



Bulletin

of the

Native Plant Society of Oregon

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

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OCTOBER 2003

Summer Intern Report

Cook's Desert-parsley at the French Flat Area of Critical Environmental Concern

by Beth Lawrence

The following is the third in a series of articles in which NPSO/Institute for Applied Ecology interns discuss their activities during the 2002 field season. Interns participated in monitoring, restoration and other research projects conducted by IAE staff throughout Oregon during the summer of 2002. The projects were focused primarily on threatened and endangered plant species in eastern Oregon, the Siskiyou, coastal areas, the Cascades, and the Willamette Valley. In this article, Beth Lawrence discusses monitoring efforts with Cook's desert-parsley and its habitat at the French Flat Area of Critical Environmental Concern. Internships are jointly funded by NPSO, IAE, and federal agencies. For more information on this internship opportunity, please contact IAE at kayet@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

As an Institute for Applied Ecology (IAE)/Native Plant Society of Oregon (NPSO) intern this summer, I had the opportunity to discover and explore many of the botanical delights of Oregon. I am grateful to both NPSO for helping to fund this experience, and to Tom Kaye and the IAE crew for their wonderful instruction in the art and science of rare plant conservation. Below is a glimpse into the Cook's desert-parsley (*Lomatium cookii*) project we conducted at the French Flat Area of Critical Environmental Concern in southern Oregon during the summer of 2002.

French Flat

The French Flat Area of Critical Environmental Concern (ACEC) is a remarkable 656-acre tract of land administered by the Medford District BLM in southwest Oregon's Illinois River Valley. The ACEC was designed in 1995 to protect the unique botanical, geological, and wildlife values that exist upon this extraordinary landscape. The site encompasses some of the best

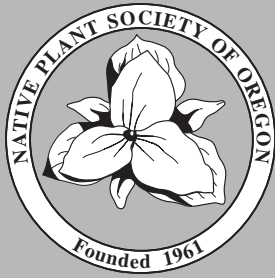
remaining examples of valley bottom plant communities in the region, as well as a high concentration of rare plant species. It is part of the Klamath Mountains Ecoregion, which is considered among the most important in the state for abundance of rare plants and is renowned as a center of endemism (Kaye et al. 1997).

The distinctive geology of French Flat is a substantial factor contributing to the diverse flora found here. French Flat is a Pleistocene alluvial terrace of the Illinois River surrounded by serpentine ridgelines. Serpentine is a term used to describe ultramafic rocks and soils that are characterized by a low calcium to magnesium ratio and contain high levels of heavy metals. Serpentine soils are unique, often giving rise to distinct plant associations. While plants have varying degrees of tolerance to these stressful soil conditions, natural selection promotes the survival of plants with adaptations suitable for life within these harsh parameters. As a result, high rates of endemism are found

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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 npsoc

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The submission date is the 10th of each month for the following month's issue except for the Aug./Sept. issue which is July 24. Send submissions by e-mail to bulletin@NPSOregon.org.

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.

Request For NPSO Fellows Nominations

by Fellows Committee: Shane Latimer, Kelli Van Norman, Rhoda Love, Veva Stansell

The Fellows Committee is ready to receive nominations for the year 2004. Nominations may be made by Chapters, individual members or the State Board under the following guidelines:

Nominees will be members who have given outstanding service to the Native Plant Society of Oregon (NPSO). They may have been instrumental in establishing the State Organization or a Chapter, or produced distinguished editorial contributions, or served as an inspirational teacher of botany. They may have in other ways contributed valuable work relating to native plants or to the goals of NPSO.

The nominating group or person should prepare a formal letter of nomination for consideration by the NPSO Fellows Committee. The letter should include detailed biographical and background information about the nominee. A photo of the nominee suitable for an article in *Kalmiopsis* should be

provided by the nominator.

After review of the nominating letters, the Committee will make a recommendation to the State Board. Acceptance as Fellows will be by vote of the Board of Directors at a State Board Meeting. Fellows will receive a framed plaque and a life membership in NPSO, and will be featured in an article in *Kalmiopsis*.

The NPSO Fellows Committee asks that letters of nomination for the year 2004 be sent by December 1, 2003, to Veva Stansell at the address below. Nominations will be presented to the Board of Directors at the January Board meeting.

For more information please contact:

Veva Stansell
PO Box 6077
Pistol River, OR 97444-1575
541-247-7153
vstansell@harborside.com



A good cone year for Noble Fir (*Abies procera*) on top of Huckleberry Mountain near Oakridge. Looking northeast from the fire lookout you can also see the large ridgetop open area of Grasshopper Meadows as well as the Three Sisters and Broken Top.

TANYA HARVEY

Blue Mountain

For information on the Blue Mountain Chapter call Jerry Baker at 541-566-2244.

Cheahmill

October 23, Thursday, 7:00 pm

Meeting: Building a Greenspaces Legacy.

Ron Klein, with Metro Regional Parks and Greenspaces, will speak on the efforts Metro is making to preserve our natural heritage through a web of regional parks and greenspaces linked together with a system of trails. He will update us on all that has been accomplished as well what needs to be done to assure parks and greenspaces continue to play a vital part in protecting the nature of our region. Carnegie Room, McMinnville Public Library, 225 N. Adams Street. For more info contact Erin Rainey, 503-435-8589 or erin.rainey@baileynursery.com.

November 9, Sunday, 9:00 am

Workshop: Mushroom Identification Primer.

Begin to identify the major families of gilled mushrooms (the agarics) and main two genera of boletes. Several prominent species will also be covered. Two hours of presentation and one hour of hands-on practicum are included. Bring your own collections to the workshop for identification. 9:00 am-12:00 pm at Linfield College, Murdock Hall 208. \$25/participant, payable at the workshop. Register by e-mail (jmurphy@linfield.edu) or phone (503-883-2704) at least 7 days prior to the workshop. Just give the names and numbers of people you are registering.

Corvallis

October 13, Monday, 7:30 pm

Meeting: Kincaid's Lupine and the Fenders Blue Butterfly.

Paul Severns will give a presentation about rare plant/rare insect interaction and how the NPSO can help. Avery House,

Avery Park, Corvallis. For more info contact John Syring at 541-752-0414.

October 19, Sunday, 1:00 pm

Workshop: Propagating Perennials and Shrubs.

Loren Russell and Esther McEvoy will lead a propagation workshop at Willamette Gardens, 3290 SW Willamette Avenue, Corvallis from 1:00 - 3:30 pm. Bring gloves, a trowel, clippers and any gallon pots you might have around the house. For info or to register call Esther at 541-754-0893.

October 25, Saturday, 10:00 am

Work Party: Corvallis Chapter

Native Garden. Come learn some of

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.

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.

November 1, Saturday

Field Trip: Valley of the Giants and vicinity.

Tentative. For final details see November *Bulletin* or contact Dan Luoma at 541-752-8860.

November 10, Monday, 7:30pm

Meeting: Is Wildfire Good or Bad for Rare Plants?

What we're learning in the Siskiyou Mountains with Umpqua swertia in the Biscuit fire of 2002. Tom Kaye of the Institute for Applied Ecology will share preliminary observations from post fire monitoring. 7:30pm at the Avery House, Avery Park, Corvallis. For more information please contact John Syring at 541-752-0414.

Emerald

October 27, Monday, 7:30 pm

Meeting: Walking Amongst the Elders—Old Growth Forests in the Cascades.

Join author and ecologist John Cissel for a talk on the value and variability of old growth forests in the Cascades of Oregon and Washington. 7:30 pm, Room 115, Science Building, Lane Community College, 4000 E. 30th, Eugene.

November 24, Monday, 7:30 pm

Meeting: Fighting the Good Fight—The Biological Control of Weeds in Oregon.

Join Oregon Department of Agriculture entomologist Eric Coombs for his talk and find out why Oregon tops the nation in successful utilization of biological control of noxious weeds. Research and a careful screening

process play a large role, but then, so do the insects! Come meet a few hungry weevils, moths, and beetles and watch the purple loosestrife, dalmation toadflax, and diffuse knapweed disappear. 7:30 pm, Room 115, Science Building, Lane Community College.

December 15, Monday, 7:30 pm

Meeting: Annual Members Slide Show/ Christmas Get-together. Bring 5-10 slides and some snacks to share, if you wish. Come admire others' slides if you don't have your own. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

For information on the High Desert Chapter, contact Reid Schuller at 541-317-1901.

Klamath Basin

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

Mid-Columbia

October 1, Wednesday, 7:30 pm

Meeting: Fall Native Planting Workshop. Tips on starting your favorite wildflowers, grasses, shrubs, trees. Bring five pots, potting soil, seeds you have collected, and a sprit of adventure. Mike Igo will have additional seeds on hand. Get a headstart on next spring. Members from other chapters and newcomers are invited to share in our hands-on workshop. Columbia Gorge Discovery Center. Exit 82 off I-84 in The Dalles and follow the signs.

November 5, Wednesday 7:30 pm

Meeting: Exotic Dancers on our Roadsides. Noxious weeds in our midst. Our annual study and quiz of the noxious weeds that we need to be aware of, and involved in controlling. An update on weed problems in the Columbia Gorge. All are welcome. Columbia Gorge Discovery Center.

December 3, Wednesday 7:30 pm

Meeting: Berried Treasure, Wild Edible Fruits, Nuts, and Berries from our area. A study of the natural bounty that grows wild in our region, with a look at Ethnobotany, and contemporary ethical harvesting. Jams, jellies, nutbreads, and wine-tasting included. All are welcome. Columbia Gorge Discovery Center.

North Coast

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

Portland

October 11, Saturday, 10:30 am

Field Trip: South Prairie Bog. See a natural cranberry bog with (hopefully) ripe and pickable cranberries. Bring footwear that can get a little wet and a change of shoes. We will also stop at the "ice cave" and take a walk at the natural arches to see the vine maple in Fall color. All three stops are within 15 miles of Troutlake. Meet at the Troutlake Ranger Station at 10:30 am.

(about a 2-hour drive from Portland)
Directions: I-84 east to third Hood River exit, cross bridge to Washington, left on Hwy. 14, in a mile or two turn right on Hwy. 141, go about 20 miles to Troutlake. Go left at the filling station. The ranger station is a mile or two farther. For more information call Barbara Robinson, 541-296-5334.

October 14, Tuesday, 7:00 pm

Meeting: Mushrooms. David Lebo, an ecologist with the Forest Service in the Mt. Hood National Forest, will present us with a program on mushrooms. 'Tis the season! David was the President of the Klamath Chapter of NPSO for two years. First United Methodist Church, Fireside Room (#355) located at 1838 SW Jefferson St. in Portland. For more info call Dee White at 503-775-2909.

Siskiyou

October 16, Thursday, 7:30 pm

Meeting: The Effect of the Biscuit Wildfire on *Frasera umpquaensis* in the Northern Siskiyou Mountains. by Tom Kaye from the Institute for Applied Ecology. *Frasera umpquaensis*,

Friends of the Oregon Flora Project



www.oregonflora.org

Many of our generous Friends contribute regularly to the Flora Project, knowing that their donations are helping produce a beautiful and useful collection of botanical references. But would you enjoy a little botanical beauty for your home or office right now? A stunning artprint of the flowers of Iron Mountain is for sale and available at www.photoquery.com. Flora Project Friend and photographer Bob Ross is donating 40% of the proceeds from each print to the Oregon Flora Project when you designate the Friends as recipient. These posters serve as a wonderful reminder of the botanical treasures your support of the Flora Project is helping to catalogue. Order yours today!

Send your contributions to:

Friends of the Oregon Flora Project, P.O. Box 402, Corvallis, OR 97339-0402
Please make checks payable to NPSO, attn: Oregon Flora Project

Umpqua swertia, is a candidate for endangered species listing by the Oregon Department of Agriculture. We will learn the biological and ecological uniqueness of this species in the Gentian family. Tom has been monitoring natural population dynamics of Umpqua swertia in the Bear Camp area for the last eight years. Sharing preliminary observation from post fire monitoring, Tom will explore with us the possible effects of the Biscuit fire on these Siskiyou populations. Room 171, Science Building, Southern Oregon University in Ashland. For more information call Cynthia Maclaren at 541-482-0899.

Umpqua Valley

October 9, Thursday, 7:00 pm Meeting: Topic to be Announced. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For program information call Ted Shattenkerk at 541-679-6953.

October 25, Saturday

Field Trip: Mushrooms. Umpqua Watersheds, Inc., has invited NPSO on a mushroom field trip in honor of Jack Hausotter. For information call Goeff Niles at 541-496-3886.

November 1, Saturday, 8:00 am

Field Trip: Three Mile Lake in Oregon Dunes. Short hike to view huge Sitka spruce and associated vegetation; and, if time permits, take a huckleberry excursion. Car pool or caravan from BLM, 777 Garden Valley Rd., Roseburg at 8:00 am. Or meet at 10:00 am at Oregon Dunes National Recreation Area Headquarters, Highways 101 and 138. For information call Richard Sommer at 541-440-0612.

Willamette Valley

October 11, 9:00 am

Work Party: Fairview Wetlands Restoration Project. The City of Salem needs volunteers to plant native vegetation and create a trail system along parts of a 40-acre urban wetland and prairie area in the Fairview

industrial complex in Salem. Contact Alan Pennington, Natural Resources Outreach Specialist at 503-588-6173, or apennington@mail.open.org.

William Cusick

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

NPSO State Officers Needed

by Veva Stansell, Nominating Committee Chair

The Nominating Committee is on the loose again. We are looking for candidates for State Officers: President, Vice President, Secretary, Treasurer and three Directors-at-Large for the year June 2004-June 2005.

A Brief Job Description

Travel (think short vacation from the daily grind) four times a year to meet with others with similar interests. Exposure to what's happening in the world of plants. Opportunity to exercise creative thinking. Pay is outa sight (non-existent) but you will be rewarded with the knowledge that you have a hand in conservation of plants, education and enjoyment of Oregon's native vegetation. No experience necessary, just an interest and willingness to work with others in guiding NPSO. Talk to incumbents, they can tell you what fun it is.

If you know someone who might be interested, please encourage them. Chapter Presidents, please present this opportunity to your members. Give them a chance at these great positions. You must ask permission to nominate someone, and they will be asked to provide a short biographical sketch.

For more information please contact:

Veva Stansell
PO Box 6077
Pistol River, OR 97444-1575
541-247-7153
vstansel@harborside.com.



TANYA HARVEY

Ageratina occidentalis finds a home in the cracks of the fabulous rock formations of Gearhart Mountain in Southeastern Oregon.

Mount Pisgah Arboretum Events

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

Kalapuya Harvest Walk October 5, Sunday, 10am-Noon

Discover the culture and harvest practices of the Kalapuya on this informative walk led by Arboretum nature guide Adrienne Schartz. Suggested donation \$3. Meet at the Visitor Center, rain or shine.

Willamette Valley Fall Ecology Walk October 11, Saturday, 10am-Noon

Join botanist Dr. Rhoda Love on an autumn hike to the top of Mount Pisgah. Learn about the ecology and natural history of the Southern Willamette Valley. Suggested donation \$3. Meet at the Visitor Center, rain or shine.

Tualatin Hills Nature Park's Fall Native Plant Sale

November 8, Saturday, 12 - 4 pm 15655 SW Millikan Blvd., Beaverton

Fall is the best time of the year to plant. Select from a wide variety of trees and shrubs in all price ranges for every spot in your garden. All proceeds go towards future park improvements. For more info call 503-644-5595.

Mending Natural Systems in our Cities

October 9 & 10, Thursday & Friday Hendricks Park, Eugene

Workshop on examining community stewardship, ecosystem repair, and environmental education in urban areas. Speakers include Robin Kimmerer (see "Moss Walk" next page), Jan Vandertuin and our own Bruce Newhouse. To register visit the web at <www.ci.eugene.or.us/pw/parks/hendricks> or call the office at 541-682-5324.

Changing Seasons Walk October 19, Sunday, Noon-2pm

Ecologist Nick Sky will lead you on the autumn trails of the Arboretum. Suggested donation \$3. Meet at the Visitor Center, rain or shine.

Mushroom Festival & Plant Sale October 26, Sunday, 10am-4pm

Co-presented by the Cascade Mycological Society and Lane Community College. Our annual celebration includes one of the largest mushroom displays on the West Coast, a plant sale, a scarecrow contest, children's activities, hayrides, craft vendors, food, music, wine tasting, and more! Suggested donation for nonmembers: \$5 per person, \$10 per family.

Willamette National Forest Nature Walks

October 10, Friday, 9:00 am Fall Colors in the Forest

Take a drive through the intense yellows of bigleaf maple and deep reds of the lava fields covered in vine maple. We'll take a short hike to the glacial cirque of the Middle Pyramid to see a spectacular fall display. Meet at Sweet Home Ranger District. Bring lunch and water; transportation is provided. Fee \$10.00 (\$5.00 with Golden Age/Access Card). Sign up in advance by calling Alice Smith at 541-367-9215.

November 7, Friday Mushroom Hike at Hackleman Creek Old Growth Grove

Enjoy a few easy miles in old growth forest known for its fungal diversity. Date subject to change-weather dependent. Bring lunch, water, and raingear; transportation is provided. Fee \$10.00 (\$5.00 with Golden Age/Access Card). Sign up in advance by calling Noel Bacheller at 541-367-9230.

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>.

Native Plant Gardening Series

Register for all or individual classes. Each class \$15 (\$12 BBG Members), or \$45 (\$36 BBG Members) for all four.

Gardening with our Favorite Native Plants

October 2, Thursday, 9:30-12:30pm

Native Plants in the Garden Field Trip

October 9, Thursday, 9 am-1 pm

Small Garden Design

October 16, Thursday, 10 am-12 pm

Propagating Native Plants

**October 23, Thursday, two sessions,
10am-12 pm or 12:30-2:30 pm**

Natural Pest Control:

The Long and the Short of It

October 18, Saturday, 10 am-noon
Free!

Discovering Lewisia

October 21, Tuesday, 7pm-9pm

Burl Mostul of Rare Plant Research will share from his years of experience in cultivating lewisia. He'll present a slide show of species in their habitats, followed by examples of his own varieties in the home garden. \$15 (\$12 BBG Members).

Nature Journaling with Pen and Watercolor

October 1-23, Wednesdays, 10-1pm

Naturalist and watercolorist Jude Siegel will share simple techniques in her relaxed way, encouraging you to explore drawing and watercolor skills and increase awareness of nature. \$60 (\$48 BBG Members).

Sidalcea Summer Report

by Rhoda Love, Emerald Chapter

The fall rains have begun, our summer surveys of historic and potential sites for Henderson's checkermallow along the Oregon coast have come to an end, and it is time to report the results. Overall the outlook is bleak, but there are a few bright spots, as you will note below.

Perhaps readers recall from my previous *Bulletin* articles (May, 2003; Aug.-Sept., 2003) that Henderson's Checkermallow (Malvaceae: *Sidalcea hendersonii*) grows in scattered salt marsh estuaries from Douglas County, Oregon to British Columbia, Canada; that the type specimen was found by Louis Henderson in Oregon near the mouth of the Columbia River in 1887, and that same year by Thomas Howell at the mouth of the Umpqua. Subsequently the plant was collected in at least ten locations in Clatsop, Tillamook, Lane and Douglas Counties by such botanists as Morton Peck, LeRoy Abrams, C. L. Hitchcock and Henderson himself. The last known vouchered collection in Oregon was by Hitchcock near Reedsport in 1951.

Sadly, in the last half-century, there have been no new collections in our state; and, although the species has

been seen and documented in Washington and Canada, it is very seldom encountered or noted in Oregon. The exception is the Siuslaw River estuary in Lane County where The Nature Conservancy has been monitoring a site on Cox Island.

This summer dedicated searchers along the coast have been hunting for Henderson's checkermallow. The surveys were well organized and carried out, and we heartily thank the participants, some of whom are mentioned below. Historic sites were visited and other potential habitats surveyed—mostly, I am sorry to report, with negative results. Here are some of the details, county by county.

Clatsop County: Kathleen Sayce, Nancy Eid and Melanie and Steve Gisler searched on foot, with binoculars, by canoe and kayak along the Lewis and Clark River, Young's Bay, and Ecola Creek with negative results. They plan to explore Swash Lake and Trestle Bay next summer. They located an excellent site near Neacoxie Creek for possible restoration plantings.

Tillamook County: Michelle Michaud and friends searched Bob Straub State Park but did not find the

plant. I have not yet received a report on searches of Sand Lake/Whalen Island.

Lane County: This was the bright spot in our summer's work. As I wrote in the Aug-Sept. *Bulletin*, *Sidalcea hendersonii* is alive and well on Cox Island and was also found this year at several nearby sites. The good news is, however, clouded by the fact that, while Nature Conservancy ownership protects Cox Island, the other sites are presently on private property. Seeds were collected late this summer from Cox Island and Neal Hadley reports that the Nature Conservancy is supporting propagation efforts.

Douglas County: I must confess I had high hopes for the Reedsport site since we know *Sidalcea hendersonii* was there as recently as 1951. Alas, the plant was not found this summer. Nancy Brian and associates searched the BLM's Dean Creek Elk Viewing area without success; and Neal Hadley, Glenn Miller and Richard Sommer boated the Smith River-Umpqua estuary north of Reedsport with no luck. They reported finding excellent potential habitat on Blacks Island—a possible site for reintroduction.

In the light of these disappointing results, NPSO will petition the Oregon Department of Agriculture for rare plant listing of *Sidalcea hendersonii*, and we will present data to the US Fish and Wildlife Service that we hope will earn the plant Species of Concern status in Oregon.

One very intriguing postscript: Late in the summer I received a message from Mary Stensvold of the Tongass National Forest at Sitka Alaska announcing that a tide-marsh checkermallow matching the description of *Sidalcea hendersonii* was found on the Chilkat Peninsula near Glacier Bay west of Juneau. If it proves to be our species, this is a range extension of over 750 miles from the northernmost known site in British Columbia—and it would add a new family, Malvaceae, to the flora of Alaska!

Moss Walk

October 12, Sunday, 2 pm
Audubon Society of Portland,
5151 NW Cornell Road

Robin Wall Kimmerer will discuss her book, *Gathering Moss: A Natural and Cultural History of Mosses* (OSU Press) and lead a short moss walk. The event is free and open to the public. For more information, please call 503-796-0547. *Gathering Moss*, a beautifully written mix of science and personal reflection, invites readers to explore the elegantly simple lives of mosses. Drawing on her experiences as a scientist, a mother, and a Native American, Kimmerer shows how mosses live and how their lives intersect with ours.

Butterfly Talk

Native Butterflies and Their Habitats in Oregon's Outback
October 6, Monday, 7:30 pm
Room 21, Jefferson Middle School,
1650 W. 22nd, Eugene

NABA-ES Chapter President Neil Bjorklund spent four months exploring obscure canyons and spectacular mountain meadows throughout Oregon this past summer. His slide presentation and talk will feature a collection of images of butterflies and the places they inhabit and will provide a guided tour to many of Oregon's most valuable and scenic butterfly habitats.

For more info contact Neil Bjorklund 541-344-2053, neilb@efn.org.

Decoding the Basic Biology of Golden Paintbrush

continued from page 97

in the area. In fact, the West Fork Illinois River watershed (where French Flat is located) has the greatest number of rare species of all 1,400 watersheds in Oregon (Oregon Natural Heritage Program 1997).

The French Flat ACEC is home to nearly 200 species of vascular plants, eight of which are rare (Kaye and Blakeley-Smith 2002), including *Arabis aculeolata* (Waldo rockcress), *Erythronium howellii* (Howell's adders tongue), *Lewisia oppositifolia* (opposite-leaved lewisia), *Limnanthes gracilis* var. *gracilis* (Slender meadow-foam), *Lomatium cookii* (Cook's desert parsley), *Microseris howellii* (Howell's microseris), *Montia howellii* (Howell's spring beauty), and *Senecio hesperius* (Siskiyou butterweed).

Cook's desert-parsley

Description: Cook's desert-parsley (*Lomatium cookii*), favorably known to us interns as LOCO, is listed as endangered by the state of Oregon and is proposed for listing as endangered by the U.S. Fish and Wildlife Service. This inconspicuous plant (usually less than 30 cm tall) is a member of the Parsley family, and is endemic to the Rogue River Valley of southwestern Oregon. Its leaves are ternately divided with many small leaflets. The flowers

are produced in compound umbels and are creamy yellow. Cook's desert-parsley wasn't described until 1986 (!) by Jimmy Kagan of the Oregon Natural Heritage Program. LOCO only has two population centers in the world, one in the Illinois River Valley of Josephine County (the largest sub-population is found at French Flat), and one in Jackson County in the Agate Desert. The populations in the Illinois River Valley are found mostly in moist, grassy meadows dominated by California oatgrass (*Danthonia californica*) and tufted hairgrass (*Deschampsia cespitosa*) (Kaye 2001).

Monitoring: Long-term monitoring plots were established in populations on French Flat in 1993 in order to assess the viability of the population, and also to better understand the demographics and ecology of the plant. In late spring of 2002, we adorned ourselves in raingear and sought out the inconspicuous plant on hands and knees.

We used randomly placed density monitoring plots to assess the distribution and abundance of the plants on a larger scale. Within each plot, all Cook's desert-parsley plants were counted and assigned a specific life-history category (e.g., seedling, vegetative, reproductive). These categories enabled us to compare the status of the plant from year to year and also among populations. Also, in order to better

understand the seedling recruitment, growth rates, reproduction, and mortality, we studied the demography of *Lomatium cookii* in twenty long-term demographic plots. Within each plot, we mapped all Cook's desert-parsley plants to their exact location, assigned each a unique number, and designated each to a life-history category. This strategy has allowed the BLM and IAE to track each individual throughout its lifetime.

In general, from 1993 through 2002 the French Flat *Lomatium cookii* population has remained relatively stable, with year-to-year deviation due to environmental variability, the time of observation, and possible herbivore interactions with voles (Kaye 2001). By our estimates, there were approximately 202,752 individuals of LOCO at French Flat in the spring of 2002. Although this number may appear large, this species is only found in two watersheds in southwestern Oregon and is under the constant threat of habitat destruction.

Stakeholder interests

French Flat is a wonderland for those botanically inclined, however, other natural values of the ACEC attract people to the area as well. Mining has been an integral part of the cultural and economic history of French Flat. Euro-American settlers arrived in the 1850's in order to mine gold and platinum from the ancient river terrace, as well as chrome from the upland sites. There are currently nine active mineral mining claims on the ACEC, significantly scarring the landscape with old roads and slag piles, as well as affecting *Lomatium cookii* habitat. French Flat also draws many recreationists who enjoy hiking, bike riding, camping, and horseback riding within the boundaries of the ACEC. Although Off Road Vehicles (ORVs) were banned from the ACEC in 1992, they have consistently evaded the gates blocking their entrance. ORV presence has been a source of contention surrounding the appropriate management of French Flat. Conservationists argue that ORV use rips up the earth, leaving it more susceptible to invasive species and destroys *Lomatium cookii* habitat, while ORV users contend they have a right to use public land at their discretion. The battle continues.

As part of my internship this summer, I helped review comments made by the public concerning the future management of the ACEC. These comments expressed a deep connection between the people of Josephine County and their land. Future management

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TOM KAYE

Cook's desert-parsley (*Lomatium cookii*), an endangered plant of southwestern Oregon wetlands.



Cook's desert-parsley still occurs in large populations in the Medford District, BLM, French Flat ACEC.

Decoding the Basic Biology of Golden Paintbrush

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options may increase restrictions on the ACEC, alleviate them, or keep them as they are. However, it is the people of Josephine County that will ultimately decide whether or not to respect the botanical integrity of French Flat. The future of *Lomatium cookii* may depend upon it.

Literature Cited

- Kaye, T. N. 2001. *Lomatium cookii* population monitoring in the Illinois Valley, Josephine County, Oregon. Progress Report.
- Kaye, T. N., and M. Blakeley-Smith. 2002. Vegetation Survey of French Flat ACEC-Medford District BLM.

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. Third printing nearly sold out. 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.



RHODA LOVE

Jack Hausotter, Seed Setter

by Jim Long, Umpqua Chapter

Long-time NPSO member, Jack Hausotter died August 6, 2003 from a massive heart attack and stroke at his home in Myrtle Creek, Oregon. The Memorial Service was August 9th at the Tri-City Presbyterian Church in which he and his wife, Catherine, were active. Jack was born August 2, 1926 in Riddle, Oregon.

Jack was an exuberant teacher: a middle school science teacher for a quarter century, a “shroom” instructor at Umpqua Community College, a summer time natural sciences professor for NSF-supported teachers and an Elderhostel resource person on the geology of Crater Lake.

In addition to his formal teaching, Jack offered innumerable illustrated talks as with NPSO and the annual Glide Wildflower Show. His camera was always within reach during Catherine and Jack’s extensive travels world around—and in the family’s garden along North Myrtle Creek. His photographs appeared in *Oregon Outdoors*, *Pacific Search* and publications of Yosemite Natural History Association. He also wrote a column—“It’s a Fascinating World”—that appeared monthly in *The News Review*, Roseburg’s major newspaper. The column introduced a wide readership to a sample of Jack’s interests from the geology of the Cascades to rare, endemic plants of the Umpqua River Basin.

He also volunteered with the Friends of Crater Lake National Park, State Toxicology Committee and North American and Oregon Mycological Societies.

To share their excitement for plants, Jack and Catherine’s vehicle license plates read “FUNGI” and “MOREL.”

My most recent conversation with Jack and Catherine was July 19 at River Appreciation Day, in Canyonville, where Jack spoke to the crowd about his love affair with plants in “our backyard” and his commitment to NPSO.

His students’ enthusiasm and his insightful photographs, lively writing, public speaking and the sheer joy of Jack Hausotter’s living in this “fascinating world” have set seeds of flowers yet to bloom.

Ruth Martin Hansen 1910-2003

Reprinted with permission from News from the BBG, *The Berry Botanic Garden’s newsletter* vol. 16 no. 1 2003.

Ruth adored plants and was determined that the rest of us share her knowledge. In that cause, she energized the formation of three important organizations.

When the American Rhododendron Society was founded in Portland in 1945, Ruth was secretary-treasurer, for 20 years. She and her husband were members and hands-on workers on the first plant committee for Crystal Springs Garden.

Elected president of Native Plant Society of Oregon in 1977, when the 200 members were mostly in and near Portland, Ruth promptly guided NPSO to statewide influence, now with 14 chapters.

At the earliest stage of preserving Rae Berry’s garden, Ruth was enlisted, representing native plant interests, and was a member of the first Board of Directors, president for two years 1981-83. Creating an herbarium of

BBG was her priority, her demanding task for over 15 years. The Hansen Herbarium now fills a large cabinet in the Conservation office.

Ruth’s degree in Landscape Architecture from University of Oregon led to a job with the U.S. Forest Service, to the team that planned and planted landscaping at Timberline Lodge for its dedication in 1937.

The gold medal of the American Rhododendron Society was presented to Ruth in 1975. In 1990 the Horticultural Award of Garden Clubs of America came to her, and soon after she was one of the first two named a Fellow of NPSO.

She was tireless on the trails, great company, and matched Rae Berry in her feeling about people who weren’t interested in plants.

Ruth’s family has suggested memorial gifts to BBG, for which we are most grateful.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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 City _____ State _____ Zip+4 _____
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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
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Is this a change of address? If so, please write your old address here:

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CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
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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

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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Washington Plant Lists Now Available Online

Thanks to dedicated volunteers of the Washington Native Plant Society you can now access WNPS plant lists for over 300 sites in Washington from the website:

http://www.wnps.org/plant_lists/exploring_native_plants.html

Don Knoke entered thousands of plants into a database and spent countless hours organizing the information and clarifying the locations, Melinda Bronsdon converted them to Word documents which can be downloaded and Michelle Margroff put them on the website. All of this took a great deal of volunteer time on each of their parts. WNPS also thanks everyone who has contributed to making these lists through the years.

Contribute to ESOR at Your Workplace: It's So Easy

For thousands of Oregonians, the advent of fall means the changing of the leaves—and the arrival of charitable fundraising campaigns in the workplace. With the help of donors in the workplace, Earth Share of Oregon's (ESOR's) 66 non-profit conservation organizations receive funds to protect human health, preserve wildlife habitat, and reduce the causes and effects of global warming.

NPSO is a proud member of ESOR. What does this mean to you? You and your fellow employees can choose to have contributions sent automatically to your favorite Oregon conservation groups, including NPSO. Since your contribution is spread out over the course of a year, the amount deducted from your paycheck is mini-

mal, and all gifts are fully tax deductible. You can make a difference!

If your workplace is not currently involved in an ESOR giving program, establishing one is easy. ESOR will work with your employer to set up a program that meets your company's needs. Oregon's natural beauty and livability is legendary. With your contribution to ESOR, you can help ensure that it stays that way. For more information, please contact Ron Shoals at ESOR: 503-223-9015 or rrs@earth-share-oregon.org; or visit www.earth-share-oregon.org