



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 37, No. 4

APRIL 2004

The Mountains of Northeastern Oregon, Pt. 1

by Loren Russell, Corvallis Chapter

A center of scenic beauty and floristic diversity—home to about 2400 species of vascular plants, more than 60 percent of the state's flora—the mountains of northeastern Oregon have long been one of my favorite destinations for hiking and botanizing. The Wallowas and the Blue Mountain complex, which includes the Ochoco, Maury, Aldrich, Strawberry, Greenhorn and Elkhorn ranges, are collectively known as the

Blue Mountain Region and extend for more than 200 miles, from the northeastern corner of Oregon and adjacent southeastern Washington to Prineville in central Oregon. Diverse in its geology, soils, and landforms, half of the region is covered by eruptive igneous rocks, primarily the vast Columbia River flood basalts and the older John Day River ash and rhyolite deposits. There are also large exposures of granite and of sedimentary rocks, including limestone, and some exposures of serpentine rocks; there are significant parallels to the geology of the Klamath region of southwestern Oregon (Bishop 2003).

The western ranges of the Blue Mountain Region are generally lower and drier, the eastern ones higher and wetter. The region is largely covered by ponderosa pine (*Pinus ponderosa*) or mixed conifer forest (Langston 1995), which makes it stand out on a relief map, vegetation map, or satellite image from the adjacent, lower-elevation grasslands and semi-desert of the Co-

lumbia Basin to the north, and of the northern Great Basin to the south. There are also large areas of lower, drier grassland along the John Day and Crooked rivers, and prairies such as those of the Grand Ronde Valley near La Grande and of high basins (e.g., Big Summit Prairie in the Ochocos). In the western part of the region, timberline is reached only on Strawberry Mountain, but in the Elkhorn and Wallowa Mountains, alpine and subalpine vegetation is the most extensive and diverse in Oregon. Unfortunately, most of the alpine zone in these ranges is remote accessible only on multi-day backpack or horseback trips.

It is impossible to do justice to this rich floral region in a single article, so here I will cover just a few reasonably accessible sites with alpine and subalpine vegetation; I have not mentioned sites at the western (Ochoco) and eastern (Hells Canyon) ends of the region.

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Don't Forget to Register for the NPSO Annual Meeting, June 25-27!

This year's NPSO annual meeting will take place in La Grande and will be hosted by the The William Cusick and Blue Mountain Chapters. Information on lodging, hikes and registration were included in the March *Bulletin*. Mark your calendars now, and save June 25-27 for a terrific weekend of botanizing.



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 npso

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Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

Yamhill SWCD Native Plant Sale a Huge Success

The annual Native Plant Sale hosted by the Yamhill Soil and Water Conservation District in mid-February was once again a huge success. According to Tim Stieber, District Manager, over 70,000 bare root and potted native plants, including trees, shrubs flowers and grasses, were sold to landowners and homeowners.

A large measure of the sale's success is owed to the many volunteers who helped the SWCD staff pre-package and sell the plants. In addition to many individuals who donated their time, a special thanks is due to the Cheahmhill Chapter of the NPSO, the Yamhill Basin Council, and FFA students from Perrydale, Dayton, McMinnville and Amity high schools.

Next year's Native Plant Sale will take place in mid-February. To be included on the mailing list for the event please contact Dalena Belden, Administrative Assistant at the Yamhill SWCD, at 503-472-6403 or e-mail her at dalena-belden@or.nacdn.net.

Conservation Coordinator Needed

Darlene Southworth has kindly volunteered to be the Westside Conservation Coordinator. Her contact information is listed under Officers and Committee chairs on page 47.

We still need a Conservation Coordinator/Chair for the Eastside. Responsibilities include working with chapters and the state board to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in the position, please contact the president at president@NPSOregon.org.

Friends of the Oregon Flora Project



www.oregonflora.org

The Friends of the Oregon Flora Project acknowledges with sadness the death of Bonnie Hall. Her kindness, her enthusiasm and support of the Flora Project, and her talented artistry will be greatly missed.

Friends of the Oregon Flora Project
P.O. Box 402
Corvallis, OR 97339-0402

Workshops on Pacific Northwest Mosses & Liverworts

Two Bryophyte Workshops are being offered by David Wagner on the University of Oregon campus in Eugene, Oregon. The three-day workshops will be May 6-8 and May 12-14. They are directed toward practicing botanists who desire intensive training in identifying bryophytes. The first workshop, using an ecological approach, is intended for people with minimal experience with bryophytes and the second, using a taxonomic approach, will be at a more advanced level. A serious botanist could take both workshops to good advantage; there will be little overlap of prepared material. For more info, contact:

David H. Wagner, Ph.D.
Northwest Botanical Institute
P.O. Box 30064
Eugene OR 97403-1064
541-344-3327
davidwagner@mac.com

State

April 24, Saturday, 10:00 am

Board Meeting: Oregon Fish & Wildlife office, 4192 North Umpqua Hwy., Roseburg. It's about half a mile beyond the city limits on State Hwy. 138; a large building on the left. There's a sign about 1/4 mile before you get there. Take exit 124 off I-5 and follow the signs for 138 and Diamond Lake.

June 25-27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host this year's meeting in La Grande. For information on lodging, hikes and registration see the March issue of the *Bulletin* or check out the NPSO website.

Blue Mountain

April 5, Monday, 7:00 pm

Meeting: Rare Plants on the Umatilla National Forest presented by Jean Wood, Umatilla NF botanist. Community Meeting Room, SE corner of City Hall building, Pendleton; use SE corner entrance off rear parking lot. Contact person: Bruce Barnes, 541-276-5547.

April 17, Saturday, 8:00 am

Field Trip: Stateline Ridge Wind Farm. Karen Kronner and Jerry Baker will lead a trip to view populations previously thought extirpated from Oregon. Meet at the NE corner of Pendleton Safeway parking lot. Call Jerry if you are planning to go, 541-566-2244.

Cheahmill

April 22, Thursday, 7:00 pm

Meeting: Trees. The Cheahmill Chapter is pleased to sponsor an Oregon Chautauqua program by historian Nancy Appling. Ms. Appling will take us on an arboreal tour of Oregon and beyond. She will illustrate the importance of trees to the history of the Native American tribes and the culture

of Oregon. We will learn about specific famous trees as well as interesting cultural uses for various species of trees. Her presentation will include an entertaining quiz and an unforgettable method for identifying Northwest Evergreens. Ms. Appling's program is made possible by funding from the Oregon Council for the Humanities, an independent, non-profit affiliate of the National Endowment for the Humanities. OCH is dedicated to providing opportunities for life-long learning in communities throughout Oregon. For more about OCH or Oregon Chautauqua, contact Carol E. Hickman at 503-241-0543. Carnegie Room, McMinnville Public Library,

225 N. Adams St. For more about the talk call Erin Rainey at 503-435-8589.

April 25, Sunday, 8:00 am

Field Trip: Rowena Crest. Join us for our annual trip to the Nature Conservancy's Tom McCall Preserve in the Columbia Gorge. On this moderate hike, we will see many beautiful Gorge endemics, vernal pools, and spectacular views. Meet at the Linfield Ave. entrance to Murdock Hall at Linfield College. For more information or to pre-register, call Kareen Sturgeon at 503-472-0866.

Corvallis

April 3, Saturday, 10:00 am

Work Party: Corvallis Chapter Native Garden. Come learn some of the native plants that can be used in landscaping and restoration in the Willamette Valley. Volunteers will each receive a complementary native plant for their time and effort; snacks and refreshments will be provided. We will be working from 10:00 am to 12:30 pm at the Avery House, Avery Park, Corvallis. For more information please contact John Syring at 541-752-0414 or Carolyn Ver Linden at 541-737-5496.

April 12, Monday, 7:30 pm

Meeting: The Science of Botanical Art. Aaron Liston has graciously offered to give a repeat performance of his presentation on the works of Helen Gilkey previously given at the Hallie Ford Museum of Art in Salem. Helen Gilkey was a very active botanist and illustrator of the Northwest Flora, including being the primary illustrator of the *Jepson Manual of California Flora*. Avery House, Avery Park, Corvallis. For more information contact John Syring at 541-752-0414.

April 17, Saturday, 9:00 am

Workshop Series: Salix. Danna Lytjen & Nick Otting from the Salix Working Group will lead this workshop.

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.

April 24, Saturday, 9:00 am

Workshop Series: Asteraceae/Cichorieae (Dandelion group). Dr. Ken Chambers, OSU professor emeritus, will lead this workshop.

For both workshops:

Please bring dissecting equipment, and copies of Hitchcock & Cronquist and the Jepson Manual. OSU campus, Cordley Hall, room 1070, enter through northwest door by herbarium. Please register in advance by contacting John Syring at 541-752-0414.

Emerald

April 26, Monday, 7:30 pm

Meeting: Fighting Fires; Fighting Forests: The Ecological and Environmental Impacts of Fire Suppression.

Dr. Timothy Ingalsbee, Director of the Western Fire Ecology Center for the American Lands Alliance, will speak about why Smokey the Bear was wrong. From an ecological standpoint, forest fires can be beneficial and fighting them can be detrimental. Our forest ecosystems have evolved various adaptations to forest fires, and modern firefighting practices can adversely affect biological diversity and "forest health." Tim will address the ecological and environmental impacts of firefighting, and present alternative strategies for both protecting rural communities from wildfire while also restoring forest ecosystems with prescribed fire.

7:30 pm, Room 115, Science Building, Lane Community College.

May 10, Monday, 7:30 pm

Meeting: The Story of Metasequoia.

David Wagner, bryophyte expert, botany teacher, and former curator of the University of Oregon Herbarium, will tell us a dramatic, intriguing tale about the discovery of living *Metasequoia glyptostroboides* trees in China in the late 1940s. This discovery, David notes, was "like finding a living dinosaur" because *Metasequoia* had been originally described from fossils found all over the northern hemisphere.

7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

April 27, Tuesday, 7:30 pm

Meeting: Plant life of the Lewis & Clark trail (with an emphasis on the Columbia River Gorge). Jerry Igo, NPSO Mid-Columbia chapter president, will present slides and discuss native plants recorded in the journals of Lewis & Clark as they passed through the Columbia River Gorge in north central Oregon. Central Oregon Environmental Center, 16 Kansas St., Bend. For more info contact Reid Schuller at 541-317-1901 or 541-317-0199.

May 25, Tuesday, 7:30 pm

Meeting: The Oregon Flora Project—History and Current Activities. Dr. Linda Hardesty of the Oregon State University herbarium will discuss the project in detail. Central Oregon Environmental Center, 16 Kansas St., Bend. For more info contact Reid Schuller at 541-317-1901 or 541-317-0199.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com.

Mid-Columbia

April 2, Friday, 9:30 am

Field Trip: Catherine Creek, for world class spring wildflowers. Meet at south end of The Dalles bridge over the Columbia River, in the Lone Pine parking lot for car pooling before 9:30am departure. Plan for four to five hours afield. Jerry Igo, Leader.

April 7, Wednesday, 7:30 pm

Meeting: Identifying Plant Family Characteristics. More field botany with the live specimens. Learn wildflowers of the Mid-Columbia Region. The *Dalles Chronicle* Meeting Room, 317 East Third St. The Dalles.

April 10, Saturday, 9:30 am

Field Trip: Catherine Creek. Similar trip to April 2 for those who can't go during the week. Come both times and

see what a difference a week can make in bloom time. Meet at south end of The Dalles bridge over the Columbia River, in the Lone Pine parking lot for car pooling. Plan four to five hours afield. Jerry Igo, Leader.

April 18, Sunday, 10:00 - 4:00 pm

Event: Annual Wildflower Show.

Mosier American Legion Hall. Adjacent to the Mosier Post Office. We will display 250 to 300 labeled plant specimens. Come learn what they look like and what their names are.

May 1, Saturday, 9:30 am

Field Trip: May Day Among the Flowers. We will drive to several different places nearby and see the best of spring in the East Gorge. Same meeting place as other field trips, see above. Jerry Igo, Leader.

North Coast

For information on the North Coast Chapter, contact Janet Stahl at 503-842-8708 or jj@oregoncoast.com.

Portland

April 13, Tuesday, 7:00 pm

Meeting: Wake of the Flood—Delphinium Diversity in the Pacific Northwest. What links larkspurs and the Missoula Floods of the Pleistocene? Dr. Keith Karoly, Biology Professor from Reed College will report on his field and laboratory studies investigating the diversity of the lowland larkspurs of the Pacific Northwest, with a focus on the relationship between Nuttall's larkspur (*D. nuttallii*) and the pale larkspur (*D. leucophaeum*), a state-listed endangered species in Oregon. Fireside Room (#355), First United Methodist Church, 1938 SW Jefferson St., Portland. For more information contact Leslie Rossmell at 503-335-3987 or lrossmell@hotmail.com.

April 18, Sunday

Field Trip: Memaloose Hills. An East Gorge trip (near Mosier) of 6-7 miles, 800' gain elevation. Flowery meadows and oak parkland with basalt outcrop-

pings. Fields of balsamroot, shooting stars, larkspur, broomrape, *Trifolium macrocephalum*, *Lomatium columbianum*; maybe some *Suksdorfia violacea* and *Brodiaea howellii*. Call Beth, 503-226-7919, for meeting time and place.

May 2, Sunday, 10:00 am

Field Trip: East Gorge Vernal

Wetlands. Come enjoy a very showy hillside of Balsamroots, lupines, *Astragalus hoodianus* and also *Astragalus howellii*, which is rare in the Gorge. At the top are about five large vernal wetlands, with *Camassia quamash* and *Allium douglasii*, as well as many other vernal wetland species. If there is time, we will go a short distance to Chenoweth Table and see if the *Penstemon glandulosus* is blooming yet. Meet at the parking lot of the Columbia Gorge Discovery Center. Take I-84 east to the first exit for The Dalles, and follow the signs to the Discovery Center.

Siskiyou

All trip participants will be required to sign a disclaimer. For more information about any trip, call the trip leader.

April 10, Saturday, 10:00 am

Field Trip: Upper Table Rock. See a colorful display of spring wildflowers, including the uncommon Southern Oregon Buttercup. Moderate 2.5 mile hike, with 700 ft elevation gain. Meet at 10:00 am in Upper Table Rock parking area (From I-5 take exit 33 in Central Point; go east on Biddle Rd 1 mi; make a left onto Table Rock Rd and drive 5.2 mi, then turn right on Modoc Rd 1.5 mi). Leader: Marcia Wineteer, BLM Botanist 541-618-2200.

April 15, Thursday, 7:30 pm

Meeting: Rare Plants and Unusual EcoSystems of the Cascade-Siskiyou National Monument. Richard Brock and Richard Callagan will present information from their many years of botanical survey work in the Monument area. A look at some of the "objects of Scientific Interest" that led to the creation of the Monument, including; *Fritillaria gentneri*, *Calochortus greeni*, *Limnanthes floccosa bellingeriana*

and many more of the rare species found there. Also, a brief overview of the vegetation mosaic that tells the story of the convergence of ecoregions in this area of Southern Oregon. Room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

April 17, Saturday, 9:00 am

Field Trip: Star Flat (Illinois Valley).

See a myriad of unusual wildflowers such as California pitcher-plant, Waldo Rockcress, opposite-leaved Lewisia, and Siskiyou Mountains Pennycress along with more common but nevertheless beautiful wildflowers in an intriguing serpentine fen. Easy 2-3 mile hike.

Meet at 9:00 am on right (south) side of Selma Market parking lot in Selma, 20 mi south of Grants Pass on Hwy 199. Leader: Don Heinze, 541-955-7247.

Umpqua Valley

April 3, Saturday, 10:00 am

Field Trip: Oregon Dunes to View

Plant Communities and Associations.

Assemble for caravan or carpool at the BLM parking lot, 777 Garden Valley Blvd., Roseburg prior to 8:00 am departure or meet at the Oregon Dunes Visitor's Center at the junction of Hwy 101 and 38 in Reedsport at 10:00 am. Bring water and a lunch. For information call Richard Sommer at 541-440-0612.

April 8, Thursday, 7:00 pm

Meeting: Gardening With Native

Plants, presented by Donna Rawson, chapter member and owner of Oakhill Farms in Oakland along with Ron Hatt, chapter vice president. A list of plants in South and North County will be available as well as handouts of dry/wet/shade/fire/deer resistant plants. The hardest and easiest natives to grow will be discussed. Some giveaways will be available followed by a question and answer segment. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For information call Ron Hatt at 541-863-7024 or Donna Rawson at 541-459-2821.

April 24, Saturday

Field Trip: *Kalmiopsis* and *Cypripedium*.

In conjunction with the NPSO State Board meeting, Ted Shattenkerk, chapter president will lead a field trip to view the *Kalmiopsis fragrans* and the clustered lady's slippers. The *Kalmiopsis* are found on a rock formation up a hill off of Highway 138 and the clustered lady slippers are easily viewed at a wayside picnic area on 138. For information call Ted at 541-679-6953. There will be information available at the board meeting. Trip departure will be after the meeting, probably between 2:00 and 3:00 pm.

Willamette Valley

April 10, Saturday, 10:00 am

Field Trip: Bush Park and Deepwood

Estate. Wilbur Bluhm, professional horticulturist and an expert on plant species native to Oregon, will lead us on a 2-hour wildflower walk in Bush Park and the Deepwood Estate.

April 15, Thursday, 7:00 pm

Meeting: The Polk County Flora

Project—A Status Report.

Dr. Bryan Dutton, Western Oregon University professor, will present an overview of this ongoing Western Oregon University project. A primary project objective is to make Polk County flora available via an online interactive program. Computerized interactive keys and geographic information systems (GIS) data will be demonstrated. First United Methodist Church, 600 State Street, Room 225, Salem.

April 24, Saturday, 8:30 am

Field Trip: Native Plant Gardens in

Salem. We will tour some of the best native plant gardens in Salem and visit a nursery afterward. For more info call Aislinn Adams at 503-363-7308.

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.

Designing your Native Garden

Part I: April 3, Saturday, 1-3 pm

Part II: April 17, Saturday, 1-3 pm

Gain insight into how to design your own native plant garden. Create habitat for wildlife and reestablish native plant communities to create an inspiring refuge around your home. Take concepts learned in Part I and apply them to designing and assessing your own native garden in Part II. Spend the class working on your personal design with guidance and tips from Evelyn and David Hess of Lorane Hills Farm & Nursery. This class has a combined fee of \$25/\$30 (members/nonmembers). Pre-registration required.

37th Annual Glide Wildflower Show

April 24 & 25, 9 am - 5 pm

Glide Community Building, 20062 N. Umpqua Highway

(17 miles east of Roseburg, Oregon on Highway 138)

This annual show features over 600 species 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. Botanists will be on hand to answer questions. Suggested donation of \$2 per person is optional. A floral book and identification guide will be available for a nominal charge.

General public hours are from 9 am to 5 pm, both Saturday and Sunday. The hour between 8 and 9 am on both days is reserved for photographers only. Monday April 26, the show will open to school groups by advance reservations. For more information call 541-677-3797 or visit www.glidewildflowershow.org.

Arbor Week Celebration

April 4, Sunday, 10 am - 4 pm

Celebrate Oregon Arbor Week at our 3rd annual Arbor Week Celebration. Find treasures for your garden at the largest early-spring plant sale in the area. The celebration includes a bonsai display and a Tree Treasure Hunt activity for families.

Spring Wildflower Walk

April 18, 25, Sundays, 10 am - noon

Immerse yourself in the splendor of the great Arboretum's native spring wildflowers with David Wagner on 4/18 and Adrienne Schartz on 4/25. No two walks are the same—the wildflowers in bloom vary almost weekly throughout the spring. All walks meet at the Visitor Center, rain or shine. Suggested donation \$3 (MPA members free!)

The Art of Nature Photography

April 25, Sunday, 1-4 pm &

April 29, Thursday, 7-9 pm

Go beyond the snapshot to capture the essence of natural scenes and subjects on film. David Stone, local photographer and LCC instructor, teaches this class for individuals with some nature photography experience. Sunday's session focuses on instruction in composition and field photography. Thursday's session allows for discussion and feedback of your developed work. All camera types welcome. Fee: \$30/\$35.

Wildflower Festival & Plant Sale

May 16, Sunday, 10 am - 4 pm

Enjoy a display of hundreds of wildflowers and educational exhibits prepared by festival co-presenters, The Native Plant Society of Oregon. Other activities include a huge plant sale, children's activities, music, guided walks, and food and craft vendors. Suggested donation: \$3 per person or \$6 per family. Members free!

Shady Cove Wildflower Show

May 1 - 2, Saturday-Sunday, 10 - 4 pm

Shady Cove School

Multipurpose Building

The Wildflower Association of Shady Cove - Trail will again sponsor the 23rd Annual Wildflower Show. Over 200 live wildflower specimens found growing in the local area are identified by botanical and common names and will be on display. The show will include educational exhibits, a silent auction, raffles and a plant sale. A botanist will be on site to help identify and answer wildflower inquiries. Shady Cove is a rural community in the Upper Rogue Valley along the Rogue River. Take Hwy 62 north from Medford and follow the signs through town to Cleveland Street and turn left. For added pleasure there is a boutique and garden plant sale, a Quilt Show by the Material Girls, and an Art Fair by the Upper Rogue Artists.

Admission is by donation and proceeds go to benefit the Jackson County Fire District 4 to purchase Emergency Medical and Rescue Equipment. For more information call Call Fran Hazle 541-878-3576 or Clarisse Pitto, 541-878-3055.

North Mountain Park Nature Center Wildflower Walks

April 4, Sunday, noon - 2:00 pm

April 10, Saturday, noon - 2:00 pm

Marvel at spring's wildflower display on a leisurely stroll in Lithia Park. Learn identification tips from instructor Jim Duncan of NPSO and Marcia Wineteer of the BLM. Meet at the Ashland Parks and Rec. office parking lot, at 340 S. Pioneer in Ashland. Adults \$3.00, Children \$2.00. Please call 541-488-6606 to register.



25 Years of Wildflower Posters

by Gail Baker & Rhoda Love, Emerald Chapter

Natural historians in general, and botanists in particular, are trained observers and many can translate what they see into attractive illustrations. Botanical drawings and paintings have been the centerpiece of posters advertising the annual May Wildflower Festival at Mount Pisgah Arboretum since the second year of the festival. The poster collage on this page provides a pictorial history of the diversity of poster design beginning with the 1981 poster featuring the fawn lily, *Erythronium oregonum*, painted by Rhoda Love. At least 16 flower species have graced the posters through the years and two subsequent posters have included the *Erythronium*, one by Anne LoCascio, and a second by Tanya Harvey, a testament to this flower's beauty and abundance in the Northwest. Several students in the botany courses at Lane Community College (LCC) have also shared their drawing talents including a beautiful depiction of dogwood drawn by Tom Baxter.

The large format poster was initiated in 1998 with art and design by Tanya Harvey. Since 2000, a theme for the festival has been chosen, with featured plants highlighting that theme. To provide even more connection between the poster plant and the festival theme, plant profile articles are written by LCC students and faculty and appear in newsletters of the Arboretum and the Native Plant Society of Oregon. This year's poster features our native orchid, *Calypso bulbosa*, abundant along the Arboretum's Incense Cedar Trail during April; its profile by Rhoda Love was published in last month's NPSO *Bulletin*. The orchid is a species with a diversity of ecological and botanical stories that has been used yearly during field trips and walks to illustrate multiple interactions in the plant world.

In May, Dr. David Wagner will give a program about the history of the Wildflower Festival at Emerald Chapter's public meeting. Everyone is cordially invited to the 25th Anniversary celebration. Additional information about the schedule of events was included in the March *Bulletin*.

Are you interested in collecting flowers for the beautiful, informative display at the Festival this year? Please contact Rhoda Love at rglove@oregon.uoregon.edu or 541-345-6241 and she can help get you started with collection guidelines as well as specific areas and species to select. It's fun—come be a part of the show!

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 visit their website at <http://www.berrybot.org>.

Mosses and Lichens Up Close April 3, Saturday, 10am-12pm

This class will provide a closer look at mosses and lichens and you'll learn more about their structure and role in the ecosystem. Bring a hand lens or borrow one of ours; dress for a stroll in the garden. \$10 (\$8 BBG Members).

A Season of Wildflowers in the Columbia Gorge April 7, Wednesday, 7pm-9pm

Paul Slichter, a Gresham biology teacher and creator of "Flora Northwest," a superb PNW wildflower web site, will share his knowledge of where and when to find favorite wildflowers in the Gorge. \$10 (\$8 BBG Members).

The Berry B.G. Spring Plant Sale April 17, Saturday, 11am-3pm

Whether your love is rhododendrons, primulas, penstemons, alpines, or native plants, plan to be there early for the best selection. Montgomery Park, 2701 NW Vaughn, Portland. (BBG Members get in early at 10am!)

Landscaping Nature's Way April 18, Sunday, 1pm-3pm

Biologically healthy landscapes that support a variety of plants, animals and insects are great places for humans, too! Eugene consulting horticulturalist Whitey Lueck will discuss plant selection, soils, irrigation and maintenance of a naturally landscaped yard. \$15 (\$12 BBG Members)

Nature Journaling April 20-May 11, Tuesdays, 10-1pm

Naturalist and watercolorist Jude Siegel will share simple techniques and encourage you to explore drawing and watercolor skills and increase your awareness of nature. A supply list is mailed to registrants. \$60 (\$48 BBG Members).

The Mountains of NE Oregon

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Elkhorn and Greenhorn Mountains

Between the Wallowas and the Strawberries, these ranges are geologically complex and heavily forested; the higher peaks are heavily dissected by Pleistocene glaciers. The Greenhorns are a little-visited knot of mountains north of US 26, drained by the North Fork of the John Day River. The most attractive botanizing is in the trail system around Vinegar Hill (8131'), Dupratt Springs, and Indian Rock (7353'), which offer some limestone exposures and a tempting range of subalpine habitats.

The abrupt eastern face of the Elkhorns parallels Interstate 84 for 30 miles along the west side of the Powder River Valley. Much of the range is remote wilderness where such boreal outliers as *Bupleurum americanum* and *Geum rossii* are accessible only to hardy backpackers.

At 7100' the Anthony Lakes ski area, 18 miles east of Interstate 84 on Road 73, offers easy access to subalpine lakes and meadows and granite peaks. There is an extensive trail system here. The shortest and easiest, and one of the most scenic, is the Hoffer Lakes Loop (2 miles). Beginning at the end of the road on the west side of Anthony Lake, the trail climbs along a stream to wet meadows full of *Gentiana calycosa*, *Dodecatheon jeffreyi*, *Kalmia microphylla*, and *Allium validum*. Where the trail crosses a ski area service road, turn right to return to the parking area; along the road, straw-yellow *Penstemon confertus* is plentiful, growing with a beautiful pale-pink form of *Ipomopsis aggregata* that is pollinated by a day-flying hawkmoth. More ambitious hikers can return to the Hoffer Lake trail to complete a 7-mile circuit of Angell Peak, Gunsight Mountain, and another wet meadow at Black Lake.

More ambitious hikers may wish to sample sections of the 30-mile long Elkhorn Crest trail. The 11-mile loop from the Peavy Cabin trailhead at the end of Road 380 (off Road 73, southwest of Anthony Lakes) follows the Peavy trail to 7500' Cracker Saddle,

where several trails converge. Return by heading north on the Elkhorn Crest trail, then back to your car by way of the steep Cunningham Creek trail. Another very tempting route that I've never had time to complete follows the Elkhorn Crest trail north from 7800' Marble Pass (on Road 6510, west of Baker City) to Elkhorn Peak (8930 feet) or Twin Lakes, a round trip of 10

to 12 miles. Fifteen miles west of Anthony Lakes at the intersection of Roads 73 and 51, it's worth a short walk to the riverbank at the North Fork John Day Campground to see *Polemonium occidentale* and *Corydalis caseana* var. *cusickii*.

Next month: The Aldrich, Strawberry and Wallowa Mountains.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C.

Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County's five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send \$15 payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2003). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt 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. Fourth printing, February, 2004. Order your copy today! **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.**

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 Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Applications for The Jean Davis Scholarship Award are Available

by Thomas Jenkins

The Jean Davis Memorial Scholarship fund was established in August 1979 in memory of Jean Davis, who passed away while on a field trip in the Cascades with several other members of the Willamette Valley Chapter.

Jean was a charter member of the Willamette Valley Chapter, and her husband felt this was the way he wanted to honor her. A request for donations to the fund in lieu of flowers was made and several sizeable donations were received. Mr. Davis then increased the fund to \$10,000 and a committee was formed to set up guidelines for the recipients of the scholarships.

After deliberations it was decided that the recipient must be one that will be attending an Oregon college, and plans to study plant systematics or plant ecology. The recipient is to have completed at least two years of satisfactory college work by July 1 of the year of application, and be a full time student. The award is in the amount of \$1000 and will be paid directly to the school of choice, to be used toward tuition within the following academic year.

Applications are available from:
Thomas Jenkins,
Chairman, Scholarship Committee
14380 Salt Creek Rd.
Dallas, OR 97338

They must be completed and sent to this address no later than May 1 of the year of application. The decision will be made by June 1 and is usually announced at the NPSO annual meeting.

Since the establishment of the Fund, there have been donations in memory of other NPSO members. Any donations will be gladly accepted.

Donations to the scholarship fund are tax deductible and are welcome at any time. All interest earned from the donations is apportioned to as many scholarships as possible in the spring of each year, at \$1000 each. Communications regarding the Fund should be addressed to Thomas Jenkins at the address above.

Rules for Scholarship Awards

- 1) Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
- 2) Scholarships are awarded in the amount of \$1000 to worthy students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
- 3) Awards are made in the following manner:
 - a) A certificate is presented to the recipient.
 - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
- 4) If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Jean Davis Memorial Scholarship Fund.
- 5) Applicants are required to submit:
 - c) In their own handwriting, a statement of academic and career intent.
 - d) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
 - e) Full academic record (transcript).
- 6) The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than May 1. The award will be made by June 1.
- 7) Scholarships cannot be granted to Scholarship Committee members or their relatives.

New Key to Mosses Just Published

Norris, D. H. and J. R. Shevock. 2004. Contributions toward a bryoflora of California. II. A key to the mosses. *Madroño* 51(2):133-269.

The California Botanical Society just published a series of keys to the mosses of California that contain all of the mosses currently documented for the state of Oregon as well. This complete issue of the journal *Madroño* can be ordered directly from the California Botanical Society for \$15 (includes postage). Order forms are available at www.calbotsoc.org or contact:

Jim Shevock, NPS Research Coordinator
U.C. Berkeley, 337 Mulford Hall, MC#3114
Californian Cooperative Ecosystem Unit (CA-CESU)
Berkeley, CA 94720-3114
510-643-0665
jshévock@nature.berkeley.edu

In Memoriam: Bonnie B. Hall, 1931-2004

by Esther McEvoy and the Corvallis Chapter

Our dear Bonnie Hall of the Corvallis Chapter died at her home on February 18 of pancreatic cancer. She was born in Portland, Oregon to Edwin and Alice Birkemeier. She received a BA in biology from the University of Oregon in 1953 and a MA in zoology from the University of California, Berkeley. In zoology classes at Berkeley she met Jim Hall and they were married on September 25, 1955. In 1957 they moved to Ann Arbor, Michigan, where Jim entered graduate school. Based solely on her self-taught skills in illustration gained in completing her master's thesis on the life history of an aquatic fly, she got a full-time job as an illustrator in the University of Michigan Museum, work that supported the family.

Bonnie and Jim came to Corvallis in 1963, along with their two daughters. She worked as an illustrator for 30 years in the now nonexistent Department of Entomology at Oregon State University. Bonnie's illustrations included renditions of insects in pen and ink, carbon dust, and scratchboard.

In 1989, Bonnie was asked to illustrate the Oregon swallowtail butterfly, the state insect, for the centennial of the Department of Entomology. Though she designed the silkscreen print, she did not have the technical skill to produce the final prints, having to rely instead on a local artist friend. This frustration led her to take a serigraph class at Linn-Benton Community College in 1991. Bonnie was undergoing chemotherapy for her second breast cancer while creating her first serigraph print, a deep blue rendition of *Iris tenax*, in the spring of 1992.

Bonnie created five botanical serigraph prints in 1992. That November she had a mini exhibit at her home and invited friends to view her renditions of native wildflowers. Her friends wished to purchase the captivating works of art and thus began the adventure of printmaking for Bonnie.

This same year Bonnie and Jim joined the Native Plant Society of Oregon. Bonnie became an ardent

supporter of NPSO. She was an active member of the Corvallis Chapter. Both Bonnie and Jim came to local meetings and attended many of the annual meetings held around the state.

She was a true scientific illustrator of each of her botanical subjects. She first sketched her plants in the field to capture the true natural form of the plant. Then she visited the OSU herbarium to check on the details of her subject and fashion her notes about each species. She wrote a lovely caption for the back of each of her prints that explains the scientific name of the plant, notes on the habitat, and personal notes about the plant. Her native wildflower prints portray the subject with scientific detail, accuracy, and simplicity. One of her artist friends remarked that she almost always captured the "gesture" of the plant, a critique that pleased her. She was very concerned that her subject should be rendered as closely as possible to how it appears in nature.

The first NPSO committee of the Friends of the Oregon Flora Project approached Bonnie in June 1998 with ideas for fundraising for the Oregon Flora Project. Bonnie offered to sell her *Erythronium oregonum* prints at cost for the project. Many prints were sent to generous donors. The Oregon fawn lily is the logo for the OFP. Thus Bonnie helped us launch the fundraising for Friends of the Oregon Flora Project.

Bonnie also created two T-shirt designs for fundraising for the Corvallis Chapter. The first was the Trilliums, fashioned after her 1993 screenprint. The second was the Peacock Larkspur *Delphinium pavonaceum*, the logo of the Corvallis chapter. She created a beautiful tote bag with three Trillium flowers for the NPSO's 40th anniversary meeting, held in Corvallis in 2001. She also created a number of different T-shirts from her prints for the Entomology Department and the Botany Department. Her note cards and prints were also donated at cost to the Botany Department, where sales benefited the students. Since 1992 these sales have



created a substantial endowment, and the Department is planning to name the fund in Bonnie's memory.

One measure of her approach to life is contained in this caption that she wrote to accompany her "Spring Beauties", which she entered in a cancer survivors' art exhibit in the mid 1990s, shortly after her second experience with breast cancer:

*Coming face to face with Mortality
Focuses on Life as a Circle.
Could acquired skills be brought round
To extol Nature's priceless treasures?
Begin with this humble harbinger of
spring
(A mustard, Family Cruciferae, four
petals cross-like)
Bearing its ephemeral little cross at the
head of
The jubilant procession of Wildflowers to
follow.
Try.*

Bonnie Hall
So far a Survivor

Bonnie has left us a beautiful legacy of wildflower prints to remind us of our rich natural heritage. Donations in memory of Bonnie can be made to the Native Plant Society of Oregon. It was her wish that these donations go to the Oregon Flora Project.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

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

Address _____

City _____ State _____ Zip+4 _____

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

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
3927 Shasta View St.
Eugene, OR 97405-4442

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$18

☐ Family – \$24

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

Leighton Ho Memorial Field Botany Award Fund \$ _____

Rare and Endangered Plant Fund \$ _____

Friends of the Oregon Flora Project \$ _____

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.

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Brown's Peony (Paeonia brownii), was Bonnie Hall's last print and one of her finest. For more about Bonnie's life and work see the article on p.46.

In Bonnie's words (text to accompany the print):

There really is a wild peony in the Pacific Northwest, but only just this one species. It is big and showy, and yet easily overlooked. No wonder the intrepid Scottish plant collector David Douglas considered finding the peony one of the most important events of his travels. Just 20 years after Lewis and Clark wintered on the Pacific Coast, Douglas systematically explored some of the same territory alone, gathering specimens for the Horticultural Society of London. He collected the peony in 1826 in the Blue Mountains and honored it appropriately with the name of Robert Brown, a fellow Scot and eminent British botanist of the time.

I first met Brown's peony along the Little Blitzen River on Steens Mountain where striking dried seedpods flanked the trail in late summer. To see foliage and flowers required other places other years. Look for the deeply incised thick green foliage sheltered under sagebrush and pines on the drier eastern side of the Cascade Range and throughout much of the arid Far West.