



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 35, No. 4

APRIL 2002

NPSO 2002 State Office Candidates

The Nominating Committee offers the following list of candidates for state offices. Election ballots are included in this *Bulletin*. Ballots need to be returned by May 1.

President

Bruce Newhouse, incumbent, was born in Oregon and fell in love with our native flora and fauna while growing up in the Portland suburbs and northern Oregon Cascades. He is a botanist, wetland scientist, and naturalist as a partner in Salix Associates. Since the early '90s he has been active in NPSO, serving stints as Emerald Chapter president, vice-president, and co-chair of NPSO's Rare and Endangered Committee. Bruce is on the Oregon Flora Project Atlas Committee, is a member of the Carex Working Group, and is a member of several local citizen committees, and also is a founding member of the Cascade Mycological Society and North American Butterfly Association's Eugene-Springfield Chapter. Bruce has worked to stimulate interest and activism in NPSO, particularly in building educational resources and providing input to public decision-making. He believes that as concerned local residents we are the only stewards of our local ecosystems, and that we need to be more vocal and visible in that role.

Vice President

Michael McKeag, incumbent, is a member of the Portland Chapter. His involvement with NPSO grew out of his interest in gardening with native

plants. After a few field trips and a season as field trip coordinator for the Portland Chapter, he was hooked. Now his garden languishes while Michael is off in the wilds studying plants in their native habitat. He hopes to participate in an NPSO galvanized with a sense of purpose that inspires others to join in. He would like to see NPSO become irresistible.

Secretary

Kelli Van Norman, incumbent, grew up in the mountains of southwestern Oregon hiking and learning the native flora through 4-H Forestry. She enjoys botanizing throughout Oregon and is learning to landscape with native plants. Since last spring, Kelli has been working in Portland for the Bureau of Land Management on the Northwest Forest Plan's Survey and Manage Program. Prior to that, she worked for the U.S. Forest Service PNW Research Station on long term ecosystem productivity. Kelli earned a B.S. in Geography from the University of Oregon and an M.S. in Forest Science from Oregon State University. She just acquired a new dissecting microscope and hopes to use it this year to become more proficient at the identification of grasses and lichens.

Treasurer

Candice Guth, incumbent, was appointed by the NPSO Board of Directors upon Eric Wold's retirement (to fatherhood). Candice worked closely with Eric during the transition and brings to us outstanding skills as a CPA

and former Finance Director at the Audubon Society of Portland and at the Oregon Natural Resources Council. She is currently the Executive Director at Alternatives to Growth Oregon and she is delighted at the chance to become more involved with NPSO and wildflowers.

Directors-at-Large

Clayton Gautier, a lifelong fan of the natural world, has been a member of NPSO since 1983. After obtaining a B.S. degree in Biology from the University of Nevada, Reno, and an

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregon.org>

E-mail Discussion List

To join send a message to majordomo@tardigrade.net, with the following in the body of the message: subscribe npsos

General Business Address

P.O. Box 902

Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

Membership Inquiries Only

Jan Dobak

2584 NW Savier St.

Portland, OR 97210-2412

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Editor: Tanya Harvey

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Editor's Note

What's Your Ecological Footprint?

April 22 is Earth Day. One of the focuses of this year's campaign is 'The Ecological Footprint.' This is the amount of land required to sustain an individual. The statistics are very disheartening. The average American requires 31 acres of productive land each year to provide the resources they consume and accommodate the waste they create. For comparison, an individual in the UK or Switzerland requires 16 acres and one in China needs four.

But the planet can only provide 5 acres per person. And the more we pollute the less productive land there is to sustain us. And while the population continues to grow, the Earth does not. Clearly we're creating a debt we can't pay off. We need to find ways to consume less and discard less and leave some room for the rest of the living things trying to survive here.

We all can do better at lessening our impact on the Earth. This Earth Day why not do more than plant a tree. Simplify your life and renew your commitment to tread as lightly on the Earth as possible.

For more information on Earth Day 2002 and how you can reduce your footprint go to www.earthday.net.

Tip of the Month: If you're going out to a restaurant to eat, bring your own reusable container for leftovers. You won't waste disposable containers or food and you'll be less inclined to overeat, which is also a waste of resources. This goes for ordering take-out food as well. Imagine how many styrofoam takeout containers are manufactured and thrown out every day in this country. Every little bit counts!



TANYA HARVEY

Frogs are especially sensitive to man's alteration of the environment.

Annual Meeting Field Trip Addition

One additional Saturday field trip has materialized for the Annual Meeting weekend (June 8th). This is a second choice to serpentine regions of Josephine County. The description follows. Persons who think they might like to do this trip will be able to sign up for it after arriving at Green Springs Inn on Friday June 7th. Or you can express interest in this trip by writing a comment on your registration form when you send it in (if you have not already registered). If as few as three or four want to go the leaders are willing to do the trip.

Serpentine Point and Onion Mountain

Leaders, Maria Ulloa and Rachel Winters. This trip is a driving loop southwest out of Grants Pass on Siskiyou National Forest roads. Several stops will be made along the way, and there will be three or four easy-to-moderate short hikes with little elevation change. The total hiking distance will be about 4 miles. The places visited will vary from 4,400' serpentine ridges to old growth Port Orford cedar forest to lush creekside sites. Up to seven species of orchids, *Lewisia leana*, one or two species of *Lilium* and *Sedum* may be seen in flower. See also large pines and the rare *Sophora leachiana*. From Green Springs the round-trip driving distance is about 190 miles (from Ashland Bi-Mart about 150). This is an all-day trip.

State

April 6, Saturday, 10:30 am

Board Meeting: 10:30 am at The Discovery Center in The Dalles; take exit 82 off I-84 and follow signs.

June 7–9, Friday to Sunday

Annual Meeting: The Siskiyou Chapter will host the meeting at the Green Springs Inn on Highway 66 twenty miles east of Ashland. See March *Bulletin* for registration materials and information.

Blue Mountain

April 1, Monday, 7:00 pm

Meeting: Flowers of the Columbia Gorge. Bruce Barnes will present a slide program of what to expect on the first field trip of the year (below). Small Business Development Center, SE 1st and SE Dorian, Pendleton.

April 13, Saturday, 8:30 am

Field Trip: Tom McCall Wayside, Columbia Gorge. Carpool from NW corner of Safeway parking lot in Pendleton at 8:30 am. Return late afternoon. Call Bruce Barnes for info: 541-276-5547.

Cheahmill

April 25, Thursday, 7:00 pm

Meeting: Protecting Greenspaces in the Urban Environment. Mike Houck, Urban Naturalist for The Audubon Society of Portland, will give a slide presentation describing what the Audubon Society, PSU, Metro and others have done over the past twenty years to protect and restore natural areas and to create regional parks and a recreational trail system throughout the Portland-Vancouver metropolitan region. He will also talk about *Wild In The City, A Guide To Portland's Natural Areas*—a book he co-edited with M. J. Cody. Carnegie Room, McMinnville Public Library, 225 N. Adams St.,

McMinnville. For more information contact Susan Williams, 503-538-1865 or helgesusan@attbi.com.

April 28, Sunday, 10:00 am

Field Trip: Yampo BLM Land Eola Hills Botanical Area. This was our most successful field trip last year. Access to this area is only through private land and is therefore limited. We will walk through an overgrown Oak Savannah, by a year-round stream with towering Douglas-fir and Grand fir, and finish our tour on a dry slope so characteristic of this area. We will be on the lookout for three species of Trilliums, *Fritillaria affinis*, Camas, and many

other spring flowering plants. In bloom again will be False Solomon's-seal so numerous that it will scent the air with its sweet perfume. The hike, less than a mile, is not difficult. Our route will follow game trails and there are some small slopes to negotiate. To register and for directions contact Marna Poth at 503-835-1042. This field trip is strictly limited to 12 people.

May 18, Saturday, 11:00-4:00 pm

Event: Spring Wildflower Show and Native Plant Sale. at the McMinnville City Library, 225 N. Adams St. For more info call Sepha at 503-472-0270.

Corvallis

April 8, Monday, 7:30 pm

Meeting: Temperate and Tropical Rainforests of Eastern Australia. Aaron Liston from the Botany and Plant Pathology Department at Oregon State University will present a talk and slide show at Oregon State University Cordley Hall, Room 2087. **Please note change of meeting place!** We are not meeting at the Avery House for this meeting. The door at Cordley Hall (on Orchard Avenue and 27th Street) will be open on the west side of the building adjacent to the parking lot and the horticulture garden. For more information please contact Esther McEvoy at 541-754-0893.

May 13, Monday, 7:30 pm

Meeting: In Search of the World's Oldest Trees. A slide show and talk on the bristlecone pine trees of California's White Mountains by Charlene Simpson, Rhoda Love and Veva Stansell. Meet at the Avery House, Avery Park, Corvallis. For more info please contact Esther McEvoy at 541-754-0893.

June 3, Monday

Work Party: Avery House Native Plant Garden. Afternoon and evening work party and a dinner potluck. Details to be follow in next *Bulletin*.

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. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. 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. National Forests require a Northwest Forest Pass for many field trip locations. Permits can be acquired at forest headquarters and ranger districts.

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. Groups using wilderness areas should be no larger than 12.

Emerald

April 12-14, Friday-Sunday, 9:00 am - 3:00 pm

Workshop: Spring Field Botany, with Dr. Rhoda Love and Judith Manning. Sponsored by Mt. Pisgah Arboretum and NPSO. We will field test the new *Gilkey Handbook of Northwestern Plants*. Apply your botanizing skills in three unique plant communities: wildflowers on the Willamette Valley floor, unique mountain floras of Spencer Butte, and the West Eugene wetlands. Fee; advance registration required. See Mount Pisgah Events on page 41 for more information.

April 27, Saturday, 9:00 am

Field Trip: Blanton Heights. Ed Miesen will host a visit to his property of 160 acres on the south slope of Blanton Heights. The land includes oak savannah, grass prairie and some wetland. Meet 9:00 am at South Eugene High School and return before 2:00 pm. For further information call Dave Predeek at 541-345-5531.

April 22, Monday, 7:30 pm

Meeting: Lewis & Clark - Scientific Collections... and descriptions of birds, animals, reptiles, amphibians, fish, and plants new to science encountered by the Corps of Discovery 1804-1806. Jerry Igo, long-time NPSO member and teacher of natural sciences and Northwest history, has spent the last four years traveling the Lewis and Clark route. He's planning on bringing live specimens of several plants first documented by L & C. And, if we're lucky, Jerry will "bring" Sgt. Patrick Gass of the Corps of Discovery, to tell us his version of the expedition. Room 117, Science Building, LCC main campus.

May 4, Saturday, 9:00 am

Field Trip: Wildflower Hike at the Coast led by Bruce Newhouse. Meet at South Eugene High School at 9:00 am. For further info call 541-343-2364.

May 13, Monday, 7:30 pm

Meeting: The Legacy Grows. More Lewis & Clark! The theme of the upcoming May 19th Wildflower Festival is "Plants of the L & C Expedition". Sally Claggett and Jolene Krawczak, who researched the Lewis and Clark Expedition for the *Oregonian*, will share their own discoveries with us. More details in next month's *Bulletin*.

Note: This meeting is on the 2nd Monday (not the 4th), this month only. Room 117, Science Building, LCC main campus.

May 19, Sunday, 10:00-4:00 pm

Event: Mount Pisgah Arboretum Wildflower Festival. Plants of the Lewis & Clark Expedition. Wildflower Show, plant sale, interpretive nature walks, information and food booths, children's activities, musical entertainment and more. See next month's *Bulletin* for more information.

High Desert

April 23, Tuesday, 7:30 pm

Meeting: To be announced. Central Oregon Environmental Center, 16 NW Kansas, Bend. Call Stu Garrett for more information: eves 541-389-6981.

Klamath Basin

For information on the Klamath Basin Chapter, call David Lebo at 541-883-8393.

Mid-Columbia

April 3, Wednesday, 7:30 pm

Meeting: The Art of Botanical Illustration. Bonnie Hall, retired scientific illustrator who makes beautiful screenprinted botanical portraits of Northwest native plants, will give us a visual tour of centuries of wonderful illustrations. We'll also see Bonnie's own wonderful work, some of which will be available for purchase. 7:30 pm at the Columbia Gorge Discovery Center, exit 82 off I-84 in The Dalles.

April 14, Sunday, 10:00 am

Event: Plant Show. The Mid-Columbia chapter hosts its annual spring plant show of plants of the entire Columbia Gorge, 10:00 am to 4:00 pm at the Mosier School. For a wonderful day, come to our plant show, eat lunch at the Mosier Fireman's Benefit Smorgasbord, and then visit the Tom McCall Preserve, the Mosier Twin Tunnels, or Catherine Creek. Mosier Exit off I-84, school is on the right, follow signs.



ILLUSTRATION BY BONNIE HALL

Lilium columbianum. Serigraph illustration by artist and Corvallis NPSO member Bonnie Hall. Bonnie will be speaking about botanical art at the Mid-Columbia chapter's April 3rd meeting.

April 20, 21, Saturday, Sunday

Event: Plant Show. Our Chapter will offer a second plant show, highlighting Lewis and Clark Plants, at the Columbia Gorge Discovery Center, exit 82 off I-84 in The Dalles.

May 1, Wednesday, 7:30pm

Meeting: Butterfly-Plant Interactions. Dr. William Neill, author of the recently-published book, *The Guide to Butterflies of Oregon and Washington*, will tell us the fascinating story of the life of butterflies, and how some caterpillars depend very specifically on certain plant species. 7:30pm at the Columbia Gorge Discovery Center, exit 82 off I-84 in The Dalles.

North Coast

For information on the North Coast Chapter call Vivian Starbuck at 503-377-4141.

Portland

March 30, Saturday, 8:00 am

Field Trip: Deschutes River Hike, 7.5 miles, 800-ft. elevation gain. This hike, which starts at the Deschutes State Park just off I-84, loops up into grass-and-sagebrush hills and then goes back along the river. If we're lucky, a lot should be blooming already, including some balsamroot as well as shooting stars, puccoon, phloxes, fiddleneck, gold stars, broomrape, popcorn flowers, and abundant desert parsleys—maybe even lupine! We will meet at the SE corner of Gateway Park & Ride, NE 99th Ave. & Pacific (just north of Glisan), at 8:00 am to carpool. Bring lunch, water, raingear. Please contact Beth Magnus at 503-226-7919, if you intend to go and for more info.

April 9, Tuesday, 7:00 pm,

Meeting: Lewis and Clark Scientific Collections. This meeting is not to be missed! Jerry Igo, President of the Mid-Columbia Chapter, will show the video he has been producing over the last three years while traveling the Lewis and Clark Trail. We will learn about

the plants, birds, animals, reptiles, amphibians and fish that were encountered by the Corps of Discovery from 1804-1806. Regional, live plants relevant to the collections will be presented too. Fireside Room (#355) of the First United Methodist Church located at 1838 SW Jefferson St., in Portland. For more information contact Dee White, 503-775-2909.

April 13, Saturday, 7:30 am

Field Trip: East Bank of Deschutes River north of Sherar's Bridge. *Viola trinervata* and *Phoenicaulis cheiranthoides*, plus lots of other delightful plants; canyon wren and ospreys; spectacular scenery. Car botanizing with easy walking. Drive 240 miles round trip on paved road plus 20 miles on gravel road. This is a long day trip: leave Portland 7:30 am, return 6:00 pm or later. Call Jan and Dave Dobak, leaders, 503-248-9242, for meeting place and information.

April 14, Sunday, 8:30 am

Field Trip: Catherine Creek. Mid April is a good time to view Camas in full bloom at Catherine Creek. We will also be searching for such oak forest treasures as *Dicentra cucullaria*, *Viola sheltonii*, and *Cynoglossum grande*. Many other interesting species should be in bloom! Leave at 8:30 am, Gateway/NE 99th Ave Park and Ride, southeast corner of parking lot. The trip will be 120 miles round trip by car with 3-4 miles of easy hiking with up to 700 feet of elevation gain. Call Paul Slichter at 503-248-9242 for more information.

April 21, Sunday

Field Trip: Seven-Mile Hill, a bit west of The Dalles. Enormous balsamroot fields that look like they belong in the Wizard of Oz, plus *Brodiaea howellii*, *Astragalus hoodianus*, *Lithospermum ruderales*, *Hydrophyllum capitatum*... also an oak grove with no poison oak but lots of glacier lilies and shooting stars. About 5 miles, 1500-ft. elevation gain. Meet at Gateway Park & Ride, southeast corner, at 8:30 am. Please call leader Beth Magnus at 503-226-7919 if you plan on going.

April 28, Sunday 8:30am

Field Trip: Weldon Wagon Trail. Total hike distance, 7.5 miles, 1500 feet of elevation gain. This hike begins at the town of Husum in the White Salmon River valley on the Washington side of the Columbia Gorge and wanders up through oak woods into balsamroot meadows on a historic wagon trail. Some special features are *Cypripedium fasciculatum*, *Viola sheltonii*, and *Lomatium suksdorfii*. We will meet at the SE corner of the Gateway Park & Ride at 8:30 am. For more information call Greg Stone at 503-233-4761.

May 4, Saturday, 8:00am

Field Trip: East End of the Columbia Gorge. Total hike distance, 2 miles; total elevation gain 600'. We will explore two areas of National Forest grassland on the Washington side of the Columbia Gorge, finding numerous colorful species not seen west of The Dalles, such as *Erigeron poliospermus*, *Astragalus succumbens*, *Phlox longifolia*, *Penstemon acuminatus*, and *Lomatium laevigatum*. Meet at the SE corner of Gateway Park & Ride at 8:00 am to carpool. For more information, call the leader, Russ Jolley, at 503-286-2350, or Beth Magnus at 503-226-7919.

Siskiyou

April 7, Sunday, 1:00 pm

Field Trip: Limpy Creek. Meet at 1:00 pm, US Forest Service Building, 200 NE Greenfield Rd, Grants Pass, just north of Exit 58 off I-5. Leader: Linda Mullens. An excellent example of serpentine wetlands and serpentine drylands along a beautiful, sparkling creek. The Forest Service has done an exemplary job of making interpretive signs at the beginning of and along the trail. This area is close to Grants Pass. Easy 1-mile hike, a good trip for children.

April 13, Saturday, 10:00 am

Field Trip: Lower Table Rock. Meet at 10:00 am at Lower Table Rock parking lot. Take Exit 33 from I-5; go east 0.9 mi on East Pine Street (which becomes Biddle Rd) to Table Rock Rd. Turn left (north); go north 7.7 mi across the Rogue River to the intersection of Table Rock Rd and Wheeler Rd. Turn left (west) on Wheeler Rd and go 0.6 mi to the Lower Table Rock Trail parking lot (follow signs). See dwarf woolly meadow-foam, a rare plant found nowhere else on Earth, along with many other wildflowers such as popcorn flower, goldfields, miniature lupine, elegant brodiaea, and native clovers in a unique geological setting. Moderate 3-4 mile hike on good trails. Leader: Barbara Mumblo. For information call 541-899-3855.

April 18, Thursday, 7:30 pm

Meeting: Botanical travels across South Africa by Paul Hosten. Paul's training as a botanist began 'in utero', as his mother is a botanist. His appreciation for the plant kingdom flourished, closely associated with travel. Over the past 20 years he has had the occasion to study estuaries, the marine intertidal zone, man-made wetlands for the treatment of effluent, dune restoration, bedouin sheep and goat impacts in the Negev, livestock impacts to microphytic crust, and long-term plant community changes in and around the lava flows of the Snake River plains. More recently activities include fire-hazard reduction in the Applegate Valley and plant community monitoring on the new Cascade-Siskiyou National Monument. Room 171 of SOU Science Building in Ashland. For more info call Molly Sullivan at 541-770-7933.

April 20, Saturday, 10:00 am

Field Trip: Rough and Ready. Meet at 10:00 am at the Illinois Valley Visitor Information Center, 201 Caves Hwy, Cave Junction. Rough and Ready is the botanical gem that environmentalists have been fighting so long and so hard to save from mining interests. Come see that it has been worth the struggle. Many serpentine adapted wildflowers,

some rare, others common, but all beautiful, will be seen. Easy 2-mile hike. Leader: Linda Mazzu. For information, call Linda at BLM in Medford 541-618-2200.

April 28, Sunday, 10:00 am

Field Trip: Pacifica Arboretum and Botanical Garden, part of the Pacifica 'Soaring Into Spring' festival. Meet at Pacifica at 10:00 am for a hike into a coniferous forest with Barbara Mumblo or at 1:00 pm for a hike into an oak/pine/madrone savanna with Don Heinze. See one of the most exciting botanical projects ever to come to southern Oregon. Easy hikes, two of many activities that will take place at Pacifica in their 'Soaring Into Spring' festival on April 28. Take Hwy 238 southwest of Jacksonville (or southeast of Grants Pass) to the junction of 238 and Watergap Rd, at the border of Jackson and Josephine Counties. Turn south on Watergap Rd toward Williams and go 2.3 mi. The Pacifica gate will be on the left (east) side of the road. Go up the driveway, under a large wooden arch marked "Pacifica" and proceed to the meeting place, a big building on the right side of the road. Leaders: Barbara Mumblo 541-770-2349 or 541-899-1812 or Don Heinze 541-955-7247.

Umpqua Valley

April 11, Thursday, 7:00 pm

Meeting: Wildflowers and Geography of the South Umpqua Area. Jim Hunt, retired USFS, will give a multi-projector show and talk at Douglas County Courthouse Annex, just east of the main courthouse. For more information please contact Jack Hausotter at 541-863-5347.

April 27, Saturday, 9:00 am

Field Trip: North Umpqua River. View *Kalmiopsis fragrans*, *Cypripedium fasciculatum* and others. Meet, carpool at BLM parking lot 777 Garden Valley Rd. prior to 9:00 am departure. This is the weekend of the Glide Wildflower Show, so we may pause there at

10:00 am for a while depending on the group's desires, then head up the river. We will return to Glide about 2:00 pm. For information call Richard Sommer 541-673-3709.

Willamette Valley

April 13, Saturday, 9:00 am

Field Trip: Work Party at OSU Herbarium. Activities will include cleaning and mounting specimens, cataloging slides, computer data entry, and other tasks as needed. Members of other NPSO chapters are welcome to participate. Volunteers should bring their own lunches. Carpooling from Salem is encouraged. Participants can meet at the Safeway parking lot, corner of NW Edgewater and Rosemont, at 8:15 am. Head back at 3:00 pm. Enrollment is limited to 14 persons, and prior registration is required. Call Judy Oliver at 503-371-8709 or e-mail bob@navicom.com, for further information.

April 15, Monday, 7:00 pm (Third Monday in April)

Meeting: The Scientific Discoveries of the Lewis & Clark Expedition: the Flora and Fauna of the West by Jerry Igo, Mid-Columbia NPSO Chapter President. Jerry is a renowned expert on the natural history of the Columbia Bio-region, and has spent the last three years traveling the L&C trail. He will bring some specimens of plants discovered by L&C, and will also show a videotape of various flora and fauna as L&C found them. Monthly meetings take place in room 225 of the First United Methodist Church, 600 State St. in Salem. Please enter through the door marked "Church Office". For more information, call Karl Anderson at 503-315-7329.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, Call 541-747-1504 for information or to register.

April 6 & 7, Saturday and Sunday

Arbor Week Celebration! Come support Mount Pisgah Arboretum for Oregon Arbor Week! Attend the spring opening of our Visitor Center, which is packed with animals, educational displays, a bee hive, books, and gifts. Enjoy refreshments and help the kids make a tree-round craft. Attend one of our Tree Walks, Saturday and Sunday at Noon, or a Wildflower Walk at 10am on Saturday. There may even be some surprise events! Come enjoy the day and support the Arboretum!

April 12-14, Fri.-Sunday, 9 am-3 pm (note change of date)

Spring Field Botany Workshop. Learn to use Gilkey & Dennis' *Handbook of Northwestern Plants* key to identify common wildflowers and plants of the Willamette Valley in this annual, intensive botany class. Field test the key and apply your botanizing skills in three unique plant communities: wildflowers on the Willamette Valley floor, unique mountain floras of Spencer Butte, and the West Eugene wetlands. Led by Dr. Rhoda Love and Judith Manning. Co-sponsored by NPSO. Fee: \$100 (\$90 for NPSO & MPA members). Pre-registration required.

April 6, 20, 27, Saturdays, 8-10 am

Early Bird Walks. Explore the Arboretum's habitats in search of spring birds and their early morning songs. Led by experienced birders. Bring binoculars. Meet at the Visitor Center.

April 6, 13, 27, Saturdays

April 21, Sunday 10am - Noon

Spring Wildflower Walks. Wildflowers abound at the Arboretum from March through May. Come on a walk with a knowledgeable guide to observe and identify what's blooming throughout the spring. Meet at the Visitor Center.

April 17, Wednesday, 2 - 4 pm

Elder Walk (55+). Join other nature-loving seniors on an informative walk exploring wildflowers on the Arboretum trails. Afterwards, enjoy beverages and snacks with your guides and fellow adventurers. Suggested donation \$4. Meet at the Visitor Center.

April 6, 20, May 4, Saturdays, 1-3pm

Native Plant Gardening Series. Evelyn Hess, owner of Lorane Hills Farm & Nursery, leads this exciting series. Register for one, some, or all of the workshops. Fee: \$15 (\$12 MPA members) per class. Call for more information about individual classes and to register.

April 6: Native Plant Propagation

April 20: Gardening for Wildlife Habitat

May 4: Designing Your Native Garden

April 28, Sunday, 12 - 3 pm

Plant Press Workshop. Build your own plant and flower press! Learn how to preserve your favorite plants and flowers for research, identification, and arts & crafts. All materials provided. Fee: \$25. Pre-registration required.

Tualatin Hills Park Native Plant Sale

Saturday, April 27, 10 am - 2 pm

Attention All Gardeners! Don't miss the Tualatin Hills Park and Recreation District's Native Plant Sale at 15655 SW Millikan Blvd., Beaverton. Select from a wide variety of trees, shrubs and flowering plants in all price ranges for every spot in your garden! Once established, Native plants need little care and water! All proceeds go toward future park improvements. Call 503-644-5595 for more information.

Willamette Valley Butterfly Gardening

April 2, Tuesday, 7:00 pm

NPSO members Bruce Newhouse and Eric Wold will discuss the keys to successful butterfly gardening in the Willamette Valley at the monthly meeting of the Emerald Chapter of the North American Rock Garden Society. Eugene Garden Club, 1645 High Street, Eugene. For more information call 541-937-1401.

Nature Journaling in the Field

April 13, 14 and May 4, 5

Nature Journaling in the Field with Journal Master, Marilynn Karbonski. Come and see spring bloom in the McMinnville area parks while learning writing, drawing, and painting techniques to create exciting field journals. A two-weekend workshop. For more info call Marilynn at 503-852-7230.

36th Annual Glide Wildflower Show

April 27 & 28, 9 am - 5 pm

Glide Community Building, 20062 N. Umpqua Highway (17 miles east of Roseburg, Oregon on Highway 138).

This annual show features hundreds of plants from southwestern Oregon. Included are exhibits and specimens of wildflowers, trees, shrubs, lichens, liverworts, mosses, ferns, and grasses, all arranged and identified by botanical and common names. Photographs of rare and endangered species are also on display.

General public hours are from 9am to 5pm, both Saturday and Sunday. The hour between 8 and 9am on both days is reserved for photographers only. On Monday, the show will open to school groups by advance reservations.

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or check out their website at <http://www.berrybot.org>.

April 13, Saturday, 9 am-12pm

Nurturing Nature. We're excited to offer this new class developed by Linda McMahan, former BBG Executive Director. In a radical approach, we'll begin by discarding most of our horticultural traditions to look at gardens from an ecological perspective. Then we'll add appropriate gardening practices back in, exploring the areas of mind, natural weed exclusion, appropriate native plants and much, much more. Discover how your garden can simultaneously satisfy both nature and your own personal "yard needs." \$15.

April 18, Thursday, 7 pm-9 pm

The Plant Connection. "What Will We See There? Ooh! Look at that little flower. I should know what that is. If I could only remember its name..." Your companion hiker, impatient with your botanical interest, offers no help. Sound familiar? We're offering this class to help you avoid this situation. In an entertaining slide show, preview the season's wildflowers in a taxonomic context, and hone your "botanical" eye. \$15.

April 21, Sunday, 11 am-3 pm

Berry Botanic Garden Spring Plant Sale. Whether your love is rhododendrons, primulas, penstemons, alpines, or natives, plan to be there early for the best selection. Nursery stock from a number of specialty growers as well as Berry's own plants will be for sale. It is held at the Cedar Hills Recreation Center in Beaverton.

April 27, Saturday, 9am-3:30pm

Regional Guide Training: Plants of Lewis & Clark. In celebration of the 200th anniversary of their travels to our area, The Oregon Garden is sponsoring a symposium on the plants described in Lewis & Clark's journals. Includes plant stories, information on their native habitat and how we might see these plants used in the garden. Although this is part of an on-going series for garden guides, if you are interested in becoming a garden guide, please join us. Free! (pre-registration required). At The Oregon Garden.

April 27, Saturday, All-Day Event POLLINATORS

Register for individual classes or \$30 for all + lunch

10-11:15 am

Low-Profile Pollinators with a High-Level Job. Pollinators, including our native bees, are vital for maintaining the health and productivity of both agricultural and natural ecosystems. Discover the amazing diversity and lifestyle of the native bees that make up one of the most important groups of pollinators, and learn simple and practical ways to help them. Weather permitting, we will spend about half of our time outside enjoying the garden and discovering which bees are active in spring. Matthew Shepherd, \$15.

12:15-1:30pm

Butterflies: Garden Show-Stoppers. This class, designed for gardeners who are interested in attracting butterflies to their yard, will broaden your appreciation of the complex plant-butterfly relationship. Learning about the life cycles of butterflies will enable you to provide them with the specific plants that support them at each life stage. We'll see examples of butterfly life cycles from caterpillar to brilliant adult. Bill Neill, \$15.

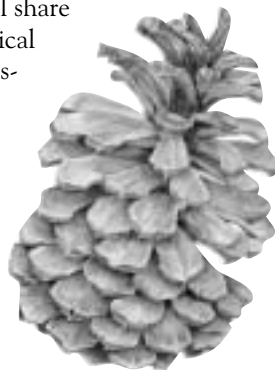
1:30pm-3pm

Butterfly Basins. In the summertime, butterflies need a cool drink just like anyone else. They also take in much needed minerals when they sip from muddy pools, whether natural or provided by the concerned gardener. Create basins that are tailor-made for the hard-working urban butterfly who's just looking for a good place "to puddle." Ginny Maffitt, \$15.

Friends of the Oregon Flora Project

A **Botanical Illustration Workshop** will be offered Friday evening, May 3 through Sunday afternoon, May 5 at Lane Community College in Eugene as a benefit for the Oregon Flora Project. The workshop will begin Friday evening with a reception and slide presentation on the history of botanical illustration by artist Anne Jaster. Saturday and Sunday Anne will share her expertise in field sketching and drawing of botanical subjects using pencil and colored pencils in both classroom and field settings. The workshop is geared for artists, scientists, and nature enthusiasts of all skill levels. The weekend workshop is offered for a donation of \$90 for members of the Friends, and \$100 for non-members. For attendance at the reception and slide presentation only, \$8/\$10 is requested.

Contact Thea Cook at cookthe@bcc.orst.edu or 541-737-2445 to register. Preregistration deadline is April 12. For more information, visit the Oregon Flora Project website at www.oregonflora.org.



Jeffrey Pine Cone
© Anne Jaster

An Invitation from the Siskiyou Field Institute

by Shannon Clery, Program Coordinator

Besides the NPSO annual meeting, another opportunity to join fellow naturalists in the Siskiyou Mountains of southern Oregon this season is the Siskiyou Field Institute (SFI). Registration for our fifth season of field courses and workshops has just begun. SFI offers a variety of opportunities to learn about the ecology of the unique and beautiful Klamath-Siskiyou bioregion from researchers, professors and practitioners eager to share their knowledge and love for this area. Discover plants that grow nowhere else in the world, come snorkel with the fish that thrive in these wild rivers and climb amongst one of the most geologically complex mountain systems in the world.

SFI programs are geared toward a wide audience, from nature fun for youth to technical science courses for experienced naturalists. This year's catalog features two main sessions: the Western Siskiyou Session based in Cave Junction is June 14-21 and the Eastern Siskiyou Session based in Ashland is June 22-23 and 28-30. Botany is well represented in these main sessions, with workshops such as serpentine plant ecology, Siskiyou shrubs, conifers, graminoids and fen flora. Other botanical highlights are multi-day courses in macrolichens and keying and recognizing plant families.

The SFI banquet, always a festive event, will be held on Saturday, June 15th in the Illinois Valley. A social hour and delicious vegetarian meal will be followed by a keynote presentation from Nancy Weiss titled "The Wolf Within: A Mirror of Changing Human Attitudes Toward the Wild." Nancy is the California Species Associate for Defenders of Wildlife and her background in biology, law and animal behavior has given her a broad exposure to wolf-related issues.

Besides our main sessions, this year a number of other programs take advantage of optimal seasonal timing and other places in our bioregion:

- Spring Fungi of the Klamath-Siskiyou is the weekend of May 3-5.
- During our Spring Naturalist Retreat, focus on your favorite or mix courses in botany, birds and butterflies, enhanced with the fine food and accommodations at Buckhorn Springs Bed and Breakfast in the Cascade-Siskiyou National Monument, over Memorial Day weekend, May 25-26.
- A weeklong natural history day camp for kids will be offered in partnership with North Mountain Park Nature Center in Ashland July 15-19.
- With fun for all ages, a Family Nature retreat will be offered July 20-21 at Buckhorn Springs Bed and Breakfast.
- Illustrating Mt. Ashland Wildflowers, a watercolor workshop with Linda Ann Vorobik will be held July 25-28.
- A Redwood Birding and Ecology weekend course will be held July 5-7 in Redwood State Park near Orick, CA.
- A pelagic birding trip will leave from Coos Bay September 7.
- Grandparents and grand kids can celebrate nature and Grandparents Day on September 8 in a Grants Pass area workshop.
- Natural and Cultural History of the Klamath River will be a multi-instructor course with salmon snorkeling, ethnobotany, geology, history and native culture at beautiful Sandy Bar Ranch near Orleans, CA, September 11-15.

If you're not on our mailing list and want to receive our catalog, please contact us at institute@siskiyou.org or 541-482-1417. It can also be viewed and a registration form downloaded online at www.siskiyou.org. Early registration is suggested, and some courses offer college and high school credit. Come join us in the Siskiyou!

NPSO Items for Sale

Camas Tee Shirt Now Available from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping**. For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The "Atlas of Oregon Carex" was NPSO's first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

"Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany" by Rhoda M. Love. NPSO's second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. **Special:** First 25 orders in 2002 receive FREE 9-page annotated bibliography. **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2001). Available from Jan Dobak, 2584 NW Savier St., Portland OR 97210. **\$3 postpaid.**

Fritillaria affinis: Rice-root for Native Americans or Mission Bells for Lewis and Clark

By Katherine Neall & Lance Wolley, Botany students, Lane Community College, Eugene

One of the most important aspects of the Lewis and Clark expedition (1804-1806) was the collection of over 200 botanical specimens, which now make up the Lewis and Clark Herbarium, in the Academy of Natural Sciences, in Philadelphia. Meriwether Lewis was one of the first known pioneers to describe, collect, and preserve plant specimens from the remote regions of the Pacific Northwest. Many of the specimens were previously unknown in the scientific world. In his descriptions, Lewis included the ways in which the Native Americans utilized plants, for food medicine, and other purposes.

One of the plants described by Lewis was a "specimen of a liliaceous plant whose squamous bulb is eaten by the natives." (2) The plant he was referring to, first obtained on Brant Island, April 10th, 1806 (2), is now known as *Fritillaria affinis*, previously *F. lanceolata*, a member of the Liliaceae family. *F. affinis* is known by many common names: chocolate or brown lily, speckled hen, snake lily, and checker lily are names describing the unique brownish-purple flowers, which are spotted with

yellow-green. *F. affinis* is also called mission bells or bronze bells, names that refer to the flower's bell shape. The root word for *Fritillaria* pertains to the chessboard color pattern of the flower and the previous specific epithet, *lanceolata*, refers to the narrow, pointed end of the tepals (4).

F. affinis is a herbaceous, perennial monocot, having a white, bell-shaped bulb with many bulbets, resembling white rice. It is because of these bulbets that *F. affinis* is often referred to as rice root. The rice-like bulbets and bulb were eaten by the Coast Salish, including the Squamish, Sechelt, Halq'emeylem, and Straits Salish, of Western Washington and British Columbia (5). The bulbets were typically boiled or roasted in pits, and usually eaten with other foods, such as hemlock cambium or camas cakes. When cooked, the bulbets are said to be tender and delicate and, except for having a slightly bitter taste, could scarcely be distinguished from genuine rice (7).

The stems of *F. affinis* are singular, 50cm tall, with narrow leaves arranged in two whorls. The nodding flowers are singular, or in clusters of two to five,

with 6 tepals, 20-30mm long; and can be found in bloom from April to June. The flowers produce nectar abundantly (7), have a distinctively foul odor, and are pollinated by carrion insects (6).

The habitat of *F. affinis* ranges from dry prairies and grassy bluffs, to open woods and coniferous forests, from sea level to nearly sub-alpine. The species is distributed from British Columbia to California, on both sides of the Cascades in Washington, the west Cascades in Oregon, and east to northern Idaho (5). While having a large range of distribution, *F. affinis* is rather uncommon in some areas and so should not be interfered with. At Mount Pisgah Arboretum in Eugene this beautiful flower can be found along the Incense Cedar and South Boundary trails and in among the camas by the visitor center.

Ed. Note: This article was written for the Mount Pisgah Arboretum Wildflower Festival to be held May 19 in Eugene. Fritillaria affinis is one of the featured flowers on the poster. See next Bulletin for more information about the festival.



TANYA HARVEY

Fritillaria affinis in the Marcola Hills near Eugene

References

1. *Wild Flowers of the Pacific Northwest from Alaska to Northern California*, Clark, Lewis J., Gray's Publishing Ltd., Sidney, British Columbia, Canada, 1976, pp.5-22.
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3. *Vascular Plants of the Pacific Northwest*, Hitchcock and Cronquist, University of Washington Press, 1969, pp. 737, 791.
4. *Plant Names Simplified*, 2nd edition, Johnson, A.T., Grand River Books, Detroit, 1971, p 51.
5. *Plants of the Pacific Northwest Coast*, Pojar and Mackinnon, Lone Pine Publishing, Canada, 1994, pp. 23, 110.
6. *Food Plants of Interior First Peoples*, Turner, Nancy J., University of British Columbia.
7. *Wildflowers of the Pacific Coast*, Haskin, Leslie, Dover Publications, Inc., New York, 1977, 23-24.

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PUBLICATIONS

BULLETIN EDITOR Tanya Harveybulletin@NPSOregon.org; 541-937-1401
 KALMIOPSIS EDITORS Cindy Roché109 Meadow View Drive, Medford, OR 97504, crupinaqueen@charter.net
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M.S. in Ecology from San Diego State University, Clay sidestepped a career in life sciences and became a software engineer. Riding the high tech wave to an early retirement in 1995, Clay now spends his time doing a wide variety of mostly pleasant things such as gardening with native plants at home and tagging along on botanical field trips with his botanist wife, Gail Baker. Clay is also an Atlas Project Leader for the Oregon Flora Project.

Elaine Plaisance has been a member of the Siskiyou Chapter for 10 years. In 1993 she received an MS in Environmental Education from Southern Oregon University in Ashland. She then worked for two years as a Forestry

Technician for the US Forest Service out of the Ashland Ranger Station. In 1996 and 1997, she was Database Manager for the rare plant database of the Medford District of the Bureau of Land Management. The database contains information from 2,500 rare plant locations in a five-county area and is shared with The Nature Conservancy's Oregon Natural Heritage database. Elaine served as co-president of the Siskiyou Chapter from 1991–2001. Recently, she has been working to plan the 2002 annual meeting hosted by the Siskiyou Chapter and she designed the chapter's web site which contains some beautiful pictures of Siskiyou wildflowers.

Veva Stansel, of the Siskiyou and South Coast Chapters, has been a member of NPSO since the Ice Age (or

at least for a very long time). She is retired from the United States Forest Service, having worked as Botany Tech and District Botanist at Gold Beach Ranger District on the Siskiyou National Forest. She is active in volunteer projects for The Nature Conservancy, NPSO, USFS, and others—as long as they are fun. She considers the Siskiyou Mountains to be her basic geographic range, though she can sometimes be found in disjunct locations. For life-long service to the Society and Botany, Veva was honored as a “Fellow” of NPSO during the 2001 Annual Meeting. Just recently, she was appointed to a 3-year term on the Siskiyou National Forest Resource Advisory Committee.