

The BULLETIN of the
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.

VOLUME XVI No. 6

JUNE 1983

FLASH! CONSERVATION ALERT!

SALEM DISTRICT BLM DOCUMENTS RELEASED

The Bureau of Land Management, Salem District, has released two documents which all concerned NPSO members should order at once and study carefully.

I urge all members to write at once to:

Joe Dose
Salem BLM
1717 Fabry Rd, SE; PO Box 3227
Salem, OR 97302

and request:

(1) The Westside Salem Proposed Decision Document which covers the proposed decisions involved in the 10-year timber management plan on the western portion of the Salem District. This covers BLM timber operations in Benton, Columbia, Lincoln, Polk, Tillamook, Washington, Yamhill, Clatsop, Multnomah, and Lane Counties.

and (2) The Final Eastside Salem Environmental Impact Statement. This establishes the BLM timber management plan for Clackamas, Linn, Marion, and Multnomah Counties.

Please study these documents carefully when they arrive. Our group is most interested in whether or not rare plants, plant habitats and sensitive plant communities are being considered by the BLM in its timber management plans.

If you are not satisfied with the BLM's plans for plant protection in these documents, please respond at once by expressing your concern to:

William G. Leavell
Oregon State Director BLM
PO Box 2965
Portland, Oregon 97208

with copies of your letter to Senators Mark O. Hatfield and Bob Packwood.

Thanks for your help.

RHODA LOVE
NPSO State President

LOST & FOUND NOTE: A large navy blue sweat shirt (hood & zipper) was found following Sunday's Board Meeting. Owner may claim from Rhoda Love.

NOTE: A video tape of the Portland TV program on Rare Plants of the Willamette Valley is available. This can be shown on closed circuit TV at meetings or for educational programs. Contact Rhoda Love if you wish to use this video tape.

WILDERNESS BILL NOW FACES SENATE

On March 21, 1983, Congress passed the Oregon Forest Wilderness Bill (HR 1149) by an overwhelming margin. Two days later, Assistant Secretary of Agriculture John Crowell -- who wants immediate release of all RARE II areas for exploitation purposes -- granted a ninety day interim protection for the areas identified in the bill.

However, the struggle is not over yet. It is Senator Hatfield's turn to bring up the bill and have it passed in the Senate. According to Tom Fineson, who is Hatfield's key aide on the bill, work on the bill may start the first or second week in May.

It is now absolutely essential that Senator Hatfield hears from us frequently; the timber industry is and will be lobbying their cause constantly. If we don't write and/or call on a large scale "our bill" is likely to be cut down from its present size of 1.2 million acres. There are rumors that the Senator may be unwilling to look at the study section of HR 1149; this would eliminate magnificent areas like the Three Sisters Wilderness and additions around Waldo Lake. In your letters or phone calls, please express support for this area and ask that it be added to the bill as instant Wilderness. Also worth mentioning is our "backyard wilderness" Hardesty Mountain. We cannot afford to lose another piece of low elevation Old Growth, especially one that's so close to Eugene.

Many famous areas have not been considered in the House bill. Among them are Eagle Cap Additions, Old Cascade Additions, Grande Ronde Canyon, parts of North Fork John Day Wilderness, to mention a few. Please ask that they be included.

If you are concerned, please care and contact Senator Hatfield. Remember that Oregon's Forest Wilderness Potential is over 3 million acres in size. Only about 35% of that was included in the House bill. Further reductions cannot be accepted. We will need to lobby for more, since if we don't get it the timber industry will for sure.

Senator Mark Hatfield
Senate Office Building
Washington, D.C. 20510
(202) 224-3755

High Desert Chapter to host the
1984 Annual Meeting!

NPSO ANNUAL MEETING
HELD IN EUGENE MAY 14-15

The NPSO State Annual Meeting, hosted this year by the Emerald Chapter, was held at the University of Oregon in Eugene on Saturday and Sunday, May 14 and 15.

Despite rainy weather, the meeting was judged a big success by the 60 to 80 NPSOers from throughout Oregon (one from Washington State) who attended. Appreciation from all those who attended must go to Charlene Simpson and her committee of Emerald Chapter members who planned and lead the field trips, provided for lodging and meals, and coordinated decorations, centerpieces, T-shirts and literature.

Saturday Field Trips. The four Saturday field trips all took place despite the rain. Herm Fitz lead a group up Mt. Baldy; Alan Curtis took members to the Coast; Jimmy Kagan showed a party the new Willow Creek Natural Area; and Rhoda Love and several others climbed Spencer's Butte. Details of these trips will appear in July's Bulletin. (Leaders of these trips, please send written highlights to Julie Kierstead, editor, by June 15. Thanks, R.L.)

T-Shirts. Our newly-designed NPSO T-shirts flew in by plan from California just hours before members began arriving for the meeting! The shirts, with the NPSO logo printed in green (and redesigned by Nadine Smith, NPSO State Treasurer) are available in white or buff and in 4 sizes. The price is \$6.75 per shirt (no extra charge for extra large size!). Shirts will be for sale at local chapter meetings or you may order yours directly by sending your preference of color (white or buff) and size (S, M, L, X-L) to Leighton Ho, President, Emerald Chapter. Please enclose \$6.75 per shirt plus \$1.00 for postage.

Notecards. Charlene Holzwarth, NPSO Notecard Chairperson, brought an ample supply of cards, and sales at the meeting were brisk. We have sold nearly half of the 1,000 packs of cards printed in December. Charlene reminded us to inform prospective card purchasers that Oregon as yet has no law to protect rare plants. Notecard sales can help by financing research and legislative efforts. Cards cost \$2.50 per packet of 8 different designs at Chapter meetings, and \$3.00 if ordered by mail. Send orders to: Charlene Holzwarth, 2524 NE 34th, Portland, OR 97212.

Saturday Night's Supper Meeting and Program. After a splendid buffet supper (barbecued chicken and stuffed peppers!) attended by approximately 65 members, the group assembled in an adjacent meeting room for the Annual Meeting. Rhoda Love, State President, introduced the new officers: Wilbur Bluhm, Vice-President and Linda Johnson, Secretary, and the new Board Members: Virginia Crosby, Alan Curtis, and Shep Wilson. Nadine Smith, Treasurer, announced that when 4 more packs of notecards have been sold, we will have recouped our printing costs and all additional card revenues will go for rare plant research and protection.

Mary Falconer, Chair of the Jean Davis Memorial Scholarship Committee announced that Bob Meinke of OSU is the recipient of the \$1000 Davis Scholarship for 1983-84.

Linda Vorobik, retiring Bulletin Editor, announced that the new State Membership Rosters, designed and typed by Linda, have been printed and are available now. Rosters not picked up at the Annual Meeting will be mailed to members. Rhoda Love, President, presented Linda with a gift edition of The Travels of Karl Linnaeus in appreciation for Linda's 2 years as Bulletin Editor.

After brief Chapter reports, the audience of approximately 80 NPSOers and guests were treated to a musical and visual extravaganza by long-time NPSO member Dr. Herm Fitz who spoke on the Flora of the McKenzie Drainage.

Sunday's Board Meeting. At 9:00 a.m., officers, Chapter Presidents and Board Members assembled for a brief business meeting. A draft copy of the new R & E Status Report (update of Rare, Threatened and Endangered Vascular Plants in Oregon, by Siddall, Chambers and Wagner, 1979), has just been prepared by Jean Siddall and Jimmy Kagan of TNC. A draft copy has been handed to Rhoda Love, and when final revisions are complete, this will be made available to members.

Nadine Smith, State Treasurer, reported that NPSO operations have become more expensive in the past year. After some discussion, the Board gave approval for the State President to be reimbursed at the rate of approximately \$20 per month for expenses of the office. A detailed budget will be prepared by the September meeting of the Board.

A brisk discussion was held on the subject of collecting plants on NPSO field trips. The Board resolved to reemphasize our guidelines and make our ethical code available to all members and field trip leaders. (Normally these are printed just once a year in the July edition of the Bulletin.) A brief summary of our code, which discourages collecting on NPSO trips, will be printed in each edition of the Bulletin from now on.

Board members voted that Chapters will distribute to each new member who joins at a Chapter meeting: (1) a copy of the latest Bulletin, (2) a copy of the NPSO Book List, and (3) a copy of the State Membership Roster. Members who join by mail will receive these by mail from the Membership Chairman.

Finally, it was decided that the September meeting of the Board will take place at Siskiyou Chapter. Specific place and date will be announced later.

The meeting was adjourned so that members might attend the Mt. Pisgah Arboretum Wildflower Show. Thank you everyone for attending, and thank you again to Emerald Chapter for providing an excellent Annual Meeting.

Rhoda Love, President

ANNUAL MEETING CHAIR THANKS COMMITTEE

My very special thank you to all Emerald Chapter members who helped to make our annual meeting a success. The meeting was attended by approximately 75 persons representing our eight chapters from around the state. Special mention is given to planning committee members: Alan Curtis, registration form and field trip leader; Tammy Maurer, name tags; Phil Ingallinero and Nadine Smith, T-Shirts; Dot Leland, Mike Kaminski and Rhoda Love, field trips; and Juanita Manley, Treasurer, who received registrations and money and who kept the records straight.

I also want to thank others who gave of their time: Leighton Ho and Linda Vorobik, registration packets and publicity; Daphne Stone, flower arrangements; Nan Kennedy and Coburn Lenfest, registration; Bob Meinke and Jimmy Kagan, field trip leaders. I am especially indebted to Herm Fitz who took on the double responsibility of field trip leader and program speaker. Please accept my "Thanks" one and all.

Charlene Simpson
Annual Meeting Arrangements, Chair

WALK AROUND WALDO LAKE
Sunday, Sept. 4, 1983

Obsidians, Inc., Eugene's hiking, climbing and conservation club, is sponsoring a one-day Benefit Hike around Waldo Lake in affiliation with the Oregon Natural Resources Council.

The Hike will be held on Labor Day weekend, Sunday, September 4, 1983, on the 20-mile Waldo Lake Trail (#3590).

The purpose of the hike is to provide an opportunity for outdoor recreationists from around Oregon to gather together for the enjoyment of a tremendous outdoor experience in the company of others with similar interests. In addition, each participant will be asked to obtain pledges of support for each mile hiked from those who do not wish to participate but would like to support conservation activities of the sponsoring bodies.

The proceeds from this Benefit Hike will go to the Oregon Natural Resources Council in their efforts to secure the Waldo Lake area and other outstanding primitive areas in Oregon as Wilderness.

As you consider your summer schedule, please plan on participating in what will be a very enjoyable outing and a highly worthwhile project.

For more information and registration materials contact Obsidians, Inc., Walk Around Waldo, PO Box 322, Eugene, Oregon 97440, or call (503) 343-6462.

NATIVE PLANT GARDENING:
DOING IT THE ETHICAL WAY

The March issue of the NPSO bulletin contained an article on how the plant trade put pressure on endangered and threatened species all over the world. At the end of the article there was a list of "things you can do" and the first two items were:

1. refrain from collecting plants in the wild.
2. buy only from dealers who sell propagated plants (These are also part of our NPSO guidelines.)

I am a gardening fanatic, so the guidelines had a great impact on me. Instead of bringing to mind rare Peruvian orchids and Arizona cacti, the guidelines made me think of the wild iris, Sisymbrium, coastal aster, and wax myrtle I carefully transferred from wild quarters to my own gardens. For people like me, and probably many of you, pansies and petunias just won't do. Not only are natives attractive, but they are well suited to our climate and thus require less watering and special care than imported species. Given this yearning for native plants, I think our organization should respond in a positive way to the guidelines.

Given the above restrictions, what can we do? My response is that we need to make information on growing wild plants available so that we can obtain native plants in legitimate ways. If more people realized the value and subtle beauty of natives as landscaping and gardening plants, I think a greater awareness of the importance of preserving natural habitats would arise at the same time.

There are three large areas we need to cover:

1. What wild plants are currently in demand as popular garden and landscaping material?
2. What wild plants should be in demand, because of their abundance in the wild, beauty and suitability as cultivated plants?
3. Where can we buy propagated plants or seeds of these species, and how are they best propagated?

There are some answers to the third question in A.R. Kruckeberg's book, Gardening with Native Plants (reviewed in an earlier NPSO newsletter), but I think our organization should go much farther. I would like, for instance, to see us selling Oregon native plant seed, collected from legitimate sources, with explicit directions on how to grow them in Oregon. We could establish contact with the Forest Service and other agencies so that people could be directed to development sites and could salvage plants doomed to extirpation. We should make a list of nurseries which propagate their own native materials for sale, instead of ones which collect plants from illegitimate sources.

I have given much thought to this project, and I am willing to put a lot of energy toward developing it now. I think it would have a positive effect toward all our organization's goals. If you are interested, please contact me in the next month so we can get together and creatively move forward.

Daphne Stone, Emerald Chapter
1934 Cleveland
Eugene, OR 97405
344-3274

THE MCKENZIE RIVER VALLEY: A Floral Ecotone punctuated with a relict archipelago of xeric islands in a sea of mesic coniferous forest.

by Herm Fitz

Presented to the Annual Meeting of the Native Plant Society of Oregon. University of Oregon Eugene - May 14, 1983

The McKenzie River Valley, west of the Cascades, is largely an unbroken coniferous forest with three broad zones: the western hemlock, Silver fir, and mountain hemlock. Within this forest, comprising about 5% of the land area, are a number of habitats ranging from very wet to extremely dry seasonally, which allow plants of unusual adaptations to exist here. Some of these plants are more typical of adjacent regions to the north, south, east and west, and many are disjunct by many miles from their main populations. Mountain peaks and open ridges form what are literally islands for this xeric flora, which is considered to be remnant from formerly widespread and now retreating floras. An ecotonal effect occurs as elements from all directions merge in this valley, and approximately 85% of the 1250 species of this valley are found only within the habitats that comprise so little of the land area.

Plants typical of more southerly and easterly floras

Pinus ponderosa
Arabis platysperma
Linum perenne lewisii
Navarretia divaricata
Monardella odoratissima
Penstemon deustus
Mimulus breweri
Chrysothamnus nauseosus
Nothocalais alpestris

Plants typical of more southerly flora

Aspidotis densa
Pinus lambertiana
Allium crenulatum
Arenaria pumicola
Silene campanulata glandulosa
Ribes binominatum
Trifolium productum
Trifolium howellii
Viola sheltonii
Arbutus menziesii
Aralia californica
Mimulus pulsiferae
Arnica viscosa
Erigeron foliosus confinis
Crepis occidentalis
Gentiana newberryi

Plants typical of a more easterly flora

Populus tremuloides
Betula glandulosa
Lewisia triphylla
Arabis holboellii retrofracta
Gilia aggregata
Collomia linearis
Penstemon cinicola
Gentiana calycosa
Pterospora andromedea
Artemisia ludoviciana latiloba
Artemisia tridentata
Arnica parryi
Microseris nutans

Plants typical of a more northerly flora

Polystichum andersonii
Chamaecyparis nootkatensis
Arenaria capillaris americana
Sedum divergens
Hydrophyllum fendleri albifrons
Orogenia fusiformis
Rhododendron albiflorum
Menziesia ferruginea
Douglasia laevigata
Trientalis arctica
Mertensia bella
Castilleja rupicola
Haplopappus hallii
Luina stricta
Oplopanax horridum
Ophioglossum vulgatum
Lycopodium inundatum

Plants typical of a more coastal flora

Lotus formosissimus
Baccharis pilularis

Plants more typical of arctic-alpine floras

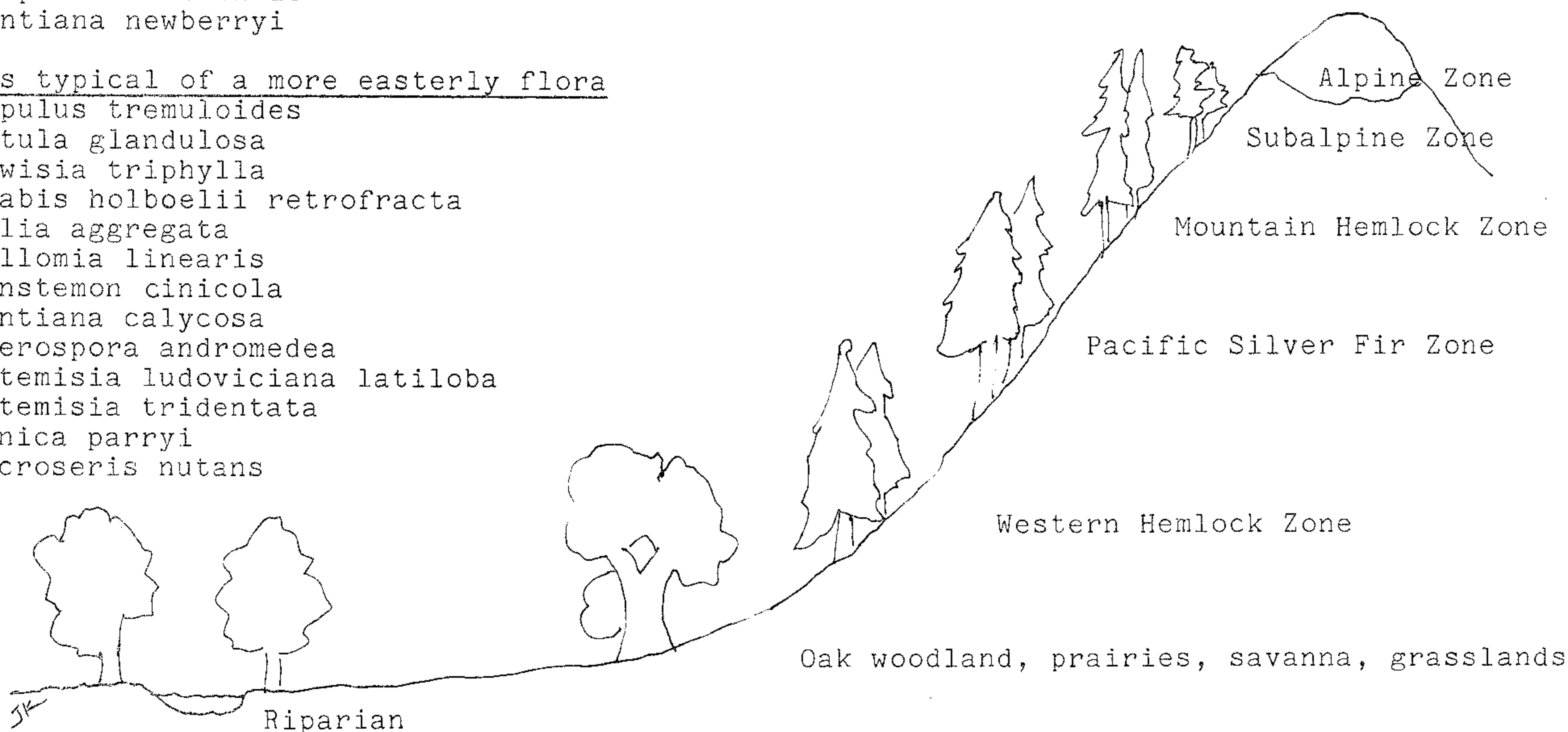
Polygonum newberryi
Spraguea unbellata
Arenaria rubella
Luetkea pectinata
Ivesia gordonii
Polemonium pulcherrimum
Erigeron compositus glabratus

Plants endemic to the region

Polygonum cascadenense
Aster gormanii
Erigeron cascadenis

Special Habitats

WETTER ↑
 Pond
 Ditch
 Bog
 Wet Meadow
 Bracken-Thimbleberry Meadow
 Grass-Coneflower Meadow
 Stony Meadow
 ↓
 DRYER
 Rock Garden
 Tuffaceous gravel
 Seeps and Snowbeds
 Talus Associations
 Cliff-face Associations



THE MCKENZIE RIVER VALLEY, continued

Some references pertaining to the McKenzie River Valley:

- Detling, LeRoy E. 1953. Relict islands of xeric flora west of the Cascade Mountains Oregon. Madrono 12: 39-47.
1968. Historical background of the flora of the Pacific Northwest. Bull. Mus. Nat. Hist., Univ. Oregon 13: 1-57.
- Fitz, Franklin. In preparation. An illustrated descriptive key to the vascular flora of the McKenzie River drainage, Cascade Range, Oregon.
- Franklin, Jerry F. and C.T. Dyrness. 1971. A checklist to the vascular plants on the H.J. Andrews Experimental Forest, western Oregon. PNW For. and Range Exp. Stn. Res. Note 138: 1-37.
1973. Natural vegetation of Oregon and Washington. PNW For. and Range Exp. Stn. Tech. Rep. 8: 1-147.
- Hickman, James C. 1968. Disjunction and endemism in the flora of the central western Cascades of Oregon: An historical and ecological approach to plant distributions. Ph.D. Thesis, University of Oregon, Eugene.
1976. Non-forest vegetation of the central western Cascade Mountains of Oregon. Northwest Science 50: 145-155.
- Hodge, Edwin T. 1925. Mount Multnomah: ancient ancestor of the Three Sisters. University of Oregon Press, Eugene. 160 pp.
- Hopson, R.E. 1946. The study of a valley: the McKenzie River region of Oregon with special reference to the educational significance of its natural history. Ph.D. Thesis, Cornell University, Ithaca, NY.
1961. The arctic alpine zone in the Three Sisters region. Mazama 53: 14-27.
- Ireland, Orlin. 1968. Plants of the Three Sisters region, Oregon Cascade Range. Bull. Mus. Nat. Hist. Univ. Oregon 12: 1-130.
- Mason, Georgia. 1983. Plants of wet to moist habitats in and around Eugene, Oregon. 206 pp.
- Van Vechten, G.W. 1960. The ecology of the timberline and alpine vegetation of the Three Sisters, Oregon. Ph.D. Thesis, Oregon State University, Corvallis, Oregon.

WELCOME TO NEW MEMBERS

<u>BLUE MOUNTAIN CHAPTER</u>	Gary L. Blackburn
Andrew & Ann Kratz	Stephen Brown
<u>CORVALLIS CHAPTER</u>	Prudence & Dr. Duane Denney
Mandy Cole	David E. Dobak
Dr. Dean Wm. Taylor	Janet Jarbrough
<u>EMERALD CHAPTER</u>	Nancy Krape
Diane & Louis English	Leach Garden Friends
Sylvia Guistina	Mrs. Wm S. McLennan
Philip Johnson	Louis & Genevieve Perry
Cathy O'Kelley	D. Dee Wilder
Nancy Ruleman	<u>SISKIYOU CHAPTER</u>
Jacob Weiner	Gini & Rod Badger
Virginia Willis	Lucielle Brownell
<u>HIGH DESERT CHAPTER</u>	Gordon & Margo Farnsworth
Caryn Talbot Throop	Linda M. Hardie-Scott
<u>MID-COLUMBIA CHAPTER</u>	Sue Naymik
John R. & Mary I Davis	Mrs. Mary Powell
Daniel Spatz	Linda Ryan
<u>PORTLAND CHAPTER</u>	<u>WILLAMETTE VALLEY CHAPTER</u>
Janet M. Anderson	John Calvin
Marge Beltrami	Doris Garrison
Alexandra Bergen	Doris Mary Hall

REMEMBER, COLLECTING ON NPSO FIELD TRIPS IS DISCOURAGED. Take home a picture, not a plant. Look for NPSO code of ethics in next month's Bulletin.

CHAPTER NEWS

CORVALLIS CHAPTER

Meeting:

June 3, Friday, potluck dinner and slide show at Esther McEvoy's house, 3290 SW Willamette, Corvallis. Bring a dish and about 10 slides from one of the NPSO field trips or from an interesting botanical area. This is our last meeting till fall.

Field Trips:

June 4, Saturday. Field trip to Mt. Hebo led by Paul Hammond. Leaves the Cordley parking lot at 9 a.m. Bring lunch and clothing appropriate for cool and wet weather. We will be back late afternoon.

June 12, Sunday. Field trip to Marys Peak led by Bob Frenkel. We will leave the Cordley parking lot (across from Wilkinson Hall on Orchard St.) at 9 a.m. Be prepared for cold or wet weather; bring a lunch. We will be back by mid afternoon.

June 25, Saturday. Field trip to Rattlesnake Butte (Wind Ridge) led by Susie Seyer. Meet at the Cordley parking lot at 9 a.m. We should be back by early afternoon. Bring a lunch.

July 10, Sunday. Field trip to Wren Prairie, led by Esther McEvoy.

July 23, 24 or July 30, 31. Field trip to Steens Mt., led by Carolyn Wright.

SISKIYOU CHAPTER

The 1983 officers list for the Siskiyou chapter is as follows:

Chapter President: Wayne Rolle
Vice President of Programs: Cynthia Roberts
Vice President of Field Trips: Susan Aldridge
Secretary-Treasurer: January Jennings

Meetings:

June 9. Plants on Serpentine Sites in SW Oregon and NW California. Dwaine Goforth, of the northern California N.P.S., will combine, in a slide program, the ecology of this unique plant community, the impacts of the Gasquet Mt. mining, and his research on the purple Arabis complex. 7:30 p.m., Room 171, Science Bldg., SOSOC.

July & August: no monthly meetings.

Field Trips:

June 4. Neil Creek. Close to Ashland. Easy hike and potluck lunch at the Joy's. Meet at Medford K-Mart 8:30 and Ashland Bi-Mart 9:00. Gill Plunkett, 482-8085.

June 18. Ranger Springs - cancelled.

June 24, (25). Pilot Rock to Soda Mt., Pacific Crest Trail. Meet at Medford K-Mart 8:00 and Ashland Bi-Mart 8:30. Car shuttle necessary, call in advance Wayne Rolle at 482-0093.

July 4. Wildflower Show. Lithia Park. Need help collecting, displaying and manning the display table. Volunteers call Cynthia Roberts at 482-0899.

July 9, (10). Alex Hole. Siskiyou subalpine cirque basin. Backpack or day trip. Meet at Medford K-Mart 8:00 and Ashland Bi-Mart 8:30. Andy Kier 482-9403.

July 16. Bear Camp Meadows, Elk Wallow. High elevation, coast range. Rare Bensoniella oregana and Frasera umpquaensis should be in bloom. Meet at Ashland Bi-Mart 8:00, Medford K-Mart 8:30 and Grants Pass Denny's at the north exit 9:15. Rick Pruz 482-4898.

WILLAMETTE VALLEY CHAPTER

Meetings: None until September!

New Officers for 1983-84:

President: Wilbur Bluhm (393-2934)
743 Linda Ave., N.E.
Salem, OR 97403
Vice Pres: Larry Scofield (787-3833)
740 Parry Rd
Falls City 97344
Secretary: Mrs. Martha Blau (363-1559)
296 14th N.E.
Salem, OR 97301
Treasurer: Mrs. Heike Eubanks (390-2257)
410 Evans N.
Salem, OR 97303

VIDEOTAPE SHOWN FOR EMERALD CHAPTER

The NPSO Willamette Valley Flora special program will be aired on TV in Eugene, in mid-June. Watch local papers for date and time.

EMERALD CHAPTER WORKSHOPS

Emerald chapter meetings are changing to a workshop format, and will be held Monday evenings every other week. For more information, contact Leighton Ho at 345-3252.

Meeting:

June 6. Flora of the Southern Appalachians by Dr. Frank Lang. Dr. Lang teaches systematic botany and scientific illustration at Southern Oregon State College.

Field Trips:

June 4. Eagles Rest in the proposed Hardsisty Wilderness area. This basaltic outcrop with sheer cliffs below is 17 miles above Lowell. It's an easy hike through forest to the top. Leave Lane Community College southside parking lot at 9:00 a.m. Leader, Linda Johnson, 747-4048.

June 25. Grassy Mt. (SE of Cottage Grove) with Alan Curtis. Or Alan may switch the trip to Snow Peak after he reconnoiters the snow pack. In any event, plan on an interesting trip which will depart from the South Eugene High School parking lot at 8:00 a.m. Call Alan at 345-2571 to get his last minute plan.

June 25. Iron Mt. on the South Santiam (an Obsidian trip). Meet at the South Eugene High School parking lot, 8:00 a.m. Led by Robin and Ken Lodewick, Emerald Chapter members, sign up is required. Registration board is located at the Family "Y" 2055 Patterson, or call the leaders, 344-6533.

July 2. Rainbow Falls in the Foley Ridge area with Ben Ross, leader. This moderate hike of about 5 miles will search for the Phantom Orchid. Leighton Ho will accompany as botanist. Leave South Eugene High School parking lot at 8:00 a.m. Ben's phone is 485-0857.

July 4. Bohemia and Fairview Mts. in the Calapooyas with the Lodewicks again as leaders. Pre-register at the Family "Y" 2055 Patterson, or call the Lodewicks at 344-6533. This is an Obsidian sponsored trip with NPSO invited. Use Dr. Wm. Baker's Plants of Fairview Peak as a checklist.

July 9. Wild Rock Pond (Blue River Reservoir Area) South Peak, Echo Peak and Cone Peak with Herm Fitz, Emerald Chapter member. This is a Natural History Society field trip with trip sign up required and preference given to NHS members. Call Dottie Conlon, 687-2318. Meet South Eugene High School parking lot at 9:00 a.m.

July 10. Horse Rock Ridge in the Coburg Hills with leader, Harold Dunn. This is the area where Penstemon rattanii was found last year (a most northerly extension of its range). Meet at Mohawk Elementary School parking lot on Sunderman Road for this Sunday afternoon hike. Depart at 1:30 p.m. Call Harold Dunn, 746-3063 for directions.

HIGH DESERT CHAPTER

No meetings this summer!

Field Trips:

Saturday, May 21, we will travel to the Nature Conservancy's Lawrence Grasslands Preserve near Shaniko. This area has not been grazed in over 60 years and offers some idea of what the native vegetation was like. There are at least 4 endangered species on the Preserve. Meet at McDonald's Parking lot at 8:30 a.m., Bring lunch. Will hike about 3 miles over moderate terrain. Call Stu Garrett at 382-2681 for details.

On June 18th we will travel to the Christmas Valley area to explore the Black Hills-Fossil Lake-Lost Forest area with BLM botanist Ginny Crosby. We will car-pool at 8:00 (please note earlier time) behind McDonald's in Bend. Bring lunch and be ready for moderate hiking. We will be returning to Bend late afternoon or early evening.

PORTLAND CHAPTER

NEW OFFICERS:

President: Jean Huffstutter
1st Vice President and Program Chairman:
Rick Brown
2nd Vice-President and Field Trip Chairman:
Louise Godfrey
Secretary: Rosemary Kenney
Treasurer: Rhoda Lewis

Meeting:

June 14, 7:00 p.m. in the First United Methodist Church. Jimmy Kagan, plant ecologist for The Nature Conservancy, will present a program highlighting the Conservancy's efforts to locate and preserve natural areas containing examples of Oregon's native flora.

Field Trips:

June 4. Tighe Creek Area. Rick Brown, leader. Meet 7:30 a.m. in the Dep't. of Motor Vehicles parking lot at NE 60th and Glisan. A loop trip within the proposed Badger Creek Wilderness is planned.

June 11. No trip scheduled.

June 18. Dog Mountain. Shep Wilson, leader. Car-pool 8:00 a.m. in the DMV lot as above, or meet at the north end of Bridge of the Gods at 9:15. This flowery section of the old Pacific Crest Trail is steep, climbing 2,400 feet in two and one-half miles. This field trip, open to all, is an expression of support for Friends of the Columbia Gorge.

June 25. Onion Peak. George Lewis, leader. Car-pool 7:30 a.m. in the OMSI parking lot, or meet at 9:45 at the south end of the Cannon Beach loop near where it rejoins highway 101.

July 2. Gearhart Mountain Wilderness. Jeanne and Wayne Huffstutter, leaders. Meet 12:00 noon at Corral Creek forest camp on the Fremont National Forest. The campground is designated #5 on the map of Gearhart Mountain Wilderness. The scene of this two-day Fourth of July weekend expedition is 40 miles NW of Lakeview, some 300 miles from Portland.

July 9. Gumjuwac Saddle. Louise Godfrey, leader. Carpool 8:00 a.m. in the DMV lot as above, or meet at Robin Hood forest camp on highway 35 at 9:45. The trail climbs 1670 feet in two and one-half miles.

A GOODBYE FROM YOUR OUTGOING EDITOR

As the pile of copy built up on my desk, I imagined a light-weight 8 page Bulletin for the month. How is it that I arrived at 12 pages? The length of this Bulletin is just an expression of my enjoyment of putting it together: always I want to put in a little more. With my concluding issue I indulged myself.

I could not retire without a few comments to Bulletin readers. First, let me tell you how wonderful you are! Our society is filled with enthusiasm and joy for the loveliness of plants and their environments. Members are curious and eager to learn, not only new plants and places (the fun part), but also the current threats to plants and habitats, and what can or should be done concerning these threats.

To some, however, conservation efforts may seem just another tedious political game: there are so many beautiful places in our state, why all the protection fuss? Oregon is rich in natural habitats, NOW. But with the rate of population growth, the demand for exploitation of some of our favorite spots is inevitable. We cannot protect everything, everyone uses wood products and mineral products. A choice of lands to be "developed" must be made. The only way that these choices can be made in an intelligent manner, is to have all the information about all the values of the land.

The job of the NPSO and other conservation organizations, is at least to

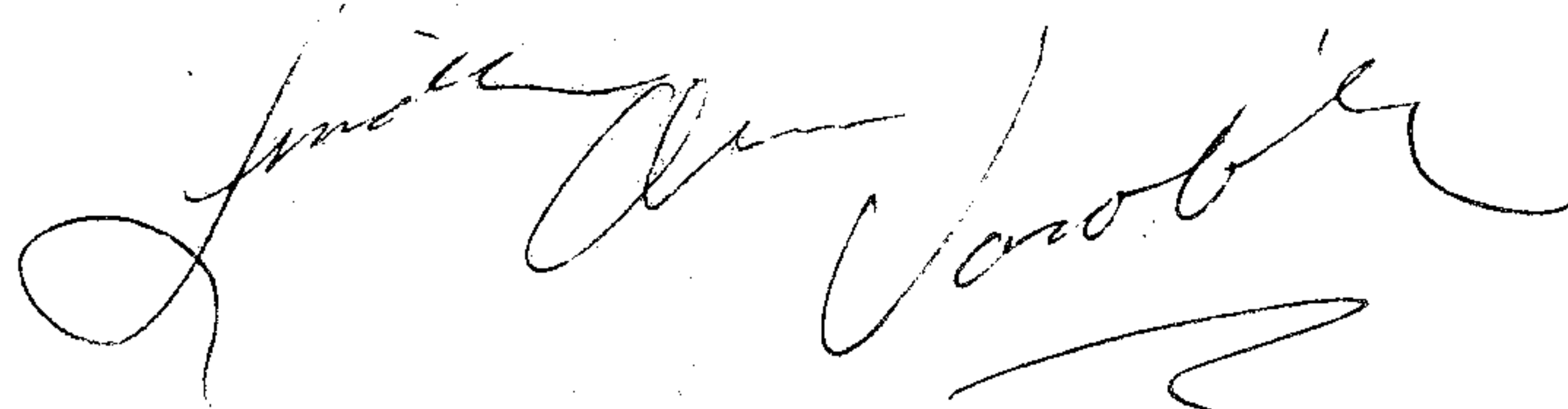
1. be well informed of proposed changes
2. get involved
3. be willing to provide information about the natural values of the land as it is.

We all share a common appreciation for our native flora and vegetation. To ignore our responsibilities to the native plants would be an attempt at having our cake and eating it too.

Luckily, our society is full of resourceful people, from enthusiastic volunteers to professional botanists at many levels. We aided the passage of the federal Endangered Species Act, and are working for state legislation. Many chapters work in cooperation with agencies for protection of local lands.

The NPSO Bulletin is extremely important in informing members of current issues. As editor, I was always very glad to include such items. It seems such a vital way to help provide a good earth for my children and my children's children. I trust that the NPSO membership shares a willingness to work for protection of our native plants and their habitats, as well as reaping the benefits from them.

Linda Ann Vorobik
Emerald Chapter
On to other endeavors!



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INDIGENOUS BOTANISTS OF THE NORTHWEST

The botanical history of the Pacific Northwest began with the work of explorer-naturalists who were trained scientific observers and collectors. The names of some of them are familiar -- David Douglas, John Jeffrey, and John C. Fremont -- because they appear as place names, or are associated with the nomenclature of plants and animals in the literature of descriptive science.

Less well-known, indeed hardly remembered, are the indigenous describers and collectors who walked the Oregon Trail with their parents, or who arrived in the early days of rail transport. These resident botanists were self-taught. They collected widely throughout Washington and Oregon. Some of them collected cooperatively, or in the interest of original work and accuracy they verified their findings by correspondence with each other. Usually they began by collecting locally, and then, as they gained experience and confidence, explored the Cascades, Blue Mountains, or Wallawas, the frontiers of new and fascinating flora. Only rarely did they leave the region.

The Mountain Flora of Northeastern Oregon

Distribution of Wm. C. Cusick --- 1909

The plants of the following list were collected in 1907-08.

190 sheets, more or less, are offered, carriage paid by me, at 10c. per sheet. A discount of 5 per cent. will be allowed for duplicates that may be undesirable.

	Address Wm. C. Cusick, Union, Oregon.
3154 <i>Acer Douglasii</i> Hook.	3323 <i>fraterna</i> Greenm. n. sp.
3298 <i>Adiantum pedatum aleuticum</i> Rupr.	3134 <i>Chaenactis Douglasii alpina</i> A. Gray.
3307 <i>Agropyron tenerum</i> Vas.	3104 <i>Clematis columbiana</i> (Nutt.) T. & G. (var.)
3143 <i>Agrostis depressa</i> Vas.	3324 <i>Cryptogramme acrostichoides</i> R. Br.
3284 <i>exarata</i> Trin.	3181 <i>Danthonia intermedia Cusickii</i> Williams.
3144 <i>pallens foliosa</i> (Vas.) Hitchc.	3325 <i>Delphinium simplex</i> Dougl.
3214 <i>Rossae</i> Vas.	3175 <i>simplex</i> Dougl.
3237 <i>Amelanchier florida</i> Lindl.	3320 <i>Deschampsia atropurpurea latifolia</i> (Hook.) Scribn.
3234 <i>Anemone oregana?</i> A. Gray.	3126 <i>caespitosa</i> (L.) Beauv. (alpes- trine.)
3220 <i>multifida</i> Poir.	3338 <i>elongata</i> (Hook.) Piper.
3216 <i>parviflora</i> Michx.	3222 <i>Dodecatheon vulgare</i> (Hook.) Piper.
3233 <i>quinquefolia</i> L.	3315 <i>Dryas Drummondii</i> Richardson.
3193a <i>Antennaria luzuloides</i> T. & G.	3304 <i>Elymus glaucus</i> Buckl.
3256 <i>Howellii</i> Greene (var.)	3270 <i>Macounii</i> Vas.
3237 <i>Howellii</i> Greene.	3303 <i>oregonense</i> Buckl.
3217 <i>Aquilegia flavescens</i> Wats., alpine form.	3295 <i>Epilobium atrichum</i> Lév.
3311 <i>Arnica mollis</i> Hook.	3118 ?
3266 <i>Asarum caudatum</i> Lindl.	3313 <i>clavatum</i> .
3105 <i>Aster Cusickii</i> A. Gray.	3210 <i>Erigeron Chrysopsidis brevifolius</i> Piper.
3108 <i>integrifolium</i> Nutt.	3142 <i>membranaceus</i> Greene.
3328 <i>reductus</i> n. sp. Piper (ined.)	3208 <i>membranaceus</i> Greene.
3250 <i>Athyrium cyclosorum</i> Rupr.	3186 <i>microlonchus</i> Greene.
3332 <i>Balsamorhiza Careyana</i> A. Gray.	3261 <i>microlonchus</i> Greene (form)
3255 <i>deltoidea</i> Nutt.	3309 <i>speciosus</i> DC.
3264 <i>Berberis nervosa</i> Ph.	3318 <i>speciosus</i> DC.
3267 <i>Betula</i> ?	3174 <i>tegetarius</i> Cov. n. sp. ined.
3254 <i>Bromus hordeaceus glabrescens</i> (Cross) Shear.	3170 <i>tegetarius</i> Cov. n. sp. ined.
3245 <i>hordeaceus</i> L.	3315c ?
3294 <i>polyanthus</i> Scribn.	3359 ?
3197 <i>Richardsoni pallidus</i> (Hook.) Shear.	3291 <i>Eriogonum Piperi</i> Greene.
3120 <i>Calamagrostis canadensis</i> (Michx.) Beauv.	3132 <i>Piperi</i> Greene.
3238 <i>Calochortus elegans</i> Pursh.	
3161 <i>Capnorea pumila</i> (Dougl.) Greene.	
3167 <i>pumila</i> (Dougl.) Greene.	

continued on
next page

The records of these resident field botanists were often deposited with academic institutions in the Northwest, mainly at Pullman and Seattle, Washington, and Eugene, Oregon. Several collectors in Oregon either gave or sold their collections to the University of Oregon between 1900 and 1925. Such collections included not only exsiccatae, but photographs, sales lists of plants, diaries, correspondence, field notes and even expense accounts.

In an earlier article, "The Procession of Botanists in Oregon," published in The Call Number, Fall, 1960, I reviewed the chief contributions of these early residents, and attempted to associate the contemporary field workers Thomas Howell, William Cusick and Louis F. Henderson with distinct geographic areas of their greatest field activity. Since then, a good many more manuscripts have been uncovered in museums and libraries in the Pacific Northwest, particularly at the University of Oregon and Washington State University.

The correspondence and other records of Thomas Howell, Martin Gorman and Louis Henderson, three very sociable field collectors living in the Portland area between 1877 and 1893 indicate clearly that they needed one another. By correspondence and sometimes by joint field work they verified observations and substantiated conclusions. The great concern was to be accurate when they sent their observations beyond the Pacific Northwest to professionals in eastern institutions. They were "provincial" in the broad and pleasant sense of the term, geographically far removed from the closest scientists, the establishment botanists and editors.

These provincial collectors had to maintain lines of communication with the accepted authorities in Boston, New York and Washington. Such men as Asa Gray and Sereno Watson of Harvard, Daniel C. Eaton of Yale, and Charles V. Piper at the Department of Agriculture were the ones who could release to the scientific world the acceptable English and Latin descriptions of new western plants. That we have western plant genera *Howellia*, *Suksdorfia*, and many specific names within our flora, as *Hendersonii*, *Gormanii*, and *Leachiana*, indicates the cooperation and genuine respect existing between the resident collectors of the Pacific Northwest and the plant describers of eastern herbaria.

Examples of the communication among the early resident botanists are presented herein to display their personalities -- humor, annoyance with and compassion for others, love of solitude and for growing things, and their zeal for accuracy. The letters have been selected to display these indigenous field collectors each on a quest for the human self.

Thomas Howell and William Cusick were family farmers. Each had come to Oregon as a child. The Cusick family settled first in Linn County. After some college experience at Willamette University, and brief army service at Fort Lapwai, Idaho, William Cusick and his brother began ranching and family gardening in Union County on a tributary of the Grande Ronde.

The Howell family arrived in Oregon in 1850, settling in the Forest Grove area. In 1851 they moved for a farm on Sauvie's Island near the confluence of the Columbia and Willamette rivers. From the Sauvie's Island farm, Thomas Howell collected plants, until he moved to the Oregon City area about 1893.

Both men were avid collectors, and their field work took them ever farther from their homes. To support themselves, they sold plants. Each man had lists printed and distributed to correspondents, friends, and herbaria. The first Howell list known is dated 1873, a list of living plants offered for sale. Later he issued lists of dried plant specimens for sale. These lists were usually undated, and remarkably variegated as to spelling. Cusick, on the other hand, sold only dried specimens from dated lists, with numbers corresponding to his own field collection.

The regional botanists cooperated not only in collecting, but in publishing. In the first issue of Mazama, published in early 1896, there appeared two articles. One was titled "The Flora of Mount Adams," and was credited to William Suksdorf, botanist of Bingen, Washington, and Thomas Howell. The other, "The Flora of Mount Hood," was written by Howell. We know from various sources that Martin Gorman, first secretary of the Mazamas, had urged Howell and Suksdorf to compile these papers. We know, also, that Howell, who had little schooling, used Gorman as an editor who would revise his work into acceptable form. Suksdorf, also, was incapable of writing an article. Gorman's solution to this problem appears in a letter of February 10, 1896.

The diverse interests of these early botanists is demonstrated by the fact that several of them devoted considerable study to the use of plants by Indians. Among the records of Martin Gorman and Louis Henderson are manuscript lists on the subject of ethnobotany. The recipe (*below*) is from a typed letter dated Feb. 24, 1926, from Gorman to an unknown correspondent. It is an example of Gorman's first-hand knowledge of the food plants of the Indians. His diaries, on file in the University of Oregon Library, record his seven summers (1890-1899) when he worked for a fish cannery at Yes Bay, Alaska. During those summers he collected plants, kept meteorological records, and compiled Indian vocabularies.

continued on next page

HEMLOCK BARK BREAD

"I have completely forgotten the native name of the Hemlock Bark Bread, and my notes were destroyed in the slight fire we had at the Forestry Building...The method of baking the bread is as follows. In June, when the sap is at its fullest flow (in that latitude) the men repair to the woods and fell a medium-sized hemlock or two, strip off the tree at 11 or 12 feet apart, and strip off the inner bark in long strips. These strips are taken to camp, where the Klooches (women) pick them up into small pieces and add a little water to make a sort of batter. The batter is then put into frames 11 inches square and 1/2 to 3/4 inches deep and smoked in the smokehouse for 24 hours. The cakes are then ready for use and are packed in mats of red cedar bark like cantles of codfish. There are two methods of using it, namely, A. It is broken up into small pieces which are pounded to a powder and then scattered over the boiled smoked salmon which forms the chief winter food of the coast tribes. B. The bark cakes are broken up into small pieces as before, dropped into a pot of boiling water until they are completely soft. They are then put outside on the snow until they are quite cold and are then eaten-usually at the end of the meal as we would eat ice cream."

Wapinitia.

227 Pine street
Portland, Or., Feby 10/96.

My Dear Mr. Howell

The Executive Committee of the Wapinitias has decided to include a sketch of the "Flora of Mt. Adams" in the bulletin which they are about to publish and with this end in view the Secy. (Rev. Mr. Willam) wrote to Mr. Sukedof asking him if he wd. write the same.

Mr. S. has replied that he does not consider himself capable of writing such an article but he is willing to write out a list for any one who will undertake to complete the sketch, with the understanding of course that he will get due credit for what he does.

Now! Do you think you could furnish a good sketch if you had Mr. S's list? - My trunk in the west 10 days will do as the Committee is not yet ready to go ahead owing to that, now, universal complaint of financial stringency. Mr. S. has been written to and we will probably have an answer from him in a day or two.

Frank and I searched our stock on Sunday the 2nd and could not find a single specimen of Sullivania - nothing but a few old scraps.

Yours respectfully
W. L. Garrison

Interesting in a very different way is an exchange of letters between Louis F. Henderson and Charles V. Piper. They were old personal friends. Piper had taught at Washington State College between 1893 and 1903 while Henderson was ten miles away at the University of Idaho. Piper became chief agrostologist of the U.S. Bureau of Plant Industry in Washington, D.C., while Henderson retired to his apple orchard at Hood River, only to come out of retirement in 1924 to the University of Oregon as Curator of the herbarium. He retired in 1930 at the age of 86.

Henderson's correspondence reveals him as a loving human, a grandfatherly man, characteristics which are corroborated in several interviews the writer has had with those who knew him.

On October 18, 1923, Piper wrote from Washington, D.C. to Henderson:

"Some time ago Aldrich told me about the stunt you performed on your seventieth birthday, namely of rowing a boat across Columbia River and back. I am nowhere near seventy yet, but I don't believe that I could perform the feat ... It must feel fine to become of age like that; and I judge from your rowboat feat that you are as strong and vigorous as of yore."

On October 22, Henderson replied, with justifiable pride:

"Yours of Oct. 18th just rec'd. Strange how things happen! I was going to write you today. You got my stunt wrong, though. Better than rowing, I swam the Columbia at this place. And I believe I have one if not two daughters, and one granddaughter 10 years old who can do it too. I'll try again next year, as I hope I may ... I am still in that devilish business of raising apples, in which I get poorer and poorer every year, if that were possible. Well, I am now blowing out with dynamite a part of it, non-productive varieties, and that is going to give me more time for study, if not money ..."

The interdependence of the resident botanists in the Northwest is nowhere more clearly demonstrated than in the botanical exploration of southwest Oregon, an area defined by the drainage basins of the Rogue, Illinois and Chetco rivers in Josephine and Curry counties. The earliest botanizing in this interesting area was done by Thomas Howell. In 1884 he found there one of the last new tree species described for North America. He visited the area repeatedly until his death in 1912.

Following Howell's footsteps came Louis Henderson, who collected in the southwest counties of Oregon in 1924, 1925, 1926 and 1930. Albert R. Sweetser, too, followed Howell into the upper Illinois River country in 1922 and 1923. Sweetser left detailed records of his trips, in part because he was a methodical man, and in part because he received some financial support from the American Association for the Advancement of Science. Henderson, too, left field notes. This was especially important, because Howell's work is represented only by collections of pressed plants, many of them only vaguely identified so far as locality is concerned.

It is instructive to see Sweetser's expense account for his field trips, from 1923-1925. The total expense was somewhat less than would be required today for "overhead," to say nothing of field work itself.

continued on next page

STATEMENT OF EXPENSES

In Connection With The Kerby Trip

From April 27 to May 31, 1923.

Hotel and meals en route	\$ 18.50
Gas, oil, storage and repairs	15.20
Rent of automobile for Oregon Mountain trip .	10.00
Tent and furniture	26.00
Photographical material	13.50
Freight	5.60
Postage on specimens	1.00
Miscellaneous repairs	1.50

Total\$ 91.40

INDIGENOUS BOTANISTS, continued

Sweetser's diary for 1925 illustrates the methods of collecting. He was accompanied on this trip by his wife. Assisting him was Lincoln Savage, a local botanical enthusiast and collector.

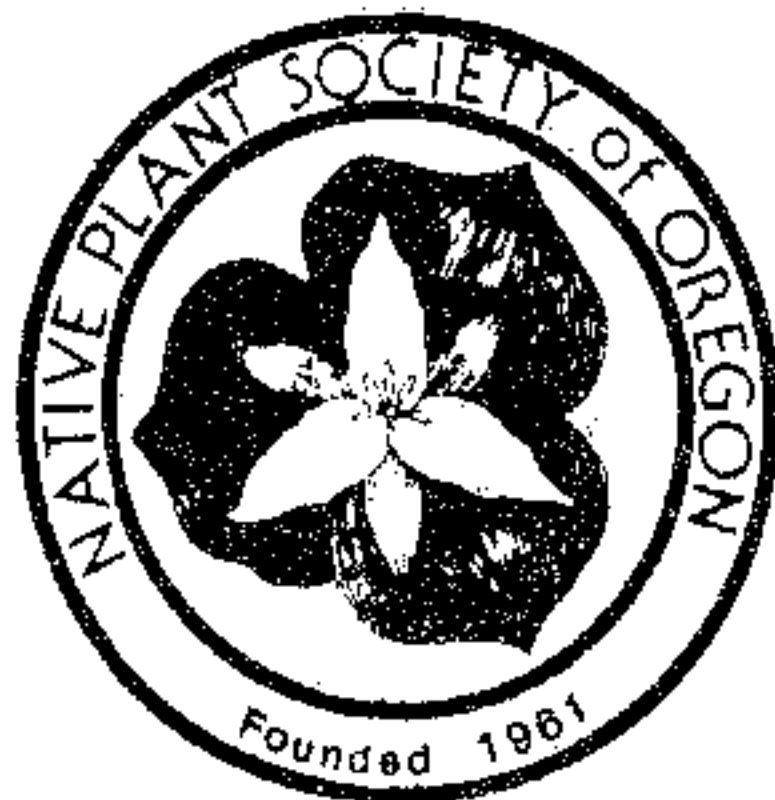
"May 5. With Mr. and Mrs. Savage and Jimmy drove to Slate Creek bridge. Had picnic lunch, then collected on the slope of Hayes Hill, paying special attention to the Erythroniums. Found the apparent meeting place of E. hendersoni and E. gigantea along a line bearing about N. 80 E. To the east and south E. hendersoni, to the west and north E gigantea. A great variety of apparent hybrids of the two were found as is shown by the specimens collected. (sic)

"May 13. Trip to Waldo. The Savages and the Sweetser's drove to Waldo. Took the old mine road to the foot of Indian Mountain and parked for the day. Collected on the neighboring serpentine hillside but found nothing new. It was in this region that Mr. Savage saw Thomas Howell collecting and is part of the region so often referred to by him as 'Found on serpentine near Waldo.'"

Albert Sweetser was probably the first of the botanists to become interested in the work of his predecessors as an historical record. Between 1917 and 1936 he attempted to obtain biographical information about all scientists who had lived in or travelled through the Pacific Northwest. Among his correspondents was William Suksdorf of Bingen, Washington. Suksdorf's papers are at Washington State University, but many of his plant specimens are in the herbarium of the University of Oregon. He was German, wrote several important botanical papers in the German language, and his correspondence indicates that he must have suffered during the anti-German period of World War I. In 1920, responding to a request for biographical information from Sweetser, he wrote a bitter letter referring to his origins, to anti-German sentiments, and predicted that worse was to follow.

The manuscripts herein quoted or reproduced represent a small selection of the available record of the indigenous botanists of the Pacific Northwest. They illustrate personalities, and suggest the trials, tribulations and triumphs of some of these men. It is to be hoped that some interested scholar will, in time, use these records to produce a much-needed definitive account of the contributions of these botanists to science, and of their own special individual qualities.

Edward P. Thatcher



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Crater Lake rockcress

Arabis suffrutscens
var. horizontalis

