

### CHAPTER NEWS

#### Blue Mountain

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For information, contact Bruce Barnes, 276-5547.

#### Corvallis

13 Sept., Sat.

Field Trip: VALLEY OF GIANTS RESEARCH NATURAL AREA. Call Dan Luoma for information (758-8063).

#### Emerald

? Sept.

Field Trip to Lily Lake. Date and time to be decided. Contact Leighton Ho for information (345-3252).

8 Sept., Mon.

Meeting, 8:00 pm. Amazon Park Community Center, North Crafts Room. DEAD AND DOWNED WOOD IN PACIFIC NORTHWEST FORESTS: ITS ECOLOGICAL ROLE. OSU biologist Mark Harmon will describe the establishment of a 200 year log decomposition study at the H.J. Andrews Expt. Forest. Implications for logging practices and old growth management will be discussed.

#### High Desert

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For information, contact Stu Garrett (389-6981).

#### Mid Columbia

10 Sept., Wed.

Meeting, 7:30 pm. Meet at Pietro's Pizza House in The Dalles. Carolyn Wright and David Gross will discuss their NPSO grant for BLM Wilderness Study Area Plant Surveys in the Mickey Basin, Long Draw, and Silver Creek RNA's of SE Oregon. Come early, 7 pm, and have pizza!

#### North Coast

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For information, contact Richard Smith (842-4324).

#### Portland

6 Sept., Sat.

Field Trip to CLOUD CAP, MT. HOOD. Leave at 8:00 am from the K-Mart at 122nd and Sandy, south end of parking lot, or meet in Hood River at the Hood River Inn at 9:15am. Leaders are Sara Barnum and Joyce Beeman (639-3353).

10 Sept., Tues.

Meeting, 7:00 pm. First United Methodist Church, 1838 SW Jefferson, Portland. Geologist Ralph Mason is speaker. His topic is "Nothing is sometimes something; exploring some of the holes in modern life."

13 Sept., Sat.

Field Trip to INDIAN HEAVEN, THOMAS LAKE TRAIL TO ROCK LAKE and on to Blue Lake if time allows. Leave at 7:30 am from K-Mart at 122nd and Sandy, south end of lot, or meet at north end of Bridge of the Gods at 8:30 am. Leader: Maxine Wilson(655-1523).

- 20 Sept., Sat. Field Trip to CHINIDERE MOUNTAIN. Leave at 8:00 am from K-Mart at 122nd and Sandy, south end of lot, or meet in Hood River at the Hood River Inn at 9:15 am. Leaders are Herb Armentrout (658-2751) and George Jeffcott..
- 27 Sept., Sat. Field Trip to DOG RIVER TRAIL, 6.6 miles through varied habitat, fall foliage. Short car shuttle. Meet at 8:00 am at K-Mart, 122nd and Sandy, or at 9:15 am at Hood River Inn. Trailhead is about 20 miles south on Hwy. 35. Leader is Louise Godfrey(223-4785).

## Siskiyou

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For information, contact Ron Nitsos (482-6341).

## Willamette Valley

- 15 Sept., Mon. Meeting, 7:30 pm. Willamette University, Collins Hall, Rm. 118. INTRODUCTION TO GRASS IDENTIFICATION, a workshop with Lois Kemp.

## Wm. Cusick

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For information, contact Andrew Kratz (963-9358).

### ATTENTION CHAPTER PRESIDENTS: NOMINATING COMMITTEE

We need to start work on the Nominating Committee earlier this year. Please designate (or find) a member of your chapter to serve on this year's Nominating Committee, and forward their name and contact number to me by Oct. 10th: Susan Kofahl, Box 151, Mosier, OR 97040. I'd like to have a committee formed by the October 11th Board Meeting.

### RARE PLANT CONFERENCE

The 1986 Oregon rare, threatened and endangered plant conference will be held in Eugene the weekend of the 18-19th of October. We will be attempting to update the Oregon list in order to republish the booklet, "Rare, Threatened and Endangered Plants and Animals of Oregon", as we do every other year. Other topics related to rare plants will also be discussed. More detailed information regarding the agenda and the exact location of the conference will be included in the next NPSO Bulletin.

In order to defray costs of sending maps, providing coffee and tea at the conference, and other expenses, a \$5.00 registration fee is suggested. This registration will also entitle one to a copy of the booklet, "Rare, Threatened and Endangered Plants and Animals of Oregon".

For further information contact either the Oregon Natural Heritage Data Base, 1234 N.W. 25th Ave., Portland, OR 97210, ph. # 228-9550, or Dr. David Wagner, Herbarium, Biology Department, University of Oregon, Eugene, OR 97410, ph. # 686-3033.

### WELCOME NEW MEMBERS

#### CORVALLIS

Beverly Clark  
Dr. L.R. Heckard

#### MID COLUMBIA

Joy Edgington

#### PORTLAND

Mike Althouse  
Bob Bard  
Gale Rankin

### COMMEMORATIVE NPSO PINS

In commemoration of NPSO's Silver Anniversary, a pin bearing our Trillium emblem will be offered for sale at \$2.00 each through your local chapter. A sample pin will be sent to each chapter upon arrival this month and orders should be placed by chapter to Susan Kofahl.



OREGON NATURAL HERITAGE DATA BASE AND STATE  
PARKS SEEKING RARE PLANT AND NATURAL AREA  
INFORMATION FOR MASTER PLANNING PROCESS

The Oregon State Parks Division has contracted with the Oregon Natural Heritage Data Base to provide information on natural values which occur on State Parks. The data base will provide printouts of rare plant records, a data base containing natural values on parks for use on the State Parks computer, and any other information available. The State Parks Division currently does not have the funds to allow for complete surveys of all parks, and are hoping to gather any information which members of the Native Plant Society may have.

The Oregon Natural Heritage Data Base (ONHDB) currently has files which contain information on all State Parks (as well as other managed areas in Oregon). These files contain species lists for some parks, rare plant sighting forms, and plant community descriptions. Much of this information is based on surveys done in 1975-1977, and is probably outdated. Does anyone have recent lists? Do you know of new rare plant occurrences on State Parks? Are there some important natural areas on State Parks which are being overlooked (a little bog hidden in the trees, a small patch of old growth forest, a large concentration of orchids)? By providing this information to the state, we can prevent any areas from being accidentally destroyed.

The State Parks Division has recently hired Margie Willis to be their planner in charge of natural values. Once Margie gets caught up on the master plans, she hopes to free up some time to work on interpretive trails, maps and signs which would help everyone enjoy and understand rare plants and their habitats. She would appreciate receiving any information you may have regarding what you have seen on State Parks.

ONHDB will forward all information received to Margie and State Parks, as well as including it in the data base files. This information then becomes available to all.

If you plan on going to a park and doing some botanizing - do not hesitate to give us a call to ask what to look for or what we know already. (We may have quite a bit of information already). Also, if you have only one copy of a plant list, or field notes, and are unable to easily get them copied, we will guarantee to copy it and mail it back to you the same day. Please send anything you may have to:

Oregon Natural Heritage Data Base  
1234 NW 25th Ave.  
Portland, OR 97210  
Tel. ph # (503) 228-9550

Jimmy Kagan

ONRC 14th ANNUAL NATURAL RESOURCES CONFERENCE

The Oregon Natural Resources Council will hold the 14th Annual Natural Resources Conference at the Breitenbush Hot Springs by Detroit, Ore., on Sept. 19-21, 1986.

Conference registration opens Friday, Sept. 19, at 6 p.m. The ONRC Governing Council will meet at 7 p.m. Other interested individuals are also welcome to attend. Other Friday evening activities include a Breitenbush audio-visual presentation, owl hoot, and hot tubs.

Saturday morning workshops include Offshore Oil and Gas Leasing Threats, The Proposed Siskiyou National Park, High Desert Wilderness Studies and Old Growth Forests: Spotted Owl Controversy. Following lunch there will be a choice of several different field trips: Olallie Lakes Scenic Area, Opal Region of the Hidden Wilderness, Triangulation Peak--Boca Cave, and a walk through a Spotted Owl Management Area.

The keynote speaker at the Saturday evening banquet and awards ceremony will be Brock Evans, vice-president of national issues for the National Audubon Society. A presentation on Hells Canyon and "Northwest Old Growth Forests: A Vanishing Legacy" will be shown. Musical entertainment will follow.

An Oregon Rivers Session will be held Sunday morning, which will include representatives from the Northwest Rafters Association, Oregon Guides and Packers and ONRC staff. The conference will conclude Sunday at noon.

Lodging and meals will be available at the Breitenbush Community. For further information contact ONRC, 1161 Lincoln Street, Eugene, Oregon 97401 (503-344-0675).

OREGON PREMIER

The multi-image slideshow "Northwest Old Growth Forests: A Vanishing Legacy" will be shown Tuesday, Sept. 9th, 7 p.m., at the Northwest Service Center, 1819 NW Everett, Portland.

Sponsored by a consortium of conservation organizations throughout the Pacific Northwest, it utilizes the photography of professional photographers Diane Kelsay and Gary Braasch, and was produced by Diane Kelsay and Associates.

The show will also include an introduction by Chris Maser, a leading wildlife biologist for the BLM, and a wine and cheese reception. A donation of \$2 or more to offset the cost of the event is requested. For more information, contact Nancy Peterson, 236-9772.



PRESIDENT'S LETTER . . .

I'm home! We arrived back in Oregon at the end of July. However, since our German exchange partners need our house until the end of August, Glen and I will be in the San Juan Islands of Washington State until approximately August 24. But, by the time Bulletin subscribers read this, I will be home for good and ready to assume my presidential duties.

May I use a bit of my space here to mention a personal project? I am very pleased to report that one of my colleagues in the field of hawthorn (*Crataegus*) research, Timothy A. Dickinson, has landed an excellent position at the Royal Ontario Museum in Toronto, Canada and received a handsome Michaux Grant for hawthorn research. He and I will be collaborating on a paper on the ecology, biogeography, breeding biology and cytology of the *Crataegus douglasii* group.

As readers may know, I have published a paper on the biology of our local native hawthorn, *Crataegus douglasii suksdorfii* pointing out the existence of hybrids between *C.d.s.* and the European *Crataegus monogyna* in Oregon. Now Timothy and I wish to concentrate on the 2 varieties of *Crataegus douglasii*. As you may realize, *C.d.s.* has flowers with 20 stamens and is found mostly west of the Cascades, while the second variety, *Crataegus douglasii douglasii* with 10 stamens is said to occur primarily on the east side. My research showed *C.d.s.* to be a normal diploid exhibiting outcrossing sexual behavior, however, collections of this variety from locations other than the southern Willamette Valley need to be made to determine whether the variety is a sexually reproducing diploid in other parts of its range.

*C.d.d.* is poorly known. Timothy and I hypothesize that this east side variety is a tetraploid, and this must be checked cytologically. Whether it reproduces sexually or by apomixis is not known and must be investigated. Also I am interested in finding areas (if any) where *C.d.s.* and *C.d.d.* grow together (sympatrically) to see if crossing and intermediates between the 2 varieties occur in nature.

NPSO members can help with this research by letting me know of relatively undisturbed sites in Oregon and Washington

where I can collect *C.d.s.* and *C.d.d.* next spring. I am particularly interested in collections from the Columbia Gorge area, and especially eager to locate areas where the 2 varieties may grow together. Collecting will take place when plants are in bud next spring and later in the fall when the fruits are mature, but I would like to know of areas now in order to plan my collecting trips in advance. Thanks for any information and/or maps any of you can send. Timothy and I hope to have enough preliminary data for a poster at the Botanic Congress in Berlin in July, 1987.

Meanwhile I will be teaching at Lane Community College this year (the 3-term Sophomore level survey), continuing to work part time as Administrative Assistant at the Mt. Pisgah Arboretum and taking my place on the Natural Heritage Advisory Council to which the Governor appointed me last spring, so this will be a busy year for me.

I plan to attend the California Native Plant Society Conference on Rare and Endangered Plants this coming November 5-8 (see information elsewhere in this Bulletin issue), and I would very much like to share a ride with others who may be driving to Sacramento.

Our fall Board meeting will take place Saturday, October 11 in Bend. Folks there will locate a meeting place and all Board members, Chapter Presidents, committee chairpersons and interested members are urged to attend. Please write to me with your suggestions, concerns, and agenda items. You will hear from me early this month (September) with more information about the meeting.

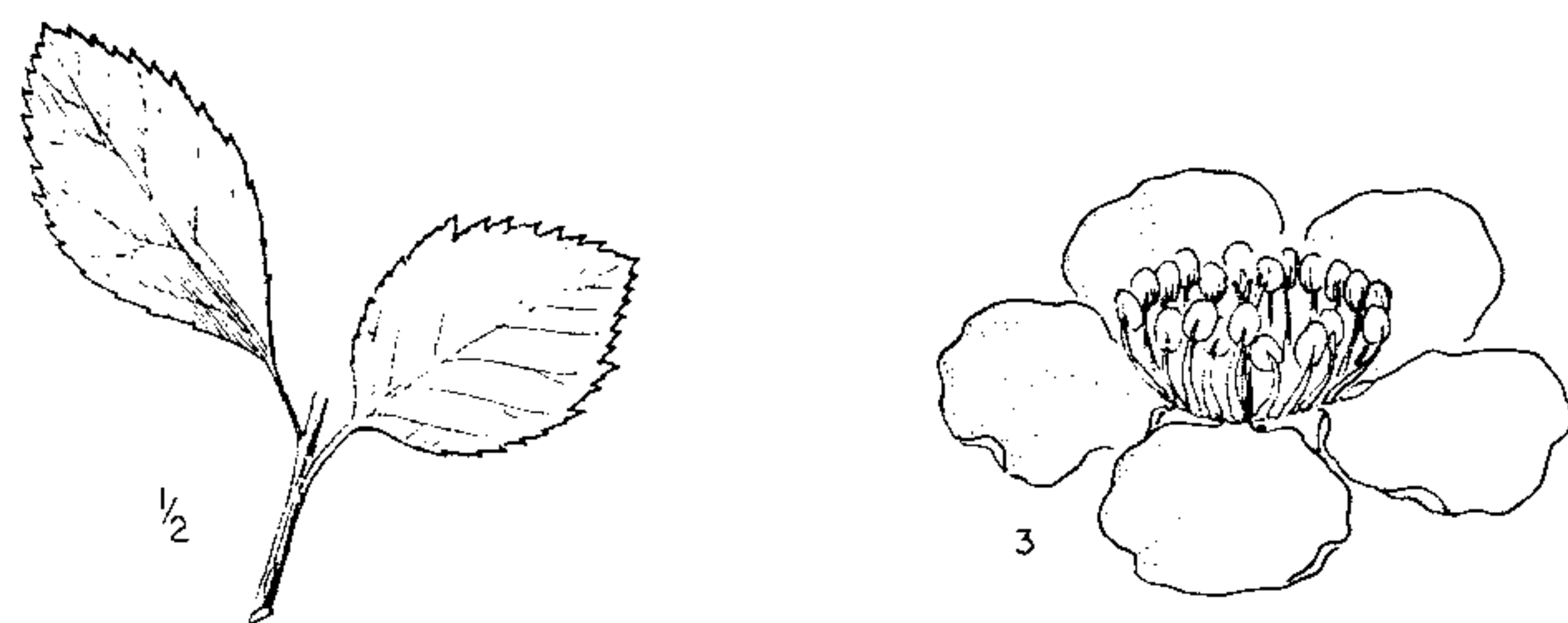
Germany was great but Oregon is SUPER and it's good to be home. See you this fall.

Best,

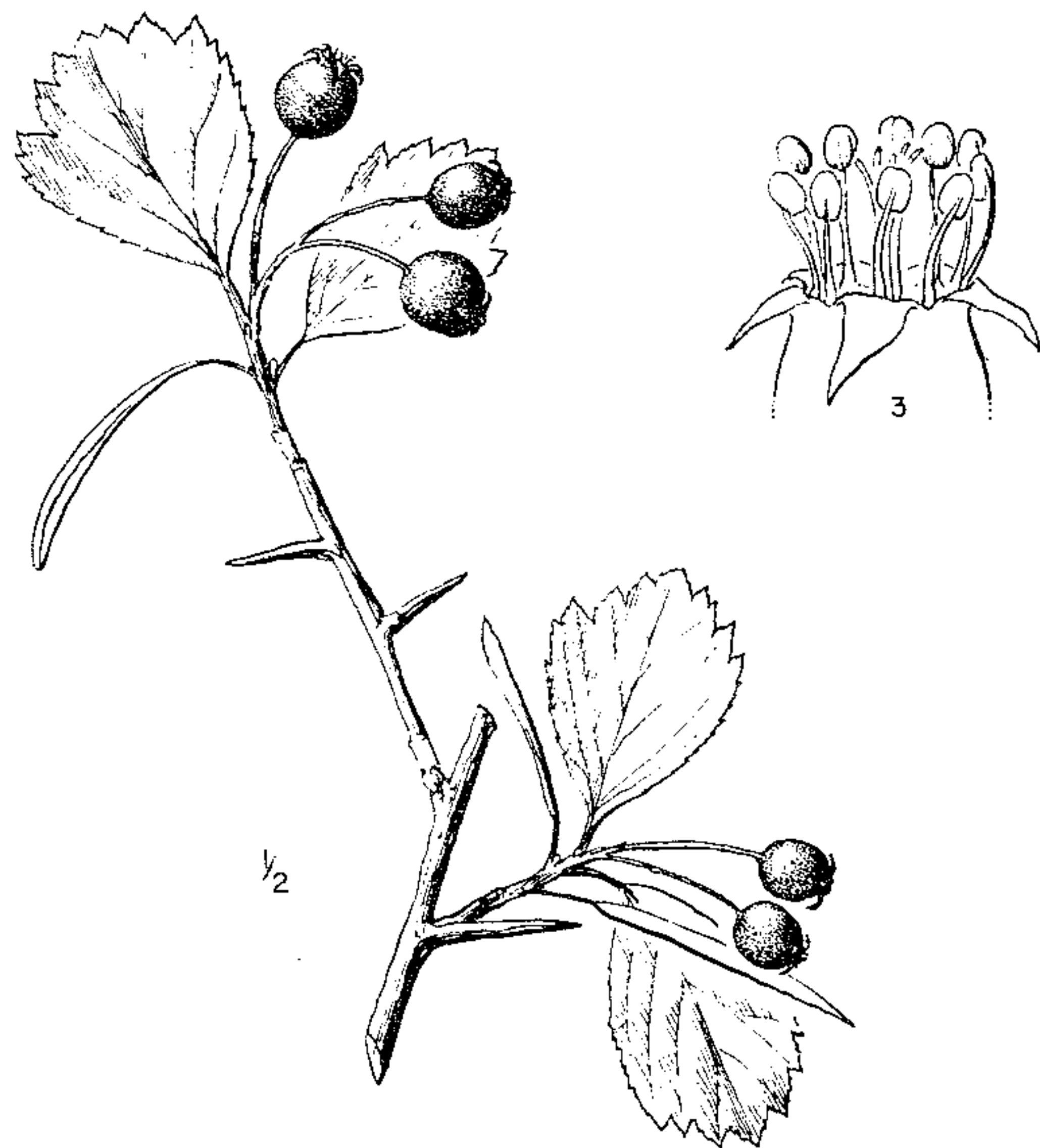
Rhoda Love, President

Note: If you are interested in reading about recent *Crataegus* research, see: Dickinson, T. A. & J. B. Phipps, "Studies in *Crataegus* (Rosaceae: Maloideae XIV...)" in the *American Journal of Botany*, Vol. 73, No. 1, January, 1986, pp. 116-130. The Literature Cited will lead you to additional recent papers including mine. R.L.





var. suksdorfii



var douglasii

*Crataegus douglasii*

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

#### LEGISLATIVE NOTES

**FEDERAL NEWS:** The U.S. Senate remains stalled on the reauthorization of the Endangered Species Act (ESA S.725). In spite of oppositions to the bill the conservationists in Washington still believe it is worthwhile to try for passage of S.725.

A positive note on the ESA appropriations is that the House Subcommittee on Interior Appropriations marked up the endangered species appropriations on July 16. The House Subcommittee accepted a request from the Nature Conservancy and the Natural Resources Defense Council and instructed the Forest Service and BLM to HIRE ADDITIONAL BOTANISTS to develop and

implement programs to conserve endangered plants!

**STATE NEWS:** The Washington Endangered Species Bills proposed to protect Washington's threatened and endangered plant and animal species failed to pass out of the House Rules Committee, after having been approved by the Environmental Affairs Committee. The bills have died this year, victims of intense lobbying pressures from the timber and grazing interests in the state. Yet, the Conservation Committee of the Washington Native Plant Society has not lost hope. They plan to continue their work and have a package ready for the 1987 legislative session.

California voters recently passed a bond bill that would finance acquisition of land for protection of endangered species habitat. The Nature Conservancy helped with this bill and has an agreement to match funds for the program. This bill is exciting because the funds generated by this bill are separate from the funds that are used to run the endangered species program for the state. This is a good idea, to have a separate fund for financing acquisition of habitat for endangered species.

My work on our bill has resumed with good news. On August 5, Julie Kierstead and I meet with Ed Christie (Division of State Lands) and Richard Craiger (Natural Heritage Advisory Council). We discussed the need for a state endangered species bill and how we could fit into the existing framework of the DSL. We had a very positive meeting. I am working on a draft bill now. My hope is to get a rough draft to the legislative council in the next few months.

Next Legislative Committee Meeting will be on Saturday, September 27, 1:30 at my home: 3290 SW Willamette, Corvallis. (754-0893) This will be a work session to review the bill and plan our strategy for the next few months. If you can not come and are still interested, I can send you a copy of the draft for comments.

Esther Gruber McEvoy  
State Legislative Chair



PRESIDENT'S LETTER . . .

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Full article text available in October 1986 Bulletin, pp. 106-107

states that there will later follow an account of Hall's mosses, ferns and fungi.

The Chicago Museum of Natural History - the Field Museum - possesses his plant collections. A rapid scan of Hitchcock and Cronquist indicates there are yet several species "hallii" in our flora. They are in genera Agrostis, Carex, Cirsium, Haplopappus, Juncus, and Viola.

Joseph Howell, 1830-1912, was more of a down-home Multnomah County farmer than his younger brother, Thomas (1842-1912). Because of his long-term, persistent field collecting on the Cascade peaks and in our south-western counties, Thomas is justifiably recognized as a major collector. These brothers often collected together in the Portland area out to Hood River and likewise across the Columbia in Washington. Thomas ranged more widely, for greater periods of time and during every collecting season. Both, with the help of an older brother, kept their parents' original land claim farm on Sauvies Island in production, although as old photographs show, not always above Willamette flood waters.

Joseph's collections in northwestern Oregon and sporadically in the southwestern counties account for ten species discovered by him. These were named by Thomas Howell and the eastern professional botanists, Watson, Engelman, Piper, Greene, J.M. Coulter, with whom the brothers corresponded. Some of those that Joseph first collected still bear the specific name, howellii, although the genus name of the original description has been altered. Hookera howellii is now Brodiaea howellii and his Claytonia is now Montia howellii. He collected a new milk vetch near Hood River which is still Astragalus hoodianus Howell.

Persistent library search in the manuscripts of Sweetser, Gorman and Henderson at the University of Oregon Library shows that in the above cases Joseph, not Thomas, was the first collector. It was no doubt a brotherly team, for Thomas, the one who was more aggressive toward the eastern botanists, carried on the correspondence with those most literate Latin and English describers. Because of the efforts of their devoted friends and field associates, L.F. Henderson and Martin Gorman, the collections and correspondence of both Howells are in safe keeping at the University of Oregon.

(Dr. Thatcher is an Emeritus Professor at the University of Oregon in Eugene.)

\*Thatcher, E.P. "Indigenous Botanists of the Northwest" NPSO Bulletin XVI (6):8-11, June 1983.

#### WESTERN CASCADES WILDFLOWER BOOK IN PROGRESS

Two Linn-Benton Community College biology faculty members are in the final stages of a popular wildflower book on the Western Cascades. Although they have done most of their field work on Iron Mountain and its vicinity, the book will apply to the wider region.

The book, to be published by Timber Press of Beaverton, will have approximately 300 species descriptions, illustrated by 175-200 color photos and line drawings. Bob Ross, a professional photographer, has been taking pictures in the Cascades for over 20 years. He is writing the habitat descriptions. Henny Chambers is writing the species descriptions to aid the enthusiasts and those trying to learn the flowering plants. The descriptions include habitats where the species occur, their sizes, and special vegetative and floral characteristics.

There are more than 300 non-graminoid species in the Western Cascades and the selection of what to include has been a team effort. We have worked closely with Jim Hickman's 1968 Ph.D. Thesis (U. of Oregon), "Disjunction and Endemism in the Flora of the Central Western Cascades of Oregon," and his subsequent paper, "Non-Forest Vegetation of the Central Western Cascades Mountains of Oregon" [Northwest Science 50: 145-155 (1976)]. We have also consulted several recent Forest Service Publications: Dyrness, Franklin & Moir "A Preliminary Classification of Forest Communities in the Central Portion of the Western Cascades in Oregon" (1974) and Hemstrom, et al. "Plant Association and Management Guide for the Pacific Silver Fir Zone, Mt. Hood and Willamette National Forests" (1982).

We expect the book to be available in bookstores in the Spring of 1988.

Robert A. Ross  
Henrietta L. Chambers  
Corvallis Chapter

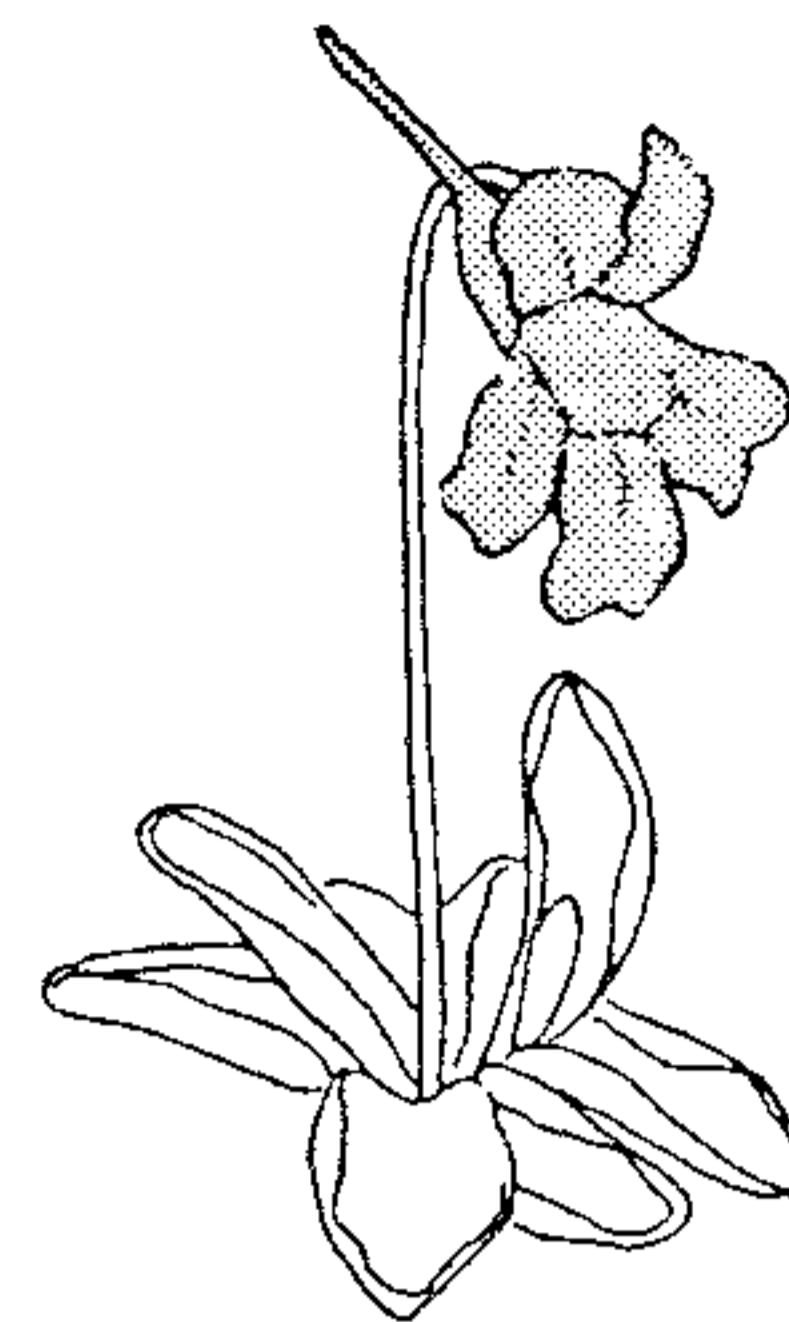
BOOK REVIEW

Flowering Plants: The Santa Monica Mountains, Coastal & Chapparel Regions of Southern California

by Nancy Dale in cooperation with the California Native Plant Society; Capra Press, Santa Barbara, CA. 1986; 239 pp., \$15.95, softcover.

Even though the title names a rather specific area of California; many of the plants described in this book are found elsewhere, including Oregon. The book uses nontechnical terminology to describe the plants and goes on to give additional information on where the plant names came from, their locations and blooming times. The arrangement of plants is by family. Most entries are accompanied by excellent color photographs taken by members of the California Native Plant Society; the remaining entries have black and white drawings for illustration. Some of the taxonomic classifications are different than those used by Hitchcock, et.al., i.e. Allium and Brodiaea being placed in the family Amaryllidaceae. There are notes in the text pertaining to these differences.

Jan Anderson, Portland Chapter



Pinquicula vulgaris  
by  
Julie Kierstead

STATE COMMITTEE CHAIRS

NPSO Wildflower Poster . . . . . Alan Curtis  
2370 Douglas Drive, Eugene, OR, 97405; 345-2571

Notecards . . . . . George Lewis  
8230 SW Cashmur Lane, Portland, OR, 97225; 292-0415

T-Shirts . . . . . Evelyn Everett  
4135 Alder St., Eugene, OR, 97405; 345-1746

REMINDER: RARE AND ENDANGERED PLANTS  
A California Conference on their Conservation and Management  
November 5 - November 8, 1986

Capitol Plaza Holiday Inn, 300 J Street, Sacramento, California

Use the form below to register for the Conference. Early registration is encouraged because space will be limited. In order to qualify for reduced registration fees, your application must be postmarked by October 1, 1986. Those who only participate on Nov. 8th, can pay reduced fees at the door.

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PRE-REGISTRATION FORM: 

Must be postmarked by October 1, 1986 for reduced fees.

RETURN TO: Jim Nelson, Conference Coordinator  
California Native Plant Society  
909 12th Street, Suite 116  
Sacramento, California 95814 U.S.A.

Name -----

Organization -----

Address -----

City/State -----

Zip Code ----- Phone -----

Country -----

Check here if you do not want your name included on list of participants.

Please Check Appropriate Box

Regular registration \$ 60.00

Pre-registration (before 10/1/86) \$ 45.00

Full-time Students and Retired \$ 35.00

Cannot attend meeting but wish to be notified when proceedings are released.

NOTE: Saturday, November 8th, only will be at a reduced rate. Register at the door.

MAKE CHECKS PAYABLE TO: CNPS Rare Plant Conference

Amount enclosed \$ -----



STATE OFFICERS

President . . . . . Rhoda Love  
 393 Ful Vue Drive, Eugene, OR, 97405; 345-6241  
 Vice President . . . . . Tammy Maurer  
 139 NW 35th Ave, Corvallis, OR 97330; 752-6170  
 Secretary . . . . . Florence Ebeling  
 7725 SW 82nd Ave., Portland, OR, 97223; 244-4122  
 Treasurer . . . . . Marjorie Ettinger  
 63820 Quail Haven, Bend, OR, 97701; 382-2255  
 Directors . . . . Don Eastman, Julie Kierstead, Dan Luoma  
 Carolyn Wright, Don Barr, Barbara Fox  
 R/E Chair . . . . . Jean Siddall  
 535 Atwater Rd., Lake Oswego, OR, 97034; 636-4633  
 Conservation Chair . . . . . Julie Kierstead  
 11505 SW Summerville, Portland, OR, 97219; 636-4112  
 Legislative Chair . . . . . Esther McEvoy  
 3290 SW Willamette, Corvallis, OR, 97333; 754-0893  
 BLM Desert Wilderness Coordinator . . . . . Barbara Fox  
 11455 SE 35th, Milwaukie, OR, 97222; 659-2445

CHAPTER PRESIDENTS

Blue Mountain (NE Oregon) . . . . . Bruce Barnes  
 731 NW 5th, Pendleton, OR, 97801; 276-5547  
 Corvallis . . . . . Angie Evenden  
 PO Box 1838, Corvallis, OR, 97339; 757-2806  
 Emerald (Eugene area) . . . . . Gail Baker  
 2424 Harris St., Eugene, OR, 97405;  
 High Desert (Bend area) . . . . . Stuart Garrett  
 361 NE Franklin, Bend, OR, 97701; 382-2681  
 Mid-Columbia . . . . . Keith Chamberlain  
 Box 151, Mosier, OR, 97040; 478-3314  
 North Coast . . . . . Richard Smith  
 1605 Third St., Tillamook, OR 97141; 842-4324  
 Portland . . . . . Herb Armentrout  
 20060 SE Hwy 224, Clackamas, OR, 97015; 658-2751  
 Siskiyou (SW Oregon) . . . . . Ron Nitsos  
 Biology Dept SOSC, Ashland, OR, 97520; 482-6341  
 Willamette Valley (Salem area) . . . . . Susan Kephart  
 Biology/Willamette Univ, Salem, OR, 97301; 370-6481/371-7161  
 Wm. Cusick (LaGrande area) . . . . . Andrew Kratz  
 1207 Y Ave., La Grande, OR, 97850; 963-9358

Membership Chair

1920 Engel Ave. NW, Salem, OR, 97304; 585-9419  
 Membership in the Native Plant Society of Oregon is open  
 to all. Membership applications & changes of address  
 (including old address & zip code) should be sent to the  
 membership chair.

BULLETIN

Editor . . . . . Jan Anderson  
 1960 Lovejoy #2, Portland, OR, 97209; 248-9242

The NPSO Bulletin is published monthly. Copy is due by  
 the 10th of the month & should be sent to the editor.  
 News, articles, photos, drawings, & non-copyrighted  
 materials are welcomed.

GUIDELINES FOR CONTRIBUTORS

The Bulletin is not typeset; therefore typed,  
 camera-ready copy is much appreciated. But  
 no submission will be rejected because it is  
 not typed. Please proofread & check facts.

DEADLINE: 10th of each month

FORMAT: Copy should be typed in 4 1/4 inch wide  
 columns, of any length. Author's name & chap-  
 ter affiliation (or other organization) are  
 typed at the end of the article. There is no  
 standard paragraph treatment; one of these  
 is suggested:

\* for long articles, double space between  
 paragraphs, but do not indent the first  
 word of the paragraph

\* for short articles or short paragraphs,  
 when double spacing looks odd, indent  
 the first word of the paragraph instead

Type your own headline, centered, all caps.  
 In case of special formats, e.g. plant keys,  
 you are free to choose the layout.

CREDITS: For each submission, provide

\* title

\* author--specify whether byline is desired  
 for news items

\* instructions as to whether item is to be  
 used in entirety or excerpted at editor's  
 discretion

\* source & date if item is not original

ILLUSTRATIONS: black & white prints, ink  
 drawings, woodcuts, halftones, et al. We  
 welcome small doodles as well as larger  
 efforts. Please give source & date, if not  
 original.

SCIENTIFIC NAMES should follow Hitchcock &  
 Cronquist's Flora of the Pacific Northwest  
 where possible. Use of both scientific &  
 common names is encouraged. Genus & species  
 names are underlined or italicized.

RETURN OF ORIGINALS: Manuscripts & illustra-  
 tions will not be returned unless it is  
 requested.

The Bulletin is published as a service to  
 NPSO members & the public. Your suggestions  
 & comments are always welcome.

# # #

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\* DUES include monthly news bulletin. Full membership runs from January through December. Quarter member-  
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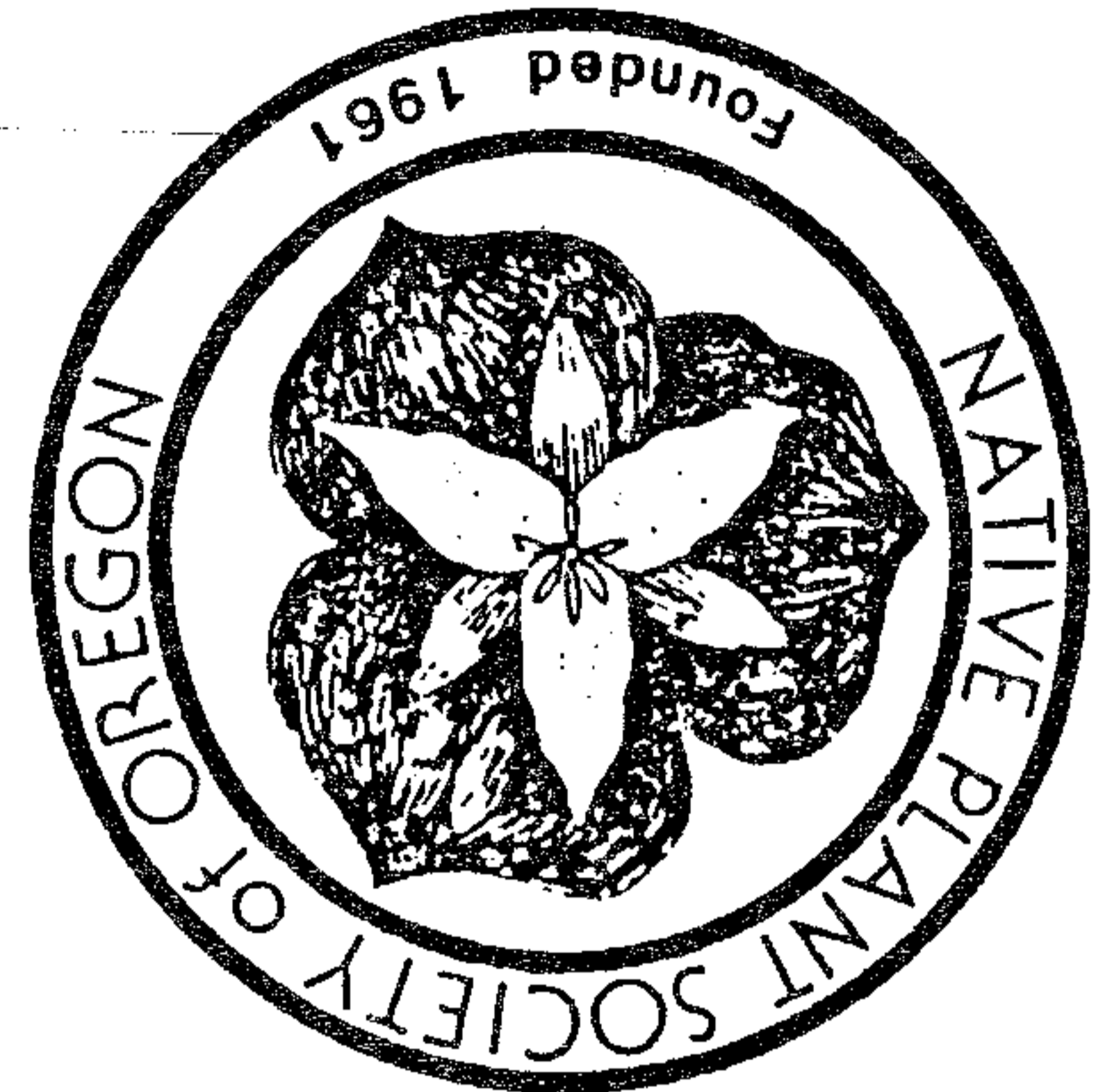
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