meeting is available in the April Bulletin.

A hearty thank you is extended to everyone who ran for a Board position. Your willingness to serve NPSO in this manner is greatly appreciated.

### President

Stu Garrett, High Desert Chapter

### Vice President

Elizabeth Handler, Portland Chapter

### Secretary

Rhoda Love, Emerald Chapter

### Treasurer

Dapne Stone, Emerald Chapter

### Directors at Large

Paula Brooks, Portland Chapter

Barbara Mumblo, Siskiyou Chapter

Marjorie Willis, Willamette Valley Chapter

## Volunteers Needed for Shady Beach Forest Fire Recovery Program

A new program is being set up with volunteers to work with Forest Service wildlife biologists to mark wildlife trees (snags, etc.) to be saved in the units to be logged. The marking will take place during the first two weeks of June. This is an excellent opportunity for the public, Forest Service personnel, and logging industry members to work together. Contact Bob Russell (Eugene area, 933-2696) or Char Corkran (Portland area, 643-1349) for more information.

## Leach Garden Needs Teachers

Leach Botanical Garden is seeking more teachers for its Outdoor Classroom. Class groups are five to six children, ages kindergarten through fourth grade. Instruction is mostly on trails. Curriculum is furnished. Most of the classes are Wednesday and Thursday mornings. For more information, call Betty Hansen (761-9503).

## Portland Flower Show -- Are You Ready?

Fifty-odd members already have their names on the signup sheets for Portland Chapter's "Flowers in the Forest" on Saturday and Sunday May 20 and 21 in the main exhibit hall of the World Forestry Center. Hours will be 9 am to 5:30 pm each day. Admission is \$3 for adults or \$2 for seniors and persons under 18; free for WFC members. If the Zoo-OMSI-WFC parking lot is full, parking is available at Sylvan, with a free shuttle bus to WFC.

At least 400 species will be identified by common and scientific names, and arranged in habitats such as east slope of the Cascades, Columbia Gorge, north coast, coastal rain forest, Willamette Valley, and sub-alpine forest. Ferns, mosses, lichens and liverworts, weeds and introduced plants, and conifers and deciduous trees will also be there. A new category this year will be a display on Gardening with Native Plants. Sensitive plants and those which are threatened, rare, or endangered will be identified in a large photo display. Five color slide programs of 20 minutes each will be presented each day. A special book display will feature current books and texts as well as those treasures which are no longer available.

Setting up, spreading bark dust, and filling water containers starts early Friday afternoon and continues until we are finished at 9 or 10 pm. A delicious potluck on Friday evening at 6 pm gives everyone a breather with time to discuss their exhibits. Bring food to share and your own plate, silver, and cup.

Any member wishing to serve as a host or hostess may call our Hospitality Chairman, Edna Whaley (292-3161).

If you are interested in any of these activities but have not yet signed up, please do feel welcome to participate. We need each and every member. Our committee members will be delighted to add you name to the list.

|                              |          |
|------------------------------|----------|
| Jeanne Huffstutter, Chairman | 244-8224 |
| Florence Ebeling             | 244-4122 |
| Louise Godfrey               | 223-4785 |
| Esther Kennedy               | 287-3091 |

## DEVELOPERS STUDY EUGENE'S WET PRAIRIE REMNANTS

For nearly 20 years the native Willamette Valley wet prairie in West Eugene has been slated for industrial development. Recently the city and county governments have started an 18 month study of wetland issues and industrial development goals. Their agenda includes defining the most important values in the area. They will decide which areas, if any, should be set aside for flood control or natural values. Mitigation measures for destruction of existing wetlands will also be considered.

The remnant native hairgrass prairie in West Eugene is one of the most extensive remaining examples of the original Willamette Valley prairie. It is habitat for the federally endangered Lomatium bradshawii (Bradshaw's lomatium), federal candidate (C2) endemics like Aster curtus (Curtus' aster) and Erigeron decumbens (Willamette Valley daisy), as well as rare species like Sisyrinchium hitchcockii (Hitchcock's blue-eyed grass), Lupinus sulphureus var. kincaidii (Kincaid's sulphur lupine) and Microcala quadrangularis (timwort).

Members of the Native Plant Society should write to the local government, encouraging them to preserve the botanical diversity and rare plants of West Eugene. Addresses are:

Rob Lilley (687-5481)  
City of Eugene Planning Department  
777 Pearl St.  
Eugene, OR 97401

Steve Gordon (687-4283)  
Lane Council of Governments  
125 East 8th Ave.  
Eugene, OR 97401

You can also request the pamphlet SELF-GUIDED TOUR OF WEST EUGENE WETLANDS, written by Gordon, which is available at no cost. It includes a map of most of the prairie in the wetland study area.

Peter Zika -- Emerald Chapter

## New Chapter Officers

### Siskiyou

President: Richard Brock  
Program Chair: Darren Borgias  
Field Trip Chair: John Erwin  
Publicity: Linda Spade  
Secretary-Treasurer: Barbara Mumblo  
Conservation Chair: Paul Lemon

### Willamette Valley

President: Rose Hayden  
Vice-President: Claire Carder  
Secretary: Tom Jenkins  
Treasurer: Don Skorrow  
R&E Chair: Wilbur Bluhm  
Field Trip Chair: Barbara Halliday

### Portland

President: Esther Kennedy  
1st Vice-President (Programs): Mary Mason  
2nd Vice-President (Field Trips): Elizabeth Handler  
Secretary: Laura Gasaway  
Treasurer: Mary Jane Fredricks

# Field Collectors in the Pacific Northwest; a Review Inviting Further Examination

Edward P. Thatcher, Emeritus Professor, University of Oregon

For a century and a half while the early eastern states and the western territories were maturing together toward the nation President Jefferson foresaw, plant explorers from afar came to the Oregon Territory. To some historians they have become fascinating actors in the greater drama of human settlement. The minor dramas of biological exploration began in the last decade of the 18th century with maritime exploring parties. Later, overland parties came ostensibly searching for the mouth of the great River of the West, for minerals, for pelts, and for easy living on the rich land of the valleys.

Of the various authors who have attempted to bring into focus the first sixty years of botanical exploration within the North American west and to view biological exploration against the background scenery, I think Susan D. McKelvey, a botanist, has been the most successful. Her book, cited below, is notable because she has employed many maps to present the paths of explorers within the mosaic of human history. A sequel at least as exhaustive as McKelvey's title is needed to present the natural history explorers of the next 90 years, 1851 to 1940.

In that succeeding period many more plant explorers came to the Oregon Territory and its political subdivisions. While in the Pacific Northwest as visitors or residents they collected and identified many plants. Their activities left some outstanding questions which I wish to pose.

Those field naturalists justify closer examination than heretofore, and with a better quality of light in order to distinguish the major, the minor, and the supporting parts of the dramas. With several brief papers for this and other journals of regional circulation, I have since 1960 attempted a focus on the major characters, mentioning a few of the minor field botanists. With this study I wish to offer some of the major roles as background scenery and dwell on the minor field botanists, with an appeal to other historians to help define some of the unsolved problems left by those minor parts.

Appropriately in a review I wish first to introduce some of the figures of western botanical history, both major and minor characters who as collectors passed through the Pacific Northwest but left to live elsewhere. For each of these there are available in our libraries biographies, autobiographies, and brief reference book accounts such as the Dictionary of American Biography.

William D. Brackenridge (1810-1893)  
Ferdinand Coville (1867-1937)  
David Douglas (1798-1834)  
John C. Fremont (1813-1890)  
John Jeffrey (1826-1854)  
Merewether Lewis (1774-1809)  
William Clark (1770-1838)

Archibald Menzies (1754-1842)  
Dr. John S. Newberry (1822-1892)  
Thomas Nuttall (1786-1859)  
William F. Tolmie (1812-1886)

Because the name of David Douglas appears so many times at several levels in the nomenclature of our flora, I suggest that only he played the role of a major collector and explorer.

Within the genus for the pines the original species names Douglas gave are still accepted for four of our native species. We still know the lodgepole, the ponderosa, the sugar, and the western white as *Pinus* . . . Dougl. After Douglas, Thomas Nuttall may be the nearest runner-up of the minor collectors. Nuttall's name is still recognized as the author and founder of at least one species in each of the genera *Taxus* (yew), *Abies* (true firs), and *Juniperus* (juniper).

John C. Fremont was not a botanist, but a surveyor and pathfinder, later a politician. As the leader of two government expeditions to the Oregon Territory, first to Fort Vancouver in 1843, then into central Oregon from the south in 1845-1846, he has received the credit for the resulting collections which were awarded to the laboratory taxonomist, John Torrey of New York. In the case of these expeditions, I wonder who actually decided which plants to collect, press, and keep dry.

Major collectors are those who lived a substantial part of their active adult years and finished their collections in the Pacific Northwest. They became resident botanists, leaving their collections, correspondence and manuscripts in our herbaria and libraries. Charles V. Piper fits most but not all of these requisites. Piper was born near Seattle and taught for 11 profitable years at the college in Pullman, Washington, but left for government service to complete an active life in Washington, D.C. Both before and after leaving eastern Washington he carried on botanical activities with other western collectors, so it is easy to think of Piper with his contemporaries listed in Table 1. I include with their names and dates the locations of their collections and papers.

Many of these major field collectors knew one another through correspondence and also by collaboration in the field and with joint publication. As individual collectors and record keepers these major contributors were tidy; they left behind excellent records to be found in the libraries and herbaria indicated. A grand exhaustive study of their areas of cooperation and about their professional friendships might reveal some further intriguing facets of their lives.

Of the host of minor field collectors there remain many unsolved questions about their lives and botanical activities in the Pacific Northwest. Some did collect here over more than one season. A few left records in our libraries and herbaria. In my brief review [Thatcher, 1986] of four minor botanists -- Elmer Applegate, Henry Bolander, Elihu Hall, and Joseph Howell -- I ran up against very many unknown details of just one, Applegate, while attempting to place him into his large family of pioneer pathfinders.

Some of the minor figures in plant collecting worked in the shadows cast by major botanists. Henry Biddle, Joseph Howell, and Edmund Shelton frequently worked the fields and forested slopes with Louis Henderson or Martin Gorman. The latter two, perhaps for personal characteristics but also because of their early friendships with the laboratory botanists at Harvard, cast long and deep shadows over their field companions.

Some of the minor collectors lost substantial parts of the collections to the unpredictable elements of nature before those

collectors returned to the dry warm laboratory or museum which permitted good preservation. Very few of the specimens collected by Lewis and Clark reached Philadelphia as President Jefferson had expected them to do. The early collections of the German-born botanist F. G. J. Lueders were lost in the rapids of the Columbia near Stevenson, Washington. Some of the Fremont exploring party saw the accident and recorded the date, November 14, 1843.

The eastern dendrologist, and personally difficult character, Charles Sargent of New York's American Museum of Natural History, commissioned Cyrus G. Pringle of Vermont to journey to Oregon in 1880. We have records, dried specimens identified properly in Pringle's handwriting, that he was here in October and November 1880, but the important auxiliary field notes he must have made in pocket notebooks are unknown. Did Pringle, or Sargent, secrete or impound the field notes? Correspondence between the two leaves no doubt of their personal difficulties.

In Table 2 are the names of minor field collectors, the life dates for each, and locations of their papers and collections as far as that knowledge is available to me.

Many of these names may be found as specific epithets in the nomenclature of our flora. The names of just a few are found in genera, either those still accepted or changed for the variety of reasons best known to taxonomists. The generic names reflecting those once active in botanical exploration are *Bolandra*, *Clarkia*, *Douglasia*, *Gormaniana*, *Howellia*, *Lewisia*, *Menziesia*, *Neviusia*, *Newberrya*, *Nuttallia*, *Piperia*, *Suksdorfia*, and *Tolmiea*.

I have been most intrigued by the inter-relationships and kinds of collaboration between field collectors within this same region and with their contemporary scientists elsewhere. I have pointed out these relationships in the studies cited below.

#### References

- McKelvey, Susan D. *Botanical Exploration of the Trans-Mississippi West, 1790-1850*. Cambridge: Arnold Arboretum of Harvard University, 1955.
- Thatcher, Edward P. "The Procession of Botanists in Oregon," University of Oregon Library, *The Call Number*, 22 (1): 18-20, 1960.
- "Oregon Plant Collectors, 1870-1940," *Taxon*, 25 (1): 217-218, February 1976.
- "Thomas J. Howell and Louis F. Henderson, Early Resident Botanists of the Pacific Northwest," *Northwest Science*, 54 (2): 81-91, May 1980.
- "Indigenous Botanists of the Northwest," NPSO, *Bulletin*, 16 (6), June 1983.
- "Minor Field Collectors in the Pacific Northwest," NPSO, *Bulletin*, 19 (10): October 1986.

**Table 1: Major Collectors and Locations of Their Collections and Papers**

|                    |           |  |
|--------------------|-----------|--|
| R. K. Beattie      | 1875-1960 | WSU, Pullman                               |
| William Cusick     | 1845-1922 | WSU and UO, Eugene                         |
| Martin Gorman      | 1853-1926 | UO and Oregon Historical Society, Portland |
| Louis F. Henderson | 1853-1942 | UO   |
| Thomas Howell      | 1851-1912 | UO and OHS                                 |
| Lilla Leach        | 1886-1980 | UO and Leach Botanical Garden, Portland    |
| John B. Leiberger  | 1853-1913 | UO and WSU                                 |
| Morton Peck        | 1871-1959 | OSU, Corvallis and Willamette U., Salem    |
| Charles V. Piper   | 1867-1926 | WSU  |
| William Suksdorf   | 1850-1932 | UO and WSU                                 |
| Alfred Sweetser    | 1861-1940 | UO   |

**Table 2: Minor Collectors and Locations of Their Collections and Papers**

|                        |           |  |
|------------------------|-----------|--|
| Elmer I. Applegate     | 1867-1949 | UO and Stanford U.   |
| Henry Biddle           | 1862-1928 | UO and OHS   |
| Henry Bolander         | 1831-1897 | California State Library, Sacramento, and U. of California, Berkeley |
| Karl Geyer             | 1809-1853 |  |
| Elihu Hall             | 1820-1883 | Field Museum, Chicago  |
| Joseph Howell          | 1830-1912 | UO and OHS   |
| F. G. J. Lueders       | 1813-1904 |  |
| James Nelson           | 1867-1944 |  |
| Rev. Reuben Nevius     | 1827-1913 |  |
| Ethel Sanborn          | 1883-1952 | UO   |
| Cyrus G. Pringle       | 1838-1911 | U. of Vermont, Burlington  |
| Edmund Sheldon         | 1868- ?   | UO and U. of Minnesota, Minneapolis                                  |
| Rev. Henry H. Spalding | 1803-1874 |  |
| John W. Thompson       | 1890-1979 | U. of Washington, Seattle  |
| Kirk Whited            | 1852- ?   |  |

## Mt. Pisgah Wildflower Show

With Freeman Rowe's retirement from teaching at Lane Community College, the Emerald Chapter has taken over the responsibility of assisting the Arboretum in putting on the annual Wildflower Show. This year's show will be Sunday, May 21, from 10 am to 4 pm.

We will attempt to make this year as successful as the previous years. If you can assist in any capacity, please call Rhoda Love (345-6241).

This is the final segment of the Review List species which need to be field-checked this season. The following are taxa which will begin blooming during July-August. Also see the March and May Bulletins for Parts I and II of the list, as some of these species bloom into July and August.

PLANTS BLOOMING IN JULY-AUGUST FOR FIELD-CHECKING 1986

NORTHWEST OREGON

|   |                          | <u>Blooms</u>  | <u>Historically known from:</u>                         |
|---|--------------------------|----------------|---|
| <u>Anemone multifida</u><br>var. <u>tetonensis</u>      | Pacific or cliff anemone | July-August    | ?Clatsop, ?Hood River (Wallowa, Union)                  |
| <u>Aster glaucescens</u>                                | Klickitat aster          | July-October   | Hood River [Mt. Hood, 1896]                             |
| <u>Calamagrostis crassiglumis</u>                       | Thurber's reedgrass      | July-August    | Along coast   |
| <u>Euphrasia arctica</u><br>var. <u>disjuncta</u>       | northern eyebright       | July-August    | Multnomah [Columbia Gorge]                              |
| <u>Gentiana simplex</u>                                 | One-flowered gentian     | July-August    | Clackamas (+NE, SW)                                     |
| <u>Heterandra dubia</u>                                 | water star-grass         | July-September | "Sauvie Is.," "Willamette R. to Calif" [no coll.]       |
| <u>Hieracium greenii</u>                                | Greene's hawkweed        | July-August    | ?Linn, ?Marion (Coos, Josephine, Jack., Klam.)          |
| <u>Hieracium horridum</u>                               | shaggy hawkweed          | July August    | Lane (Klamath)  |
| <u>Hieracium umbellatum</u>                             | narrow-leaved hawkweed   | July-September | "nw Oreg.," ("n. Oreg. east of Casc.")                  |
| <u>Juncus supiniformis</u>                              | hair-leaved rush         | July-September | Multnomah (Coos)  |
| <u>Lindernia anagalloidea</u>                           | slender false-pimpernel  | July-October   | Multnomah [Columbia R.] (?NE)                           |
| <u>Luzula piperi</u><br>( <u>L. wahlenbergii</u> )      | Piper's wood-rush        | July-September | Clackamas [Mt. Hood]                                    |
| <u>Lycopodium obscurum</u><br>( <u>L. dendroideum</u> ) | groundpine               | -              | [? in Oregon; has been found on Wn side of Columbia R.] |
| <u>Orobanche pinorum</u>                                | pine broomrape           | July-August    | Clackamas, Marion, Benton, Lane (+NE, SE, SW)           |
| <u>Poa suksdorfii</u>                                   | Suksdorf's bluegrass     | July-August    | Lane (+NE, SW) [mts.]                                   |
| <u>Ranunculus verecundus</u>                            | modest buttercup         | July-August    | Hood River [Mt. Hood], ("Blue Mts.")                    |
| <u>Scirpus cyperinus</u>                                | wool-grass               | July-August    | Columbia  |
| <u>Stellaria humifusa</u>                               | low starwort             | July-August    | Tillamook, Lincoln [coastal]                            |
| <u>Utricularia intermedia</u>                           | bladderwort              | July-August    | Clackamas, Lane (Wasco, Jackson, Klamath)               |

NORTHEAST OREGON

|  |                          |                  |   |
|--|--------------------------|------------------|---|
| <u>Anemone multifida</u><br>var. <u>tetonensis</u> | Pacific or cliff anemone | July-August      | Wallowa, Union (?Clatsop, ?Hood River)          |
| <u>Arabis davidsonii</u>                           | Davidson's rockcress     | July-August      | Baker   |
| <u>Artemisia throckmii</u>                         | timberline sage          | August-September | Wallowa (Harney, ?Malheur)                      |
| <u>Botrychium crenulatum</u>                       | -                        | -                | Wallowa (Harney)                                |
| <u>Botrychium montanum</u>                         | mountain grapefern       | -                | Wasco [Mt. Hood]                                |
| <u>Gentiana simplex</u>                            | one-flowered gentian     | July-August      | Deschutes, Wheeler, Baker, Union (+NW, SW)      |
| <u>Hieracium umbellatum</u>                        | narrow-leaved hawkweed   | July-September   | "n. Oreg., e of Cascades" ("nw Oreg.")          |
| <u>Impatiens aurella</u>                           | orange balsam            | August-September | ? "e. Oreg."                                    |
| <u>Lindernia anagalloidea</u>                      | slender false pimpernel  | July-October     | ?Columbia River, e. Oreg. (Multnomah)           |
| <u>Luzula subcongesta</u>                          | Donner wood-rush         | July-August      | Wallowa (Jackson)                               |
| <u>Lycopodium obscurum</u>                         | groundpine               | -                | [? in Oregon; has been found on Wn side of CRG] |
| <u>Minuartia austromontana</u>                     | southern mt. sandwort    | July             | Wallowa [1 coll.; limestone endemic]            |
| <u>Orobanche pinorum</u>                           | pine broomrape           | July-August      | Wallowa (+NW, SW, SE)                           |
| <u>Poa pattersonii</u>                             | Patterson blue-grass     | July-August      | Wallowa (Josephine)                             |
| <u>Poa suksdorfii</u>                              | Suksdorf blue-grass      | July-August      | Deschutes, Union, Wallowa (+NW, SE) [mts.]      |
| <u>Ranunculus verecundus</u>                       | modest buttercup         | July-August      | "Blue mts." (Hood River)                        |
| <u>Townsendia montana</u>                          | mountain townsendia      | July-August      | Wallowa   |
| <u>Utricularia intermedia</u>                      | bladderwort              | July-August      | Wasco (Clackamas, Lane, Jackson, Klamath)       |

## SOUTHWEST OREGON

|                                       |                      |                |  |
|---------------------------------------|----------------------|----------------|--|
| <u>Aster brickellioides</u>           | rayless leafy aster  | July-October   | Curry, Josephine, Jackson                            |
| <u>Calamagrostis crassiglumis</u>     | Thurber's reed-grass | July-August    | along coast  |
| <u>Cordylanthus viscidus</u>          | viscid bird's-beak   | July-August    | Josephine, Jackson                                   |
| <u>Eriogonum hirtellum</u>            | -                    | July-September | ? Josephine [found just across CA line]              |
| <u>Gentiana pleurisetosa</u> sp. nov. | -                    | July-September | Josephine  |
| <u>Gentiana simplex</u>               | one-flowered gentian | July-August    | Douglas, Jackson, Klamath (+NW, NE)                  |
| <u>Hieracium greenei</u>              | Greene's hawkweed    | July-August    | Coos, Josephine, Jackson, Klamath (? Linn, ? Marion) |
| <u>Hieracium horridum</u>             | shaggy hawkweed      | July-August    | Klamath (Lane)                                       |
| <u>Juncus supiniformis</u>            | hairy rush           | July-September | Coos (Multnomah)                                     |
| <u>Luzula subcongesta</u>             | Donner wood-rush     | July-August    | Jackson (Wallowa)                                    |
| <u>Orobanche pinorum</u>              | pine broomrape       | July-August    | Douglas, Josephine (+NW, NE, SE)                     |
| <u>Poa pattersonii</u>                | Patterson blue-grass | July-August    | Josephine (Wallowa)                                  |
| <u>Poa suksdorfii</u>                 | Suksdorf blue-grass  | July-August    | Jackson (+NW, NE) [mts.]                             |
| <u>Utricularia intermedia</u>         | bladderwort          | July-August    | Jackson, Klamath (Clackamas, Lane, Wasco)            |

## SOUTHEAST OREGON

|   |                        |                  |                               |
|---|------------------------|------------------|-------------------------------|
| <u>Artemisia rothrockii</u>                         | timberline sage        | August-September | Harney, ?Malheur (Wallowa)    |
| <u>Botrychium crenulatum</u>                        | -                      | -                | Harney [Steens Mt.] (Wallowa) |
| <u>Downingia yina</u> var. <u>yina</u>              | Cascade downingia      | July-August      | Lake, Harney [vernal pools]   |
| <u>Galium serpenticum</u><br>var. <u>warnerense</u> | "Warner Mts. bedstraw" | July             | Lake                          |
| <u>Gentiana tenella</u>                             | slender gentian        | July-August      | Harney [Steens Mt.]           |
| <u>Orobanche pinorum</u>                            | pine broomrape         | July-August      | Harney (+NW, SW, NE)          |

Jean L. Siddall  
State R/E Chairman

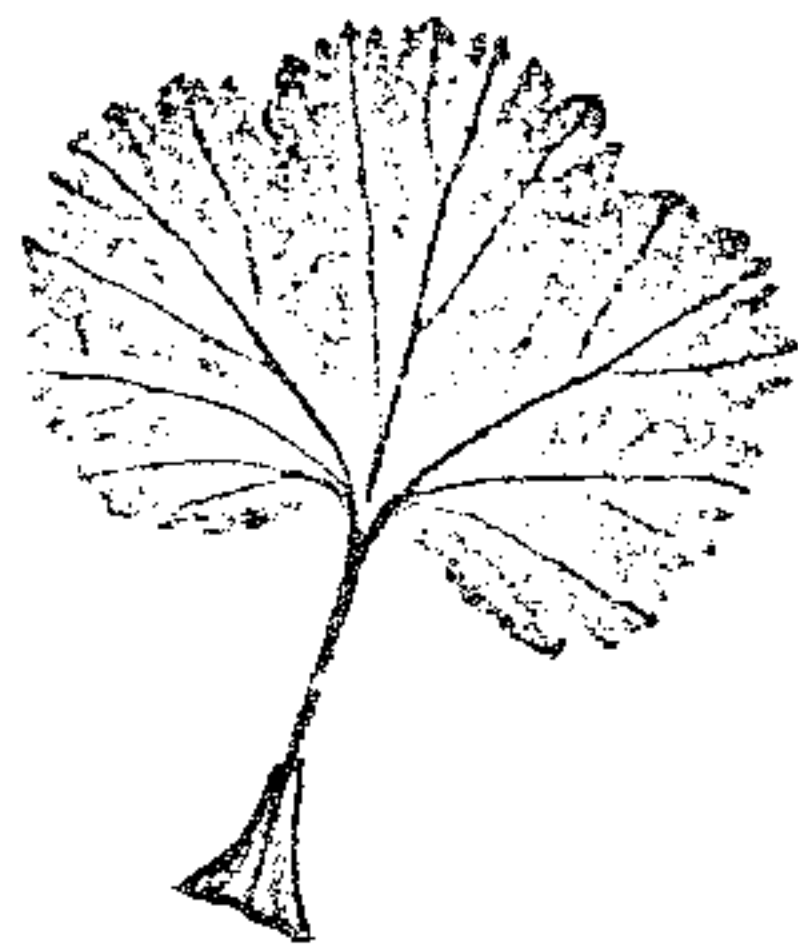
### PLANT PUZZLE

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

April's prize winner was Naoma Neyerlin of Winston, who correctly identified Alnus sinuata, Sitka or wavy-leaved alder.

### TOXIC WASTES

Trash, litter and garbage have always been an eyesore when we find them along the countryside, but now we must consider them as possible lethal hazards. With the increase in drug labs operating in the Pacific Northwest, there is an increase in the toxic wastes from these labs which is dumped down old wells, thrown out into our rivers, campgrounds, forests and along less traveled roads. These areas are often the places we go to view some of our lovely wild flowers. Many times we pick up and carry out trash we find while hiking or on an outing. This practice may cause us serious injury or even death. Without going into detail as to exactly what these toxic wastes are, it can be said that they may be explosive, caustic, corrosive, carcinogenic or extremely lethal. They may be in 30 or 55 gallon drums, plastic chemical containers, glass flasks, plastic bags or spilled over the ground. Often discarded are used paper towels, aluminum pellets, pH testing strips, chunks of red phosphorus and even contaminated clothing. If you should find such refuse --STAY AWAY FROM ANYTHING THAT LOOKS SUSPICIOUS. Do not try to open any containers to smell the contents. Get away from the area quickly and call the police or sheriff. If you should encounter someone dumping such waste, do not let them see you and report them immediately.

Janet Lindgren, Portland Chapter



# Native Plant Society of Oregon Guidelines & Ethical Code

GENERAL GUIDELINE: THINK TWICE. USE DISCRETION. A PLANT IN PLACE IS WORTH TWO IN THE HAND. LOVE THY FLORA.

## I. CHAPTER GUIDELINES

- 1) Know your rare, threatened and endangered species. Know your fragile environments and unique biotic communities.
- 2) Be alert to threats to native plants and their habitats. Appoint watchdog committees to keep aware of these threats and inform the chapter.
- 3) Take action to protect native plants. Work with all groups and the general public to protect native plants and their habitats. Be prepared to salvage plants where they are threatened by outright destruction. Help eradicate particularly aggressive and successful exotic plants that threaten native plants. Take responsible outings.
- 4) Educate your members and the public about native plants, and encourage them to use good judgment in the study, enjoyment, and use of native plants.
- 5) Encourage your members to grow native plants--only from seeds or cuttings.

## II. OUT THERE AMONG THE PLANTS

- 1) Outings for whatever purpose must never endanger a plant population. Encourage nondestructive modes of learning and enjoyment: photography, artwork, scientific description, aesthetic prose and poetry, and so on.
- 2) On group outings (field trips, conservation activities, class field studies), group leaders must take responsibility for protecting native plants from the activities of the group. All participants should understand the goal of plant protection, the purpose of the outing, and the means by which they can make the least impact on plants and the natural habitat.
- 3) Know where endangered species are growing and plan outings with this knowledge in mind.
- 4) Respect private and public property. Do not trespass. Know the regulations for use of the land and natural resources--public or private--your group is entering.
- 5) Respect the habitat as a whole. Avoid disturbing wildlife, such as nesting birds and nesting hornets.
- 6) Be sensitive to the human foot as a threat to plants. Visits to fragile environments should be carefully planned. Students should be given adequate direction by their instructor, and excessive collecting should be discouraged. Better one person enter a fragile area to identify a plant than the whole group.
- 7) Collecting should be considered only when identification cannot be made in the field

or when it will contribute significantly to educational or scientific objectives. Collecting for whatever purpose should be done as inconspicuously as possible. Casual observers may not understand the reasons for collecting and may feel license to do likewise.

- 8) Collecting must never endanger a plant population. Collect seeds or cuttings in preference to whole plants. Do not collect underground plant parts except for identification purposes. Avoid excessive collecting: this calls for exercise of good judgment by the collector. Consider the use of rules of thumb for judging whether to pick or not to pick. Encourage group study of one specimen. Consider using weeds, garden species, or lab-grown specimens for educational purposes.

## III. USING NATIVE PLANTS

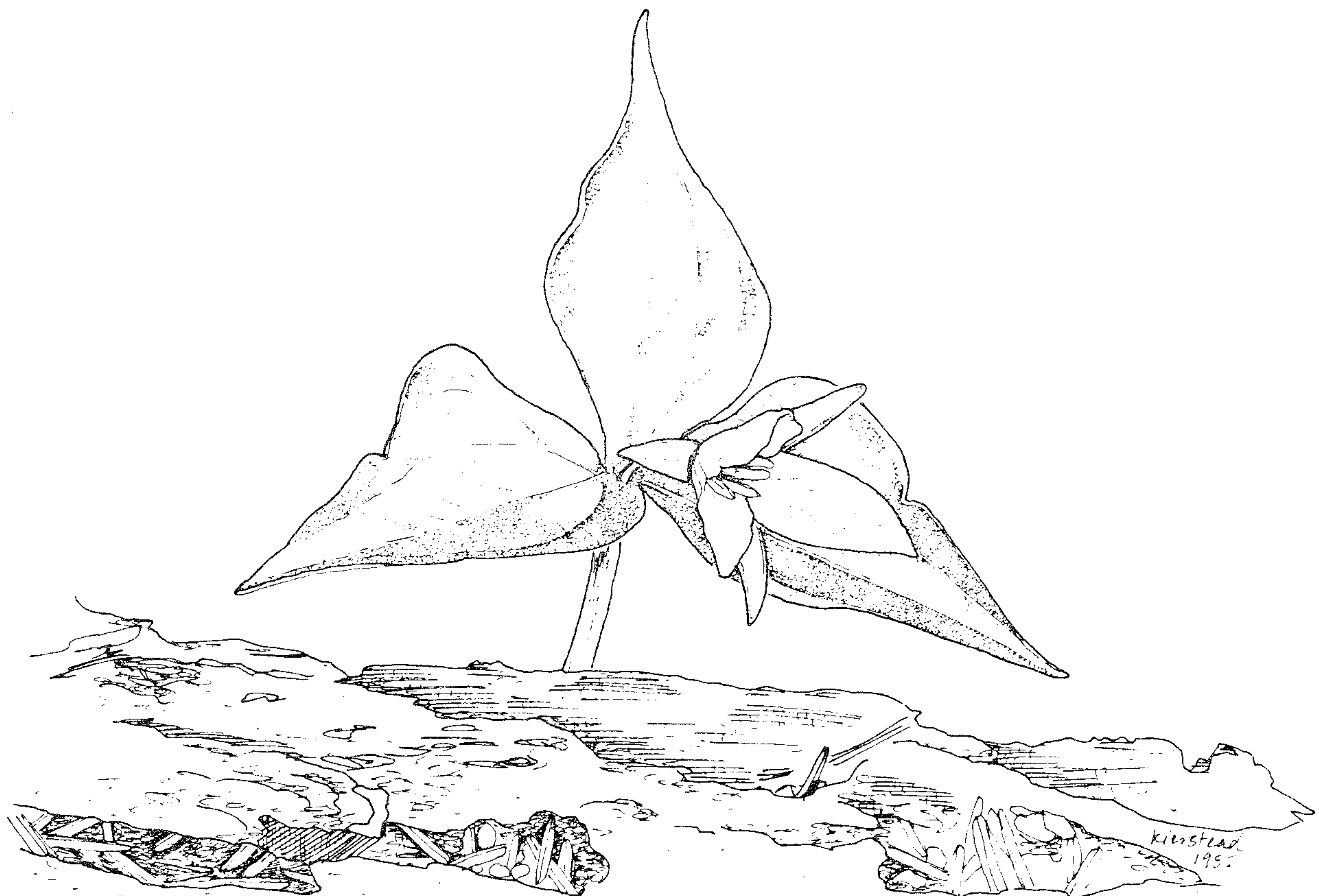
- 1) Use of native plants--in wildflower shows, plant sales, and horticulture--must never threaten their populations.
- 2) Native plant species for sale should be obtained by salvage, seeds, or cuttings--in that order of priority--and whole plants should never be dug up, except for salvage. Seeds should not be sold. Growers must exercise discretion in collecting seeds and cuttings to avoid endangering plant populations.
- 3) Native plants for sale should state on the label how obtained or grown. Chapters should consider certifying commercial growers who follow good ethical practice, and should urge the public not to buy unless plants were obtained or grown according to these guidelines.
- 4) The sale and use of particularly aggressive and successful exotic plant species, such as gorse, broom, and pampas grass, should be discouraged.
- 5) Salvage of native plants should be encouraged when their destruction is certain: at quarries, mines, dams, building construction sites, road construction sites. Salvage is not necessarily called for, however, on logging sites, some recreational areas, and rangeland. Salvaged plants should be kept potted long enough before sale to ensure that they will survive the shock of transplant.
- 6) Wildflower shows should make maximum use of their educational potential. Inform the public of the goals of NPSO: explain the guidelines your chapter follows in studying, enjoying, and using native plants--including guidelines followed in collecting for the show; consider using all other educational options (slides, artwork, publications, herbarium collections, news media, etc.); and continue the educational "life" of display materials after the show by donating them to schools, libraries, or other constructive uses.

With the first flush of flowers decorating Oregon's deserts & forests, it seems appropriate to remind ourselves that NPSO's *raison d'être* are conservation & understanding of Oregon's native flora. Although many of our members are interested in gardening with native plants, NPSO is not a garden club. Our Code of Ethics clearly does not condone the collecting of plants for personal use. This does not preclude growing plants from seed or carefully gathered cuttings. And if the seeds don't sprout, and the cuttings don't strike, the parent plant will still be intact in its wild home.

It is an unfortunate reality of the 80's that effective conservation must be accomplished in the political arena, because the decisions affecting the future of native plants are made by city officials, county commissions, and state & Federal agencies. It is especially important that, as NPSO enters the political fray, we keep our noses clean so no one can accuse our members of being threats to the flora we purport to save. After all, the act of joining NPSO implies tacit approval of its aims.

With NPSO-sponsored flower shows coming up, let's do our best to use the plants to their fullest. Invite special groups in for pre- or post-show educational programs. Advertise! Make sure copies of NPSO's Code of Ethics are posted around the show hall, so visitors come away with the right feeling about our organization. When everything is done, return those plants which can be returned (bulbous & rhizomatous plants, etc.), and make good pressed specimens of those which cannot. This means careful pressing and good label information about the site where the plant came from. When dry, the plants should be donated to a state herbarium. Little or no plant material should end up in the garbage.

Enjoy plants where they grow--you'll never see them in better surroundings than the places they call home.



*Trillium ovatum*  
Drawing by J.R. Kierstead

**STATE OFFICERS**  
 DIRECTORS..... Esther McEvoy, Russ Holmes, Dave Gross, Peter Zika, Jerry Igo, Nancy Fredericks  
 PRESIDENT..... Dan Luoma..... 2912 NW Arthur Ave., Corvallis 97330; 758-8063  
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 (Acting) SECRETARY..... Marjorie Willis..... 1190 21st NE, Salem 97301; 581-6073  
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**STATE COMMITTEE CHAIRS**  
 RARE AND ENDANGERED..... Jean Siddall..... 535 Atwater Rd., Lake Oswego 97034; 636-4633  
 CONSERVATION..... Ed Alverson..... Dept. of Botany, OSU, Corvallis 97331; 754-4106  
 LEGISLATIVE..... Esther McEvoy..... 3290 Willamette, Corvallis 97333; 754-0893  
 MEMBERSHIP..... Mary Falconer..... 1920 Engel Ave. NW, Salem 97304; 585-9419  
 WILDFLOWER POSTERS..... Susan Kofahl..... P. O. Box 151, Mosier 97040; 478-3576  
 NOTECARDS..... George Lewis..... 8230 Cashmur Lane, Portland 97225; 292-0415  
 T-SHIRTS..... Nadine Smith..... 1128 Jackson St., Eugene 97402; 344-6478

**CHAPTER PRESIDENTS**  
 BLUE MOUNTAIN (NE Oregon)..... Bruce Barnes..... 731 NW 5th, Pendleton 97801; 276-5547  
 CORVALLIS..... Thomas Kaye..... Herbarium, OSU, Corvallis 97331; 754-4106  
 EMERALD (Eugene area)..... Diane English..... 3383 West 14th, Eugene 97402; 484-9287  
 HIGH DESERT (Bend area)..... Joyce Bork..... 640 NW Broadway, Bend 97701; 389-5579  
 MID-COLUMBIA..... Keith Chamberlain..... Box 271, Mosier 97040; 478-3314  
 NORTH COAST..... Clara Fairfield..... 7305 Whiskey Ck. Rd., Tillamook 97141; 842-4362  
 PORTLAND..... Esther Kennedy..... 6124 NE 28th Ave., Portland 97211; 287-3091  
 SISKIYOU..... Wayne Rolle..... 311 High St., Ashland 97520; 482-0093  
 WILLAMETTE VALLEY (Salem area)..... Pat Rogers-Rochna..... 4382 Marion Rd., Turner 97392; 769-4669  
 WM. CUSICK (LaGrande area)..... Rachel Sines..... 504 C Ave., LaGrande 97850; 963-0674

**BULLETIN** EDITOR..... Jan Dobak..... 2584 NW Savier St., Portland 97210; 248-9242

GUIDELINES FOR CONTRIBUTORS

The NPSO *Bulletin* is published monthly, as a service to NPSO members and the public. News, articles, letters to the Editor, photos, drawings, and non-copyrighted materials are welcome.

**Deadline:** Copy is due by the 10th of the month, and should be sent to the Editor.

**Text Format:** The *Bulletin* is not typeset; therefore typed, camera-ready copy is preferred, but no submission will be rejected because it is not typed. Copy should be typed in 4-1/4 inch wide columns, of any length. Author's name and affiliation are typed at the end of the article. Double space between paragraphs, and do *not* indent the beginning of each paragraph. For special material (e.g., plant keys) choose an appropriate format, keeping in mind that readers may wish to carry your article pasted inside their favorite field guide.

**Illustrations:** Ink drawings or woodcuts are preferred to pictures requiring halftone reproduction. We welcome small illustrations or "doodles" as well as larger works.

**Credits:** If the item is not original, provide name and date of the source. For original items, identify the author and indicate, for news items, whether a by-line is desired. Include instructions as to whether the item is to be used in its entirety or excerpted at the Editor's discretion.

**Scientific Names:** Nomenclature should follow *Flora of the Pacific Northwest* by Hitchcock, et al., where appropriate. Use of both scientific and common names is encouraged. Genus and species are underlined or italicized.

**Return of Originals:** Manuscripts and illustrations will not be returned unless expressly requested.

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

Membership applications, renewals, and changes of address (including old address and zip code) should be sent to the MEMBERSHIP CHAIR.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Chapter (if known) \_\_\_\_\_

Name \_\_\_\_\_

Is this a change of address?

If so, please write your *Old Address* here:

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City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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Phone (Home) \_\_\_\_\_ (Work) \_\_\_\_\_

\* **DUES** include monthly *NPSO Bulletin*. Full membership is for a calendar year, January through December. New memberships enrolled during September through December are charged a reduced "Quarter Membership" rate.

( ) New ( ) Renewal ( ) Quarter Membership (Sep.-Dec.) \$2.50 ( ) *Bulletin* Subscription only \$10.00

( ) Student..... \$ 7.50 ( ) Sustaining..... \$ 25.00  
 ( ) Regular..... 10.00 ( ) Patron..... 100.00  
 ( ) Family Membership..... 15.00 ( ) Life Member..... 500.00

\* **CONTRIBUTIONS:**

Jean Davis Memorial Award Fund..... \$ \_\_\_\_\_  
 Rare and Endangered Plant Fund..... \$ \_\_\_\_\_

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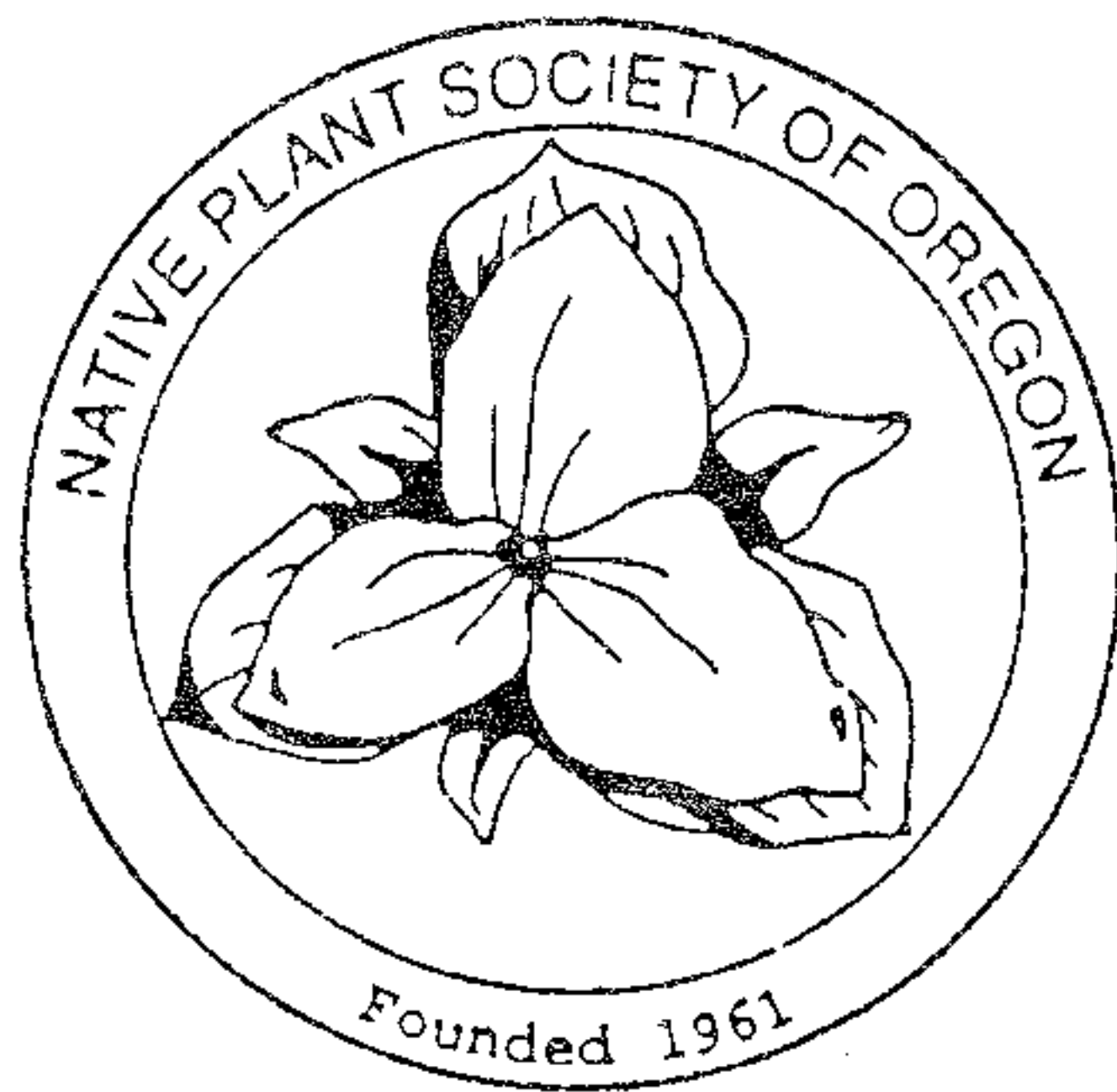
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