

NATIVE PLANT SOCIETY of OREGON

• OBJECTIVE •

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

Vol. XIII No. 5

MAY 1980

OREGON ENDANGERED/THREATENED SPECIES ACT

A meeting May 8, 1980 at 7:00 p.m. at the Portland, Garden Club, 1132 S.W. Vista Avenue in Portland, will bring together a number of conservation groups to join the NPSO in supporting our efforts to formulate a bill in the Oregon Legislature that will protect endangered plant and animal species in Oregon. The program for the meeting is designed to update the current status of endangered species in Oregon and to elicit support for the legislation from the organizations attending the meeting. Slides of threatened and endangered Oregon plants and animals will be presented by Jean Siddall and Dave Marshall. Members of the Task Force will discuss possible bill provisions and strategies.

NPSO members are welcome to attend this meeting.

Ann Whitmyer (rewrite FAL)

ANNUAL MEETING AGENDA SET

The Fourth Annual Meeting of the NPSO will be held at Silver Creek Falls State Park, 17 May 1980, at 6:30 p.m. The Agenda follows:

1. Call to Order
2. Committee Reports
 - Financial - NPSO Treasurer
Charlene Holzwarth
 - Endangered Plants - (Portland Committee)
Anne Kowalashin
 - Endangered Plant Legislation
Anne Whitmyer
 - Membership
Mary Falconer
3. Special Chapter Reports (3 min)
 - Blue Mountain
 - Emerald
 - Mid Columbia
 - Portland
 - Siskiyou
 - Willamette Valley
4. Name of the "Bulletin" and Logo - Frank Lang
5. Installation of Officers - Host Chapter
6. State of the Society - Frank Lang
NPSO President
7. The Program - The Flora of Silver Creek Falls State Park. Wilber Bluhm, speaker.
8. Adjournment

It looks like a great opportunity for us to gather together.

Frank A. Lang

NPSO ELECTION RESULTS

The following people were elected to office in our March election.

President, Frank A. Lang, Current NPSO President, former NPSO Vice President. Co-Editor of the NPSO Bulletin. Member of the Siskiyou Chapter.

Vice-President, Herb Armetrout, Current NPSO Vice-President. Longtime NPSO member of the Portland Chapter.

Secretary, Mary Jane Fredricks, Current NPSO Secretary, former Treasurer of the Portland Chapter.

Treasurer, Russ Graham, 1st President of the Mid-Willamette Chapter. A businessman who studies plants as a hobby. Interested in Plant Nurseries.

Board of Directors

Ruth Hansen - Former NPSO President for 2 years, former President and field trip chairman of Portland Chapter. Active in several horticultural organizations, Portland Garden Society. Member of the Portland Chapter.

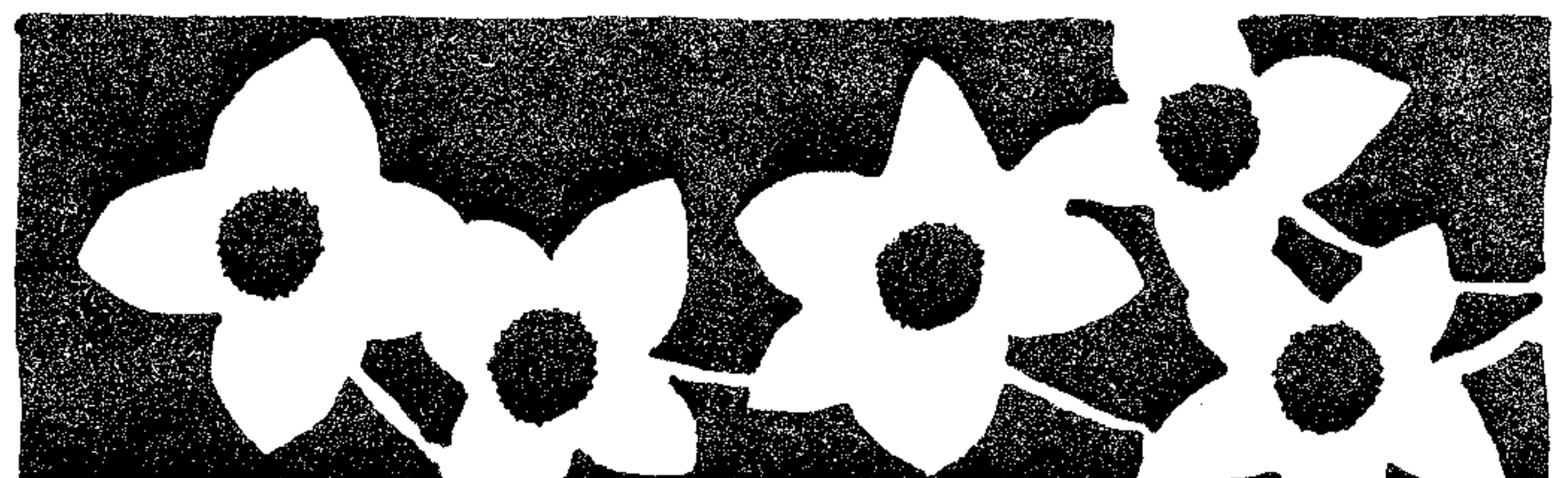
Karl Urban - Biology teacher at Blue Mountain Community College in Pendleton. Teaches plant identification. Avid wildflower photographer and student of the Steens Mountain Flora. Member of the Blue Mountain Chapter.

Franklin (Herm) Fitz, Science Teacher at McKenzie River High School, Blue River, Oregon. Ph.D. in pollination ecology Univ. of Utah. Former Oregon's Biology Teacher of the Year. Working on a Flora of the McKenzie River drainage. Member of the Emerald Chapter.

Installation of the officers and Board of Directors will occur at the annual meeting, May 17th, 1980, at Silver Creek Falls State Park.

The Society thanks all who were willing to serve on the Board of Directors. With such an excellent group of people to choose from we couldn't go wrong.

FAL



PLANT FAMILY PROFILES

By Herm Fitz

The Ericaceae - HEATHER FAMILY

The Heather Family is large and complex, with about 100 genera and some 3000 species scattered throughout the world mostly in acidic habitats of the temperate regions of both hemispheres. Plants occur from sea level in northern areas to high elevations in the tropics, for these are primarily plants of cooler climates. Classification schemes for this family vary: some authors remove segments as smaller families by themselves; others include these same segments as subfamilies within the Heather Family. A commonly encountered system divides the Ericaceae into four subfamilies. In Oregon, which is home for 22 genera, these four subfamilies are as follows:

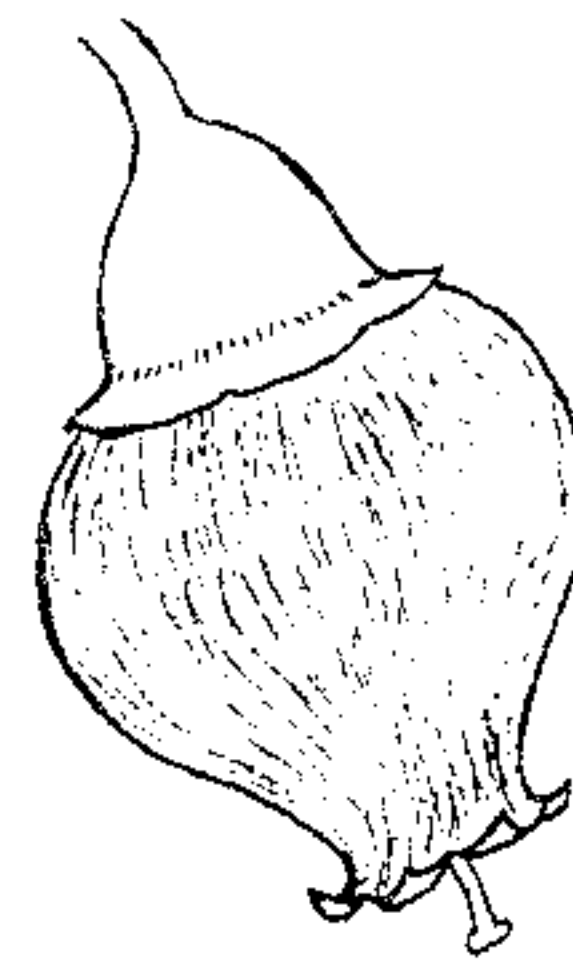
Vaccinioideae - Blueberry Subfamily - This single genus of blueberries and huckleberries, to which the cranberry belongs, is widespread from the coast to the mountains, some at high elevations. The genus is *Vaccinium*.

Monotropoideae - Indian Pipe Subfamily - Various fleshy mycorrhizal saprophytes found in deep humus under conifers in shady forests are included here; some are quite rare. The white and pink striped Sugar Stick (*Allotropa virgata*) bears no corolla. Gnome Plant (*Hemitomes congestum*), Pinesap (*Hypopitys monotropa*), Pine Foot (*Pityopus californica*), and Fringed Pinesap (*Pleuricospora fimbriolata*) all appear just above the duff layer and come in shades of white, brownish-yellow or pinkish-yellow. The bright red Snow Plant (*Sarcodes sanguinea*) occurs in the Siskiyou Mountains and southward. Pine Drops (*Pterospora andromedea*), a tall plant in drier woods, is the only member of this subfamily with the vase-like corolla. Indian Pipe (*Monotropa uniflora*) is easy to recognize - it is pure white at flowering and each stem bears only a single flower.

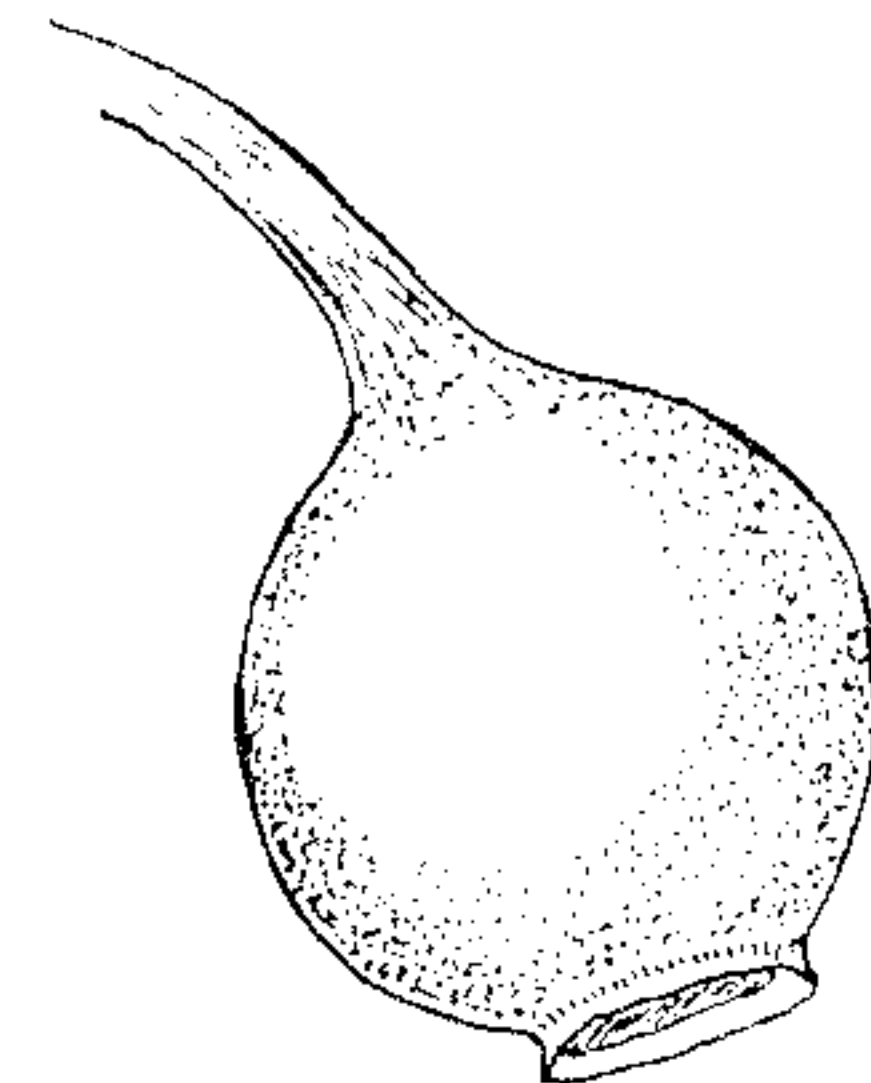
Pyroloideae - Wintergreen Subfamily - This small subfamily has flowers with separate petals and includes 2 evergreen species of Prince's Pine or Pipsissewa (*Chimaphila*) and several species of Wintergreen (*Pyrola*), herbs with basal leaves.

Ericoideae - Heather Subfamily - The largest section of the family contains mostly shrubs to trees. Plants with a vase-like corolla are the handsome Madrone (*Arbutus menziesii*), an arborescent plant with smooth dark brownish-red exfoliating bark found in drier areas west of the Cascades, various species of Manzanita (*Arctostaphylos*) with smooth reddish-purple or brownish bark, White Heather (*Cassiope mertensiana*) above timberline, the familiar and widespread Salal and 2 smaller relatives (*Gaultheria*), Fool's Huckleberry (*Menziesia ferruginea*), a shrub in moist areas along streambanks or around lakeshores, 2 species

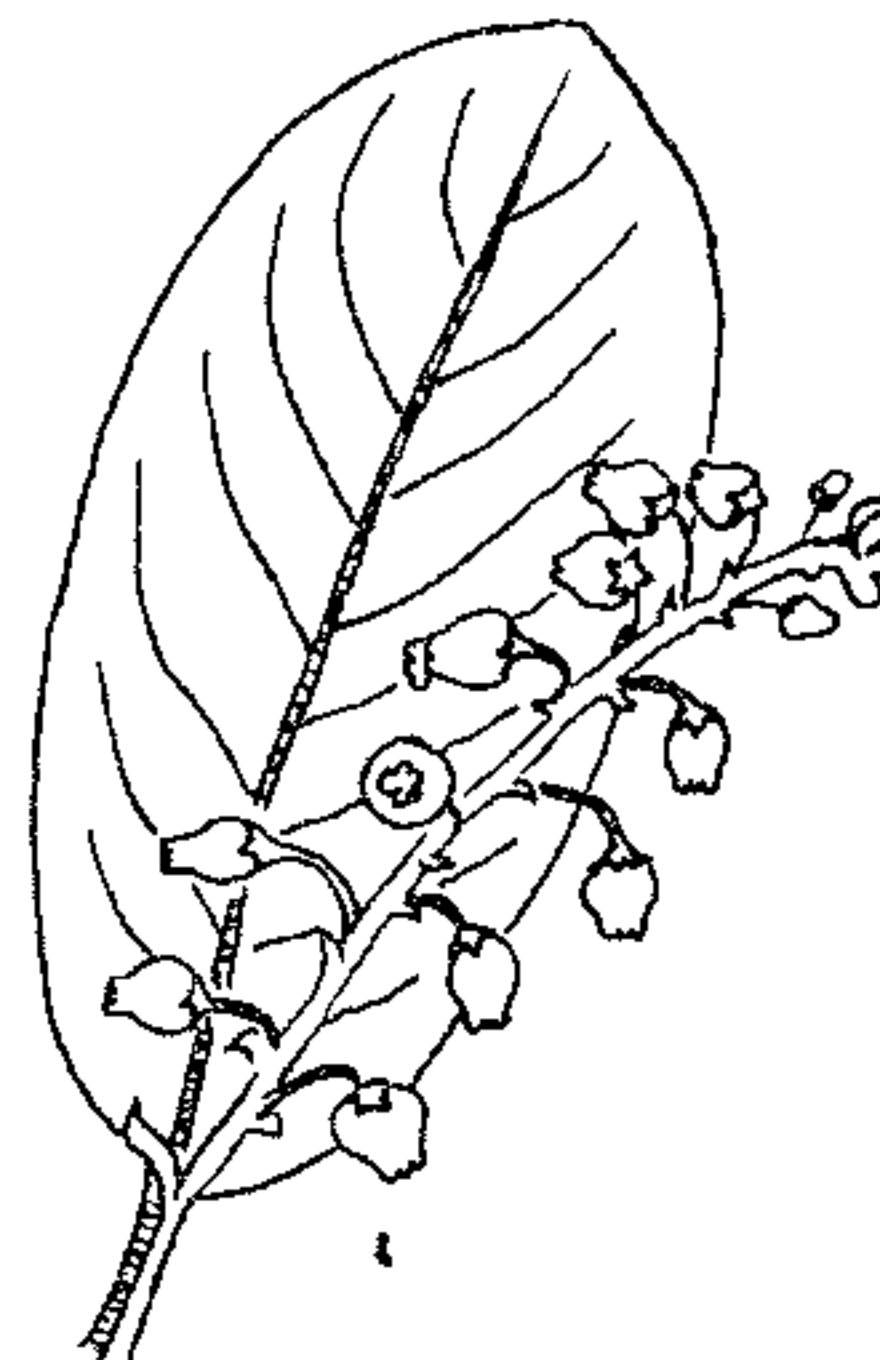
of the dwarf alpine shrubs Mountain Heather (*Phyllodoce*) and Western Leucothoe (*Leucothoe davisiae*) in bogs and around pools of the Siskiyou Mountains and Cascades of southern Oregon. Members of this subfamily with a united but not vase-like corolla include the familiar Rhododendrons and Azaleas (*Rhododendron*) with many cultivated varieties, the pinkish-rose flowered Swamp Laurel (*Kalmia polifolia*) in bogs and mountain meadows, and the rare Kalmiopsis (*Kalmiopsis leachiana*) in the Siskiyou of Curry County. Petals are distinct in 3 species of Labrador Tea (*Ledum*) found in bogs and swamps, and the unusual Cladothamnus (*Cladothamnus pyrolae-florus*) of the moist forests and streambanks from Saddle Mountain in Clatsop County north to Alaska.



Flower of Alaska Blueberry (*Vaccinium alaskense*). Note the typical urceolate corolla and inferior ovary (typical of Vaccinioideae).



Fruit of Alaska Blueberry (*Vaccinium alaskense*) which develops from the inferior ovary. Note the persistent ring of the calyx at the tip of the fruit.



Pacific Madrone (*Arbutus menziesii*). Note the evergreen and leathery leaf, the urceolate flowers in a racemose cluster.



Single leaf and flower of Rhododendron (*Rhododendron macrophyllum*). Note the united corolla with 5 crisped lobes and 10 stamens.

FIELD TRIP REPORTS

JOINT TRIP

Nearly unbelievable acres of fluttering Sisyrinchium douglasii greeted about 35 members of the Willamette Valley, Portland and Mid-Columbia Chapters on a field trip to Mosier on March 29. Keith Chamberlain, Mid-Columbia President, led us up onto the thin-soiled slopes of the Mosier Syncline overlooking the Columbia River, where but for the chilly weather it would have been easy to imagine we were strolling through the fields of Elysea.

Flowers splashed the slopes with vivid color on all sides. Among the red-blue masses of Sisyrinchium douglasii were large yellow patches of Crocidium multicaule and knolls pink with Lithophragma multicaule. Under the sparse Oaks and Pines were constellations of Erythronium grandiflorum and accents of Fritillaria pudica. Scattering the openings were Lomatium columbianum, L. dissectum and L. piperi. Nestled among the rocks were Saxifraga integrifolia and S. occidentalis along with Orobanche uniflora. We were charmed by the diminutive, painted faces of Mimulus alsinoides and Meconella oregana. Hydrophyllum capitata was just shoving up its fuzzy heads and Collinsia parviflora required a stooping inspection. It was interesting to see Pityrogramma triangularis and to dip in the pools for Marsilea vestita.

We had about one and one-half hours of reasonable weather for photography; then cold rain made us put the cameras away. The flowers put on a great show despite the weather, and it was a memorable opening for the 1980 flower season.

Jack R. Bailey

WILLAMETTE VALLEY

Sat. April 5:

You know how it is with an April day:
When the sun is out and the wind is still,
You're one month on in the middle of May.
But if you so much as dare to speak,
A cloud comes over the sunlit arch,
A wind comes off a frozen peak,
And you're two months back in the middle
of March!

Robert Frost

And so it was at Jory Park, April 5. Back in the middle of March.

Very few flowers were in bloom in the cool, shady little park. They were: Viola glabella, Cardamine pulcherrima var. tenella, Cardamine oligosperma, Trillium ovatum, Lysichitum americanum, Asarum caudatum, Ranunculus occidentalis, Ribes sanguineum, Berberis aquifolium, and Lamium purpurea. Leader Maria Eubanks and 3 other members tramped the muddy trails on this stormy day.

Irma Bunnell

SISKIYOU CHAPTER

Members of Siskiyou Chapter, led by Gary Gray (SOSC Geology Department) traveled to Pilot Rock, a volcanic "neck" or core in the Siskiyou Pass area. Fossil leaves from our Oligocene flora were collected for the Geology Department, including Metasequoia, palm, basswood, and avocado or aguacatilla. Living plants in the vicinity included Allium siskiyouensis, Erythronium klamathense, Viola sheltonii, Fritillaria pudica and Fritillaria recurva.

NPSO, PORTLAND CHAPTER

"The Case of the Lost Leader"

This is an apology from a very red-faced leader. On the way to McIver Park I missed a right turn and ended up on the way to Estacada. I righted that error, only to turn left at the park entrance to find myself at the lower picnic area. By this time it was 10:15 a.m.

I stayed in the open for about an hour botanizing and birdwatching along the river. I hope everyone saw the antics of a mating pair of Belted-Kingfishers. Along the river (Riparian) habitat quite a few things were coming up among the rocks and on the sandy shores. Satureja douglassii, Epilobium paniculatum, and two species of willow; Salix scouleriana, and S. mackenziana were in bloom.

On the banks were many patches of Arenaria macrophyllum, Synthesis reniformis, numerous shrubs of Amelanchier alnifolia, AND beautiful displays of Ribes sanguineum. In the cottonwoods (Populus trichocarpa) I collected enough Morchella vulgaris (this species is much smaller than M. esculenta) for several meals. (One of the amenities of getting lost).

Then I proceeded to a wooded trail; where I found a few blooms of Dicentra formosa, one Calypso bulbosa, a few Oxalis oregana, many Cardamine pulcherrima, and a fine display of Lysichitum americanum. I then sprained my ankle by stepping into a Apodontia (Mtn beaver) hole. Somehow, this was one of those days when "I should of stayed in bed"!

On the way out while hobbling with an alder cane, I found the interesting and poisonous Amanita pantherina, and the equally interesting Helvella macropus.

This is an extremely varied area and worth visiting again Now that I know the way, I think that meeting at the entrance may be best for future trips.

Glen E. Walthall
NPSO Naturalist

CHAPTER CALENDARS

PORTLAND CHAPTER

Flower Show -- May 3, 4 and 5

Field Trip -- Saturday, May 10, Dog Mountain, Nancy Russell, leader. Meet 9:00 a.m. at the Charburger restaurant in Cascade Locks. Car-pool 8:00 a.m. in the State Motor Vehicles Dept. parking lot, N.E. 60th and Glisan. This flowery section of the old Pacific Crest Trail climbs 2,390 feet in 2.5 miles.

Meeting -- May 12, 1980, 7:00 p.m. Central Library, 801 S. W. 10th. Program: Hybridization of the Genus Epilobium by Steven R. Seavey, PhD., Asst. Professor of Biology, Lewish and Clark College.

Dr. Seavey in cooperation with Dr. Peter Raven, currently Director of Missouri Botanical Gardens, has published several papers on this subject. He will continue his reaserach this summer, as he has for several summers, working in laboratories and greenhouses in the St. Louis area.

Come and bring a friend.

Annual Meeting -- May 17, 18, NPSO, Silver Falls State Park. Field trips will be featured Saturday and Sunday.

Field Trips -- May 24, 25, La Grande Area. George Lewis, leader. Meet in the Safeway parking lot, La Grande, at 1:00 p.m. Sat. and 9:00 a.m. Sun. La Grande is 260 miles from Portland.

--Saturday, May 31, Starvation Creek. Ruth Hansen, leader. Meet at 10:00 a.m. at the rest stop on I80N, 20 miles east of Cascade Locks. Carpool 8:30 a.m. Lewis & Clark State Park.

-- Saturday, June 7, Triangulation Peak. Helen Moehnke, leader. Meet 9:15 a.m. the junction Rts. 6 and 8, two miles north of Gales Creek. Best approach via highway 26. Carpool in the OMSI parking lot 8:30 a.m.

WILLAMETTE VALLEY CHAPTER

Meeting -- Next regular meeting will be September 15, at the First Methodist Church, Salem, at 7:30 p.m.

Field Trips -- Unless specified meet at parking lot at Court and Front Streets in Salem at 8:00 a.m. Carpool, 3¢ per mile per person.

Saturday, May 10, Finley Refuge, Clint Urey, leader. For more information, call Jack Bailey, 394-2414.

Sat., Sun., May 17-18, State NPSO Meeting, Silver Falls State Park. Willamette Valley Chapter to be hosts.

Sat., May 24, Basket Slough, Irma Bunnell, leader. On to visit Vi and Tony Sobolik at lunch time. Call Jack Bailey 394-2414, if you have any questions.

Sat. June 14, Henline Mountain, Wally and Heike Eubanks, leaders. Call Jack Bailey, 394-2414, for more information.

Friday Field Study Outings -- Willamette Valley Chapter will start their studies under Vi Sobolike on May 2. The purpose is to reinforce skills in keying out plant species. Please bring field guide and meet in the parking lot near the railroad at Court and Front Streets, in Salem at 8:30 a.m., Fridays, where we will carpool to local areas. Passengers please respect 3¢ per mile.

BLUE MOUNTAIN CHAPTER

Field Trips -- For information call Maxine Brown, 276-3872.

Sun. May 11 -- Battle Mountain, Albee Meadows, and Frasier Meadow. Leave BMCC at 9:30 a.m. and return about 3:30 p.m.

Sun. May 18 -- (Tentative) Mt. Emily Summit Road. Leave BMCC at 10:00 a.m. and return about 3:30 or 4:00 p.m. Bring a paper sack for morels!

Sun. June 1 -- Morgan Lake (Union County). Leave BMCC at 9:00 a.m. and return about 3:30 p.m.

SISKIYOU CHAPTER

Meeting -- Thursday, May 1, 7:30 p.m., Science Bldg. SOSC Campus, Ashland. Dr. Darlene Southworth will speak on Plant Pollen.

Field Trips -- Sun. May 11. Roxy Ann Peak, Dave Garcia, leader. Meet 1:00 p.m. Ashland Bi-Mart, 1:30 p.m. Medford K-Mart.

Sat. May 17, Eight Dollar Mountain and the Illinois Valley, Jackie Greenleaf, leader. Meet 8:00 a.m. Ashland Bi-Mart, 8:30 a.m. Medford K-Mart. Bring lunch and water for all day.

Sat. May 31. Fall Creek, Agate Flat, and the Klamath River, Buff Lawrence and Jennifer Riefler, leaders. Meet 8:00 a.m. Medford K-Mart, 8:30 a.m. Ashland Bi-Mart.

Annual Hike and Pot Luck at the Joy's -- on Neil Creek. Meet 12:00 p.m. Medford K-Mart, 12:30 p.m. Ashland Bi-Mart. Parking is limited; plan to carpool from Ashland to Neil Creek. Hike first, eat second!

WELCOME TO NEW MEMBERS

Emerald Chapter:

Leon J. Weill, Eugene
Teresa Ann Maurer, Eugene
Benjamin Ross, Eugene
Nadine Smith, Eugene
Sandra Poinsett, Eugene
Alan B. Curtis, Eugene
O. L. "Ole" Olson, Eugene
John Broz, Eugene

Blue Mountain Chapter:

Armand Frament, Pendleton
Priscilla Dauble, Weston

Mid-Columbia Chapter

Jean Hallgarth, Tygh Valley

Siskiyou Chapter

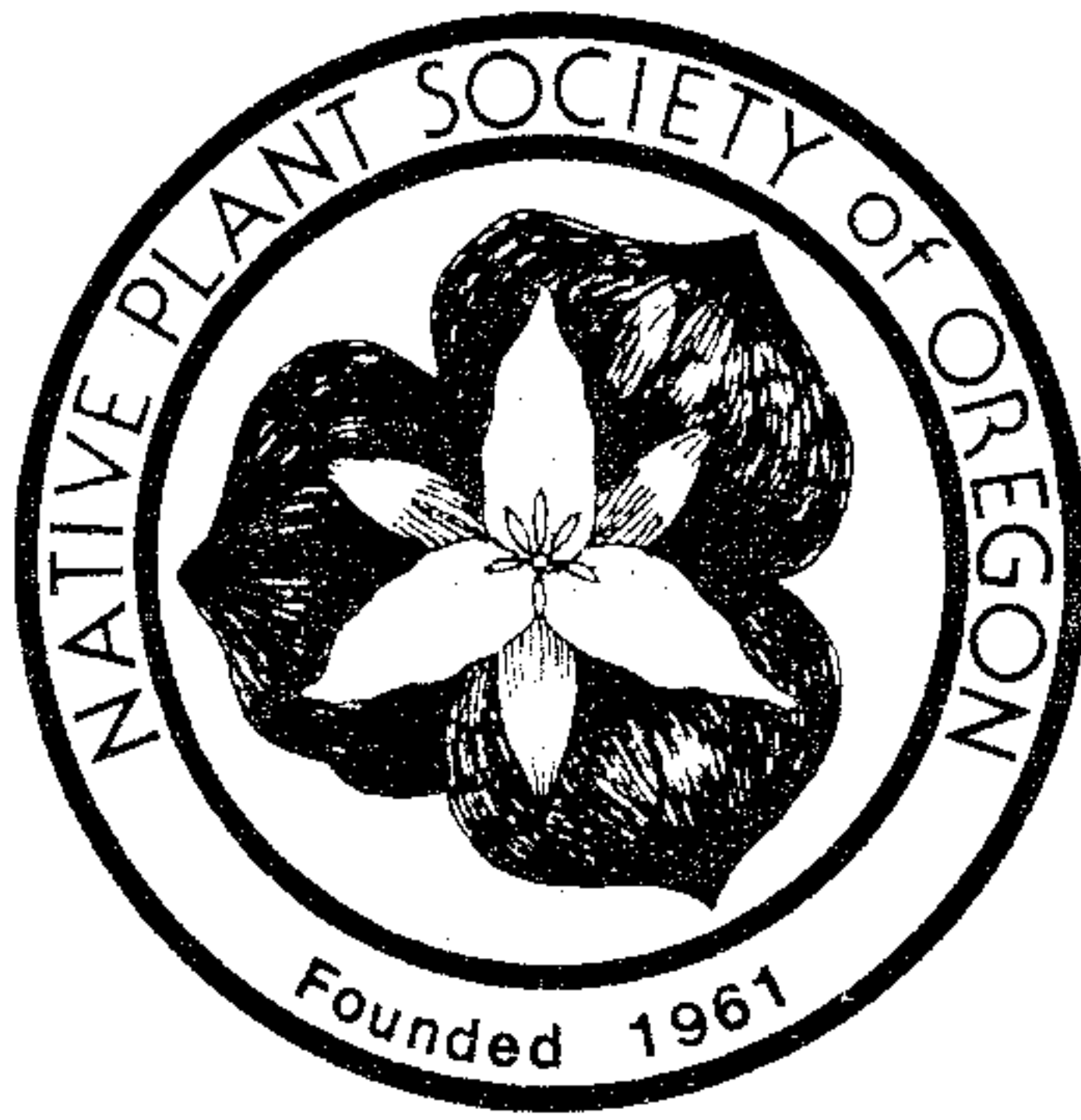
Gwen Starrett, Winston
Shelley Trimiew, Medford
Jennifer Riefler, Ashland
Gary G. Gray, Ashland
John Richter, Ashland
Ronald D. Kranz, Ashland
Su Blumenthal, Ashland

Willamette Valley Chapter

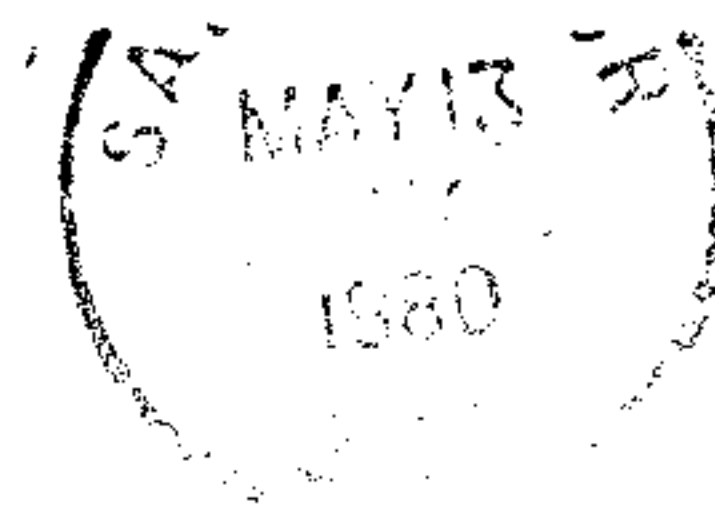
Marsha Briggs, Salem
Winona S. Ewing, Salem
Cheryl Pereira, Corvallis

Portland Chapter

Anna Korn, Calpella, CA
Lowry, Mary A., Portland
Ken and Lynn Vanderkamp, Portland
Dorothy Carbon, Portland
Mr. and Mrs. Hugo Pankow, Portland
Robert and Gretchen O'Brien, Clackamas



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Ashland, Oregon 97520



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Board of Directors: Ingeborg Day, Joan Fosback, Veva Stansell, Dave Garcia, Dave Wagner, George Lewis.
NPSO Bulletin Editors: Vern Crawford and Dr. Frank Lang

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Blue Mountain: Harry Oswald, Box 459, Pendleton, 97801. Phone 276-1241.
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Portland: Ann Whitmyer, 6566 S.W. Terri Ct. #16, Portland 97225. Phone 244-9264.
Siskiyou: Joan SeEVERS, 725 Leonard, Ashland 97520. Phone 482-5492.
Willamette Valley: Tony Sobolik, 2120 Pioneer Road, Dallas 97338. Phone 623-2630

For change of address or information on membership, contact your nearest chapter or Mary Falconer, 1920 Engel Ave., NW, Salem 97304.
Contributions to the NPSO Bulletin or non-delivery notice should be sent to: The Editors, Native Plant Society of Oregon, Department of Biology, Southern Oregon State College, Ashland, OR 97520.

The NPSO Bulletin is published monthly by the Native Plant Society of Oregon incorporated under the laws of the State of Oregon. You are invited to join. Membership includes Bulletin subscription.

Others are welcome to use material from the NPSO Bulletin. Courtesy pleads, however, that credit be given to the author and to the Bulletin.