



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 39, No. 7

JULY 2006

## Intern Report

# A Time to Replant: Reintroduction of Kincaid's Lupine in the Willamette Valley

by Luke Clardy

The following article on Kincaid's lupine is the last in the series from NPSO/Institute for Applied Ecology (IAE) interns during the 2005 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, Luke Clardy describes his experience working with reintroduction of Kincaid's lupine, host plant of the Fender's blue butterfly, in collaboration with the USFWS and BLM. 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). Many thanks to NPSO for contributing to botanical education and work experience.

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

I was not prepared for the expanse of the Willamette Valley with its farmland, quiet low buildings and extensive plant life when I came to Corvallis from Southern California. Oregon itself, as I discovered, is full of sites to camp and recreate outside. It is truly full of hidden treasures in this respect. Many Oregonians are aware of the sights to see in their great state. However, many Oregonians seem to

be unaware of their many rare and endangered plants. Driving North on I-5 towards Corvallis I thought the landscape looked unremarkable, although beautiful and sparsely populated, compared to the thick sprawl of my native Orange County. During the time I worked with the Institute for Applied Ecology I have had my eyes opened to the diversity of the upland and wetland prairies, including one of the jewels of Oregon's upland prairie landscape, Kincaid's lupine.

Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*) is a long-lived perennial member of the Pea family which is extant within a very small range limited to western Oregon and parts of Washington. It has purplish flowers, palmate leaves and a sweet-and-sulfur smell similar to mothballs. It is easily distinguishable from other *Lupinus* species due to the fact that the upper surface of the leaflets is usually glabrous (lacking hairs). Kincaid's lupine is also the primary host plant for the endangered Fender's blue butterfly (*Icaricia icarioides* ssp. *fenderi*) whose larvae feed upon the leaflets and overwinter at the

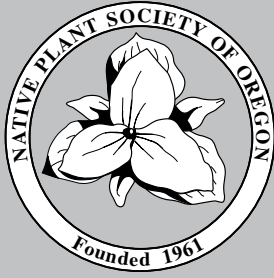
base of the plant. Both are threatened by habitat loss from agriculture, development, and invasive species (U.S. Fish and Wildlife Service 2000). Working with both of these species was a wonderful chance to get up-close and personal to something most people rarely, if ever, get to see.

My first experience with Kincaid's lupine was at Pigeon Butte, one of several experimental propagation sites set up to look into the best way to augment and reintroduce populations of Kincaid's lupine. While there are many sites that still contain the lupine, separation by distances too great for pollinators has led to problems of inbreeding depression (Severns 2003). The current scattered range of Kincaid's lupine is also a problem for the Fender's blue butterfly, which is unable to effectively spread to available habitat more than a few kilometers away. To create "stepping stone" populations and to expand existing small patches, propagation and outplanting of the lupine has been explored extensively over the past five years. The Institute for Applied

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## Native Plant Society of Oregon

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### General Business Address

P.O. Box 902  
Eugene, OR 97440  
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Clayton Gautier  
3927 Shasta View St.  
Eugene, OR 97405-4442

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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](mailto: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.

### Editor's Note

## Submission Information for Next Issue

A reminder that next month's *Bulletin* will cover the last half of August and September. The submission date will be pushed back two weeks to **July 26**. You should receive this issue the second week of August. The following issue will return to the usual schedule with a submission date of September 10th and should arrive by October 1st.

Please send all submissions electronically and put in the same order as they are in the *Bulletin*. **Put NPSO and the Chapter or organization name in the subject.** This helps keep them from getting lost with the spam. Thanks! I hope you'll all have a chance to get out and enjoy the wonderful summer wildflowers!

## Changing of the Guard

by Kelli Van Norman, NPSO Immediate Past President

NPSO is now 45 years old. Just this weekend, we have marked another successful Annual Meeting and I stepped down as President of the state NPSO Board of Directors. Thank you for electing me the last few years to steward this venerable organization. NPSO is the only organization in Oregon dedicated to our native flora. Our members range from those with an interest in knowing what they're seeing while hiking to plant geeks with PhDs in botanical taxonomy. Though there is sometimes tension between the various interests of our members, I believe it is beneficial to NPSO and allows us to have broad relevance.

NPSO is a volunteer organization, and there are too many people for me to thank individually here for their support during my five years on the Board. But let me use this pulpit once again to encourage all NPSO members to be active in the Society. There are many opportunities for volunteering from Chapter leadership positions to committee positions. In fact, I encourage everyone to simply participate in the local NPSO Chapter activities such as field trips, weed pulls, and presentations.

We are a community made up of individual members with a commitment to our native flora. My hope is that NPSO remains a strong and influential voice to enjoy, conserve, and study Oregon's native plants and habitats.

*Ed. Note: Many thanks from all of us in NPSO to you, Kelli, for your years on the board and dedication to the Society. You've been an excellent, well-organized President and a pleasure to work with. And welcome to our new President, David Lebo!*



*Like all mitreworts, the tiny flowers of three-toothed mitrewort (Mitella trifida) are best appreciated up close. From a distance, they are easy to miss, scattered around in their woodland habitat.*

TANYA HARVEY

## Blue Mountain

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

## Cheahmill

For more information about the chapter call Rob Tracey at 503-843-2702 or visit [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com).

## Corvallis

**July 8, Saturday, 10 am**

**Field Trip: Marys Peak Summit Walk dedicated to Danna Lytjen.** Danna was our Corvallis chapter president in 1997 and brought great enthusiasm and appreciation of native plants to our chapter. The Eugene and Corvallis chapters are dedicating this special hike on Marys Peak to Danna to show our appreciation and support her in her illness. Cards and notes will be collected and delivered to her in Eugene. We will meet to carpool at 10 am at the parking lot across from the Monroe Beanery on Monroe and NW 26th St., Corvallis. Bring good walking shoes, warm clothes, raincoat, lunch and water. We'll drive to the campground parking lot and hike to the peak, have lunch and hike back down through the noble fir forest. We will return by mid afternoon to Corvallis. The rock garden should be in bloom with *Sedum oregonum*, *Penstemon cardwellii*, *Erysimum asperum*, and *Senecio triangularis*. For more information contact Esther McEvoy at 541-754-0893.

**July 8, Saturday, 8 am**

**Field Trip: Iron Mountain.** Spectacular wildflowers with over 200 species of vascular plants recorded along this botanically rich trail west of Santiam Pass. 4-5 miles, moderately difficult all-day hike. Bring good boots, lunch, and water. Meet at 8 am at the OSU parking lot SW of The Beanery, 26th and Monroe, Corvallis. Call Dan Luoma, 541-752- 8860, for more information.

## Emerald

**July 8, Saturday, 8:30 am**

**Field Trip: Marys Peak Summit Walk Dedicated to Danna Lytjen.** Our friend Danna is ill and we wish to show our concern and support by dedicating this special Marys Peak Wildflower Hike to her. Cards or notes to Danna will be collected and delivered to her in Eugene. Marys Peak (4097') south of Corvallis, is the highest point in the Coast Range and supports a unique flora which includes relic species now more common east

of the Cascades. The summit has the largest stand of noble fir (*Abies procera*) in the Coast Range, and xeric plant species include *Allium crenulatum*, *Eriogonum umbellatum*, *Lupinus lepidus*, *Silene douglasii*, and *Erythronium grandiflorum*. The trip will be led by Marys Peak experts Esther McEvoy and Phil Hays. Plant lists will be available. Emerald Chapter Members: please meet at the South Eugene High at 8:30 am to carpool to Corvallis. See more information under Corvallis Chapter Announcements. For information in Eugene call Dave Predeek at 541-345-5531.

**July 15, Saturday, 9 am**

**Field Trip: Horsepasture Mountain.** Rob Weiss will teach Conifer ID on scenic Horsepasture Mountain south of McKenzie Bridge. Learn to identify 16 native conifer species including sugar pine and Alaska yellow cedar. Bring lunch and water. Wear good hiking shoes. Meet at South Eugene HS at 9 am. We will return to Eugene by 6 pm. For more information call Rob at 541-926-5012.

**July 22, Saturday, 8 am**

**Field Trip: Spirit Lake.** Barbro McCree will lead us to Spirit Lake and meadow on Koch Mountain, west of Waldo Lake. It is 1 mile round trip to the lake. Meet at 8 am at South Eugene HS or at 9 am at Middle Fork Ranger Station near Oakridge. We will return to Eugene by 6 pm. Contact Barbro at 541-782-3919 or [k\\_mccree@efn.org](mailto:k_mccree@efn.org). Visit the McCrees' web page at [www.efn.org/~k\\_mccree/SpiritLake.html](http://www.efn.org/~k_mccree/SpiritLake.html) for more about the site.

**August 20, Sunday, 5 – 8 pm**

**Event: Morse Ranch Potluck/Picnic.** We have reserved the picnic shelter at the Morse Ranch in South Eugene. NPSO members and families are invited. Bring a table setting and dish to share. There will be a Board Meeting at 6:30 pm at the shelter. For more information call Dave at 541-345-5531.

### 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.



## High Desert

July 15, Saturday, TBA

**Monitoring Work: Survey for Peck's Penstemon** in a Deschutes Forest restoration project near Sisters. Call Stu Garrett at 541-389-6981 for details.

## Klamath Basin

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

## Mid-Columbia

July 13, Thursday, 6:30 pm

**Event: Annual Potluck.** Afton Foote's House, 616 E Scenic Dr., The Dalles 541-296-5345.

August 10, Thursday, 7:30 pm

**Meeting: Seed Collection and Propagation.** There is still time to collect seeds this season for some native grasses and most perennial forbs. Bring seeds for exchange if you have collected them. Mike Igo presenter. Location: The Commodore Building, Downstairs Conference Room, 3rd & Court Street, 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

For information on the Portland Chapter call Steve Roelof at 503-260-9487.

## Siskiyou

July 1, Saturday, 9 am

**Field Trip: Fiddler Mountain (Illinois Valley).** Expect to see rare, common, and just plain beautiful blooms on this trip, including scarlet monkeyflower, bronze bells, Bolander's lily, Siskiyou lewisia, piggy-back plant, and a mysterious masked lomatium! Mostly driving, with short walks. Bring lunch, water, sun block, and insect repellent. Meet at 9 am right (south) side of Ray's Market parking lot in Selma, 20 miles south of Grants Pass on Hwy 199. Leader: Norm Jensen, 541-951-4420 or normjensen@gmail.com.

July 8, Saturday, 9 am

**Field Trip: Rabbit Ears /Grouse Meadows (Mt. Ashland).** We will start out by looking at the Mt. Ashland lupine, Henderson's horkelia and other plants at Rabbit Ears. We will then check out the many plants at the roadside seep below Rabbit Ears and along the Pacific Crest Trail in Grouse Meadows. Expect 1–2 miles of easy walking. Meet at 9 am behind Oil Stop on Ashland St., just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mile west of I-5, exit 14. Leader: Alex Maksymowicz, 541-482-1964.

July 15, Saturday, 1 pm

**Field Trip: High Siskiyou in the Vicinity of Oregon Caves National Monument.** Hike about one mile to the glacial cirque at Bigelow Lakes with a gentle rise in elevation of about 250'. You will find there one of the highest lakeside plant diversities in the Siskiyou. Around 80 mostly subalpine, boreal, or regional endemic species will be in bloom. Meet at 1 pm at the Oregon Caves NM parking lot, where we'll caravan to the trailhead. Participants coming from areas outside the Illinois Valley can meet at 11:30 am at the Illinois Valley Visitor center and consolidate vehicles. This will give them time to eat lunch at the Caves NM prior to the start of the field trip at 1 pm. Leader: John Roth, 541-592-2100, ext 230.

July 22, Saturday, 9 am

**Field Trip: Siskiyou Crest in the Vicinity of Dutchman Peak and Observation Peak.** Visit a few interesting Botanical Areas that are easily accessible from Forest Service roads, including the Pacific Crest Trail near Observation Gap and the lush meadow at the head of Cow Creek on the Klamath River drainage. See rare plants and beautiful wildflowers still in abundant spring bloom at this high elevation (around 7,000'). Short, easy walks. Meet 9 am in the Walmart parking lot off Valley View Rd in Talent (just west of I-5, exit 21) at the Valley View Rd edge of the parking lot; or, meet at 10:30 am at Jackson Gap, junction of Forest Rd 20 and the Dutchman Peak Rd. Leader: Jim Duncan, 541-482-7629.



TANYA HARVEY

*The dainty, drooping flowers of bronze bells (Stenanthium occidentale) are often seen arching off the side of a seepy cliff or in the spray of a waterfall. Join the Siskiyou chapter's trip to Fiddler Mountain for a chance to see this delicate beauty.*

### **August 5, Saturday, 4 pm**

**Field Trip: Bigelow Lakes Botanical Area and Mount Elijah.** This is the classic late afternoon-late night hike that Lee has been leading for many years. We will watch the sunset and may see everything from rare plants to resident long-eared owls. Bring water, dinner, warm clothes, flashlight, and good hiking shoes. Moderate 5-mile hike. Recommended reading: Don Begnoche, *Siskiyou Sundays*, pp. 101-106; Mary Paetzl, *Spirit of the Siskiyou*, pp. 118-155. Meet at 4 pm at Illinois Valley Visitor Center, Cave Junction, half a block from Hwy 199 on Hwy 46; return by midnight. Leader: Lee Webb, 541-479-6859.

### **August 12, Saturday, 8 am**

**Field Trip: Sugar Creek Research Natural Area (Klamath NF, California).** Visit one of the world's leading areas for conifer diversity. We should see about 15 species of conifers on a gradual climb of about 2.5 miles to Sugar Lake. Further exploring above the lake is exciting but optional, depending on the group. In addition to conifers, expect to see the limited Salmon Mt. wakerobin in fruit and sugarstick. Meet at 8 am behind Oil Stop on Ashland St, just west of the Ashland BiMart/Shop 'n Kart parking lot, about 1/4 mi west of I-5, exit 14; or, meet at 9:30 am in the gravel parking lot on the north side of USFS office in Fort Jones, CA (jnct. of Hwy 3 and Scott River Rd). Leader: Marla Knight, 530-468-1238.

## **Umpqua Valley**

### **July 1, Saturday, 8 am**

**Field Trip: Lower Twin Lakes.** Sam Friedman will lead the group on an outing to Twin Lakes bog/fen. We will be looking for tall bog onions, pardalium lilies and twinberry. There is also a stand of Alaska yellowcedar. Meet at the northeast corner parking lot of the Douglas County Courthouse, 1036 SE Douglas, Roseburg. For information call Sam Friedman 541-673-0589.

### **July 8, Saturday, 7 am**

**Field Trip: Crater Lake National Park.** Enjoy the awesome sights along with colorful displays of high elevation flowers, including many of the monkeyflowers like *Mimulus lewisii*, *M. primuloides*, and *M. moschatus*. The rare white pine will also be of special interest. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg at 7 am. For information call Richard Sommer 541-440-0612.

### **July 13, Thursday, 7 pm**

**Meeting: Noxious Weeds of Douglas County.** Ken French, Oregon Department of Agriculture Southwest Oregon Noxious Weed Coordinator, will give a presentation on the noxious weeds of Douglas County. Ken has years of experience in dealing with invasive weeds and his job is to provide the public with information on the particulars of individual species and ways to control them. There will be announcements afterwards, but no chapter meeting will be held this month.

### **July 15, Saturday, TBA**

Annual Summer Chapter Potluck.

### **July 22, Saturday, 8:30 am**

**Field Trip: Reynolds Ridge.** Reynolds Ridge is the old stomping grounds and favorite botatizing area of Douglas County's four pioneer lady botanists. The area features high mountain meadows you won't want to miss. Some highlights are ladies tresses, sundews, and many other special flowers. Meet in the NE corner of the parking lot behind the Douglas County Court House, 1036 SE Douglas Ave, Roseburg at 8:30 am. For information call Ron Hatt at 541-863-7024.

## **Willamette Valley**

### **July 8, Saturday, 7 am – 5:30 pm**

**Field Trip: Iron Mountain.** Enjoy one of best summer wildflower hikes in Oregon. Iron Mountain, located above Highway 20 in the Willamette National Forest, has more than 300 different species of flowering plants amid

stands of trees and meadows. This all-day hike, over a seven-mile loop, will be slow paced. Bring lunch and water. Chapter president John Savage will lead the hike. For more information or to register, please call 503-399-8615. Free and open to the public.

### **July 18 – 20, Tuesday – Thursday**

**Workshop: Native Tree and Shrub Identification.** Chemeketa Community College is sponsoring a three-day workshop in July on learning to identify trees and shrubs native to the west side of the Cascades.

### **July 18, Tuesday, 9 am – 4 pm**

Classroom and outdoor sessions on tree and shrub identification (lunch is included) at the Oregon Garden.

### **July 19, Wednesday, 8:30 am – 5 pm:**

Field trip to the Cascades (transportation provided).

### **July 20, Thursday, 8:30 am – 3 pm**

Field trip to the Coast Range (transportation provided).

The field trips are outdoor sessions in a wide range of habitats. Instructor: Gail Gredler. CCC Course Registration Number: 13262. Cost: \$156 (includes instruction, handouts, lunch during the first day and field trip transportation). For more information or to register, please call: 503-399-5139.

## **William Cusick**

### **June 10, Saturday, 9 am**

**Field Trip: Wildlife Enclosures North of Elgin.** We will compare the effects of deer and elk on native plants. The enclosures have excluded wild ungulates as well as cows for over 60 years, and the plants that have grown within the fenced areas demonstrate how robust they can become when they are not browsed. Meet in front of Max Square in La Grande at 9 am to carpool. One-meter-tall *Paxistima myrsinites*, as well as taller than usual *Acer glabrum*, *Sambucus* species and others are expected. Bring lunch and water, and we will try to be back in La Grande about 2 pm. Easy, short hiking involved. For more information call Kent Coe at 541-962-7049.

## OTHER EVENTS

### Mt. Pisgah Events

34901 Frank Parrish Rd, (off of Seavey Loop Rd.), Eugene. For more information or to register call 541-747-1504 or visit [www.efn.org/~mtpisgah](http://www.efn.org/~mtpisgah).

#### **Watercolor Landscapes: Summer Colors** **July 16 & July 23, Sundays, 10 am – 2 pm**

Let the beauty of Mount Pisgah inspire you as you paint the bright colors of summer at this watercolor workshop for beginning to intermediate artists. Merideth Ferrell, local painter and instructor, will demonstrate techniques to make your landscapes sing with color and vibrancy. The first session will be for beginners and those wishing to brush up on their skills, and the second session will provide more detailed instruction for those more advanced. Fee: \$30 (\$25 MPA members.)

#### **Berry Walk** **August 5, Saturday, 10 am – Noon**

Join nature guide and herbalist, Sue Sierralupé for a guided walk discussing collection, identification, and consumption of local plants that produce edible berries. We will harvest and tame Himalayan blackberries (*Rubus discolor*), and Sue will distribute delicious recipes! Bring collection containers, gloves, your favorite clippers and sturdy shoes. Meet at the Arboretum Visitor Center, rain or shine. Suggested Donation: \$3 (MPA members free).

### North American Butterfly Association Field Trips

*All field trips meet at the Campbell Senior Center parking lot (155 High St., Eugene). Pre-registration is required.*

#### **Fourth of July Butterfly Count:** **Eugene-Springfield** **July 1, Saturday, 9 am**

The first of our two butterfly counts will be led by Eugene count-founder and veteran count-organizer, Sharon Blick. Teams will explore for butterflies in Mt. Pisgah, the West Eugene Wetlands, Spencer Butte and more. Beginners are encouraged to join this learning experience in butterfly identification, while enjoying good company. \$3 fee for participants. To pre-register, contact Sharon Blick at 541-683-4635 or [blick@toast.net](mailto:blick@toast.net).

#### **Groundhog Mountain** **July 12, Wednesday, 9 am**

Groundhog Mountain's numerous wetland meadows, and road-cut outcrops with seeps, make for diverse vegetation that supports many butterflies. At least 270 different plant species, and 35 butterfly species, have been seen in the area. Join Tanya Harvey in exploring

this area of great botanical diversity and excellent habitat for butterflies. Since most habitat is accessed directly along the road, the walking on this trip is easy. Second meeting place is just off Hwy 58 in Dexter at 9:30 am. Space is limited to 15 persons. To pre-register: call Tanya at 541-937-1401.

#### **Fourth of July Butterfly Count:** **Browder Ridge** **July 15, Saturday, 8 am**

Our annual count in the meadows of the Central Cascades will again be organized by Eric Wold, co-founder of NABES. With a bit of sun, we expect to see hundreds of individual butterflies, and nearly 40 different species. Trails range from easy to moderately difficult depending on your choice of team. There is a \$3 fee to participate which supports NABA's national advocacy for butterflies. To pre-register contact Ellie at 541-684-8973 or [woodnymph3000@gmail.com](mailto:woodnymph3000@gmail.com).

### Nearby Nature Event

#### **Meadow Micro-Magic** **July 15, Saturday, 10 am – noon** **Alton Baker Park, Eugene**

Use all sorts of neat magnifiers to check out everything from flowers to insects, up close! Enjoy a family-paced hike, a craft, a snack, and a visit from a costumed Kinder Critter! Meet at the Park Host Residence in Alton Baker Park (between dog run and community gardens), \$2/person or \$5/family, pre-registration suggested, 541-687-9699.

#### **Waldo Lake** **July 22, Saturday, 9 am**

The lush subalpine meadows of Waldo Lake will provide a new setting for our butterfly exploration. Plant specialist and all-round naturalist, Bruce Newhouse will lead us, and share his knowledge of butterflies and their host plants. Trip is limited to 15 people. To pre-register call Ellie at 541-684-8973 or [woodnymph3000@gmail.com](mailto:woodnymph3000@gmail.com).

#### **Horsepasture Mountain** **July 30, Sunday, 9 am**

Horsepasture Mtn. is an excellent late-summer butterfly site. High butterfly diversity, abundant wildflower displays, and outstanding views of the high Cascade peaks will make this a special trip. Trip leader is NABES Science Advisor, Neil Björklund. 2.8-mile roundtrip hike, with nearly 1000' elevation gain. Space is limited to 15 people. To pre-register contact Neil at 541-344-2053 or [nborklund@comcast.net](mailto:nborklund@comcast.net).



# Whitebark Pine: A Pacific Coast Perspective

August 27-31  
Southern Oregon U., Ashland

Whitebark pine is a keystone species in high elevation forests of the Pacific Coast. It not only provides critical wildlife habitat and watershed protection, but evokes the beauty and majesty of the special places where it resides.

This conference will explore the ecology, population structure and genetics, wildlife interactions, disturbance regimes, threats, and challenges of managing whitebark pine and other high elevation five-needle pines in British Columbia, Washington, Oregon, and California. The program includes speakers, organized debate, contributed papers and posters, and field trips. Conference information and Call for Papers and Posters is available at [www.fs.fed.us/r6/nr/fid/wbpine](http://www.fs.fed.us/r6/nr/fid/wbpine).

## Siskiyou Field Institute Courses

The Siskiyou Field Institute (SFI) invites you to join us for our debut weekend at our new home, Deer Creek Center in Selma! We are excited to offer our first group of courses based at Deer Creek Center. SFI has a diverse offering of engaging field based natural history courses throughout 2006. To learn about our courses or to reserve your place, visit our website [www.thesfi.org](http://www.thesfi.org) or call 541-592-3777.

Exploring the High Country  
July 14 – 16  
Deer Creek Center, Selma

Courses offered this weekend include: Biology of Trees and Shrubs with an overnight at Bear Basin Butte Lookout, Exploring The Forest Canopy, Climate History of the Klamath-Siskiyou, Siskiyou Photography.

Camp out under the stars or bunk in a dorm: Camping \$12 per person per night, Dorm (bed in a shared room) \$20 per person per night.

## NPSO Items for Sale

**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.

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.**

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

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

**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 shipping per order. Posters are mailed in tubes.

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

"**Land of Umpqua**" T-Shirt featured at the 2005 Annual Meeting is available again through the Umpqua Chapter. It depicts the delightful *Calochortus umpquaensis* illustrated by Dorothy Schattenkerk and in cream, purple, yellow, and green. Arched over the top in black letters are the words "Land of Umpqua", and underneath it says, "Native Plant Society of Oregon." The shirts are **\$16 plus \$5 shipping** and come in light gray, beige, pink or light blue in sizes M, L, and XL. To order call Ron Hatt at 541-863-7024.



## Reintroduction of Kincaid's Lupine in the Willamette Valley

*continued from 67*

Ecology has partnered with the Bureau and Land Management and U.S. Fish and Wildlife Service to conduct experiments along these lines at multiple sites in the Willamette Valley.

Three sites in the West Eugene Wetlands on property managed by the Eugene District, BLM and one on private property near Dallas formerly used for grass farming and horse pasture have been planted with Kincaid's lupine. Transplanting and seeding are being studied at these sites to evaluate various treatments such as fertilization, soil scraping and weeding, seed scarification, inoculation with *Rhizobium* and other treatments.

While I worked with many natural populations of Kincaid's lupine during my internship, I found the reintroduced populations were the nitty-gritty of restoration. Two of the sites already had populations of lupine and were augmented with plant materials from on-site, while the other two were new introductions into habitat within the species geographic range. All of the sites contained upland prairie remnants.

In general, seeding was less successful than transplanting, when measured as a percentage of plants or seeds, although seeding was much less costly and time intensive, and both had a low survival rate. Both seedlings and transplants tended to die off in the first four years, with about 60% surviving the first year, and subsequently falling down to around 10-20%. However, the plants that did last tended to flourish and become reproductive and large, and we even observed new plants at some of the sites. This may indicate the need for repeated transplanting in order to establish Kincaid's lupine populations. One encouraging aspect was that some planted lupines have expanded so much we could not tell individuals apart. This is not uncommon when monitoring natural populations because the species tends to put out ramets (underground shoots) to reproduce clonally, making individuals difficult to distinguish.

Another hopeful sign is that Fender's blue butterflies appear to be able to find reintroduced and augmented lupines as long as they are near other populations. Although no butterflies were seen on the new population we started near Dallas, which is several miles from the nearest other popula-

tion, we have found butterflies and their eggs at one reintroduced lupine site and both augmented sites. However, unless nectar plants are present to support the adult butterflies, egg-laying seems to be low and inconsistent.

Kincaid's lupine may need to be reintroduced in close proximity to natural lupine populations that are currently utilized by ovipositing Fender's blues so the adults can move between patches. A patchy spatial arrangement of out-plantings may improve egg-laying as well, because it appears that Fender's blue prefers to oviposit on patch edges. At one augmented site, the relatively patchy transplants had a very high number of eggs per leaf compared to thicker clumps within the natural population that tended to have fewer eggs in the middle. Since Kincaid's lupine populations are already very fragmented, a strategy that creates patches between larger colonies may be a means of increasing gene flow by connecting sites and perhaps also improving the reproductive health of this threatened plant, since pollinators are also limited in the distance they can travel between sites.

The time I was able to spend with Kincaid's lupine has stimulated my imagination for what can be done to preserve our natural resources. I would like to thank NPSO, Tom Kaye, and the Institute of Applied Ecology, as well as all of my colleagues, for the opportunity to learn of and work with the rare and native plants of Oregon, true gems in the heritage of the state.

### References

- Severns, P. M. Propagation of a long-lived and threatened prairie plant, *Lupinus sulphureus* ssp. *kincaidii*. *Restoration Ecology* 2003, 11:3, 334-339
- U. S. Fish and Wildlife Service. 2000. Endangered status for *Erigeron decumbens* var. *decumbens* (Willamette Daisy) and Fender's blue butterfly (*Icaricia icarioides fenderi*) and threatened status for *Lupinus sulphureus* ssp. *kincaidii* (Kincaid's Lupine). Federal Register 65(16):3875-3890



*Luke Clardy in a patch of Kincaid's lupine.*



## Rare & Endangered Plants Committee

Oregon has ten species on the Federal list of R&E plant species and 29 on the State list (with nine overlaps). The state-wide R&E Committee wishes to monitor these species and to determine which additional species warrant listing. We would like to develop educational programs that describe the state's flora and to increase our conservation activities by providing appropriate and specific information about local plants to city and county committees on management, planning, and parks and recreation. If you are interested in learning more about R&E plants and helping to increase public awareness of our wonderful flora, contact Les Gottlieb (Siskiyou Chapter) at [leslie@ashlandhome.net](mailto:leslie@ashlandhome.net) or 541-488-0731.

## Why Should I Care About Native Plants? (A pragmatic conversation with myself)

by David McClurg, Emerald Chapter

Sure, I like plants. But is it necessary to obsess about native plants? What makes them so special? After all, native plants are just the plants that were already in the area before some arbitrary point in time and non-native plants are the latecomers. Why should I care about native plants?

Plant seeds can move around. Dandelion seeds are carried by the wind. Some seeds, such as from bedstraw, have hooks and attach to passing animals. Birds carry seeds long distances. Since nature does it already, what is the problem with moving plants around the world? If a plant can persist without cultivation, who am I to shun it?

It turns out that when seeds are dispersed long distances, often with our help, they can leave behind some of their enemies and infections. In two studies of 473 European plant species, out of 30,000 total species introduced to the US, the plants dropped half their net pests and 77% of their diseases. This can make them more vigorous and in some cases they become very destructive weeds costing \$123 billion a year in the US. [1] Non-native plants, freed from having to defend themselves, are just waiting to become weeds as soon as they quit wasting resources on defenses. In effect, all non-natives have the potential to become invasive. And a native plant in one place can become an invasive non-native in another. Non-natives have an unfair advantage.

But gardening is a huge industry. And many useful plants such as crops

and spices, like ourselves, are non-natives. Certainly the benefits outweigh the costs. But what happens when vigorous non-natives outcompete and displace natives? In many sites, non-natives outnumber natives. Invasive species are considered the second biggest threat to biodiversity, after habitat destruction, and threaten 46% of species listed under the Endangered Species Act. They disrupt local ecology and cause a cascade of changes. [2] Certainly we can lose a few species already on the way out. Extinction is a natural process too.

The problem is that the current extinction rate is at least 1000 times the background rate for the last 60 million years when the last great extinction wiped out the dinosaurs and 75% of all species. Most biologists agree we are now entering the next great extinction. Sure, what life remains will re-radiate and fill the empty ecological niches—but we think that will take thousands of years! And we don't know how to design new genes or organisms yet, as if that would be a good thing. We can only dice and splice to make GMO crops and such. And although the non-natives seem to be doing well in the short-term, they are not adapted to long-term, local climatic conditions and so could crash. Diseases will move, evolve, and eventually catch up to our crops. We have already experienced this and hybrid monocultures used by agriculture make this more likely. If wild stock goes extinct, we'll have nowhere

## NPAW Coordinator Needed

May 1-8, 2006 marked the second annual Native Plant Appreciation Week (NPAW). The list of activities included wildflower shows, plant hikes, art exhibits, plant sales and impressive slide shows. With Governor Kulongoski's support, this statewide event is building society recognition as well as helping to increase membership. We need a new NPAW coordinator as I am taking on duties as the Corvallis chapter president. The new coordinator will encourage chapter presidents to schedule events, facilitate the production of a poster, and work with the webmaster to provide online information. If you have any questions please contact Matt Blakeley-Smith at [mattbs@peak.org](mailto:mattbs@peak.org).

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to find the answers. Our world, our green inheritance, will be spoiled and wasted. [2]

In the end, we have to be good stewards of our unique native plants, each in their own unique area. We need second order diversity between different places in the world, not just one big mixing pot of first order diversity. So I guess I care about native plants now. The answer is just more complicated than I wanted it to be. Making the hard choices about what to put in the garden will be where it gets tough. Since the wilds are all disappearing, I owe it to the wildlife, insects and animals, to create some cover and habitat in my yard. But first I have to start pulling all this ornamental giant St. John's wort!

### References

- [1] *Nature*, February 6, 2003; economic costs from a January 1999 report by David Pimentel of Cornell University and his colleagues.; *Scientific American*, April 2003, p. 32
- [2] <http://www.nwf.org/wildlife/esa/threats.cfm>; <http://www.earth-policy.org/Updates/Update35.htm>

# NEW MEMBERS

12/13/2005 – 6/13/2006

## Blue Mountain

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## Ceahmill

Mark & Lani Kirby  
Tom Lenon  
Susan E. Randall  
Shauna M. Sherick  
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Judi Sanders  
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Kimiora Ward  
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Yvonne Chase  
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*Masses of Farewell-to-Spring (Clarkia amoena) are a wonderful sight in early July.*

TANYA HARVEY

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Chapter (if known) \_\_\_\_\_

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

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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

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

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

- New                       Renewal
- Student – \$12       Regular – \$18       Family – \$24
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- 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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- BLUE MOUNTAIN (Pendleton) .... Jerry Baker ..... P.O. Box 662, Athena, OR 97813; bm\_president@NPSOregon.org; 541-566-2244
- CHEAHMILL ..... Rob Tracey ..... 1160 SW Tall Oaks Dr., McMinnville, OR 97128; ch\_president@NPSOregon.org; 503-474-4518
- CORVALLIS ..... Matt Blakeley-Smith ..... 812 SW 10th St., Corvallis, OR 97333; co\_president@NPSOregon.org; 541-752-1091
- EMERALD (Eugene) ..... Dave Predeek ..... 3127 Kinsrow Ave. Apt. 71, Eugene, OR 97401; em\_president@NPSOregon.org; 541-345-5531
- HIGH DESERT (Bend) ..... Berta Youtie ..... PO Box 606, Prineville, OR 97754; hd\_president@NPSOregon.org; 541-447-8166
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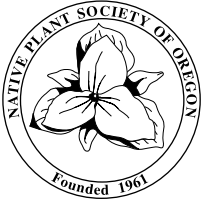
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- FRIENDS OF THE O. F. PROJECT ..... Linda Hardison ..... 2082 Cordley Hall, Corvallis, OR 97331-2902; hardisol@science.oregonstate.edu; 541-737-4338
- LEGISLATIVE ..... Les Helgeson ..... greenhills@oregoncoast.com; 503-398-5965
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## Friends of the Oregon Flora Project

This summer, the Oregon Flora Project will be sharing with the public several features that have been the focus of our efforts for quite some time. For the Oregon Vascular Plant Checklist, we have compiled the changes that each author proposes in their taxonomic treatment of a genus, and will submit these to the Checklist Advisory Board and Checklist

Project Leaders for their feedback. This will allow us to produce a draft of the Checklist detailing all Oregon plants, their accepted names, and their synonyms; this will be available on our website. The Atlas will also see progress: we will also be uploading over 30,000 new records to the Atlas database and implementing some minor improvements to the mapping program.



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

We were recently awarded \$10,000 from OSU's General Research Fund to fund a proposal to complete the Poaceae (Grass Family) component of our morphology database. We are especially pleased, as this represents the first direct support from the University in the twelve years of the project's existence.

Your financial support is always appreciated and welcomed. A few copies of *Ever Blooming: The Art of Bonnie Hall* remain as acknowledgements of gifts of \$300 or more. Contributions of any amount can be made out to NPSO, with "OFP" on the memo line, and mailed to: P.O. Box 402, Corvallis, OR 97339-0402.