

Bulletin of the Native Plant Society of Oregon

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 28

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Action Alert!!! -- See two articles on page 80

State News

September

State Board Meeting: In a place and time to be determined.

Chapter News

Blue Mountain

Meeting: No meetings in the summer.

Corvallis

Meeting: No meetings until October, but watch for field trips.

Emerald

Meeting: No meetings in the summer.

July 8, Sat.

Field Trip: Dale McBride will lead a trip to Triangulation Peak, Detroit District, Willamette NF. Trip includes forest and rock outcrop species. Call Dale, 345-1292, for information. Meet at S. Eugene H.S., at 9 A.M.

July 15, Sat.

Field Trip: Toeing the line: sedges, rushes and the elusive *Helianthella californica* (false sunflower) of southern Lane County. Meet at 9 A.M., S. Eugene H.S. Call Bruce Newhouse, 343-2364, for more information.

High Desert

Meeting: No meetings until September.

July 8, Sat.

Field Trip: Metolius Basin. Member of the California Native Plant Society will be in central Oregon and Cindi O'Neil will take them to some of our favorite spots in the Black Butte/Sisters area. Perhaps a hike to the top of Black Butte will be part of

the trip. Call Cindi O'Neil, 389-3085 evenings, for information.

July 22 - 23
Sat. - Sun.

Field Trip: Augur Creek Ancient Forest. This is the last, best stand of old growth ponderosa pine left in central Oregon. It has been the source of a continuing struggle for protection. The Forest Service has agreed to set aside part of this magnificent area as a Research Natural Area. We will have an overnight campout to visit this special spot. Call trip leader Bill Hopkins, 389-3330 evenings, for details.

Aug. 5, Sat.

Field Trip: Broken Top Volcano. This is our annual trek to view the spectacular glaciated scenery and alpine wildflowers in the high Cascades west of Bend. 6 mi. R.T., moderate to strenuous hike, with 1,700 ft. elev. gain. We will do mostly off-trail hiking through the Three Sisters Wilderness, so hikers are limited to 12. **Pre-registration is required!** Call trip leader Stu Garrett, 389-6981 evenings, to sign up.

Mid-Columbia

July 5, Wed.

Meeting: 7:30 P.M. At Stuart and Mildred Chapin's, 464 SW Eyrie Rd., White Salmon, Washington. Lois Kemp presents the plants of Hawaii. Call (509) 493-2823 for information.

July 15 - 16
Sat. & Sun.

Wildflower Show: Our summer wildflower show at Skamania Lodge, Stevenson, Washington. 10 A.M. to 5 P.M. Spectacular display of native Gorge plants that are important to native Americans and even to most of us. These plants are known for their medicinal and food value. Co-sponsored with National Scenic Area USDA Forest Service.

Aug. 2, Wed.

Potluck Barbecue: Our annual potluck barbecue at the Igo's place on Dry Creek Rd.

Sept. 6, Wed.

Meeting: 7:30 P.M. Mosier School. Peter Zika presents the flowers of the Baja.

North Coast

Meeting: No meeting in July.

July 8, Sat.

Field Trip: Gearhart Bog. This the largest contiguous wetland of its type left on the Oregon coast. Part of the bog is newly protected as a Nature Conservancy preserve. Trip leader is Neal Maine. Limited to 12 persons, and **pre-registration is required.** Call Nancy Eid, 861-1837 evenings, for details and to sign up.

Portland

July 1, Sat.

Field Trip: Grassy Knoll. Hike 4.6 mi. R.T. through varied habitat from deep forest to open meadow, with 880 ft. elev. gain. Spectacular views of Columbia River Gorge and surrounding mountains, from the top of the knoll. Driving 140 mi. R.T. Meet at 8 A.M., ODOT, 60th and NE Glisan. Contact Carroll Dubar, 234-4135.

July 9, Sun.

Field Trip: North Santiam Trail. Hike through old growth forest along the Little North Santiam River. Explore forest understory and enjoy views of the Little Santiam, the triple falls of Henline Creek. Hike 4.5 mi. one way (with car shuttle). 900 ft. elev. gain. Meet at 8 A.M., Tualatin Fred Meyer (just off I-5 at Tualatin exit). Contact Mary Vogel, 645-1992.

July 11, Tues.

Meeting: 7 P.M., First Methodist Church, 1838 SW Jefferson St., Portland. Bonnie

Brunkow, curator of Leach Gardens, presents a talk with slides, "Late Summer Wildflowers of Turkey and Mt. Olympus." Room will open at 6:30 P.M. for socializing.

- July 16, Sun. **Field Trip:** Lost Creek Ridge. Follow mile-long, abandoned stretch of the Pacific Crest Trail, with Russ Jolley. See some uncommon members of the Ericaceae (Heath) family. On the way home, stop at Grassy Knoll trailhead to look for *Iliamna rivularis* in bloom. Also stop by the Wind River to find *Epipactis gigantea*. Hike about 1 mi. R.T. Be prepared to walk in shallow water. Driving 130 mi. R.T., 8 mi. on gravel logging road. Meet at 8:30 A.M., ODOT, 60th and NE Glisan, or 9:30 A.M., Oregon side restrooms, Bridge of the Gods, Cascade Locks. Contact Dee White, 227-2581.
- July 23, Sun. **Field Trip:** Bald Mountain. Summer wildflowers. Moderately strenuous hike, 5.5 mi. R.T., about 800 ft. elev. gain. Trip limited to 12 persons. Call Dee White, 227-2581, for reservations, meeting time and place.
- July 29, Sat. **Field Trip:** Leach Botanic Garden. Botany for beginners. Leisurely walk through historic garden, with wide variety of native plants in a natural setting along Johnson Creek. On the way to the garden we will make a brief stop at Beggar's Tick. Take lunch, dress for the weather, take favorite field guides. Experienced botanists will assist beginners. Meet at 9 A.M., ODOT, 60th and NE Glisan, or 10 A.M., Leach Botanic Garden, 6704 SE 122nd Ave. (S. of Foster Rd., on Tri-Met route 17). Contact Charlene Holzwarth, 284-3444.

Siskiyou

Meeting: No meeting in July or August.

- July 1, Sat. **Field Trip:** Anita Seda will lead a trip to Bigelow Lakes. Meet at the Illinois Valley Visitor Center. in Cave Junction, at 10 A.M.
- July 4, Tues. **Wildflower Show:** The Siskiyou Chapter's show at Lithia Park, in the gazebo next to the band shell. We could use help in collecting plants, setting up displays and talking to folks during the day. Call Barbara Mumblo, 899-1812 days, if you can help.
- July 8, Sat. **Field Trip:** Rogue River Trail. Carol Harmount, botanist for the Prospect Ranger District, will lead. Meet at the Crater Lake Fred Meyer's, 9 A.M., or the Prospect Ranger Station, at 10 A.M.
- July 22, Sat. **Field Trip:** Elk Meadow Basin. Wayne Rolle will lead to Elk Meadow Basin, near Cook and Green Pass. Meet at Star Ranger Station, 9 A.M. Some strenuous walking.
- Aug. 26, Sat. **Field Trip:** Steve Fork Headwaters. Ginny Post will lead to this headwaters in the Applegate watershed. Easy, short hike, but lot of driving to the trailhead. Meet at Medford K-Mart (near McDonald's), 8:30 A.M., or Star Ranger Station, 9:15 A.M.

South Coast

- July 15, Sat. **Field Trip:** Roman Nose Mountain and Kentucky Falls Trail. Meet at Reedsport Safeway, on Hwy. 101, 9 A. M. Call Bruce Rittenhouse, 888-9328, for information.

Umpqua Valley

Meeting: No meeting in July.

- July 29, Sat. **Field Trip:** Lookout Mountain, up the Little River drainage out of Glide, to explore

the flora. Meet at BLM parking lot, 777 Garden Valley Rd., Roseburg, at 7:45 A.M., for 8 A.M. departure. Call Allan Romeril, 673-4194, for information.

Willamette Valley

Meeting: No meetings until September.

July 1, Sat. **Field Trip:** Marion/Ann Lakes, at middle elevation in Cascade Mountains. Hike moderate, about 5 mi. R.T. Meet at 8 A.M., S. Salem K-Mart parking lot, 25th and Mission Sts. SE. Call trip leader Wilbur Bluhm, 393-2934, for more information.

Note: The Emerald Chapter encourages WV members to join them on their trip to Triangulation Peak on July 8. Call Jenny Dimling, 465-6321, to set a meeting place closer to Salem.

Wm. Cusick

Meeting: No meeting in July.

July 8, Sat. **Field Trip:** Ladd Marsh wetlands tour. We plan to observe some of the last remnants of Grande Ronde Valley floor plant communities. We hope to compile a species list as we go, that can be used by ODFW in management of this area. Meet at the Forest and Range Lab parking lot, 8 A.M. Call Bob Ottersberg, 963-6043, for information.

July 28 - 30
Fri. - Sun.

Field Trip: Alpine wildflowers in the Wallowas. Paula Brooks will lead this trip into Frances Lake to look at the unique alpine and sub-alpine vegetation that occurs with limestone and marble. Trip will start in Lostine on Friday morning. Prepare for backpack camping in the wilderness. Call Paula, 963-2195, to reserve a place, since wilderness groups are limited to twelve people.

Rebarrow Brush Work: The dead trees on our ten acre forest stewardship plot are a fire hazard in some place. We will be borrowing the Obie wood chipper some time this summer to reduce the fuel levels. Anyone interested in taking part in this project should contact Bob Ottersberg, 963-6043. When we get enough crew together, we will reserve the chipper.

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Each group using wilderness areas should be no larger than 12.

Has Anyone Seen This Plant?

After reading about the penstemons in the recent issue of *Kalmiopsis*, I am inspired to write about an unusual variation of *Penstemon fruticosus* that I have been interested in for several years. At first I tended to ascribe the variety *serratus* to this species, but it is found in the wrong place for that. It is actually on the Warm Springs Indian Reservation in desert habitat, and thriving very well.

This penstemon was in full bloom on the last weekend in April (April 29-30) when we drove to the Reservation and was covering a welded tuff canyon wall with over 200 plants. It was a spectacular sight. Many of the typical *P. fruticosus* can be found in road cuts -- disturbed areas in conifer forests. These on the rock wall have all chosen to be in steep, undisturbed rock crevices, with very few even thriving on a grassy slope nearby, at only 1600 feet. After ten years of photographing and studying flowers around the Reservation (with permission) I have found no other similar population or anything that compares. This population was known to Dr. David French when he collected on the Reservation some 40 years ago, but his findings have never been published.

Not only is the habitat unusual for *P. fruticosus*, but the leaves are very small and deeply serrated - in fact the plant seems prickly to touch. The plants are very vigorous and large, approaching one meter high and two meters across, and they are distributed over an area from roadside to about 60 meters above and 400 meters in length.

Since this is an area that is visible from the highway near KaNeeTa, I would be interested in what others think of this plant. To find it, drive north about one mile on S100, from the Warm Springs bridge near KaNeeTa, to the high narrow tuff canyon known as Hellgate (R12ETO8S Sec. 18). If you park carefully on the roadside you can observe the penstemon on the eastern tuff cliff without permission of the Tribal Council. But any further investigation may require their permission. I am particularly interested in knowing if anyone has found this variation elsewhere.

David French found this penstemon in 1958 and it was determined to be *P. fruticosus* (Pursh) Green (without any variety) by Arthur Cronquist at NYBG in March 1959. This indicates it has been thriving there a long time. This variation of *P. fruticosus* seems stable and remote enough for special research, so I have collected samples for spe-

ciation studies. These have been sent to Andrea Wolfe at Vanderbilt who may require a year to complete this analysis. This may be just a habitat accommodation, but that doesn't satisfy my curiosity.

Marge Ettinger
High Desert Chapter

Corrections to Penstemon Key

In "Descriptive Key To Oregon Penstemons," in the latest issue of *Kalmiopsis*, two typographic errors need correction. They are:

On page 16, entry 16: "Anther sacs hairy..."
It should read: **(in 5 species)**

On page 17, entry 26: "Shrub...bare-looking."
It should read: **(50 - 150 cm. tall)**

Robin Lodewick
Emerald Chapter

Grasses, Sedges, Rushes A Plant Identification Workshop

Hortus Northwest presents its second annual plant identification workshop, a two day refresher course, featuring laboratory and field instruction, at Willamette University in Salem, on July 13th and 14th, 1995. Ed Alverson, ecologist for The Nature Conservancy and NPSO member, will be the field team leader, and M. Lovern Wilson, a plant ecologist, will lead the laboratory team.

Workshop Agenda

July 13	Grasses
8-8:30	Orientation
8:30-12:30	Morning Session (Group 1 lab/ 2 field)
12:30 - 1:00	Lunch (provided)
1 - 5	Afternoon Session (Group 1 field/2 lab)
5:00 - 7:00	Dinner Break (not provided)
7:00 - 9:00	Evening Session

July 14	Sedges and Rushes
8:00 - 8:30	Orientation
8:30 - 12:30	Morning Session (Gr. 1 field/Gr. 2 lab)
12:30 - 1:00	Lunch (provided)
1 - 5	Afternoon Session (Group 1 lab/2 field)

Kathrynn Carrico, 503-266-7968, for information.

Action Alert!!!

Letters need to be sent to Jack Ward Thomas regarding proposed changes to the National Forest Management Act. These changes affect rare plants.

Attention NPSO members (and anyone else). You have until **July 12 to respond** to a serious situation. In mid-April, proposed new forest management rules were published in the Federal Register. Unfortunately, most of us did not hear about these until the end of May. The new rules would gravely alter the way our National Forest biologists manage for rare species and habitats. Among other things, protection would be removed for plants and animals at risk locally, and language would be changed making it difficult to protect habitats from fragmentation.

What can we do? Go, at once, to look at the Federal Register for April 13, "Part II, Department of Agriculture, Forest Service." It is long and obscure, but please read as much as you can, paying special attention to page 18921 and the following pages. Note that "Option I" is the most dangerous option in that it drastically cuts back on protection for locally rare species.

Please express your views as to what these changes would mean for the health and diversity of our forest ecosystems, by writing, **by July 12**, to the Director of Ecosystem Management, (1920; 3 CEN), Forest Service, USDA, PO Box 96090, Washington, D.C. 20090-6090, or to Jack Ward Thomas, USDA Forest Service, PO Box 96090, Washington, DC 20090-6090.

Rhoda Love
Emerald Chapter

Proposed Rules Soften NFMA

On April 13, 1995 the Forest Service published new rules in the Federal Register that could fundamentally change the way national forest land is managed. The proposed rules deal with the forest planning process, which is one of the primary forums available for citizens to influence local forest management. The new rules will alter the basic standards that apply to the protection of forests, land, water and wildlife.

"The original vision of NFMA (the National For-

est Management Act) raised many varied expectations, some of which remain unfulfilled," according to the preamble published with the rules in the Federal Register. The new rules are designed to give more flexibility to forest managers, but flexibility is given at the expense of protective standards that the public can rely on to hold managers accountable.

One of the most significant changes to the proposed NFMA rules involves the "viable populations requirement." This requirement led the Forest Service to protect millions of acres in the Pacific Northwest as habitat for the northern spotted owl. The new rule would remove the requirement that the Forest Service maintain viable populations of all native vertebrate species. Instead, the agency would rely on computer models to indicate how much habitat needs to be protected to provide for sensitive species.

Another important change is deleting the requirement that the Forest Service determine whether lands are suitable for livestock grazing. This rule has never been well-implemented, but many saw the new round of forest planning as an opportunity to limit cattle from riparian areas, hot deserts, erosive soils, and other sensitive areas where livestock clearly never belonged. Unless the requirement to perform grazing suitability analysis is reinstated in the final rule, grazing will likely remain an intractable problem for the foreseeable future.

The Forest Service is now receiving public comment on these proposed rules. You can get a copy of the proposal by calling **(202) 205-1034**. Send your comments **before July 12, 1995** to Director, Ecosystem Management (1920; 3 CEN), USDA Forest Service, PO Box 96090, Washington, DC 20090-6090.

(Reprinted with permission from: Inner Voice 7, 3 (May-June 1995), AFSEEE monthly newsletter.)

Try for the Federal Register in the libraries of the following institutions.

SOSC - Ashland; COCC - Bend; OSU - Corvallis; U of O - Eugene; Pacific U. - Forest Grove; Oregon Inst. of Tech. - Klamath Falls; OSC - La Grande; Linfield - McMinnville; WOSC - Monmouth; BMCC - Pendleton; Lewis & Clark and Multnomah County Lib. - Portland; Oregon State Lib. and O. Supreme Court Lib. - Salem.

Or try other libraries in your area.

Keep Writing!!!

It is difficult to keep up with the threats to existing environmental legislation and new legislative proposals that could dramatically change natural resource policy (state and federal). However, it is very important that we continue to contact our senators, representatives, state congresspersons, president and governor. Please refer to the insert in May's Bulletin that lists contact information for our elected officials and write, call, FAX and e-mail them as frequently as you can. Call the Audubon Action Line (800-659-2622 any time of day) for a recorded update on fast-moving environmental legislation at the federal level.

As of June 5, President Clinton promised to veto the following three pieces of anti-environmental legislation: 1) the rescissions bill that contains the "logging without laws" rider; 2) The House-passed "takings" bill; 3) the "dirty water bill" that would weaken existing laws under the "Clean Water Act" that protect (well, sort of protect) wetlands. Please notify the president and let him know you support his promises and will hold him to them. A major factor that influenced his promise to veto was the number of letters, phone calls, etc. that he received opposing the legislation.

In July, it is likely that the federal Endangered Species Act reauthorization will be considered in the House natural resources committee, and a "takings" bill (1S-605) will be discussed on the Senate floor. Let your representatives know you support the ESA. Notify Senators Hatfield and Packwood that you oppose "takings" legislation. Please contact me if you would like copies of sample letters.

Kate Dwire
Westside Conservation Chair
754-4493 (work) -- 757-7115 (home)

If you no longer have, or didn't receive, the May insert ("Who to call, write or fax") please call the Bulletin editor and a new one will be supplied.

Rare Plant and Animal Booklet

The 1995 edition of "Rare, Threatened and Endangered Plants and Animals of Oregon" will be republished this coming August. Any additions, corrections or deletions need to be submitted by July 15, 1995 to the Oregon Natural Heritage Program, 1205 NW 25th Avenue, Portland, OR 97210, telephone (503) 229-5078, fax (503) 228-3153, ATT: Sue Vrilakas. Changes resulting from the November, 1994, Bend Rare Plant Conference and subsequent comments will be incorporated in this edition. If you have not seen the notes from this conference and would like to do so, please send your request and a self-addressed, stamped envelope to the above address.

We are also seeking illustrations for the cover and text. Although we cannot pay for the drawings which are used, we will give credit to the artist. If you are interested, please submit a good, clean copy to the Oregon Natural Heritage Program as soon as possible.

BOTANY SCHOLARSHIP AWARDED

Jean Davis was a charter member of the Willamette Chapter of the NPSO. After her death, a fund of \$10,000 was set up in her memory. Its intent was to use the interest for a \$1,000 scholarship for a botany student in Oregon each year. The principal has increased to \$12,000, but at current interest rates it is not quite enough for the purpose. A few more donations would certainly be welcome.

This year we had five excellent students apply for the scholarship. Dylan Fisher of Eugene was chosen. He will attend O.S.U. this fall.

Harriet Schoppert
Committee Chair

Wi' sae mony wild roses
Dancin' and daffin'
It looks as tho' a'
The countryside's laffin'.

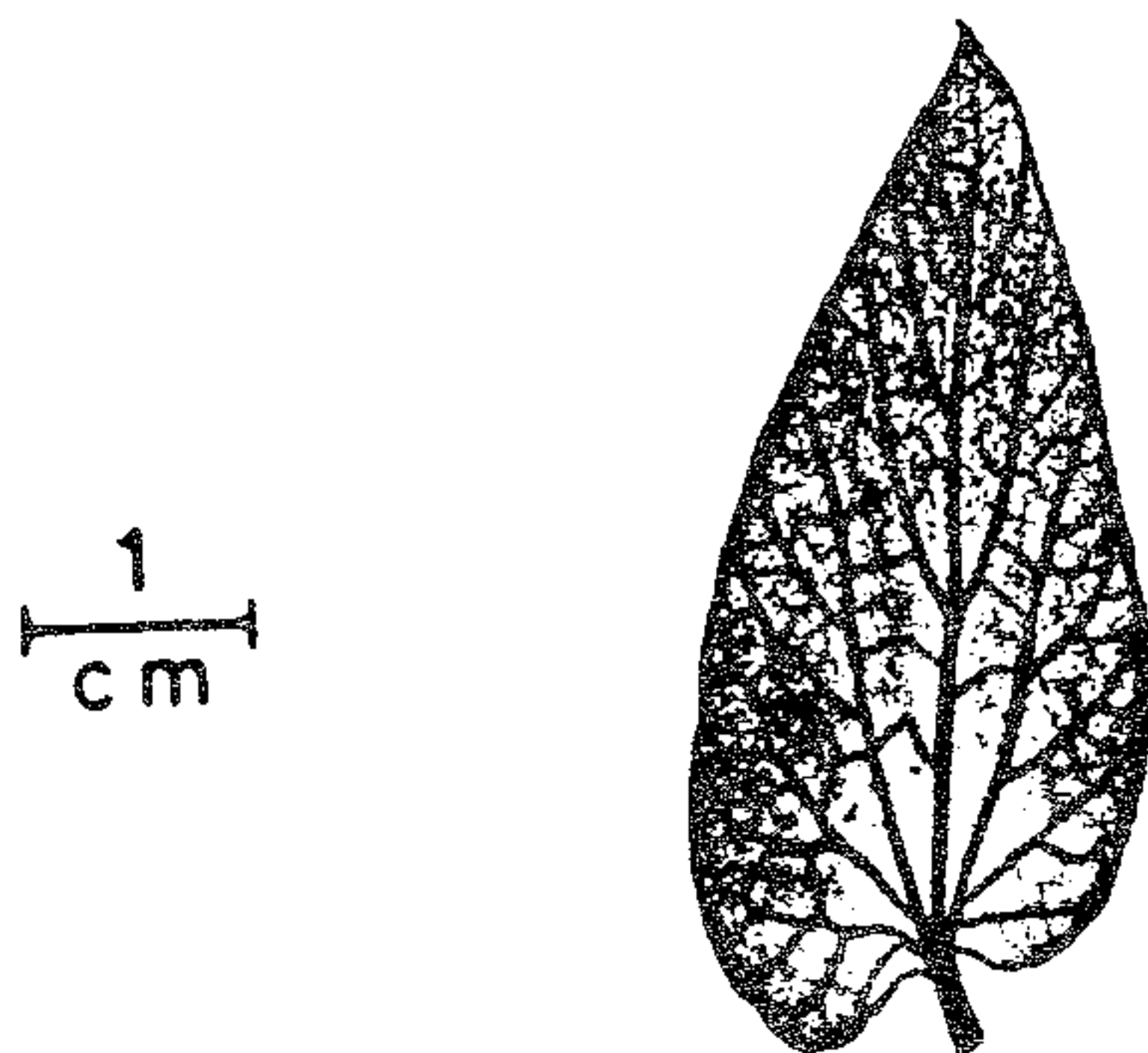
The Plant Puzzle

Sponsored by the Siskiyou Chapter

Can you identify this native woody plant by its foliage? The first person to submit the correct scientific name will win a prize.

Send your guesses on a postcard to:

Peter Zika
4230 NW Clubhouse Pl., #1
Corvallis, OR 97330



Bruce Newhouse was the first to solve the May puzzle: *Viola lobata*, pine violet.

Guidelines for Contributors to the Bulletin

The NPSO Bulletin is published monthly as a service to members and the public. All kinds of contributions welcome. **Copy due by 10th of month.**

CREDITS: Identify author and affiliation. If it is not original, cite the source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints useable. Some McIntosh graphics can be used. Contact editor for current needs, or send with article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form. Use of modem not possible at this time.

ORIGINALS: Items only returned if requested.

NPSO Items For Sale

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers.. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Dr., Bend, OR 97701 (503-389-6981). Individuals may order posters at \$12 each, plus \$3 per order for shipping. Posters are mailed in tubes. Chapter treasurers may contact Stu, for wholesale prices to chapters.

NPSO Window Stickers are decals with NPSO's trillium logo in green over an opaque white background, for use inside car windows. Available from Stu Garrett, \$1, minimum order five.

NPSO Notecards feature seven rare plants drawn by Julie Kierstead and one by Valerie Sloane. They are printed on pastel, parchment-style paper with matching envelopes. Sold through NPSO chapters, they cost \$4 per packet. Contact Lisa Croft, 699 W 2nd, Prineville, OR 97754 (503-447-5270).

NPSO T-Shirts are available in various colors and designs, and are sold through NPSO chapters.

NPSO's Original Wildflower Poster depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item! Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455. \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

NPSO Membership Directory lists names, addresses and telephone numbers of members, as of April, 1995. Available from Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412. \$2 each.

FOR USERS OF THE JEPSON MANUAL

The material on the insert in this month's issue of the Bulletin was compiled by Corvallis Chapter member, Peter Zika, as an aid in using The Jepson Manual.

STATE OFFICERS

DIRECTORS (to 6/97) Dave Dobak, Rhoda Love, Kareen Sturgeon
 DIRECTORS (to 6/96) Jerry Igo, Ethen Perkins, Peter Zika
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 CONSERVATION, WEST SIDE Kate Dwire. 429 SW 10th St., Corvallis 97333; w: 754-4493; h:757-7115
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 BUDGETS AND GRANTS Dan Luoma. 3740 NW Harrison, Corvallis 97330; 752-8860

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 KALMIOPSIS EDITOR David Kennedy. 8394 Wagner Creek Rd., Talent 97540; 535-6383

Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals, and change of address (include old address) should be sent to the Membership Chair

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____
 State _____ ZIP+4 _____
 Phone _____
 Chapter (if known) _____

DUES include monthly *Bulletin* and annual *Kalmiopsis*.
 Full membership is for calendar year, January to December.
 New Renewal
 Student. \$8
 Regular. \$12
 Family. \$18
 Sustaining. \$30
 Patron. \$100
 Life Membership. \$500
 New "Quarter" Membership. \$3
Only for new members enrolled during September through December
 Subscription Only (*Bulletin* and *Kalmiopsis*). \$12
Only for those wishing to subscribe but not have "membership" status

Is this a change of address?
 If so, please write your **old address** here:

Please make checks for dues and contributions payable to:
 NATIVE PLANT SOCIETY OF OREGON

CONTRIBUTIONS to NPSO are tax deductible.
 Jean Davis Memorial Scholarship Fund. \$ _____
 Leighton Ho Memorial Field Botany Award Fund. . \$ _____
 Rare and Endangered Plant Fund. \$ _____

Send completed form and full remittance to:
Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412.

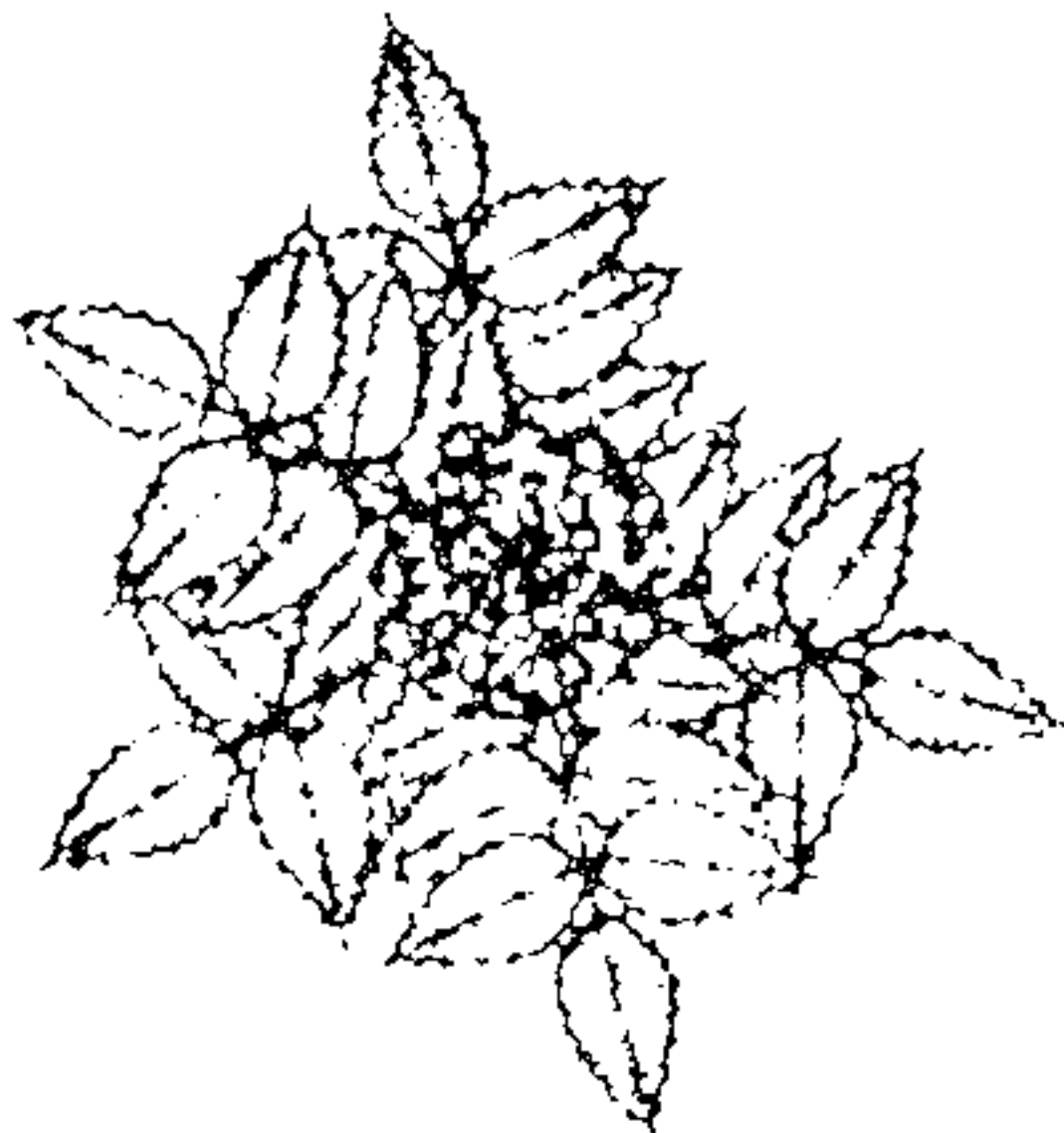
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NATIVE PLANT SOCIETY OF OREGON
General Business Address: P. O. Box 902, Eugene, OR 97440
or correspond directly with the Officers and Committee Chairs listed on the inside back page.
Membership Inquiries Only: Jan Dobak, 2584 NW Savier St., Portland, OR 97210-2412

Send change of address notices
and membership requests to:
Native Plant Society of Oregon
Jan Dobak, Membership Chair
2584 NW Savier St.
Portland, OR 97210-2412

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TIME DATED MAIL

173 California plant families, Jepson Manual

Acanthaceae 125	Elatinaceae 542	Papaveraceae 810
Aceraceae 125	Empetraceae 544	Philadelphaceae 816
Aizoaceae 126	Ephedraceae 114	Phytolaccaceae 818
Alismataceae 1101	Equisetaceae 94	Pinaceae 115
Amaranthaceae 130	Ericaceae 544	Pittosporaceae 819
Anacardiaceae 134	Euphorbiaceae 567	Plantaginaceae 820
Apiaceae 136	Fabaceae 577	Platanaceae 821
Apocynaceae 166	Fagaceae 657	Plumbaginaceae 822
Aponogetonaceae 1102	Fouquieriaceae 1320	Poaceae 1218
Aquifoliaceae 169	Frankeniaceae 664	Polemoniaceae 824
Araceae 1102	Garryaceae 664	Polygalaceae 852
Araliaceae 169	Gentianaceae 666	Polygonaceae 854
Arecaceae 1105	Geraniaceae 672	Polypodiaceae 100
Aristolochiaceae 170	Grossulariaceae 676	Pontederiaceae 1303
Asclepiaceae 170	Gunneraceae 680	Portulacaceae 895
Aspleniaceae 89	Haloragaceae 680	Potamogetonaceae 1304
Asteraceae 174	Hippocastanaceae 682	Primulaceae 905
Azollaceae 89	Hippuridaceae 682	Pteridaceae 101
Balsaminaceae 1321	Hydrocharitaceae 1150	Punicaceae 909
Basellaceae 360	Hydrophyllaceae 683	Rafflesiaceae 910
Bataceae 360	Hypericaceae 708	Ranunculaceae 910
Berberidaceae 362	Iridaceae 1151	Resedaceae 930
Betulaceae 364	Isoetaceae 95	Rhamnaceae 931
Bignoniaceae 366	Juglandaceae 709	Rosaceae 942
Blechnaceae 90	Juncaceae 1157	Rubiaceae 976
Boraginaceae 366	Juncaginaceae 1166	Rutaceae 986
Brassicaceae 392	Koerberliniaceae 710	Salicaceae 988
Buddlejaceae 448	Krameriaceae 710	Santalaceae 1000
Burseraceae 448	Lamiaceae 710	Sarraceniaceae 1000
Cabombaceae 450	Lauraceae 734	Saururaceae 1000
Cactaceae 450	Lemnaceae 1168	Saxifragaceae 1002
Callitrichaceae 456	Lennoaceae 734	Scheuchzeriaceae 1308
Calycanthaceae 458	Lentibulariaceae 735	Scrophulariaceae 1011
Campanulaceae 459	Liliaceae 1170	Selaginaceae 109
Cannabaceae 469	Limnathaceae 736	Simaroubaceae 1067
Capparaceae 469	Linaceae 738	Simmondsiaceae 1068
Caprifoliaceae 471	Loasaceae 740	Solanaceae 1068
Caryophyllaceae 475	Lycopodiaceae 96	Staphyleaceae 1077
Celastraceae 498	Lythraceae 745	Sterculiaceae 1077
Ceratophyllaceae 500	Malvaceae 746	Styracaceae 1078
Chenopodiaceae 500	Marsiliaceae 96	Tamaricaceae 1080
Cistaceae 515	Martyniaceae 762	Taxaceae 121
Commelinaceae 1105	Meliaceae 763	Taxodiaceae 122
Convolvulaceae 516	Menyanthaceae 763	Thelypteridaceae 110
Cornaceae 522	Molluginaceae 764	Thymelaeaceae 1080
Crassulaceae 524	Moraceae 764	Tropaeolaceae 1081
Crossosomataceae 534	Myoporaceae 765	Typhaceae 1308
Cucurbitaceae 535	Myricaceae 765	Ulmaceae 1081
Cupressaceae 111	Myrtaceae 766	Urticaceae 1082
Cuscutaceae 538	Nyctaginaceae 768	Valerianaceae 1083
Cymodoceaceae 1106	Nymphaeaceae 774	Verbenaceae 1085
Cyperaceae 1106	Oleaceae 775	Violaceae 1089
Datisceae 540	Onagraceae 776	Viscaceae 1092
Dennstaedtiaceae 90	Ophioglossaceae 98	Vitaceae 1097
Dipsacaceae 540	Orchidaceae 1211	Zannichelliaceae 1310
Droseraceae 541	Orobanchaceae 804	Zosteraceae 1310
Dryopteridaceae 91	Oxalidaceae 808	Zygophyllaceae 1098
Elaeagnaceae 541	Paeoniaceae 809	

Jepson Manual geographic subdivision abbreviations

c SNF central Sierra Nevada foothills
c SNH central high Sierra Nevada
CA-FP California floristic province
CaR Cascade ranges
CaRF Cascade range foothills
CaRH high Cascade range
CCo central coast
ChI Channel Islands
CW central western California
D desert province
DMoj Mojave Desert
DMtns desert mountains
DSon Sonoran Desert = Colorado Desert)
GB Great Basin province
GV great central valley
KR Klamath ranges
MP Modoc plateau
n ChI northern Channel Islands
n SNF northern Sierra Nevada foothills
n SNH northern high Sierra Nevada
NCo north coast
NCoR north coast ranges
NCoRH high north coast ranges
NCoRI inner north coast ranges
NCoRO outer north coast ranges
NW northwestern California
PR peninsular ranges
s ChI southern Channel Islands
s SNF southern Sierra Nevada foothills
s SNH southern high Sierra Nevada
SCo south coast
SCoR south coast ranges
SCoRI inner south coast ranges
SCoRO outer south coast ranges
ScV Sacramento valley
SN Sierra Nevada
SnBr San Bernardino Mountains
SNE east of Sierra Nevada
SNF Sierra Nevada foothills
SnFrB San Francisco Bay area
SnGb San Gabriel Mountains
SNH high Sierra Nevada
SnJt San Jacinto Mountains
SnJV San Joaquin valley
SW southwestern California
TeH Tehachapi Mountains
TR transverse ranges
W&I White and Inyo Mountains
Wrn Warner Mountains
WTR western transverse ranges