

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.

Vol. XV No. 6

JUNE 1982

## GREETINGS FROM THE NEW PRESIDENT!

I am proud to assume the presidency of the NPSO. I believe strongly in our objectives and will do my best during the next two years to lead our society to accomplish our important twin goals of action to protect Oregon's precious native flora and education of the public concerning proper respect for native plants.

As some of you may know, I have not formerly been a chapter president or NPSO Board member and thus, in the early months of my tenure, I will be learning who all of you are and how to do my job effectively. When Nominating Committee Chairperson Ruth Hansen asked me to run for president, she assured me that I would be supported by an active and hard-working Board and membership. So I here call on all chapter presidents, members of the Board and NPSO-ers throughout Oregon to make Ruth's promise a reality so that we can continue to be the strong society that we have been through the years.

The major specific goal I would hope we can accomplish by 1984 is to see through the Oregon Legislature a bill protecting our state's rare native plants. This will not be easy and I will need the help of all our members. Our legislators will, in 1983, have the formidable task of balancing Oregon's budget, yet we must make our representatives in Salem see that protection of our threatened flora is a must if our state is to retain its leadership in environmental concerns. We must start early and work hard for the legislation we need to halt commercial exploitation of our plants.

Finally, I want to congratulate all my new fellow officers and Board members. I look forward to working with you all. I also wish to congratulate Gavlee Goodrich, Linda Vorobik, and Ruth G. Hendrickson, winners of \$1000 Jean Davis Memorial Scholarships. And, perhaps most of all, I extend my additional thanks and congratulations to Linda Vorobik for the splendid job she has done and continues to do as editor of our Bulletin.

Flowers forever!

Rhoda Love  
President, NPSO

## JEAN DAVIS MEMORIAL SCHOLARSHIPS

On May 8 the scholarship committee met in Salem to select recipients of the new scholarship for students studying native plants of Oregon. Because of favorable interest rates, this first year has three people being awarded \$1000 scholarships.

The recipients for 1982-1983 are:

GAYLEE GOODRICH, a Master's candidate in Biology at the University of Oregon. She is presently doing research on systematics and ecology of several species of Delphinium.

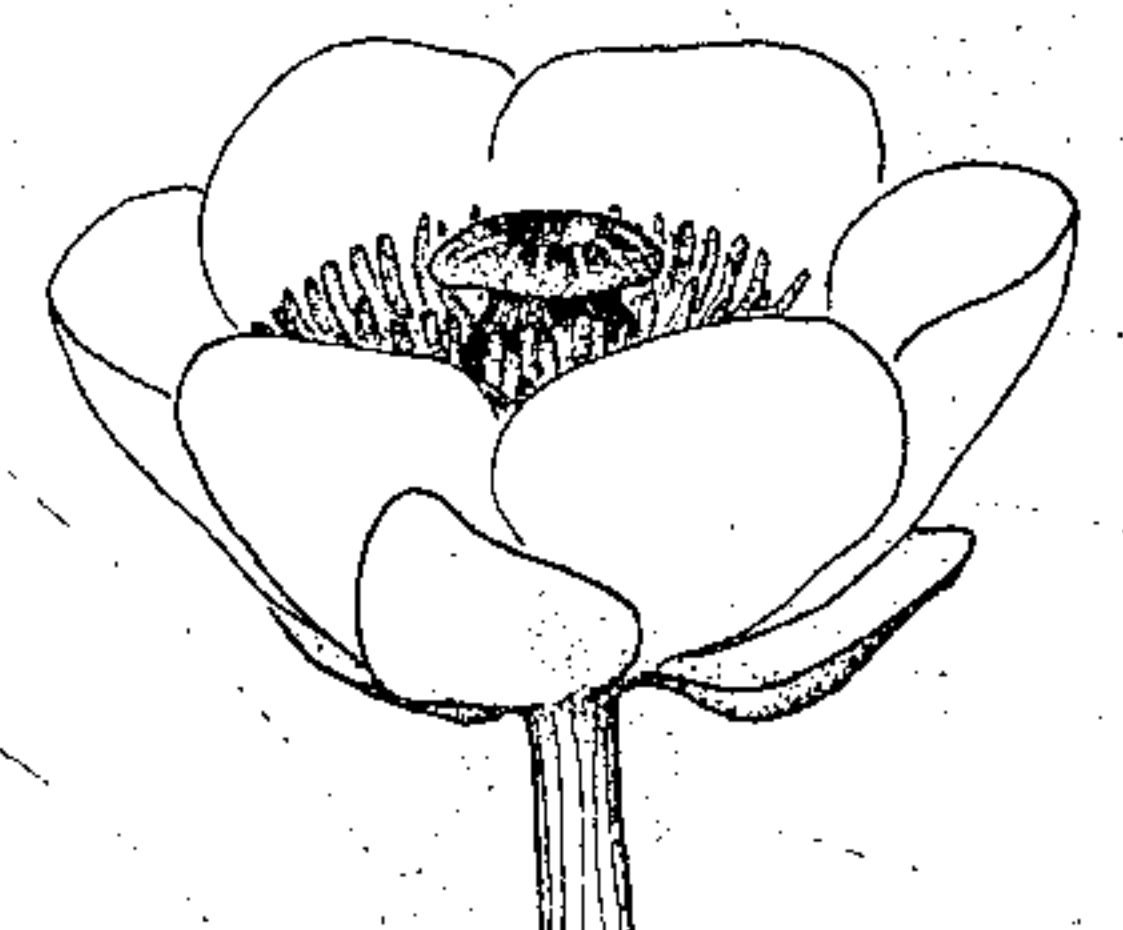
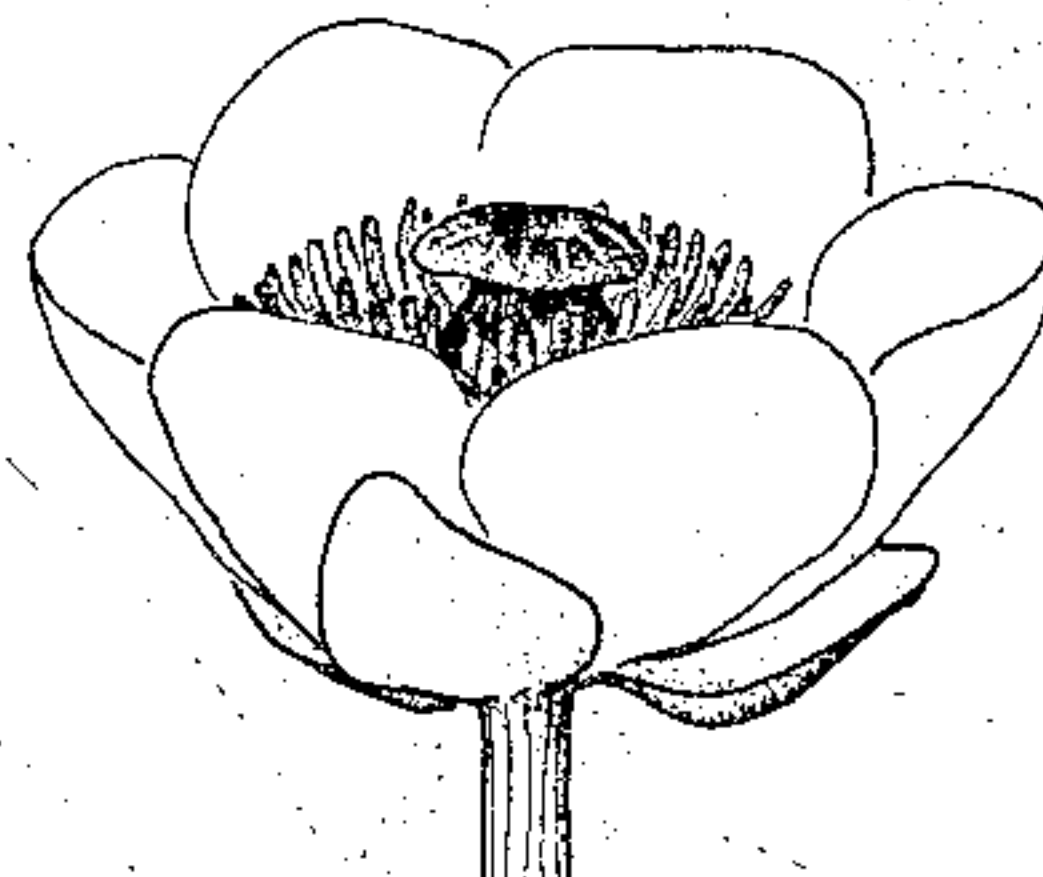
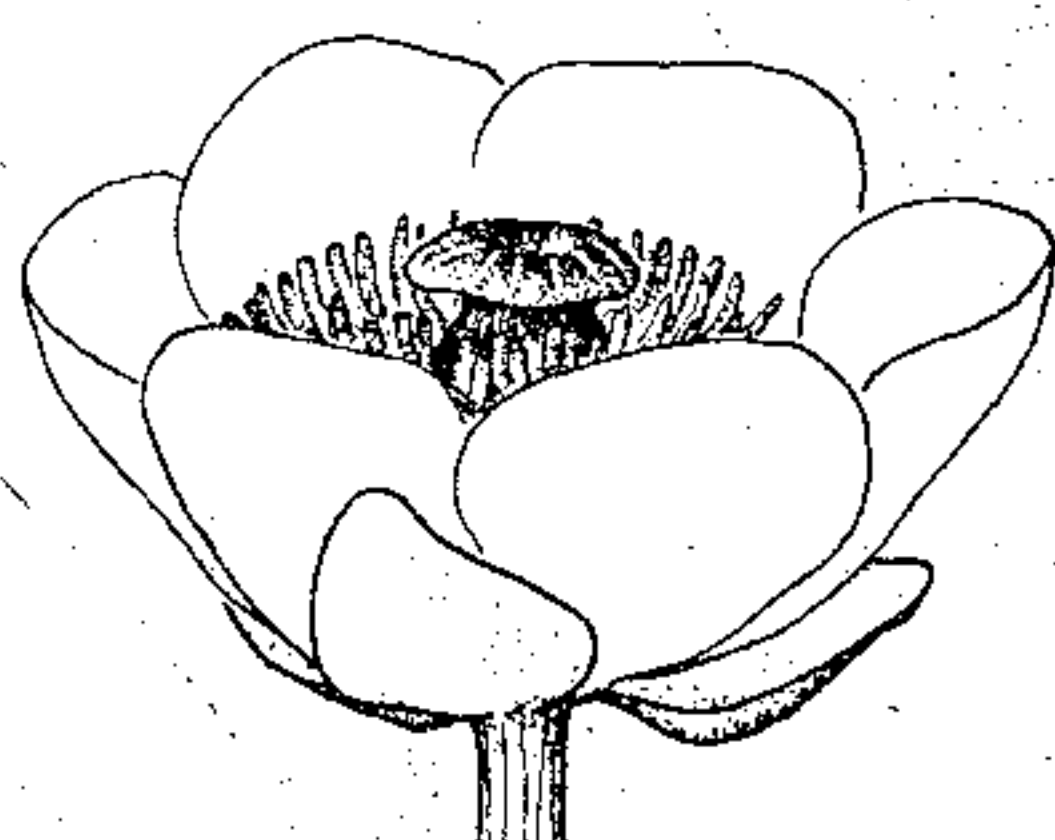
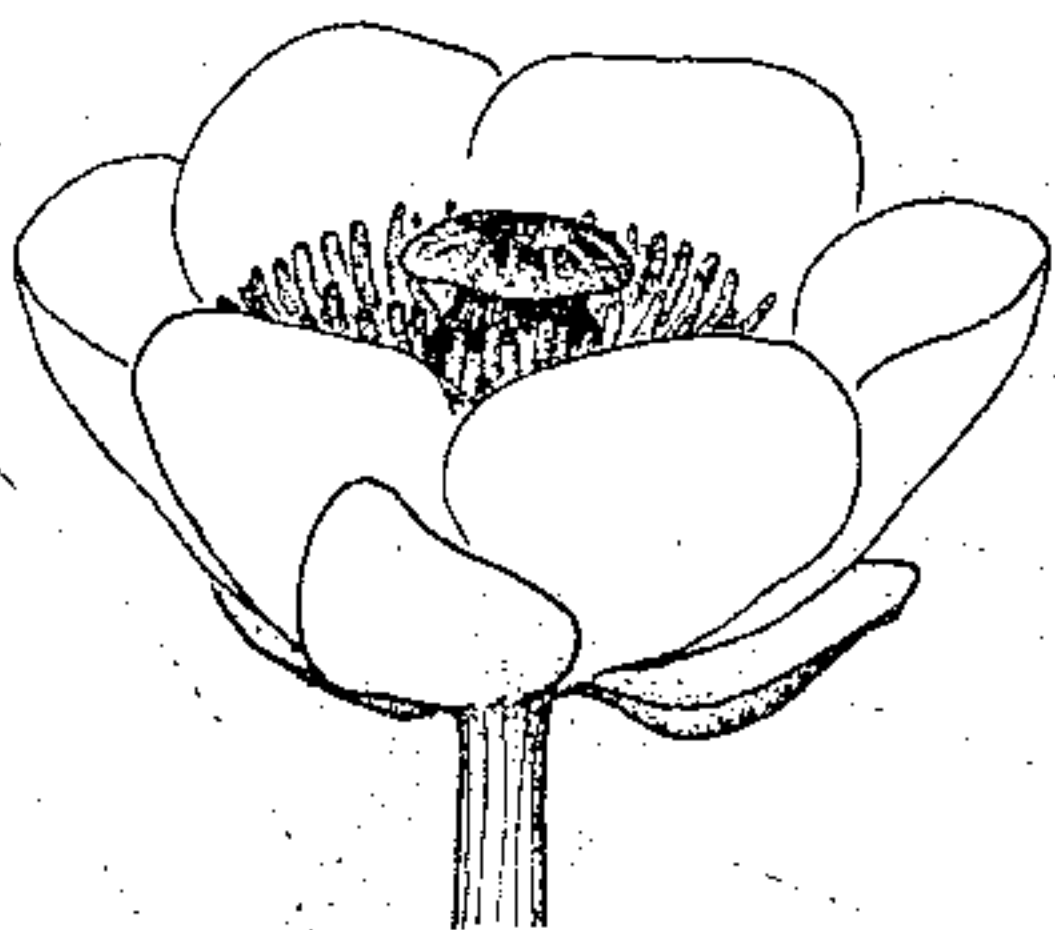
RUTH G. HENDRICKSON, a junior at Pacific University in Forest Grove. She expects to receive a Bachelor of Science in May, 1983.

LINDA ANN VOROBİK, a doctoral candidate in Biology at the University of Oregon. She is studying reproductive isolation in Arabis, the rock-creesses, in southern Oregon. She has served NPSO as Bulletin editor for the past year.

## ENDANGERED SPECIES ACT REAUTHORIZATION UPDATE

Here are a few up-to-date notes concerning our campaign in support of U.S. Senate Bill S. 2309, the Endangered Species Act Reauthorization Bill. Have you written your letter yet? Apparently the letter-writing campaign is paying off. Senator Chafee (Republican, Rhode Island), the bill's sponsor, recently said: "The volume of mail urging Congress to reauthorize the ESA... is staggering... Rarely have I received as much mail on an issue from people... throughout the country..."

This is wonderful, but we must not quit now. The bill must be passed by Senate and House. Also, we favor several amendments to strengthen the bill. Write now to our Oregon Senators, Packwood and Hatfield or to your Congressman. Urge passage of S. 2309 with the amendments favored by the ESA Reauthorization Coordinating Committee. For a copy of the amendments, write to your editor c/o the Biology Department, U. of O., Eugene OR 97403, or to Ken Berlin, ESA Reauthorization Coordinating Committee, P.O. Box 50771, Washington, D.C. 20004.



## CHAPTER NEWS

### SISKIYOU CHAPTER

#### Meeting:

Thursday, June 3, 7:30 p.m., in Room 171 at Science Building, SOSC. Ecology of Southwest Oregon Forest Communities, by Albert Abee, a professional ecologist from the Medford BLM District. This is an excellent opportunity to learn more about how the natural systems work in our area. Ecological relationships of plants, animals, water and soil will be explored as well as the niche for modern silvicultural practices. We will vote on a proposed budget for the remainder of 1982.

July 4. Irene Hollenbeck Memorial Wildflower Show, Lithia Park, Ashland. For several years this display has drawn enthusiastic crowds during Ashland's Independence Day festivities. It is an occasion for us to present examples of our beautiful local flora, our rare plant species, and other educational displays. It is a time that our chapter shares information with the public about our organization and our activities.

The show is named for Irene Hollenbeck, who was an inspirational teacher and botanist in our area for many years.

JULY 4th VOLUNTEERS NEEDED! Help. This annual event is the only time throughout the year when most people in our community learn about the Native Plant Society and our activities. We definitely want to make the contact a good one. We need help collecting plants, identifying specimens, setting up tables, jars, labels, displays, organizing, meeting and talking to visitors and cleaning up afterward. Especially needed is help now in the planning and organizing stage. A welcome response will await any volunteers. Please call Wayne Rolle 482-0093.

#### Field Trips:

5 June. Rogue Valley Weed Trip. An easy half-day excursion to identify and discuss the escapes and exotics on the valley floor. We will visit a few gardens, agricultural, and disturbed sites. For more information, call Wayne Rolle at 482-0093. Meet at the Ashland Bi-Mart at 8:00 a.m. and Medford Bi-Mart at 8:30.

26 June. Gold Basin (Kalmiopsis Wilderness Area) Trip. This moderate to strenuous walk will be led by Diane Meyer (482-2263) and will start at Onion Camp and hike over the ridge tops to the Gold Basin. This will be an all day trip with an overnight option. Carpools will start at the Ashland Bi-Mart at 9:00 and the Medford K-Mart at 9:30.

2, 3, 4, 5 July. Preston Peak Four-day Back Pack Trip. Mountain meadows, cirque basins, and a large, high elevation Darlingtonia bog, all under the most impressive peak in the Siskiyou. This trip is limited to the first 8 people to call Wayne Rolle 482-0093.

10 July. Black Bear Swamp Field Trip. Be prepared to walk/wade through a lovely Cascades swamp. This will be an all-day trip of moderate difficulty. Meet at the Ashland Bi-Mart at 8:00 and the Medford K-Mart at 8:30. To be led by Sue Blumenthal 482-0093.

17 July. Mt. Ashland Loop Trip. We'll head up to Mt. Ashland to see sub-alpine meadows, serpentine outcrops, and talus slopes and return to the valley via Ruch. Meet at the Medford K-Mart at 8:30 and the Ashland Bi-Mart at 9:00. For more information, call Dave Gardia, the trip leader, at 899-9039.

7 August. Crater Lake Wildflower Path. This will be an easy stroll through the picturesque path near the park's administration headquarters. Meet at the Ashland Bi-Mart at 8:30 and the Medford K-Mart at 9:00. For more information, call Marylou Schnoes at 770-5519.

### BLUE MOUNTAIN CHAPTER

#### Field Trips:

June 6, 1982. Morgan Lake, Union County. Meet with trip leaders Roy and Rachel Sines at the entrance to Morgan Lake Park at 10:30 a.m. Carpool from BMCC at 9:00 a.m.

June 19, 1982. Tollgate Area. This caravan-style field trip will begin in Woodward Campground near Langdon Lake at 10:00 a.m. After botanizing the forested areas around the lake we will move to Target Meadows where we should be able to find several species of orchids. After botanizing the meadows we will drive to Bald Mountain Viewpoint on the Jubilee Lake Road to observe the early summer wildflowers of the dry, open slopes. Trip leader, Karl Urban. Carpool from BMCC at 9:00 a.m.

July 3, 4 and 5. High Wallows (Mt. Howard and Ice Lake. Our chapter is jointly planning this special trip with members of the Idaho Native Plant Society. More details will be available in later bulletins. For campground reservations at Wallowa Lake State Park, contact Harry Oswald.

July 24-25. Anthony Lakes (tentative). Trip leader: Charlie Johnson, Wallowa-Whitman NF (tentative).

### CORVALLIS CHAPTER

#### Meeting:

June 17th. Indians and Plants of the Great Basin. A narrative and slides with some artifacts, by Caryn Talbot Throop. Caryn taught "Aboriginal Life Skills" for many years at the Malheur Field Station. 7:30 p.m., Cordley Hall Room 2082, OSU Campus.

#### Field Trip:

Announced at the May meeting. For information call Bob Meinke, 753-1747.

EMERALD CHAPTER

WILLAMETTE VALLEY CHAPTER

Meetings:

No regular meeting until September 20.

Field Trips:

Meet for carpooling at 8:00 a.m., at South Salem K-Mart parking lot, unless otherwise noted.

Saturday, June 5. Rocky Top. Medium effort trip. George Schoppert, leader (859-2613).

\*Saturday, June 12. Rare native plants of Eugene area with Alan Curtis (345-2571). Leader Wilbur Bluhm (393-2934).

\*Saturday, June 19. Coast. Clint Urey, leader (743-2802).

\*The above two easy trips will be interchangeable depending on the development of the flora.

July 3-4-5. Metolius River Area weekend campout. Medium effort trips. Leader Wilbur Bluhm (393-2934). More information to those who inquire.

Saturday, July 10. Iron Mountain. In conjunction with Audubon. Leader, Irma Bunnell (393-6159).

Saturday, July 10. Jackson/Frazier Creeks Wetland grasses and sedges with Kenton Chambers (752-3646). Carpool at 9:00 a.m. or meet at Payless parking lot, 9th and Circle Blvd., Corvallis. Easy half day trip. Leader, Mariana Bornholdt (585-2057).

WILDFLOWER FIELD STUDIES

Biology teacher Wendell Wood, of the Umpqua Valley Audubon Society, will be teaching "Wildflower Weekend Workshops" this summer, sponsored by OMSI and Lane Community College. The classes are available for all who are interested, regardless of your geographical location. Travel directions and course information will be provided with registration. Beginning in June and continuing through August, individual trips will include the Rogue River Trail; mountain meadows of the Umpqua National Forest; the coast and Oregon Dunes; the Kalmiopsis Wilderness; and a 5 day backpack in the Three Sisters Wilderness. For a complete schedule and where to register send a self-addressed stamped envelope to Wendell Wood, P.O. Box 1725, Eugene, Oregon 97440.

EMERALD CHAPTER  
GRASS IDENTIFICATION WORKSHOP

Alan Curtis and Rhoda Love will be organizing a Grass Identification Workshop to be held on a Sunday or on one or more evenings this month (June). Date(s), time(s), and place, will be determined at the June Emerald Chapter meeting. If you are interested in learning to identify grasses or in practicing your grass identification skills, attend the June meeting and/or call Alan at 345-2571 or Rhoda at 345-6241 for details.

Meetings:

Monday, June 7, 7:15 p.m. Wildflowers of the South West: Utah, Arizona, California. Harold Dunn, Emerald Chapter member and long time plant lover, will show us slides from his many trips to the Grand Canyon, Joshua Tree National Monument, and the Anza-Borrego Desert. Meet at the American Red Cross Building, 160 East 18th, Eugene.

Monday, July 12, 7:15 p.m. NOTE: THIS IS THE SECOND MONDAY OF THE MONTH TO AVOID THE 4TH OF JULY HOLIDAY. Rainy Day Poppies and Other Delights. Malcolm Manley, Emerald Chapter member and long time photographer, will share his three part slide show, consisting of Oregon scenics, mushrooms, and wild flowers. Malcolm utilizes two projectors to accomplish the slow dissolves with background music for an outstanding show. Juanita Manley, Emerald Treasurer, assists. Opportunity to talk with Malcolm following. Meet at the American Red Cross Building, 150 East Broadway, Eugene.

Field Trips:

June 5. Eagles Rest Trail in the Lowell Ranger District, Willamette National Forest. This medium effort short hike to a rocky outcropping/wet meadow habitat should provide participants with an abundance of mid-elevation early summer blooms (Allium, Orobanche, Castilleja, Fritillaria, Erigeron, Phacelia, and more). Bring a sack lunch and meet for carpooling Lane Community southside parking lot at 9:00 a.m. Linda Johnson, 747-4048, leader.

June 12. Cone Peak on the South Santiam. Helen Hughes, leader (344-6072). In past years Helen has found Dicentra uniflora (Steers head bleeding heart) and Lewisia triphylla (three leaved Lewisia) there. Meet at 8:00 a.m. in the South Eugene High parking lot for carpooling. Bring a lunch. Hiking boots recommended.

June 19. Lane County Coast. Sutton (Campground) and Darlingtonia Botanical Waysides, South Jetty Road and Siltcoss outlet. Suggested reading: Elizabeth Horn, Wildflowers of the Pacific Coast, 1980 and Weidemann, Dennis and Smith, Plants of the Oregon Coastal Dunes, 1974 (OSU Bookstores, Inc.). All day trip. Bring lunch and beverage. Meet South Eugene Parking Lot at 8:00 a.m. Charlene Simpson (686-1094) leader.

June 26. Iron Mountain 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 required. Registration board is located at the Family YMCA, 2055 Patterson Street, or call the Lodewicks, 344-6533.

July 3. Bohemia Mountain in the Calapooya Mountains above Cottage Grove (an Obsidian trip). The Lodewicks again as leaders, see above. Registration required by sign-up at the YMCA or by call to the leaders, 344-6533. Suggested reading and plant list, William H. Baker "Plants of Fairview Mountain, Calapooya

Range, Oregon," which appeared in The American Midland Naturalist in July 1951 (Vol. 46, pp. 132-173). (Ed's note: Dr. Baker is an active Emerald Chapter Member some 30 years after the publication of his little flora.) Meet South Eugene High School parking lot at 8:00 a.m.

PORTLAND CHAPTER

Meeting:

Wednesday, June 23, 7:00 p.m., Central Library, 801 SW 10th, Portland. Lewis and Clark Expedition/Edible Plants. This is an exciting slide/narration of the Lewis and Clark Expedition. Included is a presentation on edible and medicinal plants used on the trail, along with uses of other natural materials. The program will be presented by Lurel Hall and Chuck Dalish.

Field Trips:

Saturday, June 5, No trip scheduled.

Saturday, June 12. Rowena Dell. TNC work party. Carpool at Dept. of Motor Vehicles parking lot, N.E. 60th & Glisan, 7:30 a.m., or meet at Mayer State Park overlook (on the hill) at 9:00.

Saturday, June 19. Dog Mountain. Leadership by Virginia Diegel, our newly-installed chapter president. Carpool 8:00 a.m., at the DMV lot as above, or meet at the north end Bridge of the Gods 9:15. This hike, open to all, is to be an expression of support for Friends of the Columbia Gorge. The trail is strenuous, gaining 2400 ft in 2½ miles.

Saturday, June 26. Finley NWR. To be led by Glenn Walthall, our omni-competent natural historian. Met 7:30 a.m., in the K-Mart parking lot, Tualitan, take Exit 289 off I-5. The refuge is 12 miles south of Corvallis.

Weekend, July 3 and 4. Wallowa Mountains. A joint trip with members of the Idaho NPS and our Blue Mountain Chapter. Call Shep Wilson or Joyce Beeman about arrangements.

Saturday, July 10. Mirror Lake. Esther Kennedy, leader. Carpool 8:30 a.m. at the DMV lot as above, or meet at the trailhead, one half mile short of the Ski Bowl at 9:30.

HIGH DESERT CHAPTER

Field Trips:

Saturday, June 12. The Lawrence Grasslands Preserve near Shaniko, will be the destination. Tammy Maurer, a U of O graduate student, is doing research field work on this Nature Conservancy owned preserve and will be our guide. Leave at 8:30 a.m. from behind MacDonald's. Hiking will be non-stressful. Bring a lunch.

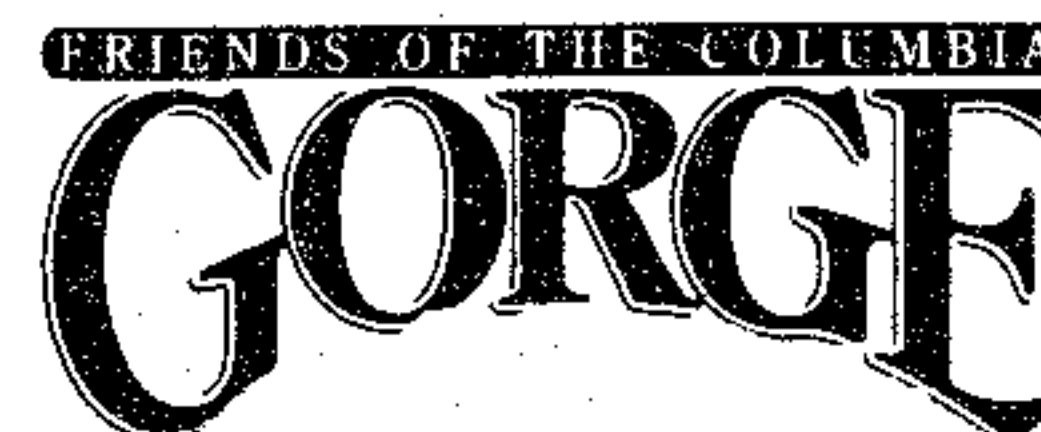
June 26. Iron Mountain. Marge Ettinger will be our leader. Don't miss this spectacular hike, 4 miles roundtrip with elevation gain. Leave at 8:30 a.m. from MacDonald's parking lot. Bring lunch.

THERE WILL BE NO MEETINGS IN JUNE, JULY OR AUGUST.

A COLUMBIA RIVER GORGE SYMPOSIUM

On Saturday, June 5th and Sunday, June 6th, 1982, a symposium titled "A Columbia River Gorge Symposium, the Land and its People" will be held in the Hood River Valley High School in Hood River, Oregon. The organizers promise to, "explore and discuss the economic, political, legal, scenic, and land use issues which will impact the future of the Columbia River Gorge." Cost of registering for the symposium is \$20. For info:

Katharine Coffin (244-1181, ext. 633)  
Natural Resources Law Institute  
10015 S.W. Terwilliger Blvd.  
Portland, OR 97219



COLUMBIA GORGE APPRECIATION WEEK-END  
Saturday, June 19th, and  
Sunday, June 20th, 1982.

The Friends of the Columbia Gorge is coordinating 36 Columbia Gorge hikes in 2 days in cooperation with 18 hiking clubs in the States of Oregon and Washington. Here is an opportunity to discover a new trail. There is a hike for every level of ability. From "Smell the Flowers" to "Scale the Cliff." Included are hikes on:

The Old Scenic Highway	McCord Creek
Archer Mt.	Rowena Plateau
Silver Star Mt.	Eagle Creek
Beacon Rock	Ruchel Creek
Hamilton Mtn.	Benson Plateau
Table Mtn.	Dry Creek Falls
Red Bluff	Herman Creek
Dog Mtn.	Gorton Creek-Nick
	Eaton Loop
Latourell Falls	Wyeth Trail
Angels Rest	Oneonta-Horsetail
	Falls Loop
Larch Mt.	Wygant-Chet Woot Loop

All of the planned hikes are led by experts and are thoroughly explained in an information sheet available at key outdoor stores, The Friends of the Columbia Gorge office, 519 S.W. 3rd, Suite 303, Portland (503) 241-3762, and the Oregon Environmental Council Office.

Tell your friends about this opportunity to express their appreciation for the GORGEOUS GORGE. For further information contact Friends of the Columbia Gorge.

LEACH GARDEN WALKS:

Portland Chapter has continued to lead Saturday Walks at 10:00 a.m. to 11:45 in June. Many flowers appear as NPSO members have begun a volunteer clean-up program on Saturday afternoons. This garden, left by John and Lilla Leach, for whom the Kalmiopsis leachiana is named, would interest other chapters and members as they come to Portland on business or vacation trips. Come see what is blooming at 122 South East at Johnson Creek ( a couple blocks south of S.E. Foster).

Leach Garden Friends Treasurer  
12924 SE Knapp  
Portland, OR 97236

# THE STATUS OF CUPRESSUS BAKERI

By Frank Sesock

Mr. John Silba, in the "Revised Generic Concepts of Cupressus L. (Cupressaceae)" - "Phytologia" Vol. 49 Nov. 1981, No. 4 - has reduced Cupressus Bakeri subsp. Matthewsii Wolf. to synonymy with Cupressus bakeri.

After assisting Mr. Silba, with a number of pertinent collections of both typical and subspecies data - a decision was made to render subspecies Matthewsii as an invalid title. The problems of taxonomy relating to the Baker cypress were first considered by Elbert Little, Jr., Chief Dendrologist USFS Ret. Dr. Little, (pers. comm. did not consider the subspecies designation as valid. Later, "Zavarin (1967) did not find any significant differences in the two entities of C. Bakeri recognized by Wolf (1948)." Sesock (1980) in part, "A careful examination of trees on most sites, will reveal specimens exhibiting characteristics of either "typical" or ssp. matthewsii."

Cupressus bakeri subsp. matthewsii, was named in honor of Oliver V. Matthews. The late Mr. Matthews, was one of Oregon's foremost botanical explorers. Mr. Matthews made many collections of the Baker cypress for Dr. Wolf. Dr. Wolf eventually named the northern distribution of Baker cypress to honor Mr. Matthews for his efforts.

Cupressus reaches its northernmost North American distribution limits in southwestern Oregon ... represented by Cupressus bakeri Lat. 42° 45' Long. 122° 32' W, Willits Ridge, west of Prospect, Oregon.

The largest known Baker Cypress (as recognized by the American Forestry Association) is located in the Miller Peak region of Josephine County, Oregon. Said tree measures 10' 9" in circumference and 4½', a height of 129', and a crown spread of 29' (F. Sesock 1976).

Please note: The capitalizing sequence for Cupressus bakeri subsp. matthewsii was done for accuracy among different authors. Some authors use caps. for honorary proper names ... other authors use caps. only for generic titles.

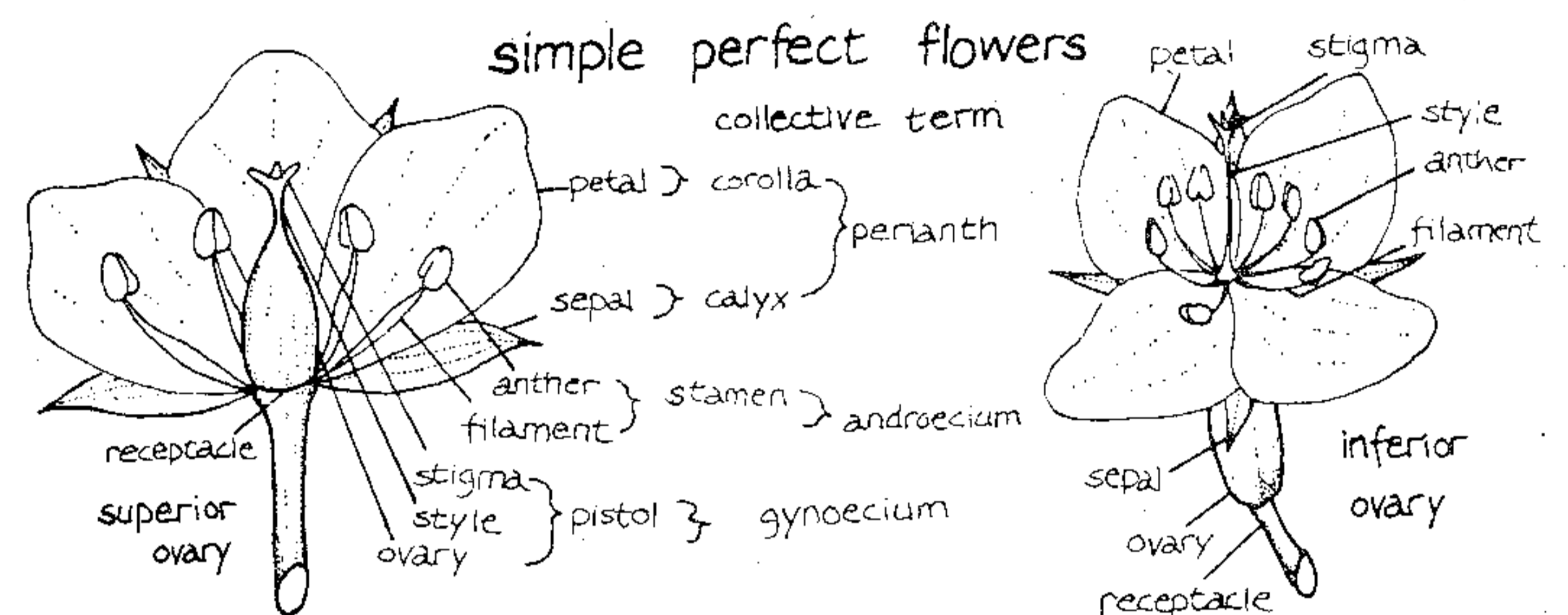
## EMERALD CHAPTER FIELD TRIP REPORT

Destination: The Cogswell-Foster Reserve,  
Linn County  
Date: Saturday, May 15, 1982  
Leader: Rhoda Love

Nine of us had a fine day at the Cogswell-Foster Reserve near Halsey. The weather was mild and sunny and the hawthorns were in full bloom. We walked through the Reserve from west to east passing through several plant communities - former pasture, oak savanna, unplowed prairie, ash swale, old field, and a dike. The leader pointed out the differences between our native hawthorn (Crataegus douglasii), the naturalized English hawthorn (C. monogyna), and their natural hybrids. Camas and buttercups were abundantly in bloom in the meadows. We used Gaylee Goodrich's list of the Plants of the Cogswell-Foster Reserve and identified several new species to be added to the list.

We lunched beside Little Muddy Creek and returned to our vehicles via the so-called China Ditch. The Cogswell-Foster Reserve is known for its diverse bird fauna and we saw and heard many species during our walk. One of our members noticed what may well be the largest specimen of service berry (Amelanchier alnifolia) any of us will ever see -- it appeared to be between 30 and 40 feet tall! We had a pleasant and relaxing day and, after walking through all those meadows, we came away resolved to get together again in a month or so to do a Grass Identification Workshop!

Rhoda Love



## FIRST RECOVERY PLAN FOR ENDANGERED SPECIES APPROVED.

The Virginia Round-leaf Birch Recovery Plan was signed March 3, 1982, marking the first time such a plan has been approved by the Fish and Wildlife Service (FWS) for a listed plant. Prepared under contract by Terry L. Sharik, School of Forestry and Wildlife Resources, Virginia Polytechnic Institute and State University (VPI & SU), the document is expected to serve as a guide when there are other plants with similar recovery needs in the future.

The Virginia round-leaf birch (Betula uber) is known from a single population in Smyth County, southwestern Virginia. It was originally discovered by W. W. Ashe in 1914, but attempts to relocate the birch during the 1950's and 1960's were unsuccessful. Later, in 1974, Peter Mazzeo of the National Arboretum rekindled interest in B. uber after discovering an undated herbarium specimen collected by H. G. Ayers. Mazzeo's reports prompted a local biologist, D. W. Ogle, to conduct a new search for the birch and, in 1975, the species was rediscovered along the banks of Cressy Creek. It was listed as Endangered in 1978.

Subsequent surveys located at least 40 individuals of B. uber. Despite several intensive searches since 1975 of Cressy Creek and adjacent watersheds, no additional populations or individuals have been found. As of July 1980, 20 individuals remained along the creek, with no new recruitment to the population since before 1975. Factors in this decrease include removal of seedlings for cultivation elsewhere, other human activities, and natural causes. The remaining trees along the creek exhibit various degrees of reduced vigor due to a combination of natural factors (primarily overtopping by other trees) and human activities (stress from overcollection of material for research and propagation purposes).

See Endangered Species Technical Bulletin Vol. VII, No. 4, April 1982, for further details.

BOOKS YOU WON'T WANT TO MISS

--A Review by "Anonymous", from the Newsletter of the Utah Native Plant Society, May, 1982

The Audubon Society Field Guide to North American Wild Flowers. Western Region, by Richard Spellenberg, Professor of Biology, New Mexico State University. Visual Key by Susan Fayfield and Carol Nehring of Chanticleer Press. Published by Alfred A. Knopf, New York, 1979. \$12.50.

The Audubon Field Guide is an excellent basic book for anyone who loves to look at wildflowers. It is easy for the novice to use and also offers more technical and detailed information for the more advanced enthusiast.

For the novice who likes to identify flowers by color, the Audubon book is very easy to use. Flowers are grouped by color and it is a simple matter to thumb through the sections looking for an unknown flower. A good many of Utah's more common wildflowers are to be found there, as well as some of our more exotic natives. Even if you can't find your flower, the journey through the pictures will be a very pleasant one.

The book is billed as a first all photographic field guide. 725 full color photographs are the most important part of the guide. It covers flowering vines, shrubs and trees, as well as flowers. The color rendition is true to the natural flower colors. The photos are about 3 1/4 inches and there are generally two to a page of the 4" x 7" guide. Close-ups of the flowers are interspersed with habitat shots and pictures of the full plant.

The first fifteen pages are a simplified course in botany. The line drawings are white on a grey background which does not make them as formidable as the regular botanical books.

A thumb tab shows the color and shape of the flower. This is a real plus, since anyone who hunts for flowers knows that flowers and their parts are not simple to differentiate.

The captions under each photo give the common name of the flower and height data and other dimensions. The page number of the fuller species description follows.

The index is more readable than most with lines dividing the species. The reader is directed to the colored picture as well as the descriptive piece on each species.

The cheerful, yellow-bound book has 862 pages including the index and is about an inch thick. It is a little heavy to carry backpacking, but is fine for shorter trips. The western region includes Utah and her neighboring states as well as California, the Northwest and Alaska.

If you have not seen this guide, it would be well to look at it before purchasing a general guide. It is a joy to peruse wildflower books, whether they be technical and strictly botanical descriptions or colored picture versions. The Audubon Guide will help you find a good many of your unidentified flowers.

NEW PUBLICATION: "OLD GROWTH FORESTS/  
A BALANCED PERSPECTIVE"

This 133-page report includes papers and summaries of panel discussions from a conference held in Eugene, Oregon, February 12-14, 1982. The conference covered three major aspects of the old growth issue -- ecological, sociological, and economic -- and included discussion of the implications for forest management and policy. A wide range of views is represented, including the forest products industry, the scientific community, environmentalists, wildlife groups, and public agency management. Cost of the proceedings is \$15. Order from:

Bureau of Governmental Research  
P.O. Box 3177  
Eugene, Oregon 97403-0177

THREATENED AND ENDANGERED PLANTS OF OREGON:  
AN ILLUSTRATED GUIDE, by Bob Meinke

The long-awaited guide is now available from:

Endangered Species Office  
USFW Service  
500 NE Multnomah Building  
Portland Oregon 97232

No charge, 352 pages.

THE NPSO WELCOMES ITS NEW MEMBERS:

CORVALLIS CHAPTER

Joseph A. Antos  
Kevin Brown  
Thomas G. Chastain  
Leonard B. Coop  
Scott J. Craig  
Tom Dudley  
Charles B. Halpern  
Christine C. Johnson  
Paul J. Johnson  
Elaine Joyal  
Allison Louma  
Dan Louma  
Catherine A. MacDonald  
Teresa Magee  
Robert J. Meinke  
Grant G. Mitman  
Laura Morrison  
Soozie Nebenzahl  
Paula W. Reid  
J. Douglas Ripley  
Mark Stern  
Richard H. Trojan  
David E. Walter  
Jeff Witcosky

PORTLAND CHAPTER

Susan C. Bodin  
Judy Cohen  
Melinda Francis  
E. Linnea Glennie  
David Green  
Steve & Sandra Kuziemski  
Janet E. Lindgren  
Caroline Lindstedt  
Marcella & Steve Nelson  
Beatrice R. Neuburg  
Ralph Osier  
Jan Patton  
Liz Rapp  
Leslie Tose  
Rita T. van Deene

SISKIYOU CHAPTER

Jill Brenkman  
Ole T. Helgerson  
January Jennings  
June S. McDonald  
Barbara Mumblo  
Jean & Paul Richardson

WILLAMETTE VALLEY  
CHAPTER

Lucile M. Brady  
Mike Chilton  
Gordon & Kathy Fairley  
Lucile Housley  
Marcia Morse  
Claire A. Puchy

BLUE MOUNTAIN CHAPTER

Vernice Irish  
Elaine M. Maize

EMERALD CHAPTER

Gail H. Christy  
Suzanne Cicutat  
Evelyn Everett  
J. W. Gerdemann  
Linda Parker  
Norma H. Pfeiffer  
Ivan Robertson  
Peggy Robinson

HIGH DESERT CHAPTER

David M. Danley  
Denise J. Harvey  
Suzanne Schock  
Joseph M. Welch

EARLY EXPERIENCES OF A BOTANIST, by L.F. Henderson  
continued from May 1982 Bulletin

- Section 9 -

I botanized, Indians or no Indians, 'till about 9:00 p.m., then camped for the night. As we were finishing our hasty supper, I looked up at one of the near ridges, and there sat a young Indian buck, painted as for war, and staring down at us. I called Kirtley's attention to him, and said, "No use to beat a retreat now. Probably there are more near him. We will go to bed, put out our fire with water, and divide the night 'till 2:00 a.m. into 4 short watches. The man awake sits with rifle on his knees." Thus, we each got about 2 hours' sleep and a watch of two long separate hours.

Luckily we had cooked enough for breakfast the night before. We literally bolted this, had our packs and saddles on in a jiffy, and were soon on our way again for Birch Creek, about 20 miles further up the stream. We reached the creek about 5:00 p.m., due to collecting, made a hasty supper, and then pushed on right towards the Lemhi Indian Reservation, but at the same time towards the Lemhi River and many farms and villages. We thought it better to travel all night, if our poor animals could stand it as well as could we. At 1:00 a.m. that night I stopped for Kirtley to catch up with the horses, as we had each divided the night tramp into what we thought 10 mile units. When he caught up with me, the horses could hardly lift one foot after the other, not to be wondered at when we had been 22 hours on the road with almost no food for them, and never "packs off." "Here is good grass, and here we stay, but we must be up in about 2 or 3 hours, at daylight." We hobbled our horses, rolled into our blankets, and were asleep. So tired were we that we did not stir 'till 11:00 a.m. next morning! "If the Indians had come along, they would have had time to have cooked and eaten us before we woke up!" laughed Kirtley.

Not waiting for breakfast, we hastily got started and took to the bottoms away from the road. As we neared the Agency Buildings, we thought it queer we had met no Indians, and feeling pretty sure that Indians about to fight would be off the Agency grounds, while whites would probably have assembled there, we made a break for the houses. When we reached them, with ourselves and our horses winded, scattering flocks of young Indians on our way, the Agent appeared at the door, and laughed when told what we had heard. No Lemhi Indians were on the war path, but many of them had gone on a month's hunt and had painted for this purpose as they always do. Thus ended most ingloriously our Indian war!

So we proceeded a few days more toward Salmon City, botanizing thoroughly to make up for lost time, and after a couple of weeks collecting in the mountains and plains of Salmon, I sold my horses and Kirtley and I started by stage and train for Moscow and the University. I continued collecting thoroughly for a few years in Northern and Southern Idaho, when a disastrous fire swept off our large university building, and with it went all equipment and my herbarium, which had taken 25 years to make and was one of the joys of my life. Soon after this, I resigned from the University, sold, or rather I may say, gave away, my large fruit farm seven miles from town, and moved in 1911 to Hood River, where our old house and fine orchard now awaited us. Here we lived and here I labored, 'till in 1924 I received an offer to come as curator of the herbarium to the University of Oregon.

And these past years have been one of the pleasantest periods in my life. My work has been -- take care of the herbarium, name and mount thousands of plants to increase it, which takes all of late fall, winter, and early spring. My summer duties were trips into every part of Oregon, collecting for the herbarium and exchanging. In 1926 I worked in Curry and Josephine

Counties; in 1927 I went all over Malheur and Harney; in 1928 I started working in Lake and Klamath Counties, but went into the hospital, and one of our students completed my work for the year. In 1929 I took all the coast counties, from Curry in the south to Clatsop in the north; in 1930 I took up Douglas, Josephine and Jackson; in 1931 owing to lack of funds, I did only a little work in Lane and Deschutes Counties. As my travelling conditions were infinitely easier since coming to the University, I had no severe experiences during these years.

In conclusion let me call your attention to one year which needs only to be mentioned in this lecture. In 1900 I was granted my sabbatical year at the University, and spent it in study at Harvard and at my own Alma Mater, Cornell. It was perhaps the most enjoyable year I ever spent in my life. Professor Piper, a good friend of mine, had his sabbatical year at the same time and had preceded me to Cambridge. Here we worked together nearly a year, and here we both wrote up and published many new species of plants. But our time was not spent altogether at the laboratory. Together, the four of us, he and his wife, my wife and I, visited all the historical places in and about Boston, whenever Sunday came around, or a vacation was given, diversifying this at times by trips to the ocean beaches and their famed restaurants. We were both delighted to have yearly invitation to the meetings of the New England Botanical Club, and once we were included in an invitation to take breakfast, the hundred or more of us, at the magnificent home of Professor C.S. Sargent, and then to be taken all over his grounds, 20 acres in extent, in the heart of beautiful Brookline, and there enjoy with him his Rhododendrons gathered from every part of the world, and just then in bloom.

A few of these trips to the environs of Boston and to neighboring towns stand out in my memory today. One we spent in old Salem, with its quiet streets shaded by giant elms whose branches interlaced from opposite sides; Hawthorne's "House of Seven Gables," sitting in a street which seemed almost deserted; the Old Witch House in which many a poor innocent was tried and convicted for witchcraft; and several old houses, built long before the Revolution, and kept in good repair by societies and city government. Then there was to me the red letter day when we started at Washington's Elm in Cambridge and partly by street cars, partly on foot, the four of us traced the advance of the British through Lexington to Concord, and their succeeding disastrous retreat.

After dinner in Concord, while the other three visited the homes of many celebrities in the city, I bent my steps alone to Walden Pond, a mile or two from town, to visit the spot where Thoreau lived and wrote so many years. Walden was as smooth as a pane of glass. All around me, in the surrounding woods, were the families of probably the same birds and squirrels about which the "Sage of Concord" wrote so entrancingly. Just at one end of the pond, or lake as we would call it here, I found the site of Thoreau's old home, or cabin as he called it, and there were the remains of the old chimney he himself erected. Every remnant of the house was gone, but I followed the custom, found a washed pebble the size of my fist, and added it to the heap. Then, as I retraced my steps to Concord in the rays of the fast descending sun, and in a stillness so profound I could hear all the voices of Old Mother Earth to a quarter of a mile away, it seemed as if the spirit of the great seer, poet, and philosopher accompanied me to town and gave me his benison as I once more crossed the threshold of civilization and mankind.



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The Editor  
Native Plant Society of Oregon  
Department of Biology  
University of Oregon  
Eugene, Oregon 97403

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#### CHAPTER PRESIDENTS

Blue Mountain: Harry Oswald, Box 459, Pendleton OR 97801, 276-2292.  
Corvallis: Esther McEvoy, 3290 SW Willamette, Corvallis OR 97333, 754-0893.  
Emerald: Charlene Simpson, 2455 Alder St., Eugene OR 97405, 686-1094.  
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Willamette Valley: George Schoppert, 11265 Phantom Ln. SE, Stayton OR 97383, 859-2613.



Chimophila  
menziesii

little prince's pine