

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 XVI No.9

September 1983

CHAPTER NEWS

Blue Mountain

--- No scheduled meetings or field trips for September.

Corvallis

--- No meetings or field trips for September.

3 Oct., Mon. Meeting, 7:30 p.m. Cordley Hall, Room 2082, OSU, Corvallis. We will adopt by-laws & organize for the coming year. The featured speaker has not yet been selected.

22 Oct., Sat. (tentative) Field trip: MUSHROOM FORAY to the Cascades will be held in October, tentatively the 22nd. This will be discussed at the Oct. 3 meeting.

Emerald

12 Sept., Mon. Workshop: FUNDAMENTALS OF WILDFLOWER PHOTOGRAPHY, with Jack Hausotter. Meet at 7:15 p.m., Room 33, Science II, U of O campus, kitty corner from the Herbarium.

October OPEN: Call Charlene Simpson, Emerald Chapter Field Trip chair, if you wish to organize & lead a trip. 686-3221 (days) or 686-1094 (eves).

High Desert

27 Sept, Tues. Meeting, 7:30 p.m. Cascade Natural Gas Meeting Room. Election of officers & a program by Barbara & Ken Robinson on their summer travels are on the agenda.

Mid-Columbia

--- No scheduled meetings or field trips for September.

Portland

10 Sept., Sat. Field trip: MT. HOOD MEADOWS. Scenic, floribundant* & accessible (one access path is steep but not long). Meet at Dept. of Motor Vehicles, NE 60th & Glisan at 8:00 a.m., & at 9:45 a.m. at Mt. Hood Meadows ski area parking lot. Leader: Anne Kowalishen.
*Semi-coined word meaning good field trip prospects!

13 Sept., Mon. Meeting, 7:00 p.m. First United Methodist Church. Charlene Holzwarth and George & Rhoda Lewis plan a slide show on Leach Botanical Park, & will tell us in detail about events marking the Park's official opening this month.

- 17 Sept., Sat. Field trip: WIND RIVER DISTRICT of Gifford Pinchot National Forest, probably Observation Peak. Hiking 6 to 8 miles. Meet at DMV (see above) at 8:00 a.m. Leader: Elizabeth Handler, who's aiming for gentians.
- 24 Sept., Sat. Field trip: MUSHROOMS along the northern Oregon coast. Our guest & leader, Conrad Thorne, past president of Oregon Mycological Society, suggests we bring basket, sharp knife, roll of waxed paper or waxed paper bags, field guide if convenient, & any-weather clothing. Maximum 3 or 4 miles walking. Meet at OMSI parking lot, 8:00 a.m.
- 1 Oct., Sat. No field trip.
- 8 Oct., Sat. Field trip: BLUE GRASS RIDGE, on E side of Mt. Hood; hiking to see late flowers, seeds, cones & autumn colors. Carpool at 7:30 a.m. at DMV (see above); regroup at Government Camp rest area 9:00 a.m. Leader: Elizabeth Handler.

NOTE: If the I-84 ramp at 57th Ave. (exit eastbound to reach our DMV carpool lot) is closed, continue to next exit at 68th or 82nd. DON'T PANIC!

Siskiyou

- 8 Sept., Thurs. Meeting: The RED BUTTES. Wayne Rolle will give a slide presentation on this portion of the eastern range of the Siskiyou Mts., along the California/Oregon border. He will share the botanical variety of the area & efforts being made to protect it. For this program only, we will meet at 7:30 p.m. in the Parks & Recreation Building, 59 Winburn Way, at lower end of Lithia Park, Ashland.
- 8 Sept., Thurs. Potluck picnic will be held before the meeting (see above) in Lithia Park. We will meet at 6:00 p.m. in the madrone grove just above the 2nd duck pond & across the creek from the parking area. Signs will show the way. If the weather is bad we will eat in the Park & Recreation Bldg. where meeting is held. Paper plates & cold drinks will be provided.
- 10 Sept., Sat. Field trip: CANCELLED. Was to have been to Forestry Intensified Research Sites, Applegate area.

Willamette Valley

- 19 Sept., Mon. Meeting, 7:30 p.m. Carrier Room of the First United Methodist Church, 600 State St., Salem. The program will feature gorgeous photography by Alan Curtis, Botanist with Eugene District of the BLM. Mr. Curtis has recently returned from a trip to Kauai in the Hawaiian Islands; his program is entitled "Native Plants & Wildflowers of Hawaii".

NPSO T-shirts & notecards

With the gift-giving season approaching, remember to stock up on our beautiful NPSO notecards. These lovely cards, featuring drawings of Oregon rare & endangered plants by Linda Vorobik, make perfect gifts; and the proceeds go to protect Oregon R & E plants. Each packet contains eight cards & envelopes--eight different plant designs for only \$2.50 when purchased from your NPSO chapter, or you can order cards from Charlene Holzwarth for \$3.00 per pack. Send orders or inquiries to:

Charlene Holzwarth
2524 NE 34th, Portland 97212
284-3444

P.S. NPSO T-shirts with our trillium logo in green on white or tan, 100% cotton shirts make super gifts, too. Sizes S, M, L & XL. Price: \$6.75 from your NPSO chapter or send choice of size & color plus \$7.75 to:

Leighton Ho
1826½ Lincoln, Eugene 97401

Members published

Robin & Ken Lodewick, Emerald Chapter members, have a fine article on California penstemons in the July issue of Fremontia, Journal of the California Native Plant Society.

Bob Meinke of OSU, our 1983 Jean Davis Memorial Scholarship winner, has an article in Madrono for July 1983 entitled: "Mimulus hymenophyllus (Scrophulariaceae), a new species from the Snake River Canyon area of Eastern Oregon". The new species, a perennial yellow-flowered monkey-flower, was found by Bob growing in moist cracks of basalt cliffs in the Wallowa Mts. Thus far M. hymenophyllus is known only from Oregon, but it could be looked for in similar habitats in adjacent Idaho. The article is illustrated with a drawing by Linda Vorobik, former editor of the NPSO Bulletin.

President's letter:

" Minimum Impact Camping...Techniques for the New Wilderness Ethic "

Just in time for all our Indian Summer outings, I have come across the following suggestions selected from an REI publication with the above title. (I picked up this REI folder at a Willamette National Forest ranger station.)

TREKKING INTO THE WILDERNESS

Heavy, lug-soled boots may have an adverse impact on fragile terrain and vegetation. Consider wearing well-cushioned running shoes when possible. Use light footwear in camp.

WILDERNESS CAMPING

Locate your campsite at least 100 feet from natural water sources. Select a sheltered site that has already been used, to eliminate further expansion of the camp. Position your tent so it blends with the environment.

SANITATION

Use a "cat hole" if no latrines are available. Proceed with trowel in hand to an area at least 100 feet away from water sources. Carefully remove the surface duff. Dig a hole several inches deep for waste and paper. Replace the soil and duff when you are finished.

WATER POLLUTION

For laundry, dishes, and baths, try to get along without soap if possible. If soap is used, dispose of soapy water at least 100 feet away from water sources.

FIRES

If you make a fire, keep it small and use only down dead wood. Leave your axe at home. Now and again enjoy a fireless evening.

COLOR OF GEAR

Wilderness travelers desire an atmosphere of serenity, and certain bright colors may infringe on this value. Many bright colors become intrusive the deeper you travel in wilderness. For safety you can use a whistle, mirror, or bright piece of signal cloth.

SILENCE

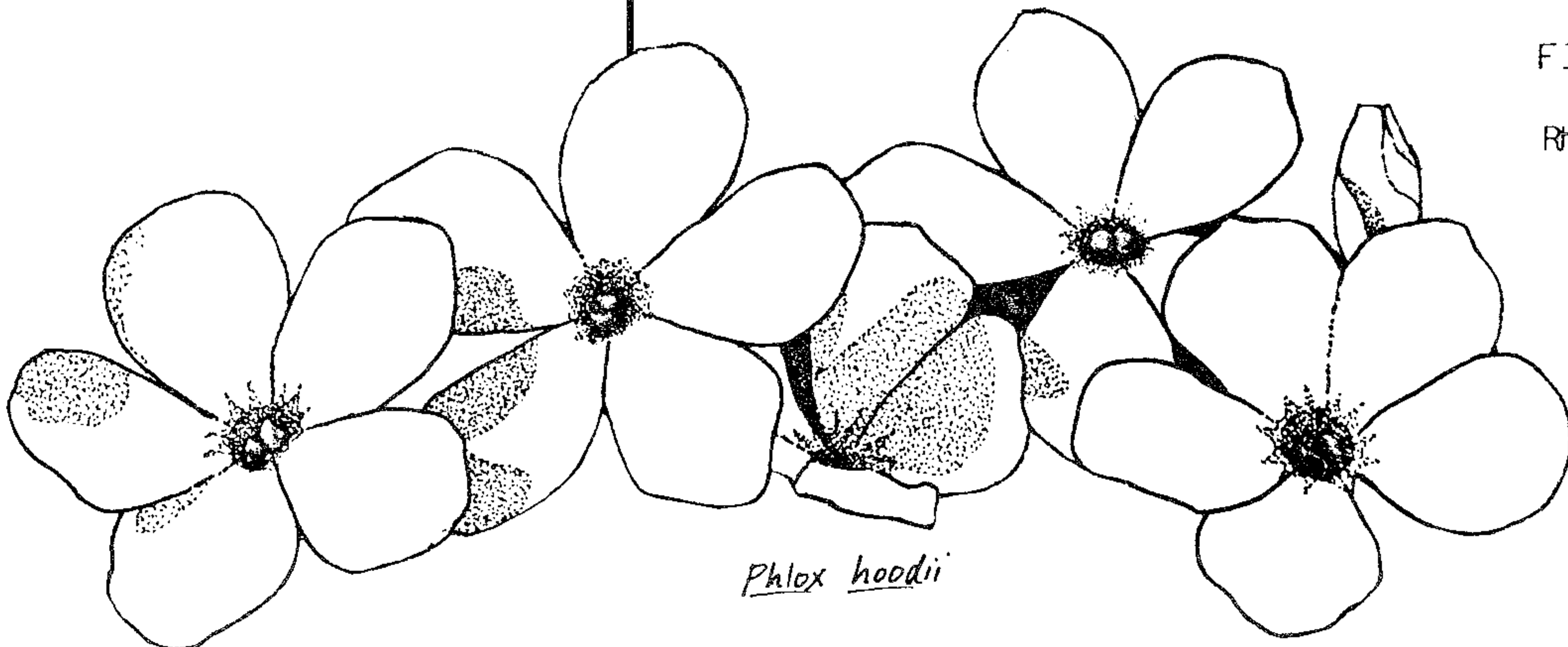
Speak softly, save rowdy games and songs for another time and place. Leave pets at home. Remember wilderness means peace and solitude.

BECOME INVOLVED

All NPSOers are involved because we are members of an outdoor environmental organization. Leave your impact on the legislative process. Support your state and federal wilderness legislation. Let your senators and congresspeople know of your appreciation of wilderness and of the plant communities and habitats that thrive in undisturbed areas.

Flowers forever,

Rhoda Love, Pres.



Hellroaring Meadow, at last

Bird Creek Meadows on Mt. Adams are a favorite destination for Portland Chapter members, and are one of the prime flower sites of our Cascades. But from the overlook we have always before peered down on that wide green untracked meadow below us and wished to go there, to Hellroaring Meadow.

This was the year we made it, on August 13, following Keith Chamberlain on a trip that forty of us, including several others from Mid-Columbia Chapter, will never forget.

That Hellroaring Meadow, at 5400 feet elevation, is over half a mile across laced with the rivulets that become Hellroaring Creek, ankle-deep much of the way in this late-melting summer. It abounds in habenarias, Dodecatheon jeffreyi, Pedicularis groenlandica & P. bracteosa, Caltha biflora. Later will come the gentians, presumably G. calycosa.

Abrupt contrasts in habitat surprised us all day. Bright pink Kalmia microphylla paved a large area with its inch-high mat. In mid-marsh we slogged by a miniature scree, maybe 100 feet square, with Spraguea umbellata, an eriogonum, Eriophyllum lanatum. On through the bogs of Vaccinium caespitosum & Spiraea densiflora to a dry cliff flared with Artemisia michauxiana, penstemons -- the plant listings soared. At the base, Gaultheria humifusa. In a crevice, a campanula all of 6 cm. high, with tufted gray leaves ("hirtellous", Hitchcock says): Campanula scabrella, new to all of us.

Mats of yellow Mimulus tilingii, M. primuloides & dwarfed M. guttatus were accented with pink M. lewisii in the stream gravels below our lunch encampment. Montia chamissoi was new to most of us.

Half of our group continued up the slopes of Little Mt. Adams; the lupines, Castilleja miniata & C. suksdorfii still with us. Interspersed: several Artemisia tridentata and some chrysothamnus, Ipomopsis (Gilia) aggregata -- don't they belong in the arid east? Soon thereafter: Thalictrum occidentale in seed and Trautvetteria caroliniensis, flowering.

Tree cover was only the whitebark pine, Pinus albicaulis, as we scrambled higher. The open slopes of red cinders were flecked with mounds of Potentilla fruticosa, Hulsea nana, Collomia debilis var. larsenii and ample mats of that exquisite Campanula scabrella. The hardiest dozen of our flock report spectacular views from the 6821-foot crest of Little Mt. Adams.

A few other observations are in order:

Photographers & makers of plant lists were feverish. When compiled, our list will surely near 200 species.

Even a handful of Engelmann spruce is a welcome anchor while descending.

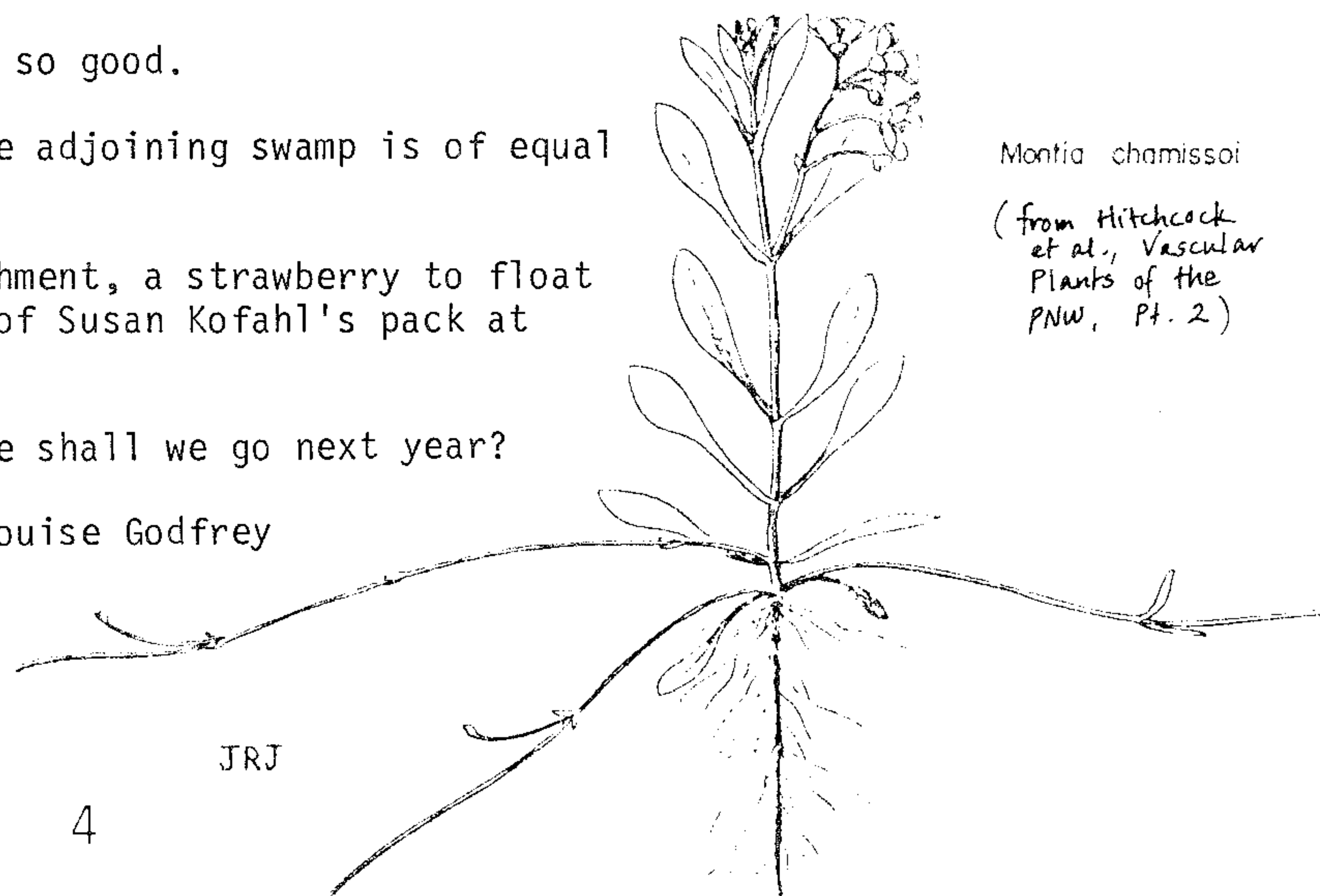
The mosquitoes of Hellroaring Meadow never had it so good.

Fording the creek knee-deep is no problem when the adjoining swamp is of equal depth.

It was Our Leader's birthday. Appropriate refreshment, a strawberry to float in each cup, & a huge tin of cookies, popped out of Susan Kofahl's pack at lunch time.

Happy birthday, Keith, & thank you forever. Where shall we go next year?

-- Louise Godfrey



Board meeting coming

The next NPSO board meeting will be held on October 8 at 1:00 p.m., at Southern Oregon State College in Ashland. Board members will be receiving a map and an agenda from NPSO President Rhoda Love sometime in mid-September.

Data Base use increasing

Housed on the third floor of The Nature Conservancy's offices in NW Portland is the Oregon Natural Heritage Data Base (formerly the Oregon Natural Heritage Program). Begun in 1975, it was the third of what are now more than thirty state Natural Heritage Programs set up by the Conservancy nationwide. In a nutshell, the Data Base is a comprehensive site-specific monitoring system for rare, threatened and endangered plants, animals and ecosystems in Oregon. Professional and amateur botanists and zoologists provide the raw data which is then plotted onto topographic maps and computerized for rapid access. As the science branch of the Oregon Field Office of TNC, ONHDB is responsible for identifying those sites most in need of protection, and has been instrumental in working to protect the more than twenty Nature Conservancy preserves in the state of Oregon.

Experience has taught the Conservancy that a Heritage Program can be most effective as a single, unbiased "clearinghouse" for biological information on a statewide basis. This information is provided to public and private land managers, planners and individuals. Its use reduces conflict between development and conservation interests. As a result no rare species or important habitat need be lost due to a lack of information or understanding.

The State of Oregon has legislatively recognized the Heritage Program as a state body and as such is technically owner and steward of it. However, since the program's adoption, no state funds have been allocated for operation of the Data Base; consequently this vital program is operated entirely by TNC.

The increase in use and support of the Data Base in recent months has been very positive, especially among federal agencies. Already under contract to the U.S. Forest Service, the Data Base has reached preliminary agreements with the U.S. Fish and Wildlife Service and the Bureau of Land Management. These agencies pay an annual fee to cover TNC's costs. In return, the Data Base collects, enters and continually updates the information useful to each organization, providing printouts, reports and other data packages. Other users include private firms, organizations and individuals as well as state and county agencies.

The Oregon Data Base is smaller than many of its sister programs in other states but is very efficient. Data Base coordinator Curt Soper, Jimmy Kagan and Sue Yamamoto keep the system functioning. Jimmy is ecologist and botanist specializing in on-the-ground site evaluations. Sue is in charge of rare plant data management. Curt acts as contact person, zoologist and administrator. The help provided by volunteers and interns is also an important contribution to operations. The Data Base always welcomes interested individuals and hopes very much to work more closely with NPSO and its members in the future. Let's keep in touch!

Curt Soper, ONHDB

The Oregon Natural Heritage Data Base & The Nature Conservancy are located at 1234 NW 25th, Portland; phone 228-9550.

R/E trade checked

The 4th Meeting of the Conference of the Parties to the Convention on International Trade in Endangered Species of Wild Fauna & Flora (CITES), in spring of 1983, produced some improvement in curbing overexploitation of rare plants. A committee was created to solve plant trade regulation problems, including means of distinguishing propagated from wild plants & means of identifying species in a shipment by border officials. Resolutions were adopted allowing export of propagated Appendix II plants with reduced paperwork & regulating all parts of protected plant species except cut flowers of propagated orchids, seeds & spores, & tissue cultures. Appendix I lists species imminently threatened with extinction; Appendix II lists species which may become threatened if trade in them is not restricted.

Among the species placed on the appendices for the first time are four species of Lewisia, including L. cotyledon from southern Oregon & northern Calif. It is highly prized by rock gardeners & is sold by nurseries in the area for about \$2.50 to \$4.50 per plant.

According to Faith Campbell of the Natural Resources Defense Council, who attended the meeting:

" The most disappointing aspect of the meeting was the clear double standard vis a vis plants & animals. Most of the member countries are eager to put on the appendices any vertebrate which may be threatened by overharvest and trade. They also view with considerable suspicion any proposal to remove any animal species from the appendices. These same countries are much more willing to transfer plants to a less-protected status, however. And some, especially the Europeans, made clear their strong objection to proposals to single out individual species of plants for increased protection.

The U.S. had proposed to transfer one genus & about sixty species & subspecies of cacti to Appendix I in order to prohibit commercial trade in wild specimens of these extremely rare plants. The Europeans vehemently opposed this proposal. They were not interested in discussing data on the species' biological status or the heavy trade. Nor did they acknowledge that Europeans buy these species, either from U.S. dealers or directly from Mexico. They instead complained loudly about the impossibility of recognizing the species & said that if U.S. enforcement were improved, the problem would be solved. (While I have

always been critical of U.S. enforcement, I believe that it is steadily improving & is now probably the best in the world.)

Our efforts to protect these cacti, & another thirty species proposed for addition to the CITES appendices, were further hampered by the U.S. government's decision not to send a botanist to the meeting."

WELCOME, new members

EMERALD CHAPTER
Cynthia A. Adams
Bjorn Olson

HIGH DESERT CHAPTER
Betty Seidel

MID-COLUMBIA CHAPTER
Mary Struck

SISKIYOU CHAPTER
Dr. James R. Ford

WILLAMETTE VALLEY CHAPTER
Mrs. Margaret West

Hunter Creek Bog in jeopardy

Many of southwest Oregon's regionally significant botanical areas are associated with valuable mineral deposits. Hunter Creek Bog & Springs, like many such botanical gems, are also at least partly situated on federal land. Located six miles inland from Gold Beach, Hunter Creek Bog's Darlingtonia, Vollmer's lily (Lilium vollmeri), California lady's slipper (Cypripedium californicum) & elegant gentian (Gentiana bisetata), all federal T & E candidates, anchor their roots in deep lateritic soils laced with nickel, cobalt & chromium. The bog ecosystems, represented by a pond & several cascading "hanging bogs", & the upland ecosystems (featuring Poa piperi on a ridgetop) are unique & relatively undisturbed. The darlingtonia population of Hunter Creek Bog is the largest on the Oregon coast. A mosaic of serpentine & non-serpentine parent materials add to this utopia for research ecologists.

Strip mining is the only method for retrieval of the rare minerals, & there is virtually no hope of revegetation.

The Kalmiopsis Audubon Society wrote a very professional proposal to the Bureau of Land Management for designation of the Hunter Creek Botanical Area as an Area of Critical Environmental Concern (ACEC). This would require special management attention to its botanical values. BLM representatives say that ACEC designation would not prevent mining; however, the Endangered Species Act of 1973 & the Mining Act of 1852 (two of the most strongly worded laws governing the Bureau's stewardship of the land) have not yet done battle in the courtroom.

The BLM has recently decided against the designation. Perhaps the current administration's policy is to disregard previously passed legislation, such as FLMPA, the multiple-use law. We fervently hope that a pattern of abuse of stewardship is NOT developing within the high ranks of the BLM. The consciousness of BLM employees at the local level is not in question.

Deschutes \$\$ sought

The Association of NW Steelheaders has joined the Oregon Wildlife Heritage Foundation & other organizations in seeking to purchase the lower twelve miles of the Deschutes River, from the Columbia upstream to Harris Canyon, for permanent public ownership & access. The State of Oregon has pledged \$800,000 of non-general funds. \$1,800,000 must be raised from private individuals & organizations. This fund-raising goal, planned to be reached by September 1983, has still not been met.

Those interested in becoming involved in the fund-raising effort, or in making a donation, should contact one of the persons named below (both are members of the Salem Chapter of NW Steelheaders). All donations are tax deductible.

Mr. Carroll D. Johnston
1747 Sonya Dr. SE
Salem, OR 97301 364-1394

Mr. Lee H. Peterson
1299 Saginaw S
Salem, OR 97302 371-4184

R/E group meets

Portland is the first to launch its Chapter Rare & Endangered Plant committee under the reorganized State R/E committee, chaired by Jean Siddall. Charlene Holzwarth, Portland Chapter R/E Chairman, held the first meeting of the new committee on August 1 at the Oregon Rare & Endangered Plant Project office to familiarize new members with the filing & mapping systems.

The Portland Chapter R/E committee plans to help the state R/E chairman & OREPP with mapping & transcription as well as doing field searches for new sites in the Portland area and monitoring known populations.

File clerks, typists & record-keepers are needed as well as botanists. Anyone wishing to participate in this effort should contact Charlene Holzwarth (284-3444 eves) or Jean Siddall (636-4633).

Video ready

The long-awaited videotape on rare plant preservation in the Willamette Valley is finally complete, and ready to be broadcast or shown to local NPSO chapters. It is titled: Rare Plants: Problems and Promise in the Willamette Valley.

The tape consists of some video footage produced by Bud Beechwood of KOIN-TV in Portland (originally aired Jan. 15-16, 1983) with interviews of Sam Johnson of The Nature Conservancy and Anne Kowalishen of NPSO. Sam and Anne explain global and local repercussions of human activities with respect to rare plant habitat. In addition some new material has been produced by Dick Castle of Community Productions and Tammy Maurer, Emerald NPSOer, featuring an interview with Steve Gordon. Steve is a Eugene city planner who helped design an innovative plan requiring land developers, local government and conservation groups to cooperate in preserving Willow Creek, a Nature Conservancy preserve just at the urban growth boundary of Eugene featuring Aster curtus, Erigeron decumbens var. decumbens, Lomatium bradshawii and Sidalcea nelsoniana.

The 25-minute tape is available for use by local NPSO chapters or other interested groups. Call Jeanne Huffstutter in Portland at 244-8224 or Tammy Maurer in Eugene at 344-5327 for details.

EMERALD MEMBERS NOTE: The tape will be aired in Eugene on Cable II either on Thurs. Sept. 15, 8:30 p.m. or on Mon. Sept. 19, 8:30 p.m. Check local newspapers for exact date or call Cable II at 343-2089.

Thanks to Anne Kowalishen, Sam Johnson and The Nature Conservancy, Steve Gordon, Tammy Maurer, Rhoda Love & NPSO, Gaylee Goodrich & Jimmy Kagan who contributed to this production.

Very special thanks to Bud Beechwood & KOIN-TV for permission to use footage and to Dick Castle, without whose patience and valuable time this tape would never have been completed.

Oregon sightings

Fritillaria camschatcensis (L.) Ker-Gawl (LILIACEAE): Multnomah Co., Mt. Hood Nat. Forest, N. Fork Reservoir, Bull Run Management Area. T1N R7E Sec. 19; 3100 ft., 29 Sept. 1982, Kierstead 82-77 (OSC).

Dried capsules were spotted in September 1982 & tentatively identified as F. camschatcensis; verified in flower June 1983. A search of the area by Russ Jolley, Rick Brown & Julie Kierstead revealed a healthy, reproducing population of several hundred plants, growing in a boggy meadow with Betula glandulosa, Myrica gale, Kalmia occidentalis, Scirpus cespitosus, Tofieldia glutinosa.

First record from Oregon. Range extension of 130 mi. Known range (from Hitchcock et al., 1969): Kodiak Isl. & coastal Alaska S to Island & Snohomish Cos., Washington.

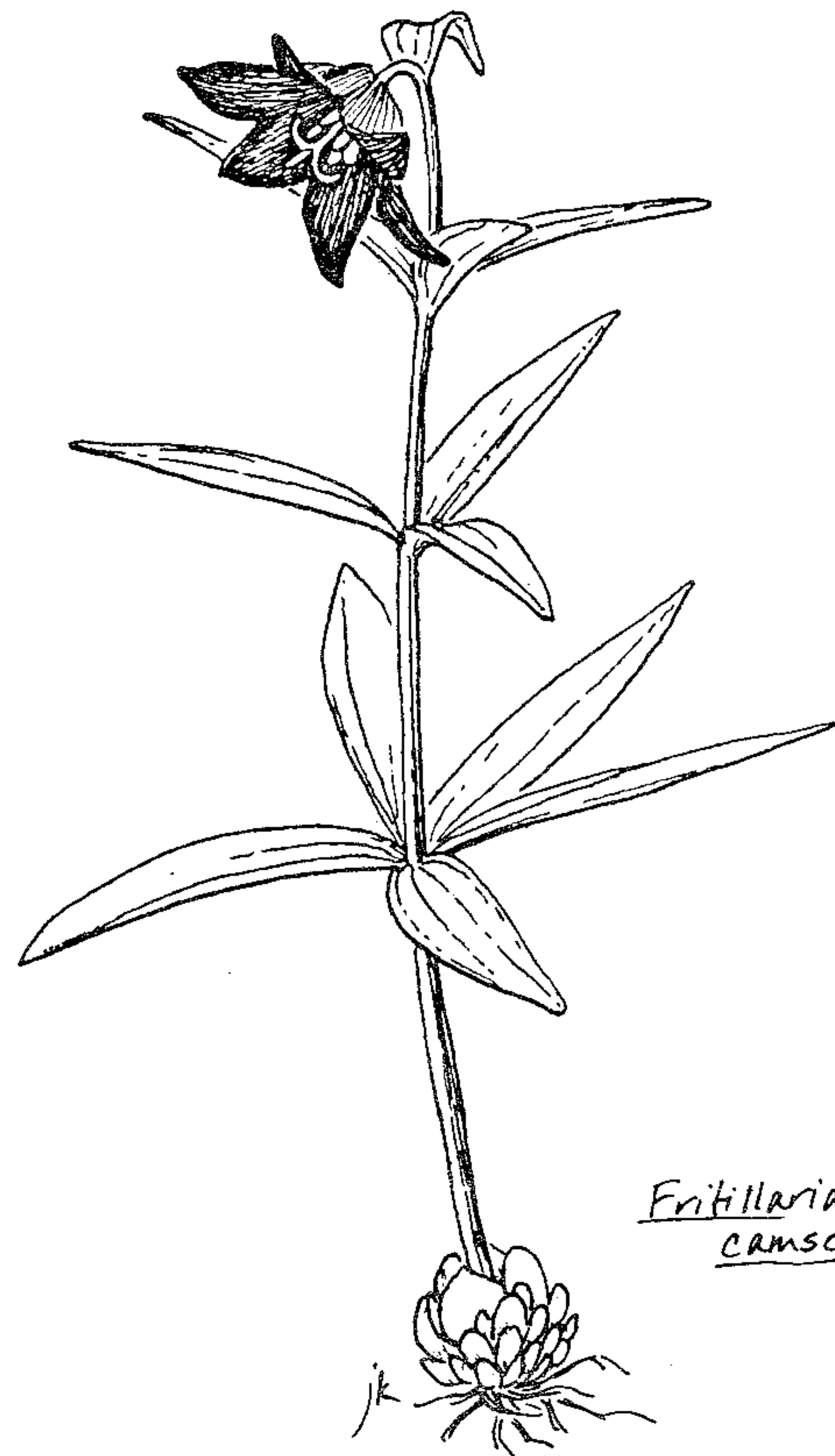
Giants visited

Thirteen Native Plant Society members of the Willamette Valley Chapter visited the Valley-of-the-Giants Outstanding Natural Area in the Coast Range mountains of Polk County on Sunday, July 17, 1983. The old-growth stand of 400-600-year old Douglas-fir & hemlock trees is valuable as a site for botanical observation & education. The exceptionally large size of the trees has generated considerable interest in & concern for their protection as a remnant of what much of northwestern Oregon once looked like. Many of the Douglas-firs are over twenty feet in circumference, & three of them are over thirty feet. In addition the area provides habitat for many species of wildlife, including the spotted owl, which requires special habitat management areas of old-growth forest.

NPSO members visiting on July 17th developed a plant list of those species to be found along the main access trail from the parking lot to "Big guy", a fallen Douglas-fir measuring 35 feet, 6 inches in circumference & which was 230 feet tall. The tree, which people have traveled across the country & from Europe to see, was considered to be the second largest Douglas-fir in Oregon & one of the largest in the world. Two severe windstorms in November, 1981, toppled the large tree, but many others of significant size remain.

The visiting NPSO members were awed & inspired by the ancient giants; and to make the image more exciting we could hear the voice of thunder clapping loudly overhead, as if the giants were speaking. Photographs were taken, and all agreed that they came away a little wiser & more reverent.

Martha Blau
Willamette Valley Chapter



Fritillaria
camschatcensis

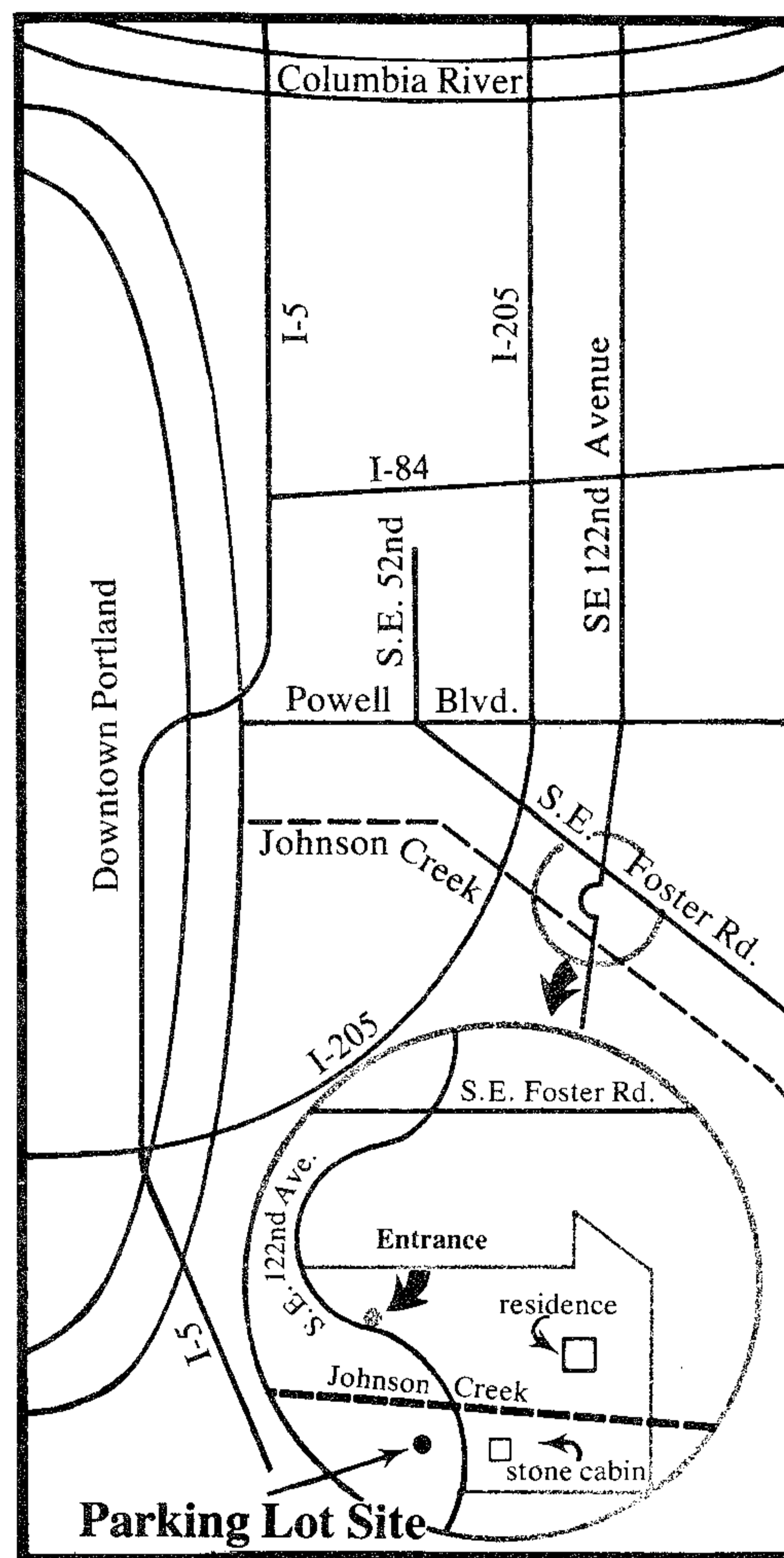
Leach Botanical Park, Portland's newest city park, will celebrate its official opening in September with a month-long schedule of events. Displays, tours, lectures, slide shows & music are planned. All events are free but space is limited, so reservations are recommended. (Call 761-9503.)

The official Park opening will mean several changes at the Park. Starting Sept. 1 new hours are in effect: Tues. - Sun. 11 a.m. - 4 p.m. Self-guided tours also begin at this time, with map & plant list developed by Garden Curator Bonnie Brunkow. These tours may be taken anytime during Park hours. Renovations on the Leach house are complete & it is now available for weddings, receptions, meetings & other special events. Call 761-9503 for information.

Leach Botanical Park Opening Month Activities

- | | | |
|----------|------------|--|
| Sept. 1 | 10:30 a.m. | <u>Ribbon cutting</u> ; displays, music in the garden, tours, refreshments. |
| Sept. 1 | 11:00 a.m. | Start of new Park hours (Tues.- Sun. 11-4) & self-guided tours. |
| Sept. 1 | | <u>Display of Fall Foliage & Berried Plants</u> . Through Sept. 30. |
| Sept. 3 | | <u>Display of Birdhouses & Feeders</u> . Through Sept. 9. |
| Sept. 3 | 12:00 noon | Lecture on <u>Building Birdhouses & Feeders; Gardening for birds</u> . Betty Ferguson, Audubon Society member. |
| Sept. 7 | 12:00 noon | Lecture; same as Sept. 3. |
| Sept. 10 | 11:00 a.m. | <u>Discussion & Identification of Mosses</u> of the Pacific NW & Leach Park. Faith Mackaness. |
| Sept. 10 | | <u>Display of Mosses</u> . Through Sept. 13. |
| Sept. 14 | 12:00 noon | <u>Pine Needle Basket class</u> . Gerry Russell. |
| Sept. 15 | 7:30 p.m. | <u>Tribute to the Neighborhood</u> , past & present; honoring longtime area residents & those responsible for the formation of Leach Park. |
| Sept. 16 | | <u>Display of Ikebana Arrangements</u> . Through Sept. 18. |
| Sept. 17 | 2:00 p.m. | <u>Hats Off to our Friends</u> ; Garden party reception to recognize volunteers & contributors. By invitation only. |
| Sept. 18 | 1:00 p.m. | <u>Music in the Garden</u> by the Chamber Music Society. |
| Sept. 21 | 12:00 noon | <u>Guided Tour</u> of the Garden & history of Leach Park area. Ernie Francisco, Leach Garden Friends president. |
| Sept. 24 | 10:00 a.m. | <u>Mushroom Appreciation class</u> . Jean Siddall, Oregon Rare & Endangered Plant Project. |
| Sept. 25 | 2:00 p.m. | <u>Slide Show: Native Flowers</u> of the Northwest. From the Bargar Collection. |
| Sept. 28 | 12:00 noon | Lecture on <u>Conifers</u> by George Lewis, Member of the Native Plant Society of Oregon. |
| Sept. 28 | 7:30 p.m. | Lecture on <u>Bulbous Plants</u> by David Palmer, Director of Berry Botanic Garden. |
| Sept. 29 | 7:30 p.m. | <u>Basic Plant Illustration</u> by Julie Kierstead, Taxonomist, Berry Botanic Garden. |
| Oct. 2 | | <u>Herbal Display</u> prepared by Cascade Anderson. Through Oct. 7. |

Leach Botanical Park



Books reviewed

Wildflower Genetics by Anthony J.F. Griffiths & Fred R. Ganders. 1983. Flight Press, 3630 West Broadway, No. 2, Vancouver, B.C. V6R 2B7 CANADA, list price \$9.95.

It is hard to imagine a botanist roaming afield in the Pacific Northwest who does not periodically drop to the knees to look closely at a plant and mutter, "Something strange is going on here." The authors of Wildflower Genetics, both associated with the University of British Columbia, have provided a wonderful overview of the kind of things which will bring a botanist to a screeching halt and an introduction to the mechanisms which produce these strangenesses. This book is lavishly illustrated (for the price), including 35 color plates, but is not for the casual posy sniffer. It is the keen observer who will appreciate the insight into what is known about unusual patterns of plant development, and the active worker who will pick up on the hints of studies which need to be done to come to proper understanding of how and why plants vary the way they do. One will find stories about albino flowers, red-spotted leaves of weeds, male sterile minorities and cut-leaf trees.

Many botanical books are written which purport to bridge the needs of the serious amateur and the professional, but few will be encountered which are as successful as this gem. The book will help the independent flower watcher recognize when something really exciting has been discovered and should be reported to the local university botany department. Graduate students at these same institutions will find this book a rich source of potentially rewarding projects. Professional botanists who teach systematic botany will find local examples of the evolutionary principles they desire to explicate. The amateur who wants to make a serious contribution to science will find clear direction in this book. Get this book; you'll love it!

David H. Wagner
Emerald Chapter

THE USES OF BOTANY by Brenton Braley

There should be no monotony
In studying your botany:
It helps to train and spur the brain
Unless you haven't got any.

It teaches you--does botany
To know the plants and spotany
And learn just why they live and die
In case you plant or potany.

You learn from reading botany
Of woolly plants and cottony
That grow on earth and what they're worth
And why spots have notany.

You sketch the plants in botany;
You learn to chart and plotany
Like corn and oats. You jot down notes
If you know how to jotany.

Your time, if you'll allotany
Will teach you how and whatany
Old plant or tree can do or be--
And that's the use of botany.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

CHAPTER (if known) _____

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____

IS THIS A CHANGE OF ADDRESS? If so please
write your OLD ADDRESS:

CITY _____ STATE _____ ZIP _____

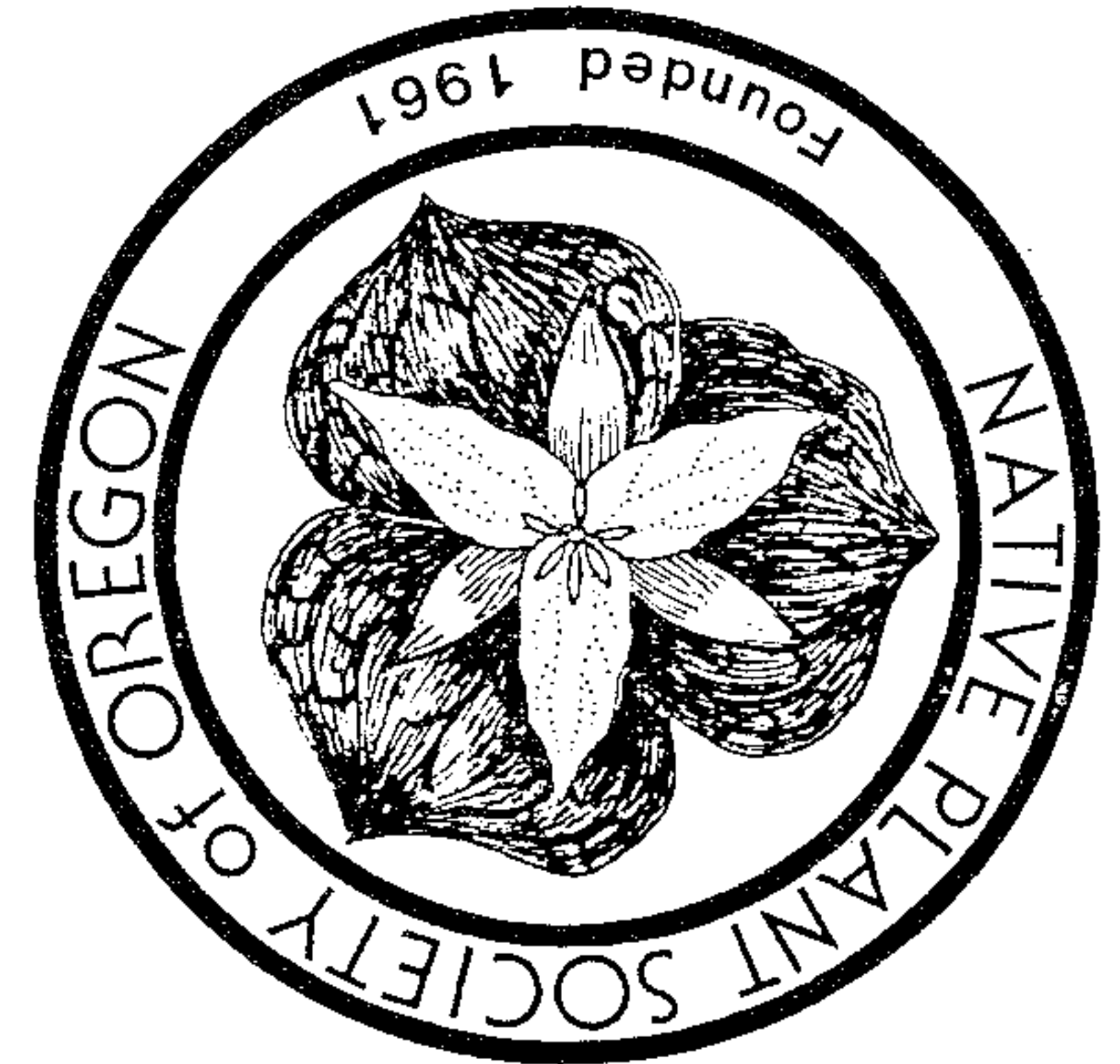
* DUES include monthly news bulletin. Full membership runs from January through December. Quarter membership runs from September through December.

<input type="checkbox"/> NEW	<input type="checkbox"/> QUARTER MEMBERSHIP (\$2.50)	<input type="checkbox"/> RENEWAL
<input type="checkbox"/> Student \$ 7.50	<input type="checkbox"/> Sustaining \$ 25.00	
<input type="checkbox"/> Regular 10.00	<input type="checkbox"/> Patron 100.00	
<input type="checkbox"/> Family membership 15.00	<input type="checkbox"/> Life member 500.00	

*CONTRIBUTIONS:

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

*All contributions to the Native Plant Society of Oregon, a non-profit organization, are tax deductible. Please make checks for dues & contributions payable to NATIVE PLANT SOCIETY OF OREGON. Send completed form & full remittance to: MARY FALCONER, NPSO MEMBERSHIP CHAIR, 1920 Engel Ave. NW, Salem, OR 97304.



NON PROFIT ORG.
U.S. POSTAGE
PAID
Portland OR 97208
Permit No. 2432

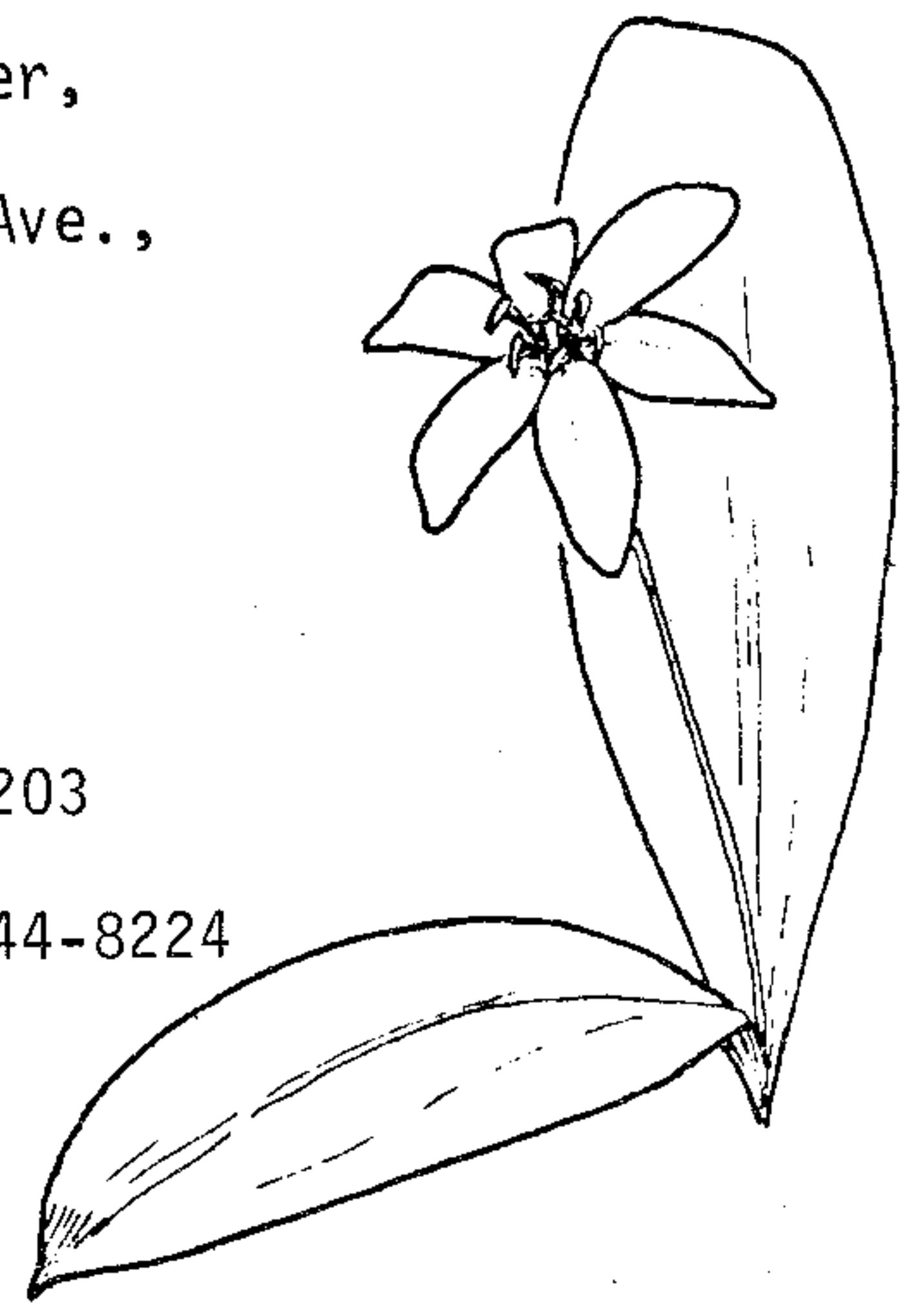
The Editor
Native Plant Society of Oregon
c/o Berry Botanic Garden
11505 SW Summerville Avenue
Portland, OR 97219

NATIVE PLANT SOCIETY OF OREGON

President: Rhoda Love, 393 FulVue Dr., Eugene, OR 97405; 345-6241
Vice President: Wilbur Bluhm, 743 Linda Ave. NE, Salem, OR 97303; 393-2934
Secretary: Florence Ebeling, 7725 SW 82nd Ave., Portland, OR 97223; 244-4122
Treasurer: Nadine Smith, 1128 Jackson, Eugene, OR 97402; 344-6478
Board of Directors: Virginia Crosby, Alan Curtis, Florence Ebeling, Marge Ettinger,
Larry Scofield, Shep Wilson
NPSO Bulletin Editor: Julie Kierstead, Berry Botanic Garden, 11505 SW Summerville Ave.,
Portland, OR 97219; 636-4112 (day) 666-8387 (eve)

CHAPTER PRESIDENTS

Blue Mountain: Harry Oswald, Box 459, Pendleton, OR 97801; 276-2292
Corvallis: Dan Luoma, 1289 Vista SE, Salem, OR 97302; 363-8419
Emerald: Leighton Ho, 1826½ Lincoln, Eugene, OR 97401; 345-3252
High Desert: Kathleen Cooper, 61548 Oakwood Place, Bend, OR 97702; 389-8203
Mid-Columbia: Keith Chamberlain, Box 151, Mosier, OR 97040; 478-3314
Portland: Jeanne Hufstutter, 9525 SW 12th Dr., Portland, OR 97219; 244-8224
Siskiyou: Wayne Rolle, P.O. Box 531, Ashland, OR 97520
Willamette Valley: Wilbur Bluhm, 743 Linda Ave. NE, Salem, OR 97303; 393-2934



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 a subscription to the BULLETIN.

Send membership applications (provided by Chapter presidents listed above) to:

Mary Falconer, Membership Chair; 1920 Engel Ave. NW, Salem, OR 97304

Send change of address (include old address and zip) to:

Joyce Beeman, 16770 SW 113th, Tigard, OR 97223

Send BULLETIN copy to the editor by the 15th of the month (editor's address listed above)