



# Bulletin

of the

## Native Plant Society of Oregon

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

VOLUME 38, No. 9

OCTOBER 2005

### Summer Intern Report

## Sliding Down to the Port Orford Cedar: Inventory of the Pipe Fork RNA

By Lauren Fety

The following is the second in a series of three articles in which NPSO/Institute for Applied Ecology (IAE) interns discuss their activities during the 2004 field season. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon during the past summer. In this article, Lauren Fety discusses our efforts in collaboration with the Medford District BLM to catalog and map vegetative communities and Port Orford cedar populations protected within a remote and largely unexplored Research Natural Area in southwestern Oregon. For more information on internship opportunities, please contact IAE at [kayet@peak.org](mailto:kayet@peak.org), 541-753-3099 or visit [www.appliedeco.org](http://www.appliedeco.org). Thanks again to NPSO for contributing to botanical education and work experience.

~Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

**T**he Klamath-Siskiyou Mountains surround the place I call home. Living in the town of Rogue River, I've

grown accustomed to the valleys, creeks, and ancient peaks that force north-flowing I-5 to curve west through the topographical knot like a coastal highway. The tangled mountain range is as familiar to me as the back of my hand, and yet still as novel to me as the way that hand works. I'm learning that the uniqueness of the area extends beyond my sentimental value and into the biological world.

The floristic diversity in the Klamath-Siskiyou Ecoregion is exceptional (Smith and Sawyer 1988). The Klamath-Siskiyou are one of the richest temperate coniferous forests in the world, thought to harbor about 3500 plant species, including 281 regional endemics (World Wildlife Fund 2001). The high level of biodiversity in the Klamath-Siskiyou region results from a combination of heterogeneous soils and topography (Smith and Sawyer 1988), coupled with its unique location at the convergence of the Coast range, the Cascades, and the Sierra Nevada. Many species reach the extent of their ranges within this ancient geo-

logical jumble, creating unique species assemblages that occur nowhere else.

As an NPSO/Institute for Applied Ecology (IAE) intern, I had the opportunity to explore the botany of a protected forest deep within the Klamath Mountain Ecoregion: an area called the Pipe Fork Research Natural Area (RNA), managed by the Medford District Bureau of Land Management (BLM). The 529 acres of the Pipe Fork RNA are nestled in the Applegate Valley about seven miles from the California border near Southern Oregon's Big Sugarloaf Peak. Little was known about the Pipe Fork RNA before we began work on the inventory. The RNA began as a proposed project in 1992 when a brief investigation discovered that the area contained some healthy Port Orford cedar (*Chamaecyparis lawsoniana*) in a relatively pristine location. After several revisions to the plan, the RNA as we know it was finalized. The IAE/BLM survey of Pipe Fork in the summer of 2004 was the first comprehensive look at the area.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

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To join send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npso

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tion are those of the authors of the  
articles. They do not represent the  
opinions of the Native Plant Society  
of Oregon, unless so stated.

## Forest Service Hammers Babyfoot Lake Botanical Reserve

*information from the Siskiyou Project website: [www.siskiyou.org](http://www.siskiyou.org)*

Many of you have no doubt heard that parts of the Babyfoot Lake Botanical Area, a Siskiyou National Forest permanent, protective land allocation, have been logged. The violation occurred during the controversial Biscuit Fire Project's Fiddler Old-Growth Reserve timber sale, which was closed for months to the public.

The Babyfoot Lake Botanical Area, was established by the Forest Service in 1966 to protect Brewer spruce, a rare, ancient conifer tree, and other sensitive plants. Botanists come from around the world to visit the Botanical Area. The Forest Service has admitted this violation was a "serious" mistake, claiming they had incorrectly marked the boundaries of the Fiddler Timber Sale, part of a major federal project to log trees burned by the 2002 Biscuit Fire.

This shocking violation raises serious questions about the ability of the Forest Service to adequately administer industrial logging on public lands. The Siskiyou Project believes an official investigation is needed to learn how this tragedy happened, and to ensure it never happens again.

Please call Congressman Peter DeFazio, whose district includes the Babyfoot Lake Botanical Area, and Oregon Senator Ron Wyden and ask them to:

1. Pursue an official investigation of the Babyfoot Lake Botanical Area logging violation.
2. Tell Forest Service officials to stop ALL Biscuit logging, especially in roadless forests and old-growth reserves.
3. Allow the public to participate in the Forest Service's process to look at how best to protect the natural regeneration in areas they logged.

### Congressman Peter DeFazio

Toll free in Oregon: 1-800-944-9603  
Eugene office: 541-465-6732  
Washington DC office: 202-225-6416

### Senator Ron Wyden

Portland office: 503-326-7525  
Washington DC office: 202-224-5244

For more information about this and other local issues go to the Siskiyou Project website at [www.siskiyou.org](http://www.siskiyou.org).



ROLF SKAR

*Devastating Biscuit logging near Babyfoot Lake!*

## State

### October 15, Saturday, 10 am

**Board Meeting:** The High Desert chapter will host the fall board meeting which will be held from 10 am to 2 pm at the Crook County Library, 175 N.W. Meadow Lakes Drive, in the southwestern corner of Prineville.

## Blue Mountain

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

## Cheahmill

### October 27, Thursday, 7 pm

**Meeting: Pining for Pines.** John Syring, a student of *Pinus* phylogenetics, will give a presentation covering the important facets of this remarkable genus. The latter half of the hour will be devoted to hands-on identification of West Coast pines. John has undergraduate and masters degrees in Forest Ecology from the University of Michigan and will soon complete his PhD at OSU. Carnegie Room, McMinnville Library, 225 NW Adams St., McMinnville. For more info contact Susan Williams 503-538-1865 or helgesusan@comcast.net. See chapter website: [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com).

## Corvallis

### October 8, Saturday, 10 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 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.

### October 10, Monday, 7:30 pm

**Meeting: Pining for Pines!** Come join John Syring, NPSO-Corvallis Chapter President and a student of *Pinus* phylogenetics, as John gives a presentation covering several important facets of this remarkable genus. The latter part of the evening will be devoted to hands-on investigation of the pines of Oregon and Northern California. For more information please contact John Syring at 541-752-0414.

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **Bring water and lunch.** 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. Dogs are not allowed. 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.

### October 29, Saturday, 8 am

**Field Trip: Mushrooming with Dan Luoma.** Take advantage of this timely trip the day before the Mt. Pisgah Mushroom Festival to learn and collect fungi of the Oregon Cascades. Corvallis area folks meet at the OSU parking lot SW of the Beanery, 26th and Monroe, Corvallis, at 8 am. This will be an all day event. For more information contact Dan Luoma at 541-752-8860.

## Emerald

### October 24, Monday, 7:30 pm

**Meeting: Spectacular Floral Display in Death Valley.** In the winter of 2005 record rainfall in the southern California desert created a landscape of stunning colors. Bart Johnson and Aryana Ferguson will show us pictures of their visit. Room 115 Science Building, Lane Community College, 4000 30th Avenue East, Eugene.

### November, 2005

**By-Laws Vote.** All Emerald Chapter members: please vote on new chapter by-laws. Attorney David Atkin helped draft the up-to-date document which must be ratified by mail-in vote. You can read the new laws at our website: [www.emeraldnpso.org](http://www.emeraldnpso.org). They will be posted there for 2 months beginning in mid-September. Ballots will be mailed to all chapter members in November.

### November 28, Monday, 7:30 pm

**Meeting: Oregon's Changing Vegetation and Climate over the past 45 million years.** Greg Retallack is a professor of geology at the University of Oregon. Greg's presentation will cover research in paleobotany and ancient soils including the Painted Hills of Eastern Oregon. Room 115 Science Building, Lane Community College, 4000 30th Avenue East, Eugene. For more information call Dave Predeek at 541-345-5531.

## High Desert

For information on the High Desert Chapter contact Berta Youtie at 541-447-8166.

## Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, [smalaby@cs.com](mailto:smalaby@cs.com).

## Mid-Columbia

**October 5, Wednesday 7:30 pm**

**Meeting: Noxious weeds in the Columbia River Gorge.** Jerry Igo will outline the issues of this ever growing threat to our landscapes. The *Dalles Chronicle* Meeting Room, 317 E. 3rd St., The Dalles.

## North Coast

Wanted, new members for our group, located in Tillamook County. Trips subject to suggestions. Please phone Janet Stahl 503-842-8708.

## Portland

**October 8, Saturday**

**Field Trip: Lost Creek and Burnt Lake.** Walk through an old-growth forest on the west side of Mt. Hood, to Burnt Lake, to look for mushrooms. Great views of Mt. Hood. 7 miles round trip, 1440 feet elevation gain. Driving: 94 miles round trip, 4 miles on gravel. Wilderness area, limited to 12 people. Call leaders, Jan and Dave Dobak, 503-248-9242, to register.

**October 13, Thursday, 7 pm**

**Meeting: Introduction to The Berry Botanic Garden!** Scott Vergara, Executive Director of The Berry Botanic Garden (BBG) will give an overview presentation of what BBG does regarding native plant conservation, and he'll lead a discussion of various issues and considerations for native plant gardening. He'll also inform us of upcoming volunteer opportunities at the garden.

Room 202, First United Methodist Church, 1938 SW Jefferson St., Portland. Located just uphill from the Goose Hollow MAX stop.

## Siskiyou

**October 20, Thursday, 7:30 pm**

**Meeting: Pollination and reproductive biology of the endangered serpentine endemic *Phlox hirsuta*.** Jules Filipski and Lusetta Nelson, both Southern Oregon University graduate students, will share their research findings on the rare Yreka phlox. Jules will discuss the results of her thesis work studying the pollination and reproductive biology of *Phlox hirsuta*. Lusetta will speak about the current status of known and recently discovered subpopulations, as well as the recovery plan set forth by U.S. Fish and Wildlife. Room 171 of the SOU Science Building, Ashland. For more information, contact Celeste Coulter, 503-780-6360.

**October 23, Sunday, 9 am**

**Field Trip: Fall Mushroom Foray** for Siskiyou Chapter and Mount Mazama Mushroom Association. Meet in the big paved parking lot by Liberty Bank, 295 E. Barnett Road (near Winco supermarket) Medford, at 9 am. Gordon

Larum and Wayne Rolle will take us somewhere in the Cascades to learn the fungi, collect for the table and enjoy the autumn. All are welcome regardless of membership or level of knowledge. For more info contact Wayne at home 541-482-0093. RSVP not necessary.

## Umpqua Valley

**October 13, Thursday, 7 pm**

**Meeting: Flora of Mt. Thielson.** Umpqua National Forest botanist, Richard Helliwell, will give a slide presentation and talk on the flora of Mt. Thielson. Mercy Education Building, 2459 Stewart Parkway, Roseburg. For more information call Sam Friedman 541-673-0589.

**October 22, Saturday, 9 am**

**Field Trip: Fungi Walk** with Geoff Niles of Umpqua Watersheds. Join us and members of Umpqua Watersheds for a fun day talking fungi. Meet at the parking lot behind the Douglas County Courthouse, 1036 SE Douglas Ave, Roseburg. For information call Sam Friedman 541-673-0589.

## Willamette Valley

**October 18, Tuesday, 7 – 8:30 pm**

**Meeting: Oregon's Native Conifers.** Most of us are familiar with the Douglas-fir, but how many of us can name the nearly 30 species of conifers native to our state? Wilbur Bluhm, professor emeritus of the Oregon State University Extension Service and noted horticulture expert, will discuss and show slides of various native trees nurtured by Oregon's diverse topography and climate. Straub Environmental Learning Center, 1320 A Street NE in Salem (right next to Olinger Pool, near North Salem High School). For more information, please call 503-399-8615.

## William Cusick

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



TANYA HARVEY

*Mushroom season is upon us! Look for the well-named Jelly tooth (Pseudohydnum glutinosum) on rotting conifers.*

# In Memorium

## Julian Battaile 1925–2005

Julian Battaile was a retired Southern Oregon University chemistry professor, amateur musician and writer, botany enthusiast, and father of two. He is survived by his wife Connie Hopkins Battaile of Ashland and his sons Bennett Battaile of Portland and Gordon Battaile of Beaverton.

He was born Sept. 26, 1925 in New Orleans and was raised in the bayou country of Louisiana near the small town of LaCombe. He was a gifted teacher, and in 1966 was one of ten SOU (then SOC) recipients of the Oregon Legislature's Mosser award for excellence in teaching, the only year it was awarded. A lifelong piano player, he hosted a small weekly jazz combo for over 20 years. After retiring he began writing short stories and hosted a writers group from 1988 until his death, recently completing the score and lyrics for a musical. He had a strong interest in plants; he gardened actively and he and Connie performed field surveys for the Oregon Flora Project starting in 2000. For this project they took responsibility for an ongoing botanical inventory of a 620 square mile area of SW Klamath county, where they collected and identified 670 species of plants.

Julian, who never smoked, died August 24, 2005 at Providence Hospital in Medford, Oregon, from progressive lung failure following treatment for lung cancer. Memorial contributions may be made to the SOUF Chemistry Department Scholarship Fund, SOU Foundation, 1250 Siskiyou Boulevard, Ashland OR 97520. Please contact the SOU Foundation at 541-552-8366 for more information.

## Sara Barnum

Sara Barnum, a member of NPSO since the early 1970s, died in Boulder, Colorado on July 31. She had moved there last year to be near her sister, to an apartment where Maggie the Cairn had running room. Sara was an active and knowledgeable field trip participant, was involved in other Portland chapter programs and attended the state annual meeting almost every year. After retiring from work as a microbiologist, she made good use of time in her garden and for nearly ten years was a volunteer propagator at Bovee's Nursery.

## John Robotham 1924–2005

Sad news comes from Eugene where John Robotham died of complications of Parkinson's disease on September 9. John was born in Concord, New Hampshire on February 12, 1924 and was a New York librarian for many years. He joined NPSO when he and his companion Mary moved to Oregon; he was Editor of the *Bulletin* from 1993 to 1998. He became the first Fellow of NPSO in 1998. John faced his illness bravely and will be sorely missed. His family suggests that contributions in his memory be made to NPSO or Parkinsons Resources of Oregon.

## NPSO Items for Sale

**NEW Salal Tee Shirt.** Attractive forest green tee shirts with botanical drawing of *Gaultheria shallon* in cream-colored ink by Carlton, OR artist and Cheahmill Chapter member, Marilyn Karbonski. High quality tee shirts, S - XL, short sleeve **\$15 plus \$5 shipping.** To order call Cheahmill Treasurer, Jennie Sue Dunn-Dixon at 503-472-1745.

**Vascular Plants of Lane County, Oregon: An Annotated Checklist** Emerald Chapter, NPSO. More than 1,740 species and varieties representing 39% of the 4,460 plants currently recognized by the Oregon Flora Project are listed with information on habitat, ecoregion, occurrence frequency, and native or non-native origin for every species. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, 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. Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

**NPSO Membership Directory** lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2005). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

**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. **Price \$10.00.**

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.**

## OTHER EVENTS

### Tualatin Hills Nature Park Fall Native Plant Sale

**October 8, Saturday, 10am – 2pm**  
**15655 SW Millikan Blvd., Beaverton**

Fall is the perfect time to plant natives! Select from a wide variety of trees, shrubs and flowering plants in all price ranges, for every spot in your garden! Check the Tualatin Hills Nature Park web site, [www.thprd.org](http://www.thprd.org), for “Plants for Sale Guide” or call 503-629-6350 for more information.

We are also offering the following classes that may interest NPSO members. See [www.thprd.org](http://www.thprd.org) for more information or call 503-629-6350.

#### **Oregon’s Fall Mushrooms: Discover, Learn & Enjoy Them**

**October 6, Thursday, 7 – 9 pm**

Taught by mycologist, Maggie Rogers.

#### **Basic Mushroom Cookery**

**October 15, Saturday, 10am – 12pm**

#### **More Mushroom Cookery**

**October 29, Saturday, 10am – 12pm**

Both taught by Chef Dan Brophy

### Leach Botanic Garden Events

*All classes will be held at Leach Botanical Garden, 6704 SE 122nd Ave. Portland, OR. For more information or to register call Nancy at 503-823-1671.*

#### **Plants for Fall and Winter**

**October 4, Tuesday, 7-8pm**

Is your fall and winter garden drab? Let Stefan Bump introduce you to plants for fall and winter interest to liven up the garden during the colder season. \$15.00/\$12.00 members.

### Siskiyou Field Institute Events

Don’t miss the rest of Siskiyou Field Institute’s (SFI’s) field season! SFI offers fun and engaging field programs for people aged 6-80, and our 2005 programs are still underway! Join SFI’s cadre of dedicated naturalists in exploring the natural features of the Klamath-Siskiyou region. SFI will be holding courses into February this year! For more information or to sign up for a class, call 541-592-377 or go online at [www.thesfi.org](http://www.thesfi.org).

#### **Wild Salmon Weekend**

**October 21 – 23, Cave Junction, OR**

Spend the weekend at the historic Oregon Caves Chateau learning about the incredible life of our native salmon. We’ll join expert naturalists to watch the salmon spawn, visit a botanical area to view the area’s native plants, look for owls in old-growth forests, and even do a bit of wine tasting. It’s a nice mix of fine lodging and active exploring with the region’s experts. \$255 each, \$379 per couple.

### Oregon Natural Resources Council (ONRC) Hike

#### **Waldo Lake**

**October 9, Sunday**

Explore the north shore of beautiful Waldo Lake and hike through a nine-year-old burned area to Upper Rigdon Lake. Learn about fire ecology, Waldo Wilderness history, and about future recreation plans for the lake with area activist Gary Guttormson. You are welcome to camp on your own at the North Waldo Campground Saturday night, or carpool from Eugene on Sunday morning. Bring clothing for all weather, a lunch, and water. Call Chandra in ONRC’s Eugene office to RSVP and for meeting details: 541-344-0675 or [cl@onrc.org](mailto:cl@onrc.org).

### Mount Pisgah Arboretum Events

*34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504.*

#### **Elder Walk: Tree Talk & Walk (55+)** **October 7, Friday, 10:30 – 12:30 pm**

Join other seniors and explore the various forest habitats of the Arboretum with Nature Guide Harold Schyberg. Refreshments served after walk. Donation: \$4. Meet at the Visitor Center, rain or shine.

#### **Kalapuya Harvest Walk**

**October 23, Sunday, 11 am – 1 pm**

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

#### **Mushroom Walk**

**October 29, Saturday, 11 am – 1 pm**

Fungal ecologist Kyle Hammond will lead a walk through the Arboretum discussing identification, habitat, characteristics, natural history and the role of fungi within an ecosystem. Meet at the Visitor Center, rain or shine. Donation: \$3.

#### **Mushroom Festival & Plant Sale**

**October 30, Sunday, 10 am – 4 pm**

This event includes one of the largest mushroom displays on the West Coast, a huge plant sale, a scarecrow contest, children’s activities, hayrides, craft vendors, incredible food, fresh cider, music, wine tasting, and more! Co-presented by the Cascade Mycological Society and Lane Community College. Donation: \$5 per person, \$10 per family. Members free!



## 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>.

### Fungi and Fall Color Hike

**October 13, Thursday, 9am-3:30pm**

We may not have miles of hardwood forests such as grace parts of the East Coast, but we have a wealth of fall color if you know where to look! We also are fungus-rich, and Maggie Rogers can tell you the names of the many species of mushrooms and lichens in the Gifford-Pinchot Forest in SW Washington. We've timed this hike in hopes of enjoying the best that a Northwest fall has to offer. We will combine a solid introduction to the fungi with a moderate hike on the Pacific Crest Trail. Donations welcome!

### Nature Journaling with Pen & Watercolor in the Autumn Garden

**October 22-23, Saturday - Sunday, 10am-4pm**

Explore a unique way to capture impressions of the life around you, using simple pen and watercolor approaches and some writing. As you learn to "see" differently, your awareness and skill level will increase while you fill your sketchbook with beauty and inspiration. An educator and artist with a background in natural science, Jude Siegel has taught classes for OMSI, the Haystack Program and in her own studio. Her book, *A Pacific Northwest Nature Sketchbook*, will be released August 2006 by Timber Press. All skill levels are welcome! \$125 (\$100 BBG Members).



TANYA HARVEY

*A Blue copper butterfly enjoys the late summer blooms of Silverback luina, Luina hypoleuca, along the Whitehorse Meadows trail in Douglas County.*

## Latest Volume of Intermountain Flora Now Available

by Rhoda Love, Emerald Chapter

Just off the press this summer comes the latest volume, 2B, of *Intermountain Flora* by Noel and Patricia Holmgren and the late Arthur Cronquist. The volume is approximately 500 pages in length and covers the subclass Dillenidae with 17 families such as Paeoniaceae, Malvaceae, Violaceae, Loasaceae, Salicaceae, Brassicaceae, Ericaceae, Primulaceae, and others.

The new book features up-to-date taxonomy with full descriptions and keys to 119 genera, 464 species, and numerous varieties. Each species is illustrated with a line drawing. The list price is \$100. The Intermountain Flora region covers counties in southeast Oregon, southern Idaho south-west Wyoming, most of Nevada and Utah, and parts of California and Arizona.

To order Volume 2B, the seventh in the series to be published, contact:

New York Botanical Garden Press  
718-817-8721  
[nybgpress@nybg.org](mailto:nybgpress@nybg.org)  
[www.nybg.org](http://www.nybg.org)

## North American Butterfly Association (NABA) Talk

**Butterfly Conservation, from Wicken Fen to Climate Change: History, Present Challenges, and the Future**  
**October 3, Monday, 7:30 pm**

The Eugene-Springfield Chapter of NABA is celebrating its 5th Anniversary on October 3rd with a special presentation from renowned ecologist, author, and butterfly expert, Dr. Robert Michael Pyle. Dr. Pyle is the author of 13 books including *Chasing Monarchs*, *The Butterflies of Cascadia*, *The National Audubon Society Field Guide to North American Butterflies*, and *Nabokov's Butterflies*.

EWEB Training Room, 500 E. 4th Ave., Eugene. Free and open to the public. For more info contact Neil Bjorklund at 541-344-2053 or [neilb@efn.org](mailto:neilb@efn.org) or visit [www.naba.org/chapters/nabaes/index.html](http://www.naba.org/chapters/nabaes/index.html).

## Sliding Down to the Port Orford Cedar

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### What is a Research Natural Area?

Research Natural Areas are a nationwide interagency program and are part of the Oregon Natural Heritage Plan, which was established in 1981 to create a system of natural areas that preserve examples of Oregon's ecosystems (Oregon Natural Heritage Plan 2003). A full range of pristine areas have begun to be set aside for research and education about important forest, grass, aquatic, and alpine communities. Public access is limited to preserve and protect natural communities from human intervention. The Pipe Fork RNA conserves two plant communities for the Natural Heritage Plan. Noteworthy plant associations include Port Orford cedar-white fir/Oregon grape and Port Orford cedar-tanoak/salal (Oregon Natural Heritage Plan 2003).

### Port Orford cedar

Port Orford cedar is a charismatic tree endemic to southwestern Oregon and northern California. Despite its limited range, Port Orford cedar thrives along the Oregon coast and in the Klamath Mountain's diverse geological areas (Orr and Orr 1999). Port Orford

cedar is typically found in areas with cool and wet winters and warm, dry summers. Water availability is one of the most important determinants in the range of Port Orford cedar (Zobel and Hawk 1980) and thus, in the Klamath-Siskiyou Mountains, populations of Port Orford cedar are often concentrated along riparian corridors.

Port Orford cedar's reliance on water has facilitated widespread infection by the nonnative water mold *Phytophthora lateralis*. Within watersheds, the moisture dependent *P. lateralis* only spreads infection downstream encountering thirsty host roots who reach for water. However, the pathogen can also spread between watersheds when spore infested mud is carried by foot or vehicle traffic into vulnerable areas and comes in contact with Port Orford cedar root systems (Jules et al. 2002). The water mold has been fatally infecting Port Orford cedar since 1952. Road building and use has rapidly spread the pathogen with devastating effects. Rare, uninfected communities of Port Orford cedars, like Pipe Fork, are targets for conservation efforts.

### The Pipe Fork Adventure

The Port Orford cedar population in Pipe Fork RNA is not easily accessible, to say the least. The magnificent

trees are nestled along the Pipe Fork Creek which is located at the bottom of a steep valley. The headwaters of the Pipe Fork Creek, including Larkspur Spring, are protected as part of the RNA. The difficult terrain and the protected water source make Pipe Fork an ideal area in which to search for Port Orford cedar free of *P. lateralis* infection. The same terrain that protects Port Orford cedar from infection also made the area a challenge to explore.

We set off in search of the elusive Port Orford cedar armed with topographic maps, aerial photographs, and high hopes. Nothing definite about the RNA was known beyond a brief original investigation. The downhill adventure was a 1000 foot descent toward Pipe Fork Creek. We trekked from the end of a gravel road at ridge top down into old-growth forest communities, scrambling over fallen trees five feet in diameter beneath ancient individuals that masked the sky. The descent was less graceful than I'd like to admit, but the tumbles and scratches were part of the experience.

As we slid downward we observed a variety of plant associations, rock outcroppings, and draws along our route. We recorded community types and their distribution as we encountered them. Dry upper slopes were full of Douglas-fir (*Pseudotsuga menziesii*), sugar pine (*Pinus lambertiana*), ponderosa pine (*Pinus ponderosa*), white fir (*Abies concolor*), and Oregon grape (*Berberis nervosa*). We encountered three species of vibrant coralroots (*Corallorhiza* spp.) among fallen logs and the symmetrical beauty of the twin flower (*Linnaea borealis*). Farther down the slope, we observed the slow decrease in pines and the arrival of ocean spray (*Holodiscus discolor*), vanilla leaf (*Achlys triphylla*), and hazelnut (*Corylus cornuta*).

The peaceful sound of flowing water arrived with the Port Orford cedar and the riparian area. Healthy trees lined the stream banks. Ferns and small flowering plants like the beautiful striped mountain-bells lily (*Stenanthium occidentale*) grew inches from the water. On the bank, towering yew

*continued on page 99*



MATT BLAKELEY-SMITH

*Fabulous views greet the intrepid traveler willing to hike into the Pipe Fork RNA.*



## Sliding Down

continued from page 98

(*Taxus brevifolia*) trees mingled with other climax species with a quiet steady air. Our assiduous physical effort yielded a species list of the area, my personal edification, and joyous immersion in such a high density of phantom orchids (*Cephalanthera austinae*) that they became commonplace. In our exploration, we found 182 species of vascular plants over a variety of aspects, elevations, and habitats.

The time I spent in the forests of Pipe Fork taught me much about plant identification and the ecology of climax forests. The RNA is an older and wiser version of the forest surrounding my home in the Evans Valley. I saw orchids and meadow species that I had not previously encountered. I was dwarfed by Port Orford cedars of the awesome size typically reserved for coastal redwoods. However, the survival of the area could

be threatened by a single *P. lateralis* infection. Despite the remoteness of the RNA, dead Port Orford trees, killed by a root disease infection, were found downstream on the border of the RNA. The natural, dynamic ecosystem of Pipe Fork is a joy to observe, but it is threatened by its juxtaposition and vulnerability to *P. lateralis* infection. However, with protection from the BLM and the enhanced knowledge of Pipe Fork ecology from the survey, there is hope that the Pipe Fork watershed will be preserved in its pristine condition.

### Acknowledgements

I would like to thank the Institute for Applied Ecology and NPSO for making my internship possible; I am grateful for the knowledge that the botanists at the IAE patiently shared with me during my experiences. I would also like to acknowledge the Medford BLM and IAE for my survey opportunity.



MATT BLAKELEY-SMITH

Port Orford cedar in the riparian forest along Pipe Fork Creek.

## Friends of the Oregon Flora Project



[www.oregonflora.org](http://www.oregonflora.org)

A Flora Project supporter recently commented to me that, since we had received some federal grants a few years ago, he assumed we were financially comfortable and didn't need individuals' donations. Unfortunately, this is not the case! As we reach the completion of those grants, our resources for maintaining our staffing, newsletter, and activities have become precariously low. Your continued support is most critical! The good news, however,

is that work accomplished with those funds—presenting Flora Project data online, and incorporating Oregon herbarium specimen data into the Atlas—will be presented to the public this autumn. Please help us maintain and further develop the resources offered by the Oregon Flora Project with a generous donation.

Make checks payable to NPSO—Oregon Flora Project and mail to:  
Friends of the Oregon Flora Project  
P.O. Box 402  
Corvallis, OR 97339-0402

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# More Resources Available to Plant Enthusiasts and Botanists at the Rowe-Love Herbarium

by Gail A. Baker, Science Division, Lane Community College, Eugene, Oregon

This past year the Rowe-Love Herbarium at Lane Community College (LCC) has received some donations that both broaden and deepen its historical resources. The donations include approximately 300 sheets of pressed plants and over 50 books and pamphlets.

Pressed plants collected and mounted on herbarium sheets by Rayma Brown Beerman made it through various storage places to the hands of Gil Voss at the Nature Conservancy in Eugene. He donated the specimens to the Herbarium along with an electronic list of the collection. Rayma Brown Beerman was an education major at UO in 1930 and apparently studied with L.F. Henderson. She went on to teach at several Eugene public schools and was an avid plant collector in Eugene during the 1930s.

This July a small group of botanists met at the Herbarium to review the collection. Current efforts are being made to update the names that Brown assigned to the specimens (called a nomenclatural transfer), review the specimens to make sure they were accurately identified and make any necessary changes (called annota-

tions) and then accession (assign a unique number) each specimen and add it to the electronic database.

Rhoda Love has accumulated information about Rayma Brown Beerman and her activities in Eugene as well as some photos. More details about her and the contents of the collection might be the topic of a future article in this *Bulletin*.

Botanists and plant enthusiasts often buy a variety of botany texts and identification guides in the course of their lifetime as they take classes and travel to different places around the world. Margaret Wiese, of the Emerald Chapter, is no exception. Margaret's whole family was apparently interested in botany and her collection, donated to the Herbarium, includes some of their botany books.

The books include six historic volumes that were published between 1887 and 1909. *Farm Weeds of Canada*, 2nd edition 1909 by G. Clark & J. Fletcher is perhaps the most stunning of the collection. This book contains 76 full-page hand-tinted plates of wa-

tercolor plant illustrations made by Norman Criddle. The illustrations are the highlight but the contents included the knowledge of the time about invasive plants and the methods of combating them. With our current concern about the impacts of introduced plants this book is an incredibly interesting historical resource. Botany texts by Charles Bessey (1906) and Liberty Hyde Bailey (1904) also provide a wonderful historical context from very important botanists of the time that are still cited and profiled in current botany texts. The books and pamphlets will be housed in the Rowe-Love Herbarium reference library and on the botany shelves in the Science Resource Room at LCC so that they will be accessible to all interested students.

We are extremely fortunate to receive these donations to the Herbarium. LCC is the only community college on the west coast, and possibly in North America, to have a herbarium that is registered with the Index Herbariorum at the New York Botanical Gardens.

## Bulletin Mailing Coordinator Needed

Our present mailing coordinator, Mike Hartman, has served well in this position ever since the *Bulletin* printing moved to Eugene in 2000. Mike wears many other volunteer hats for NPSO so we need to find a volunteer to take over this position. We are looking for someone who lives in the Eugene-Springfield area and is willing to put in one day a month (during the next-to-last week of each month) organizing the mailing of the *Bulletin*.

To find out more information about the position contact Mike Hartman at 541-485-5202.



Rayma Brown Beerman Collection Work Group at the Rowe-Love Herbarium on July 8, 2005. From left to right: Holli Morton (celebrating her birthday), Charlene Simpson, Gail Baker & Rhoda Love.

CLAYTON GAUTIER

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TANYA HARVEY

*Aster [Eucephalus] gormanii is a rare composite found only in the northern portion of the Western Cascades from Linn through Clackamas counties. It is easy to overlook due to its late bloom period, short stature, and small flower heads with sparse white ray petals. Large patches of it along the ridge trail to the Bull of the Woods lookout make this a good place to see it in late August and September.*

## Call For Papers

by *Cindy Roché*, *Kalmiopsis* editor

**T**he new issue of *Kalmiopsis* has been published, which means that the editor is looking for articles for next year. All materials submitted should pertain to Oregon's native vegetation and flora. *Kalmiopsis* publishes two series articles: Plant of the Year, and Oregon Plants, Oregon Places, as well as articles about historical botanists and other features related to native plants or plant communities in Oregon. Please refer to previous issues of *Kalmiopsis* for length and content of articles; maximum length is 5,000 words. I would like to extend a particular invitation to authors writing about parts of Oregon not recently covered in *Kalmiopsis*.

Also, if you would like to be placed on a call list for writing book reviews or suggest titles for review, please contact the editor. Articles, artwork, and photographs submitted by October 1, 2005 receive priority for publication in *Kalmiopsis* in 2006. Contact the editor for a copy of "Instructions to Authors":

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