



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. 5

MAY 1983

**ANNUAL MEETING MAY 14 AND 15!**

See April Bulletin for the complete details  
of the meeting and for field trip descriptions.

NPSO ANNUAL MEETING: SCHEDULE

Friday, May 13. Registration 5-10 p.m. Lodg-  
ing for early arrivals.  
Saturday, May 14. Breakfast 6:45 a.m. Regis-  
tration 8-10 a.m. Field trips (a choice):  
9:00 a.m. Mt. Baldy in the Coburg Hills,  
led by Herm Fitz.  
9:00 a.m. Lane County Coast, led by Alan  
Curtis and Mike Kaminski.  
9:00 a.m. Finley Wildlife Refuge, led by  
Robert Meinke.  
11:00 a.m. Spencers Butte, led by Rhoda Love.  
3:00 p.m. Willow Creek Wetlands, led by  
Jimmy Kagan.

6:00 p.m. Buffet dinner followed by the Annual  
Meeting and program speaker, Dr. Franklin  
"Herm" Fitz.

Sunday, May 15. Breakfast 8-11 a.m.  
9-12 noon. Board Meeting, U of O Campus.  
10:00 a.m. to 3:00 p.m. Mt. Pisgah Wildflower  
Gala.

Annual Meeting Field Trips:

Annual Meeting field trips will depart from the  
Bean Complex Parking Lot, UO Campus, at the  
corner of 15th and Moss Streets. Enter the cam-  
pus via Agate Street, off Franklin Blvd. which  
borders the campus to the North. Carpooling is  
encouraged. Departure times are listed in the  
above schedule. Participants on the Finley Wild-  
life Refuge field trip have the option of leaving  
Eugene at 9:00 a.m. or meeting at the Refuge  
Headquarters at 10:00 a.m. Participants on the  
Spencers Butte trip can also participate in the  
Willow Creek Wetlands field trip later the same  
day. As of this writing many of the trails have  
standing water or are muddy from an unusually  
wet Spring. Wear appropriate footgear. Bring  
sack lunches (your own or pre-order through the  
UO dormitory food service) and lunch beverage.  
Most field trip sites do not have available water.

OPEN GARDEN INVITATION

Ken and Robin Lodewick, Emerald Chapter members,  
extend an invitation to State NPSO visitors to  
view their garden at 2526 University Street.  
Their phone number is 344-6533. Open garden will  
be Friday, May 13, at 7:00 p.m. and Saturday,  
May 14, at 9:00 a.m. The Lodewicks have written  
a Field Guide to the Genus Penstemon. Their  
garden shows many native penstemons and other  
native plants.

Election and Questionnaire Results: see p.2

LOOK AT YOUR MAILING LABEL

We in the distribution department are  
attempting to impliment a system to help out  
over in the membership department. In the  
upper right-hand corner of your mailing label  
should be either a number or an abbreviation:

- 83: you have paid your dues for 1983  
84: you have paid your dues for 1983  
etc.  
\*LIFE: you are a life member  
\*EXCH: you receive the Bullitin as an  
exchange for your publication  
\*COMP: you receive complimentary Bulletins  
\*note: the same symbols are used in the  
1983 directory

If you do not agree with the mailing label,  
please inform Mary Falconer, Membership Chair,  
of the correct information. See back cover  
of the Bulletin for Mary's address.

NPSO 1983 DIRECTORY AT ANNUAL MEETING

If your courageous editor is up to her  
deadlines, the NPSO membership directory for  
1983 will be available at the Annual meeting.  
If you do not pick up your directory at the  
meeting, it will be mailed to you and will  
reach you sometime in late May or early June.

The directory will be arranged alphebetically  
by last name or name of organization.  
Abbreviations will be used to indicate NPSO  
chapter affiliation and complimentary or  
exchange memberships. LAV

BULLETIN EDITORSHIP PASSES  
FROM LINDA TO JULIE AFTER THE JUNE ISSUE

Linda Vorobik of Eugene, who has done a splen-  
did job editing our Bulletin for the past 2  
years, will be retiring after the June issue.  
Julie Kierstead of Troutdale will take over  
our July Bulletin. I'm positive that all NPSO  
members agree with me that Linda has been a  
most superb editor. Linda, we'll miss you and  
we wish you the best of luck in your career in  
botany and art. And I look forward to working  
with Julie, another fine botanist and artist.  
Many thanks to Linda and to Julie. NPSO is  
lucky to have you both.

Rhoda Love, President

## ELECTION RESULTS

The results of the 1983 NPSO statewide elections are final. You have chosen the following officers for 1983-84:

President, Rhoda Love, Eugene  
Vice-President, Wilbur Bluhm, Salem  
Secretary, Linda Johnson, Eugene  
Treasurer, Nadine Smith, Eugene

The following at-large Board Members were elected to 2-year terms to expire in 1985:

Virginia Crosby, Lakeview  
Alan Curtis, Eugene  
Marge Ettinger, Bend  
Shep Wilson, Portland

I am very pleased to be able to serve one more year as president of our Society, and I am most gratified to have such a fine group of fellow officers and board members to assist me.

I wish to thank our nominating committee: Veva Stansell, Chair, Ruth Hansen, Jacque Greenleaf, Juanita Manley, Harry Oswald, Darlene Southworth and Mariana Bornholdt for finding such a fine group of candidates. Thanks to everyone who was willing to run for office. Thanks to all our members statewide who voted. All of you active individuals across Oregon make our society strong.

Sincere thanks too, to Anne Kowalishen, retiring Vice-President, and to Paula Vincent, retiring Secretary, for their invaluable contributions to NPSO; and to retiring board members Cynthia Roberts and Veva Stansell for all their hard work. It is a certainty that all of the above will continue to be active members.

Ballots were tabulated by Emerald Chapter members Linda Vorobik, Charlene Simpson and Leighton Ho.

Again, thanks to all you active NPSO-ers. I look forward to a fine year ahead. See you all at the Annual Meeting in Eugene May 14-15.

Flowers Forever,  
Rhoda Love, President

NPSO BOARD MEETING  
Sunday, May 15, 1983 - 9:00 a.m.  
University of Oregon Campus

Dear NPSO Board Members & Committee Chairpersons:

We will have a short business meeting on Sunday morning, May 15 before going out to the Mt. Pisgah Arboretum Wildflower Show. All major reports, including Chapter reports, will be given at the dinner meeting Saturday evening, May 14. (Please bring a written summary of your report for the secretary if possible).

Chapter Presidents: please be prepared to report on notecard sales in your chapter and on your chapter's progress (if any) toward achieving tax-exempt status, as well as other chapter activities. Please be as brief as possible.

The agenda for the business meeting is very short this time, and I feel sure we can get through it in less than an hour. If you wish to suggest items for the agenda, please write or call me before the meeting. Any NPSO member is welcome to attend any Board meeting.

I look forward to seeing you May 14 and 15 in Eugene!

Flowers forever!

Rhoda Love  
President, NPSO

## QUESTIONNAIRE RESULTS

Bulletin items are ranked by the results of the 74 questionnaires returned. The items were scored in the questionnaire from 3 (high, desirable) to 1 (low, not so desirable). The average scores are presented here. It is good to see that as a group we are very concerned with protecting our endangered plant species. Congratulations to Herm Fitz for being such a popular contributor with his Plant Family Profiles!

Conservation alert, endangered plant	2.8
Plant family profiles	2.7
Taxonomic notes (name changes)	2.6
Identification tricks	2.6
Interesting plant discoveries	2.6
Chapter field trip reports	2.6
Ecological notes	2.5
Other chapter news	2.5
Conservation news	2.5
Conservation alert, general	2.5
Plant illustrations	2.3
Botanical history (Oregon)	2.3
Botany job announcements (Pacif. NW)	2.3
Beginner's botany	2.2
Book reviews	2.2
Native plant gardening	2.1
Wild flower photography	2.0
Conservation essays	1.9
Botanical history (general)	1.9
How to make specimens	1.7
Nature scenes	1.7

### Native Plant Society of Oregon T-Shirts

Phil Ingallinero and Nadine Smith, Emerald Chapter, are working on design and production of T-shirts featuring a Trillium and NPSO identification to be offered for sale at the Annual Meeting.

### AN INVITATION FROM THE MT. PISGAH ARBORETUM, LANE COUNTY

The Mt. Pisgah Arboretum, located just minutes from Eugene-Springfield, Oregon, invites all NPSO members to visit. If you are unable to attend the Arboretum's Wildflower Show and Plant Sale on Sunday, May 15, the Arboretum hopes you will visit the next time you are in the area.

The 118-acre Arboretum is located on the west slopes of Mt. Pisgah on the banks of the Coast Ford of the Willamette River. This is east of Lane Community College, just off Seavey Loop Road (see map).

1983 is the Arboretum's 10th Anniversary Year; the volunteer organization which is developing the Arboretum was incorporated in 1973. Arboretum volunteers are thrilled with their progress so far and believe Mt. Pisgah to be the fastest growing facility of its kind in the Pacific Northwest.

Progress to date includes: construction of approximately 6 miles of trails with wooden benches and bridges, parking and picnic area construction, establishment of a small headquarters building, publication of maps, plant and bird lists and self-guiding trail guides for adults and children, and clearing of brambles and poison oak.

continued on next page

The latter activity has resulted in a spectacular reward. As the shrubby species have been removed, wildflowers have been "released" from competitive crowding and shading and have experienced a renaissance! The Arboretum now is truly a flower lover's delight! Except for a few heavily forested areas, the hillsides, meadows, and plateaus of the 118-acre Arboretum are literally carpeted with flowers in the spring. You will enjoy fields of camas, fawn lillies and trilliums. Hillsides are covered with baby-blue eyes and cat's ear. The banks of a former river channel glaze with the blue of larkspur. (And even the Douglas fir forest blooms with fairy slipper, coralroot and rattlesnake orchid!) Approximately 300 species of vascular plants have been catalogued at the Arboretum so far.

This year, on May 15, the Arboretum will host its 3rd Annual Wildflower Show and Plant Sale and in October an Arboretum Mushroom show will take place. Wildflowers in the Arboretum will be collected from throughout Lane County by Freeman Rowe and students from Lane Community College. At least 200 species of wildflowers can be expected to be on display for May's show.

The Arboretum receives no public monies and has been developed so far with private donations and with volunteer labor. The Arboretum would very much appreciate your donation or membership if you would care to contribute. Membership entitles you to free copies of all Arboretum publications and the quarterly newsletter, Tree Time. The Arboretum is open to the public every day from dawn to dusk and admission is free.

The Arboretum invites you to visit and enjoy its lovely plants and varied ecosystems, and you are encouraged to join if you like what you see and wish to take part in the future development of this very fine facility which will belong to the people of Oregon and the Northwest.

Rhoda Love  
Former Administrative Assistant  
Mt. Pisgah Arboretum  
Box 5621  
Eugene, Oregon 97405

Willamette Valley

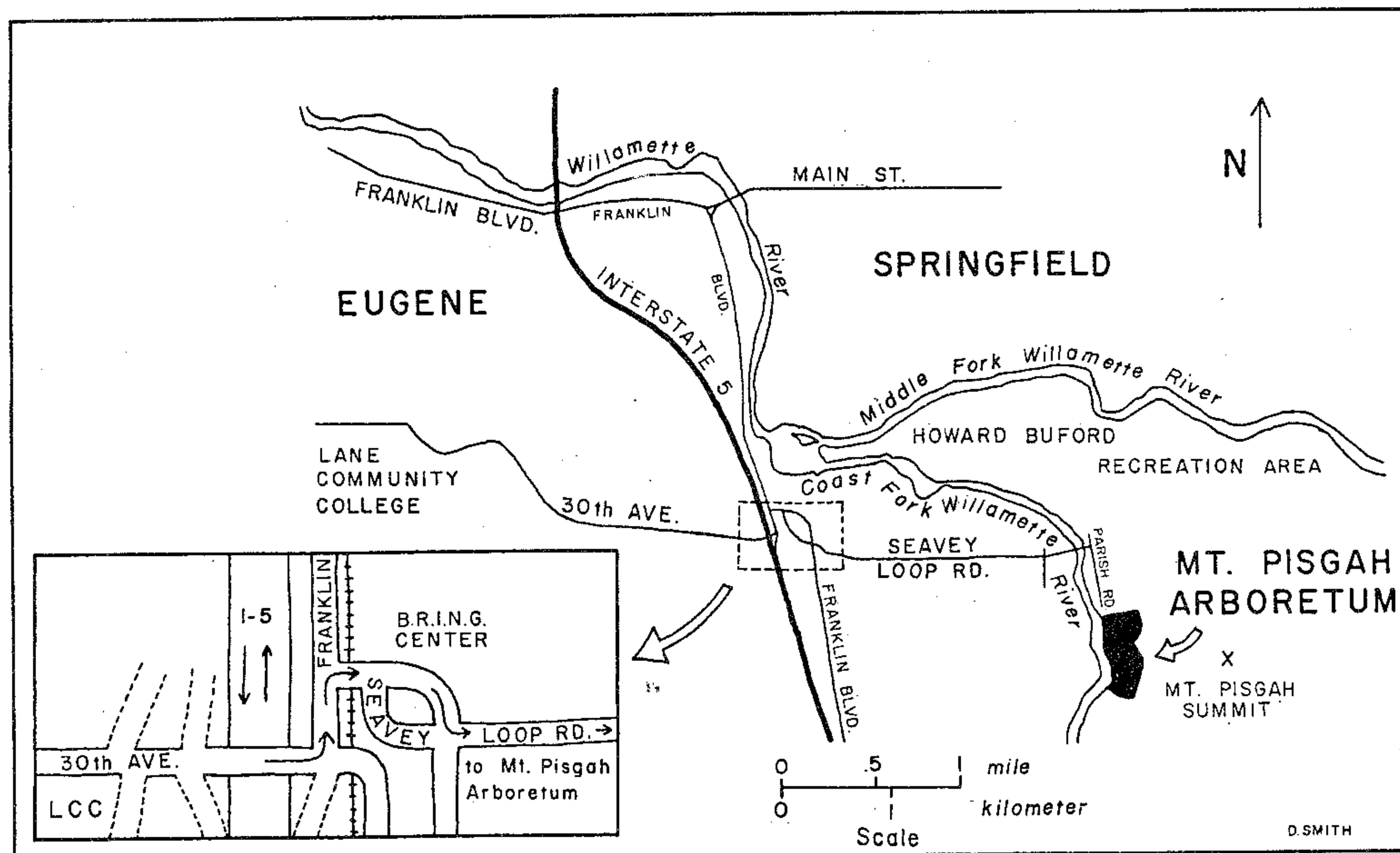
An exhibit of native plants of the Willamette Valley will be sponsored by the Willamette Valley Chapter on Mother's day Weekend, May 7 and 8, at Silver Falls State Park. Hours each day are 9:00 a.m. to 4:00 p.m.

This annual event began in 1978 when Blanche Sweger of Silverton furnished all the plants for the show from her own property. These were dug up, carried to the Lodge in tubs, buckets and kettles, and later returned to her garden. Although the weather was miserable for that first Mother's Day show, Blanche recalls, about 700 visitors came to see it. By 1981 more than 2,000 persons representing 17 states and 9 countries, were in attendance. Each year Blanche spent several days gathering the wild plants, transporting them to the Park and arranging them in the Lodge, resorting to cut specimens as the exhibit grew. During the past two years the work was increased by replenishing specimens for a repeat show during the following weekend, and hours set aside for visits by school children during the week.

Beginning this year members of the Willamette Valley Chapter will assume the preparation and staging of the Mother's Day Show under Blanche's guidance. The exhibits will focus upon the native flora of the Willamette Valley. It will be staged in the Lodge at Silver Falls State Park.

South Central Oregon

A Wildflower show will be held on May 20 (Friday), and May 21 (Saturday) at the Lake County Community Center, 11 North G Street, Lakeview, Oregon. Hours are 11:30 - 6:00 on Friday and 9:00 to 6:00 on Saturday. The show will display over 200 fresh flowers, shrubs, grasses, and trees, according to habitat. There will be exhibits on Indian use of plants, rare plants, noxious weeds, and the Lakeview Nature Trail. A slide show will also be shown. Plants will be mainly from the deserts and forests of Lake and Klamath Counties in south central Oregon.



## CHAPTER NEWS

### CORVALLIS CHAPTER

#### Meeting:

Wednesday, May 18, 4:30 p.m. Rhoda Love will speak on "Hybridization between Native and Introduced Hawthornes in the Willamette Valley." Rhoda did her research at the University of Oregon on this work for her doctorate degree. We will meet in Room 2087, Cordley Hall, Oregon State University.

#### Field Trip:

Tentative fieldtrip to the John Day River Country with Carolyn Wright, May 21 to 22, overnight camping and hiking for spring flowers. If interested call Esther McEvoy, 745-0893.

### EMERALD CHAPTER

#### Meetings:

May 2. Wild Flowers of the Grassland by Tammy Maurer. Tammy is a doctoral student at the University of Oregon Biology Department and also Emerald Chapter Secretary. She has worked on her research in Eastern Oregon grasslands for several years. Business: discuss planning for NPSO Library.

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:

May 9. 7:00 p.m. to dark. Open Garden. A visit to the garden of Ken and Robin Lodewick, 2526 University Street. At peak bloom are many native penstemons, lewisias and other native plants. Call the Lodewick's at 344-6533 for directions.

May 14. Annual Meeting field trips. See April Bulletin.

May 28-29. Rogue River near Wolf Creek, Merlin and Galice on Saturday, and Pilot Rock (Cascades on the Oregon, California border) on Sunday. Visit Linda Vorobik's Arabis study sites and see a great variety of flowering plants on serpentine and other soils. Short hikes only. Leave South Eugene High School Parking Lot at 8:00 a.m. Preregistration required. Call Linda, 686-3033 for directions and camping information.

June 4. Eagles Rest, 17 miles above Lowell. A massive basaltic outcrop with sheer cliffs below. 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 Mtn., Southeast of Cottage Grove. Alan Curtis, leader. More in the June Bulletin.

June 25. Iron Mountain on the South Santiam. An Obsidian trip with leaders, Ken and Robin Lodewick. More in the June Bulletin.

### HIGH DESERT CHAPTER

#### Meeting:

Tuesday, May 31 at 7:30 p.m. This is our last meeting for the spring season. It will be held at the Herbarium on the Central Oregon Community College campus. Location: 2nd floor of Modoc Hall, in the wing that joins Modoc and Ochoco, north of the Library. Harvey Waldron will show us around the herbarium. If you've ever had questions about identifying certain plants this will be your chance to examine neatly pressed and labeled specimens.

#### Field Trips:

Saturday, May 21. We will travel to the Nature Conservancy's Lawrence Grasslands Preserve near Shaniko. This over 400 acre area of Columbia basalt scablands hasn't been grazed in over 60 years and offers a wide assortment of flowers, including several endangered species. We will meet at 8:30 a.m. at the MacDonalds parking lot.

June 18. Black Hill - Lost Forest - Sand Dunes area, with BLM Botanist Virginia Crosby.

July 9. Iron Mountain. Marge Ettinger will lead.

July 30. Gold Bog, with Jack Schwartz.

August 13. Broken Top Area. Stu Garrett will lead.

### PORTLAND CHAPTER

#### Meeting:

May 10, 7:00 p.m., First United Methodist Church. The program will be uncommon plants in the Mt. Hood National Forest. Rick Brown will present the program.

#### Field Trips:

May 7. Forman Point. Dr. John Hammond, leader. Carpool 7:00 a.m. in the Dep't. of Motor Vehicles parking lot, NE 60th and Glisan, or meet at the rest stop in Government Camp at 9:15.

May 14. NPSO Annual Meeting.

May 21. Smith Rocks. Glen Walthall, leader. Carpool at 7:00 a.m. in the DMV lot as above or meet in the Smith Rocks State Park parking lot at 10:00.

May 28. Kalmiopsis Area. George Lewis, leader. Meet Saturday noon in the parking lot of Cave Junction Inn, thirty miles south of Grants Pass on US 199 for this two-day Memorial Day weekend field trip.

June 4. Tighe Creek Area. Rick Brown, leader. Meet 7:30 a.m. in the DMV lot as above. Rick plans a loop trip within the proposed Badger Creek Wilderness.

CHAPTER NEWS, continued

SISKIYOU CHAPTER

Meetings:

May 12. Plants of the Wallowa Mt. Range. A slide program by Joan Seevers, Medford District botanist, and Rick Pruz, forester. A rich sampling of the flora and unique habitat in the heavily glaciated Wallowa mts. of northeast Oregon. 7:30 p.m., Room 171, Science Bldg., SOSOC.

June 9. Dwain Goforth of the Northern California Native Plant Society will talk on his work on Arabis and other flora in the Smith River country in northern California and the impact of the Gasquet mining.

Field Trips:

May 14-15. NPSO Annual Meeting, Eugene. Call Wayne Rolle to arrange rides 482-0093.

May 14. Applegate Area. Easy walk on private land and picnic. Meet at Ashland Bi-Mart 9:00, and Medford K-Mart at 9:30. Dave Garcia 899-9039.

May 28, 29, 30. Lemmingsworth Gulch and Oregon Coast. Newly proposed research natural area with extensive Darlingtonia bogs. Car Camp. Meet at Ashland Bi-Mart 8:00 and Medford K-Mart at 8:30. Dave Garcia 899-9039 or Wayne Rolle 482-0093.

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.

Workshop:

May 7. Threatened and Endangered Plants of Southwest Oregon. Joan Seevers, botanist for BLM, will help us familiarize ourselves with some of the many sensitive species found in the Siskiyou and the southern Cascades. We will focus on field characteristics, habitat preference, associated species and known locations. Slides, drawings and herbarium specimens will be used. 9:00 a.m. to noon, Room 171, Science Building, SOSOC.

WREN PRAIRIE FIELD TRIP  
March 17, 1983

The luck o' the Irish smiled on 12 of us from Emerald and Corvallis Chapters when we visited the BLM's Wren Prairie property on St. Patrick's Day. The sun shone warmly and all the expedition memers enjoyed the outing and the break from the rain.

Wren Prairie is a 10-acre BLM parcel scheduled for sale this year. It is the site of an old stage road and is located mere minutes west of Corvallis (T 11S, R 6W, Sec. 28). The parcel is long and narrow with no access to a road and is surrounded by cultivated fields and grazing land.

We found this parcel to be an open, sunny hillside strip with some oak and a small patch of Douglas fir forest. Susie Seyer identified the grasses, of which several (i.e. Festuca rubra) are native Willamette Valley bunch grasses.

WILLAMETTE VALLEY CHAPTER

Meetings: No meetings until September.

Field Trips:

Saturday and Sunday, May 7 and 8, 9:00 a.m. to 4:00 p.m. Silver Falls State Park. Annual Exhibit of Native Plants of the Willamette Valley. sponsored by the Willamette Valley Chapter. Free.

Saturday, May 14. Finley Wildlife Refuge, NPSO Annual Meeting field trip. Carpool at south Salem K-Mart, SE corner, 8:00 a.m.

Sunday, May 15. Mt. Pisgah Arboretum Wildflower Show. NPSO Annual Meeting event. Carpool at south Salem K-Mart, SE corner, 8:00 a.m.

Saturday, May 21. Mt. Hebo, with J. Morris Johnson and WOSC botany class. Carpool at south Salem K-Mart at 7:30 a.m. Or meet at 7:45 on Hwy. 22 and 13 miles west of Salem, at the intersection with Hwy 223, which occurs 3 1/2 miles west of Hwy. 99W. Small parking area is on SE corner of this intersection. Information: 838-3995.

Saturday, June 4. Saddle Mountain. Meet at south Salem K-Mart at 7:00 p.m. for carpool. Or meet at Trailhead in Saddle Mtn. State Park off Hwy. 26 at 10:00 a.m. Leader, George Schoppert (859-2613).

UNIVERSITY OF OREGON HERBARIUM

Legit: L. F. Henderson

*Calypso bulbosa* (L.) Oakes  
Shady woods, coniferous, well up  
Old Creek, Jackson Co.,  
Ore.

No. 12265

Date

Fl. May 4/30

Fr.

Oregon anemone, Saxifraga integrifolia, and Calypso bulbosa were found in bloom.

Corvallis Chapter members will visit Wren Prairie several times during this blooming season in order to compile a species list for the site.

The Nature Conservancy has expressed an interest in purchasing Wren Prairie from the BLM because of its value as a remnant of the native Willamette Valley bunch grass community. So far the BLM has made no public decision concerning the sale. The property could be sold to adjacent property owners in which case it would probably be put to agricultural use.

When the Corvallis Chapter assessment is complete, NPSO will be in a position to comment with regard to the importance of the Wren Prairie site. Bulletin readers will be kept informed.

Rhoda Love, President

The Administration's attitude toward the endangered species program is reflected in a January 31 press release from the Interior Department. The Department takes credit for providing "an increase of nearly \$1 million for 17 high-priority recovery actions involving 40 endangered species." High-priority species are named, but the department only requested an increase of \$514,000 for recovery; the remaining \$416,000 would come from money restored by Congress last year. The press release also ignored mention of \$3 million in state grants and law enforcement money that the Department recommended be eliminated. Instead of the "nearly \$1 million increase" claimed in the press release, Interior's plans for a recovery budget could be better characterized as a net decrease of nearly \$2.5 million.

New and severe cuts are proposed for the US Forest Service and BLM endangered species work, along with drastic increases in timber cutting and other resource development. The Forest Service would have to cut endangered species efforts by \$208,000 and 6 personnel, leaving \$1.1 million and 28 personnel. BLM would suffer even more severe cuts. Allocation of endangered species funds within BLM's wildlife budget is not detailed, but Interior has proposed to cut its budget by 31% to \$10,515,000 and by 89 persons (25%) to 271. These cuts would be exacerbated by reductions in other land management functions, and a great increase in timber cutting support.

What you can do

Adequate funding to carry out Congress' mandate in reauthorizing the ESA is essential. James Watt has said that the Administration would use funding and economy as an excuse to make changes it cannot make legislatively. The Administration's recommendations for funding federal endangered species programs certainly reflect this intent. The Senate and House appropriations committees have the Administration's proposed budget, and the subcommittees have begun appropriations hearings. Markup (subcommittee and committee amendments) of appropriations bills should begin in mid May or early June. Write to Mark Hatfield, R., Senate Appropriations Committee, and Les AuCoin, D., House Appropriations Committee. The Interior Appropriations Subcommittees have authority over the Fish and Wildlife Service, the Bureau of Land Management, and the U.S. Forest Service, even though the Forest Service is actually a part of the Department of Agriculture. (When writing to the Interior subcommittees, refer to and express your support for the testimony given by the National Audubon Society.)

For Further Information

A nine-page report titled "The Endangered Species Budget," may be obtained by sending \$2.00 to the Center for Environmental Education, 624 9th Street, NW, Washington, D.C. 20001. A copy of National Audubon Society President Emeritus Elvis Stahr's testimony before the House Appropriations Subcommittee for Interior and Related Agencies may be obtained from the National Audubon Society, 645 Pennsylvania Ave., SE, Washington D.C. 20003.

[from Endangered Species Act Reauthorization Bulletin, Number 10, April 6, 1983]

Leach Botanical Park, 6704 SE 122nd, Portland, 761-9503. Crews of volunteers are working in the gardens every Saturday at 9:00 a.m. and 1:00 p.m. at Leach Park. More volunteers are needed, bring a pair of gloves and join us ... Oregon Parks Foundation has awarded Leach Garden Friends a grant of \$1000 for our education intern, Bruce Hansen, to carry out environmental science programs to classes of school children ... Any NPSO Chapter would be welcome for a special tour of Leach Park, call to arrange a time. Thanks to Multnomah District #14 Garden's Club's \$10,000 gift, loans from the 40 Mile Loop Land Trust and interested friends, construction of a parking lot on a property adjacent to the Park will begin in May. The Grand Opening of Leach Park home and grounds will be in September '83. Guided tours continue every Saturday at 10:00 a.m. by Leach Garden Friends. A new iris inominata bed, donated by Dorothy Marshall, will be in bloom this spring. Leach Botanical Park's focus on NW native plants makes our relationship with NPSO a very special one.

For further information contact:  
Bette Streitmatter, 761-9503 or 760-6618

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I'd like to be a Friend of Leach Garden.

My name is \_\_\_\_\_

Address \_\_\_\_\_

Zip \_\_\_\_\_

I'd like to donate \$1.00 or more: \$ \_\_\_\_\_

Mail to: LEACH GARDEN FRIENDS  
12924 SE Knapp  
Portland, Oregon 97236

COLUMBIA GORGE APPRECIATION WEEKEND  
June 18 and 19, 1983

The Friends of the Columbia Gorge is coordinating 41 Columbia Gorge hikes in two days in cooperation with 23 hiking clubs in the States of Oregon and Washington.

Here is an opportunity to discover a new trail. There is one for every level of ability. Included are hikes to Angels Rest, Devils Rest, Dog Mountain, Eagle Creek, Hamilton Mountain, Herman Creek, Horsetail Falls-Triple Falls, Indian Point, McCord Creek Falls, Nesmith Point, Oneota Gorge/Triple Falls, Red Bluff, Ruckel Ridge/Ruckel Creek, Silver Star Mountain, Starvation Ridge/Mt. Defiance, Table Mountain, Wahkeena Falls, Multnomah Falls, Wind Mountain and Grassy Knoll, Wygant-Chetwoot, Archer Creek/Beacon Rock, Dry Creek Falls, Horsethief Butte Petroglyphs, Moffett Creek, Nesika Lodge, Nick Eaton Ridge, Tom McCall Scenic Wayside, and Wauna Point. There will also be runs to Tanner Butte and Wahtum Lake, and bike tours along portions of the old Scenic Highway.

All of the planned hikes are led by experts and are thoroughly described in the Gorge Appreciation Weekend Brochure available at key outdoor stores and the Friends of the Columbia Gorge offices, 519 SW Third Ave., Portland, and 1306 Main Street, Vancouver.

Tell your friends about this opportunity to express their appreciation for the Gorgeous Gorge. For further information contact Friends of the Columbia Gorge at (206) 694-6717 in Vancouver, (206) 622-4590 in Seattle, or (503) 241-3762 in Portland.

PLANT FAMILY PROFILES

By Herm Fitz

VOLUNTEERS NEEDED

Malheur National Forest

The Malheur National Forest needs volunteers to aid in its sensitive plant monitoring program. This may be an excellent opportunity for NPSO members to contribute to an increase in knowledge of an important group of native plants, which will help in our efforts to conserve them. Interested persons should contact:  
Robert Alvarado, Wildlife Biologist  
Malheur National Forest  
139 NE Dayton St.  
John Day, Oregon 97485  
(503) 575-1731 (ext. 343)

PARKS AND WILDLIFE WORK PROJECTS

The OEC\* is organizing a series of volunteer work projects, and we'd like you to help. Individuals, families, and groups are invited to join Oregon Environmental Council in showing that we really care about our state's parks and wildlife.

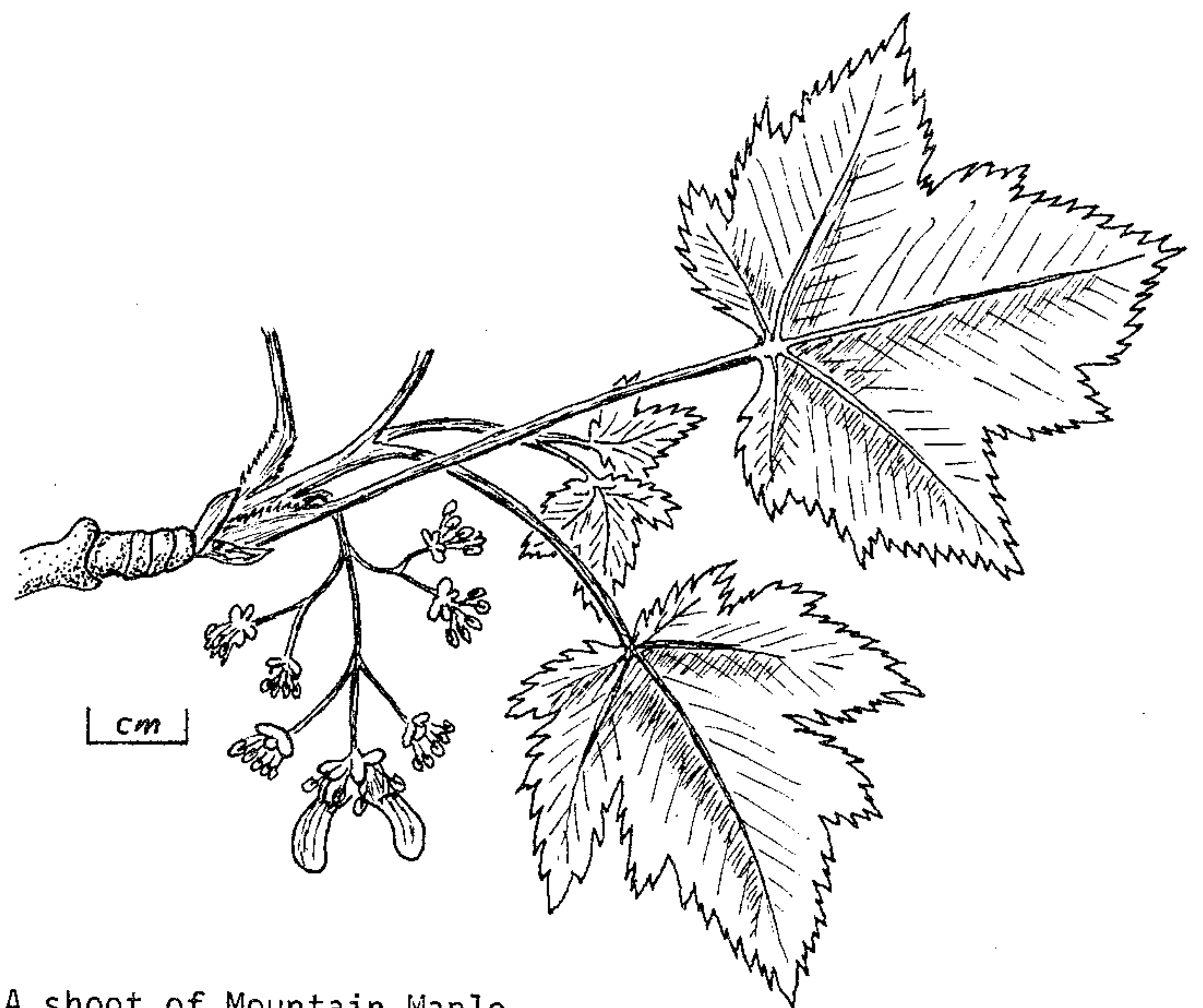
This spring, OEC volunteer work crews will plant trees, clear trails, paint buildings, and pick up litter in state parks in the Columbia Gorge on April 23, and on the Oregon Coast on May 14. Then we'll develop stream-side wildlife habitat in central Oregon on June 4. We hope you'll join us.

Volunteers must provide transportation (OEC will arrange carpools), some tools (shovels, pruning shears), work gloves, food and beverage. The state agencies will provide job supervision and some tools. OEC will provide crew leaders and naturalists, carpool arrangements, advice on camping near the areas, and an orientation talk to your group, if you like.

There is no cost for joining a work crew, but please sign up early so we can arrange crew leaders and transportation. Send the form below to OEC, and we'll send you details on your projects and meeting times and places. If you have questions, call Char Corkran at 643-1349 (day of eve.) or OEC at 222-1963. Let's work together for our state's parks and wildlife!  
\*Oregon Environmental Council

The Aceraceae - MAPLE FAMILY

The Aceraceae, or Maple Family, is a small family of shrubs and trees, some large, a few evergreen, of mountainous and upland habitats of the north temperate regions. Centered in China, this group consists of only two genera and somewhat over 100 species. One genus, *Dipteronia*, with two species, is found only in China. The other, the Maples (*Acer*), with over 100 species, is of enormous geographical range, the evergreen species extending to southern China, to Malaysia and Java. Only four species are found in Oregon outside of cultivation: Bigleaf Maple (*A. macrophyllum*), found mostly west of the Cascade Mountains along streambanks, rivers, and in canyons at lower elevations; Vine Maple (*A. circinatum*), in the same range as Bigleaf, but extending farther from shaded streambanks into damp woods as a member of the understory; Douglas Maple (*A. glabrum* var. *douglasii*) on moist slopes at higher elevations in the Cascade, Blue, and Wallowa Mountains, north to British Columbia, east to the Rockies, and south to California; and Box Elder (*A. negundo*), a native of the eastern United States escaped from cultivation and established in Wallow, Baker, and Malheur Counties.



A shoot of Mountain Maple (*A. glabrum* var. *douglasii*). Note the few-flowered corymbose inflorescence - the terminal flower already beginning to mature a double winged samara, the angle between wings characteristically less than 90°. The leaves are opposite, 3-5 lobed, and coarsely twice serrate.

continued on next page

NAME \_\_\_\_\_ NAME OF GROUP \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
PHONE - Home \_\_\_\_\_ Work \_\_\_\_\_  
NUMBER OF ADULTS \_\_\_\_\_ NUMBER OF KIDS \_\_\_\_\_ AGE OF KIDS \_\_\_\_\_  
WORK PROJECT(S) \_\_\_\_\_  
NEED RIDES (FOR HOW MANY ?) \_\_\_\_\_ HAVE EXTRA RIDES (FOR HOW MANY ?) \_\_\_\_\_  
WILL BRING SOME TOOLS \_\_\_\_\_ WOULD LIKE ORIENTATION TALK TO GROUP \_\_\_\_\_

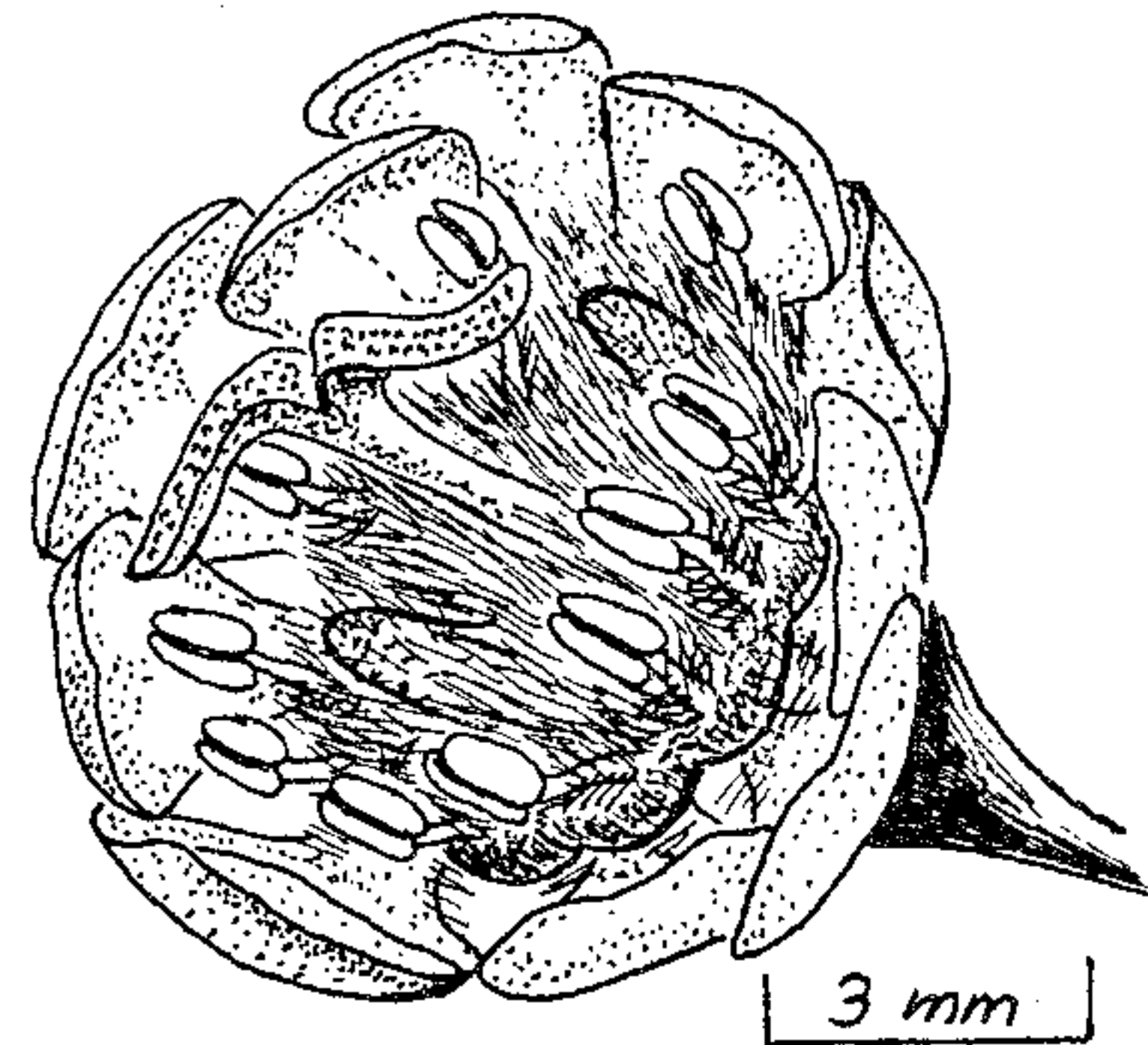
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PLANT FAMILY PROFILES, continued

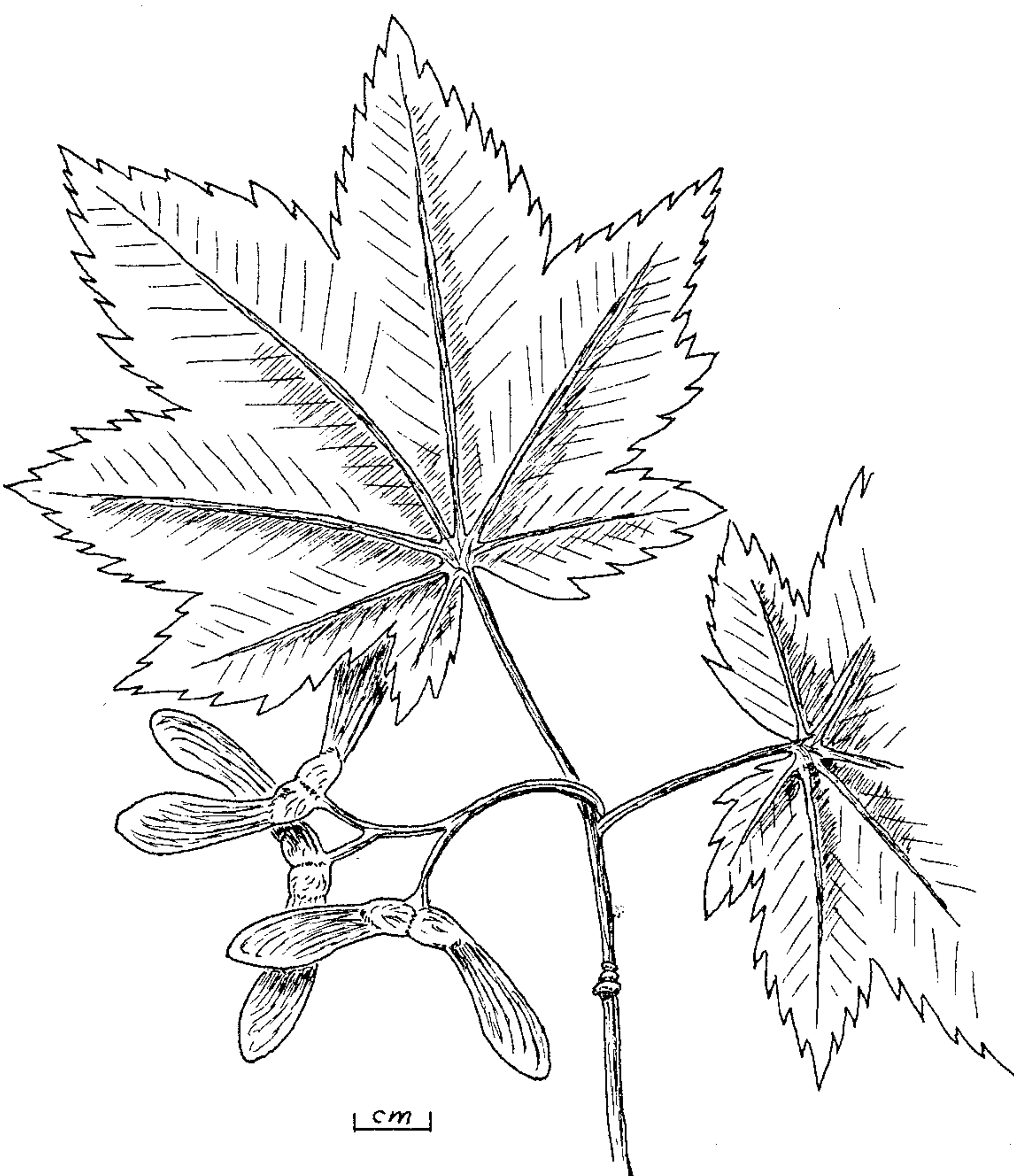
These plants, with sap often milky, are characterized by branches that grow in opposite pairs. Within the entire family, the opposite leaves may be highly variable: simple or compound, entire or deeply toothed, unlobed or deeply lobed, with no stipules. The flowers, borne in corymbs, racemes, or panicles, are regular, and usually bear a "staminal disc," a more or less fleshy, often lobed, usually flat, structure upon which the ovary and stamens are inserted. The perianth parts (sepals and petals) arise from below this disc, and are in series of four or five each, or rarely absent.

There is a tendency in this family toward the dioecious condition (sexes separate on separate plants), and in some species the result has been achieved. Others are "androdioecious," or with staminate and perfect flowers on separate plants; but some remain "andromonoecious," or with staminate and perfect flowers on the same plant (ours). Stamen number is commonly eight, though varies from 4 to 10. The superior ovary consists of two fused, laterally compressed carpels, with two locules, each with two ovules on axile placentation. The resulting paired fruits are samaras, each with a membranous wing.

The beautiful foliage and spectacular autumn colors displayed by many members of this family make them popular as ornamentals; one is used for timber (*A. pseudoplatanus*), another for sugar (*A. saccharum*).



Single flower taken from a raceme of the Bigleaf Maple (*A. macrophyllum*). Note the small perianth parts, the 10-lobed fleshy staminal disc, the 10 inserted stamens upon the disc, with hairy filaments, and the embryonic wings emerging through the dense pubescence. The stigma is bilobed.



A sprig of Vine Maple (*A. circinatum*). Note the angle between samara wings is greater than 90°. The leaves have seven to nine lobes and are only once serrate.



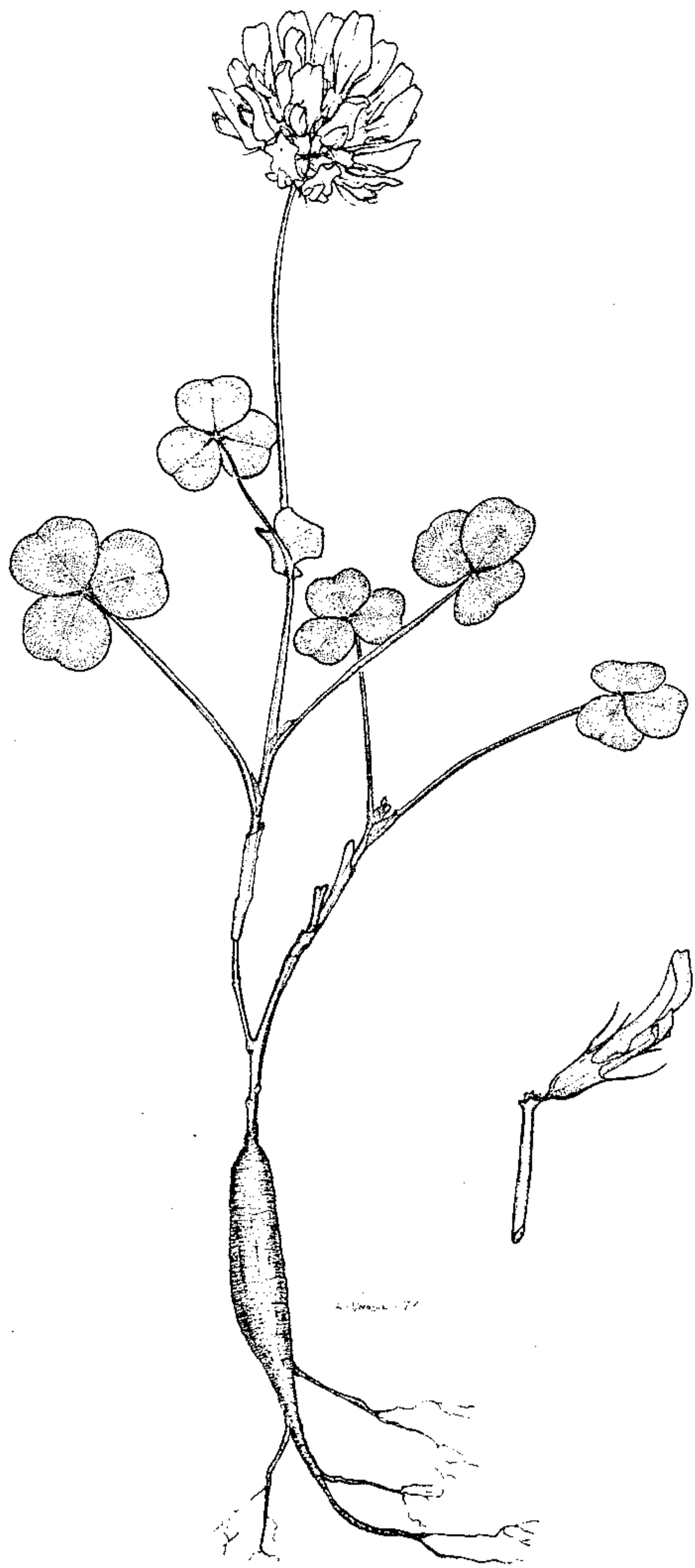
A flowering raceme and developing leaf of Bigleaf Maple (*A. macrophyllum*). Note the deeply five-lobed leaves with entire margins. Inset is mature fruit - a double winged samara.

Because we have three kinds of flowers according to the sexual components, we must write three kinds of formulae:

Staminate (♂):  $Ca^{(0)4-5} Co^{(0)4-5} S^{8(4-10)} P^0$   
 Perfect (♂♀):  $Ca^{(0)4-5} Co^{(0)4-5} S^{8(4-10)} P^{\textcircled{2}}$   
 Pistillate (♀):  $Ca^{(0)4-5} Co^{(0)4-5} S^0 P^{\textcircled{2}}$

Members of this family are easy to recognize: A shrub or tree, with opposite branches, opposite leaves, ours palmately-lobed, entire to coarsely biserrate, with small flowers in racemes or corymbs, exhibiting the staminal disc and a bilobed ovary which develops into a double-winged samara - - is surely a member of the Aceraceae - the Maple Family.





Owyhee clover  
*Trifolium owyheense*

Now that Oregon flowers are in bloom everywhere, what better gift can you give a friend, or yourself, than a package of NPSO notecards?

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Chapters may order cards in lots of 20 packages for \$40.00 from: Charlene Holzwarth (284-3444) 2524 NE 34th, Portland, OR 97212.

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University of Oregon Summer Session

Botanical Illustration  
Instructor: Linda Ann Vorobik, Bulletin Editor  
Biology 199, Special Studies  
June 22 - August 12, Monday and Wednesday,  
1:30 - 4:30 p.m.  
2 credit hours, \$68  
Registration: June 20.

I am very excited about teaching this course, as I will be gone from Eugene for one year after this summer. I need 15 students in order for the course to be offered, so if you are interested, please contact me. I will send you more complete details if you call or write: Linda Ann Vorobik, Department of Biology, U of O, Eugene, OR 97403, 686-3033.  
\*\*\*\*\* Thanks \*\*\*\*\*

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Chimophila  
menziesii

little prince's pine