



Bulletin

of the Native Plant Society of Oregon

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

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FEBRUARY 2009

Intern Report

Upland Prairie Viola Gets a New Lease on Life

by Conor Bidilspach, Christine Williams, and Carl Elliot

The following article on *Viola adunca* is the first of three written by the 2008 NPSO/Institute for Applied Ecology (IAE) interns. Interns participated in rare plant monitoring, restoration, floristic surveys, and other research projects conducted by IAE staff throughout Oregon and Washington. This year was our largest group of interns yet (nine!), so instead of individually writing articles, the interns collaborated to write group articles for the Bulletin. In this article, the interns on the Prairie Restoration Research Project (Conor Bidilspach, 2008 graduate from Oregon State University, Christine Williams, 2007 graduate from the University of Oregon, and Carl Elliot, a student at Evergreen State University), describe our efforts in collaboration with The Nature Conservancy to test different techniques to restore native prairies. For more information on internship opportunities, please contact IAE at andrea@appliedeco.org, 541-753-3099 ext. 401 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

-Andrea S. Thorpe Ph.D., Institute for Applied Ecology, Corvallis, Oregon

This past April, five of us from the Institute for Applied Ecology set to work collecting data from the nine Prairie Restoration Research Project sites that are scattered from Oregon's Willamette Valley up through the Puget Trough in southwestern Washington (an additional site is located in southern British Columbia). The Prairie Restoration Research Project is a long term experimental study with the

objectives of evaluating and improving strategies for controlling invasive weeds in upland prairies, without harming the diversity and abundance of existing populations of native plants and generalizing these results so that they can be applied by land managers engaged in prairie stewardship throughout the region. Treatments being tested in the study include combinations of mowing, burning and grass specific

herbicide (Sethoxydim, brand name Poast) application, and seeding of native forbs and grasses. The most promising treatment at this point is the application of Sethoxydim in the spring, followed by a prescribed fall burn. In

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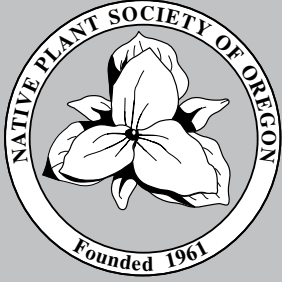
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NPSO 2009 Annual Meeting Coming Up!

Mark your calendars now for a visit to Yachats, "Gem of the Oregon Coast" (see Yachats' website, www.yachats.org to learn more about this charming town). The Annual Meeting will be held there on June 5-7 and is being organized by the Corvallis Chapter. Field trips and the banquet will be on June 6th. Due to the close proximity of field trip locations to Yachats, several sites will be on the itinerary of more than one field trip. Watch subsequent Bulletins for more information and registration materials.

Of special interest will be the opportunity to visit the Jim and Janice Gerdemann Botanical Garden. Sadly, Jim passed away in December. The story of his life can be read on the Garden's web site, http://gerdemanngarden.org/news_and_events.html.



Native Plant Society of Oregon

World Wide Web

<http://www.NPSOregion.org>

E-mail Discussion List

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

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.

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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 and the Dec/Jan issue which is November 24. Send submissions by e-mail to bulletin@NPSOregion.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.

IT'S STILL RENEWAL TIME (UNTIL FEBRUARY 15TH)!

The NPSO membership year is January to December. If you haven't already renewed for 2009, check your address label on this *Bulletin*. If you see the year "2008" printed along the top of the label, you need to send in your dues by the middle of February, or your membership will lapse. Renew now to make sure you don't miss receiving the *Bulletin*, *Kalmiopsis*, and invaluable information about field trips, programs, and classes.

It's also a good time to consider a tax-deductible contribution to our special funds, such as the Leighton Ho Memorial Award, which is used for research projects in western Oregon; the Rare and Endangered Plant Fund, which supports work with our most threatened plants; or the Augusta Rockefeller and Jean Davis Memorial Scholarships, which are awarded to botany students at an Oregon university or college. You can also include a contribution to the Oregon Flora Project along with your dues.

Your membership and donations make it possible to carry out more of the many projects that are needed to pursue NPSO's goals.



Washington lily, *L. washingtonianum* subsp. *purpurascens*, is a taller species with pleasantly fragrant trumpet-shaped flowers.

TANYA HARVEY

Blue Mountain

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

Cheahmill

For more information visit the chapter website: www.oregon-nativeplants.com

Corvallis

To join the Corvallis e-mail list to receive notification of upcoming events, please e-mail mattbs@peak.org

February 9, Monday, 7:30 pm

Meeting: Benton County Habitat Conservation Plan. Carolyn Menke, Plant Conservation Biologist, will discuss Benton County's Habitat Conservation Plan (HCP). She'll talk about what it means for rare species such as Willamette daisy, Bradshaw's lomatium, Nelson's checkermallow, Peacock larkspur, and Kincaid's lupine. The HCP could shape plant conservation efforts in the county for years to come, so please attend and learn more about the topic. See www.co.benton.or.us for a preview of the HCP visit, which will be held at the Avery House Nature Center, Avery Park, Corvallis. Questions? E-mail Matt Blakeley-Smith at matt@appliedeco.org

February 21, Saturday, 10 am-1 pm

OSU Herbarium Workshop/Workparty. Come learn about the Herbarium while lending a helping hand mounting plant specimens, preparing plants for shipping, or volunteering as needed. Park in one of the lots near the intersection of Orchard and 27th St. Meet on the OSU campus at the northwest corner of Cordley Hall, facing the greenhouses. (All other doors will be locked, so please arrive promptly.) For more information, contact Esther McEvoy, estherco@peak.org, 541-754-0893.

February 28, Saturday, 9 am-12pm

Workparty: Ivy Pull. English Ivy is threatening to take over our parks, and we need volunteers to help control it. Bring water, work gloves if you have them, and wear work clothes and sturdy shoes. Meet at Pioneer Park, just east of the intersection of Philomath Blvd. and 15th St. Contact Louise Marquering at 541-753-0012 for more information.

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 some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12.

Emerald

February 12, Thursday, 7:30 pm

(Note the change to Thursday from Monday)
Meeting: Biogeography of Arctic and Alpine Plants. Dave Predeek, who has traveled widely to the Alps, the Arctic, and various high Northwest mountain areas, will show his pictures of similar plant communities occurring in these three regions. The program will be held in the EWEB Training Room at 500 East 4th Ave., Eugene. For more information call 541-345-5531.

February 21, Saturday, 9 am-1 pm

Field Trip: Mt. Pisgah. View early wildflowers and see habitat restoration work on the floodplain of the Coast Fork of the Willamette. Along the 3-mile walk (total), *Enemion stipitatum* (dwarf isopyrum) should be blooming. Participants should bring snacks and water. Meet at 9 am at South Eugene High School or at 9:15 am at the Mt. Pisgah Arboretum. For more information, call 541-345-5531.

March 9, Monday, 7:30 pm

Meeting: Talk on Providing Native Plant Diversity to the Willamette Valley Eco-Region. Lynda Boyer, Restoration Biologist at Heritage Seedlings, will speak about native seed production methods: No-tech, low-tech, and old-tech. Free. EWEB Training Room, 500 E. 4th Ave., Eugene. For information call 541-746-9478.

March 17, Tuesday, 10 am-1 pm

Field Trip at Mt. Pisgah: Results of Oak Savannah and Grassland Prairie Enhancement Project. Jason Blazar, of Friends of Buford Park and Mt. Pisgah, will lead a tour of a project area designed to enhance habitat of oak savannah and grassland prairie. Included in the tour is a 30-minute walk with 1,000-foot elevation gain. Meet at the Mt. Pisgah Arboretum parking area promptly at 10 am. Free. For more information call 541-746-9478.

High Desert

To be added to the e-mail list for upcoming events, please contact Maria Britton at mebritton@bendbroadband.com. For questions or more information, please contact Eileen Obermiller at hd_president@NPSOregon.org.

Klamath Basin

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

Mid-Columbia

February 12, Thursday, 7 pm

Meeting: Topic and Speaker to be Announced. Information about this program will be announced in e-mail and local newspapers at the end of January.

North Coast

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

Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at donjphoto@gmail.com.

March 8, Sunday, 8:30 am

Field Trip: Catherine Creek. This creek is the premiere early flower spot in the Columbia Gorge! Look for *Olsynium douglasii* in profusion, *Fritillaria pudica*, *Lithophragma glabra*, several *Lomatiums*, and many others. Leave from Gateway MAX station, corner of NE Pacific St. and NE 99th Ave. at 8:30 am, or meet at Catherine Creek at 10:00 am (a 120-mile round trip drive). The field trip will include an easy walking distance of 3-4 miles with a 500-foot elevation gain. Call Jan and Dave Dobak at 503-248-9242 for more information.

March 12, Thursday, 7 pm

Meeting: Alpine and Subalpine Plants of Olympic National Park. Paul Slichter will show photos from several WNPS hikes within Olympic National Park. Mt. Tabor Presbyterian Church, SE Belmont at SE 54th. Enter the church parking lot from SE 54th.

Siskiyou

February 12, Thursday, 7:30 pm

Knotweed: An invasive threat to biodiversity. Japanese, giant and Himalayan knotweeds are native to Asia, but have invaded riparian areas throughout much of North America. Kyle Strauss of The Nature Conservancy has spent over 7 years working on knotweed removal efforts in Oregon. This discussion will focus on why knotweed is a problem and how it can be effectively treated. Room 171 of the SOU Science Building. Contact Kristi Mergenthaler, 541-535-3659, for more information.

February 14, Saturday, 9:30 am

Winter Botany, Winter Birds. Join botanist Kristi Mergenthaler and birder Frank Lospalluto on a two-hour walk along the Wagner Creek Loop Trail (less than a mile). We'll focus on winter ecology and bird, twig, lichen and moss identification. Meet at Tarks in Talent at 9:30 am for a short carpool. Co-sponsored by Northwest Nature Shop and Klamath Bird Observatory. Call 541-482-3241 to reserve a spot. Free.

Umpqua Valley

Visit www.umpquavalley.npsoregon.org for more information on chapter activities.

February 7, Saturday, 10 am

VA Garden Workparty. Weather permitting, we'll continue preparing and planting a new bed, and move a few plants at the Roseburg VA Hospital Native Plant Garden. You're welcome to join us. Bring tools, gloves, and a lunch if you wish, for a couple of hours of enjoyable gardening. Parking in the employee's lot is allowed on weekends; it's

near the Transitional Care Unit (TCU). The garden can be seen from there. For more information, contact Donna Rawson, 541-459-2821 or check the Chapter website.

February 12, Thursday, 7 pm

Program: Local Ethnobotany. Joe Augsberger will speak about the multiple uses of many native plants, specifically those used historically by the Cow Creek band of the Umpqua Indians not only for food, but for medicines, spices, food preservation, construction materials, shelter, decoration, and much more. Joe will also include a practical demonstration of cord fabrication using native plant tissue. The meeting will be held in Room One of the Mercy Community Education Bldg., 2459 NW Stewart Pkwy., Roseburg (between Office Depot and Parkway Medical Supply). For more information contact Donna Rawson, 541-4459-2821.

Willamette Valley

February 12, Thursday, 7-8:30 pm

Program: Landscaping for Wildlife. Learn how to make your backyard more efficient, enjoyable, and attractive to wildlife by using landscaping techniques discussed by Gail Gredler, Instructor of Horticulture, Chemeketa Community College. She'll discuss the proper plants and gardening practices to create a haven for birds, pollinators, and other wildlife. This program is co-sponsored by the Friends of Straub Environmental Learning Center, and will be held at the Center, 1320 A St. NE, next to Olinger Pool near North Salem High. \$5. Registration required. Call Lisa Olivares, 503-391-4145 or John Savage, 503-399-8615.

William Cusick

Programs are planned for the latter part of February, March, and April 2009; future issues of the Bulletin will have additional details. Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.

Grant Proposals Requested

The Native Plant Society of Oregon will continue to sponsor small field research grants.

The objectives of the program are:

- 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and
- 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from:

Dan Luoma, Field Research Grants Committee Chair
3740 NW Harrison Ave.
Corvallis, OR 97330

The link on NPSO's web site is www.npsoregon.org/grants.html. Research proposals are due by March 1st of each year.

NPSO Items for Sale

Native Notecards. Beautiful, high-quality notecards with art by McMinnville NPSO member Terry Peasley are being sold by the Cheahmill Chapter. See the cards at www.terrypeasleyart.com/pages/cards.html. Eight cards are available through NPSO: trillium horizontal, trillium vertical, fawn lily, red columbine with hummingbirds, varied thrush on oak, kingfisher on red osier dogwood, Bewick's wren on Douglas spirea, and western tanagers on oak. The cost is \$3 each including envelopes, or 4 for \$10. Contact Marna Porath at P.O. Box 726, Amity, OR 97101, marna@onlinemac.com or 503-835-1042.

T-Shirt Closeout. Dark green salal T-shirts from the Cheahmill Chapter in McMinnville are selling for \$5 each. Short sleeve. Sizes: small, medium, large. Contact Marna Porath at P.O. Box 726, Amity, OR 97101, marna@onlinemac.com or 503-835-1042.

Booklets on Gardening with Native Plants. As part of its Native Gardening Awareness Program, Emerald Chapter offers three book-



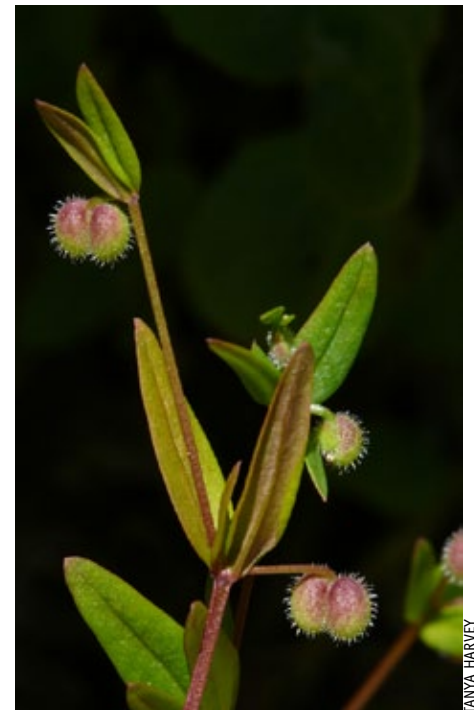
lets about native plants of the southern Willamette Valley. Titles are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." Cost: \$2.50 each or \$6.00 for the set of three. Down-To-Earth has copies for

sale, or send your check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. The booklet information is also offered online in pdf format at www.emeraldnpso.org/ Click on the tab titled "Gardening with Native Plants."

Your Name In Lights!!!

by Cindy Roché, *Kalmiopsis* Editor

Well, maybe not in lights, but fame awaits you when you become an author in *Kalmiopsis*! Volume 15 of *Kalmiopsis* has been published, which means that I'm looking for articles for volume 16. Do you have an inside scoop on Oregon's native flora that you'd be willing to share with fellow plant enthusiasts? We normally publish 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. Look at recent 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*. Contact me for a copy of "Instructions to Authors" or to place your name on a call list for reviewing new books. Cindy Roché, P.O. Box 808, Talent, OR 97540, kalmiopsis@npsoregon.org.



Galium bifolium

TANYA HARVEY

OTHER EVENTS

Mount Pisgah Arboretum

34901 Frank Parrish Rd. (I-5, exit 189 to Seavey Loop Rd.), SE of Eugene. For more information or to register, call 541-747-1504 or visit www.efn.org/~mtpisgah.

Nature Photography in a Digital World February 1, Sunday, 1–4 pm

Well known nature photographer David Stone of Eugene will discuss how to take stunning nature pictures with a digital camera, as well as how to choose a good digital camera in the first place. \$25. Registration required.

Slowpoke Sketch Walk February 7, Saturday, 10 am–12 pm

Science illustrator Katura Reynolds will introduce basic skills for field sketching, then lead a short but fascinating walk. Bring portable drawing supplies. \$5.

Winter Wonders Family Walk February 8, Sunday, 12 pm–2 pm

Tom Bettman will be our nature guide to some fascinating plants and critters of the winter landscape: those we can see, those we can't, and where the unseen ones are hiding! \$5.

Wild Edibles and Herbs Walk February 21, Saturday, 10 am–12 pm

Take a walk with entertaining herbalist Sue Sierralupe. She'll point out traditional native foods, discuss characteristics of edible plants and sustainable harvesting techniques, and also tell us what not to eat. \$5.

Drawing Class: "One Small Square" February 22, Sunday, 1 pm–3 pm

Choose one square foot of nature and learn from science illustrator Kris Kirkeby how to create an artistic record of the ecosystem, habitat, time, weather, species present, living and non-living elements, and seasonal observations. Drawings will be finished indoors. Absolute beginners to experienced artists welcome. \$20. Registration required.

Adventures in Arborism Walk March 1, Sunday, 10 am–12 pm

Arborist and Arboretum board member Scott Altenhoff shares his extensive knowledge of trees, and tells breathtaking stories of a world 100 feet above the ground. Learn about trees and the wide variety of organisms that depend upon them, and how to maximize the habitat potential of trees and to attract wildlife. Find out what the Arboretum is doing to release precious Oregon white oaks from conifer competition. \$5.

North Mountain Park Nature Center

620 N. Mountain Ave, Ashland, www.northmountainpark.org. To register visit <http://ashlandparks.recware.com> or call the Nature Center at 541-488-6606.

Nature Sketching with Color February 7-8, Saturday & Sunday, 9 am–2:30 pm

Even beginners will enjoy this class on sketching nature with watercolor pencils. The instructor will teach many skills, including how to achieve reflected color and the way to follow simple steps to add convincing light and shadow. To learn more about the instructor and the class, visit www.Nature-WorksPress.com. Classes will take place at The Grove, 1195 East Main St., Ashland. \$70.

North American Butterfly Association

Talk: Investigating Biodiversity in British Guyana February 2, Monday, 7 pm

The Eugene-Springfield Chapter of NABA hosts this fascinating presentation by Christopher J. Marshall about an international team of scientists seeking to document biodiversity in the remote Acarai Mountains. Refreshments at 7 pm, presentation at 7:30 pm. EWEB Training Center, 500 E. 4th St., Eugene. Free. For more information contact Eleanor Ryan, woodnymph3000@gmail.com.

WREN West Eugene Wetlands Walks

Wetland wanders are casual walks through various West Eugene wetlands sites each second Tuesday of every month. WREN will provide binoculars. For more information call Holly McRae at 541-683-6494 or hmcrac@wewetlands.org.

OTHER EVENTS, CONTINUED

Utah Native Plant Society

Southwest Rare Plant Conference March 16-20, Monday-Friday

The 5th Southwest Rare Plant Conference will focus on "Changing Landscapes in the Southwest." Speakers' areas of expertise include the biogeography of the intermountain region, and the status and preservation of rare plants in the west, many of which face a looming crisis. Contact Mindy Wheeler at wheelermindy@yahoo.com for more information.

Marion Soil & Water Conservation District

Native Plant Sale March 13-14, Friday & Saturday

Come and pick out your plants from among over 100 species of native trees, shrubs, and flowering plants (no pre-orders). For details of time, location, and prices, go to www.marionswcd.net or send an e-mail to jennifer.meisel@or.nacdnet.net. Go to the same sources to learn about a series of native plant workshops, which are free with the donation of a non-perishable food item for the Marion-Polk Foodshare.

NPSO Board Nominations for 2009

The Nominating Committee is seeking candidates for state officer and director-at-large positions. If you are interested in serving the Native Plant Society of Oregon in either of these positions, please contact Dan Luoma at 541-752-8860.

NPSO Chapters Gain 37 New Members

Here are the names of new members who joined NPSO from mid-September, 2008 to mid-January, 2009. Welcome to you all!

Cheahmill

Lisa Blackburn
Saundra S. Curry

Corvallis

Marvin L. McConoughey
Kathleen & Jerry Sand

Emerald

Jules Abbott
Sally Manifold
Tom Schroeder
Kris Stenshoel
Judith L. Wible

High Desert

Randy Hinson
Carol O'Casey

Members At Large

Larry & Linda Marshik
Melissa Rathbun-Holstein

Mid-Columbia

Ann Maslen

Portland

Jocelyn Duffy
Mike Faden
Ryan Jeffords
David Olson
Emily Platt
Christina Schull
Terrie Stubbs
Mary Vogel

Siskiyou

David Bowden
Donna Gould
Sasha Joachims
Susan MacKinnon
Germaine Ploos
Laurie Ann Rooper
Marc Stewart
Sam Whitridge

Umpqua Valley

Michelle Berray
Jeffrey Havener
Mike Laurance

Willamette Valley

Catherine Quinn
Andreas Von Foerster
Dean A. Wentworth

Wm. Cusick

Karen S. Antell



Upland Prairie *Viola*

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these treatment areas, we observed a drastic decline in invasive grasses, successful establishment of seedlings of native species, and an increase in cover of some pre-existing native species.

One species that appears to have benefitted from the Sethoxydim and burn treatment is the western dog toothed violet (*Viola adunca*). *Viola* populations have seen a general decline in recent years from their former glory. Land managers believe that these declines are due in part to competition from exotic species such as hairy cat's ear (*Hypochaeris radicata*), tall oat grass (*Arrhenatherum elatius*), and Scot's broom (*Cytisus scoparius*). While *Viola* is present in most of our Oregon and Washington research sites, Scatter Creek Wildlife Area in Washington harbors the largest population. The area around Scatter Creek was given the name Violet Prairie by the first settlers arriving from the east. At that time the violet colors of *Viola*, *Camassia* (camas), and *Lupinus* (lupine) wove a tapestry among the short native grasses. When those first settlers arrived, this violet prairie was a part of the white-oak woodland, savannah and prairie



LAUREL MOULTON

landscape that spread from what is now southern Tacoma, through Ft. Lewis Military Base, west to the town of Rochester, and south to Centralia. In addition to shaping the early descriptions of some Pacific Northwest prairie landscapes, *Viola* was used as a medicinal plant by the First Peoples, and provides an important nectar source and larval host for some of our native pollinators.

During the first three years of the Prairie Restoration Research project, none of the treatments resulted in increases of *Viola* at Scatter Creek. Some treatments maintained relatively constant levels while others resulted in slight decreases. In the spring of 2008 however, we observed a large increase in the abundance of *Viola* in the plots that had been burned in 2006. *Viola* is not a particularly fast colonizer and it may have taken a year after the burn for it to recover. Most restoration experiments are designed to be carried out in the short term because of funding limitations and results like these are particularly exciting because they would have never shown up in a short term experiment.

Three of the butterfly species that rely on *Viola* are the Valley Silverspot (*Speyeria zerene bremnerii*), the Mardon Skipper (*Polites mardon*), and the Oregon Silverspot (*Speyeria zerene hypolyta*). The first two of these species have been found at Scatter Creek. The Valley Silverspot, which utilizes *Viola* as its primary larval host, is a candidate for listing in Washington State, but is thought to be extirpated from Oregon. *Viola* is the preferred nectar plant of the Mardon Skipper, which is listed as a Candidate species under the



LAUREL MOULTON

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Upland Prairie *Viola*

continued from page 20

U.S.F.W.S. Endangered Species Act and Endangered by the Washington Department of Fish and Wildlife. It is not listed in Oregon however, because current endangered species legislation does not include protection of insects. The Oregon Silverspot is another Federally threatened species that uses the *Viola* as its primary larval host plant. This butterfly is not found in any of our research sites, but it relies on similar habitats on the coast of Oregon and south to Northern California.

In addition to being an important nectar and host plant for rare butterflies, *Viola* provided for the medical needs of some of the Pacific Northwest's First People. The Klallam of the Olympic Peninsula and Vancouver Island used the flowers as an analgesic, smashing them up and creating a poultice for pain in the chest or side. The Makah chewed the roots and leaves of

Viola as an aid during childbirth. The flowers and leaves have also been used as a laxative for children and for cough and congestion relief. The burning of prairies by Native Americans in order to maintain populations of *Camassia* species may have also led to an increase in *Viola*. After another year of data collection at Scatter Creek the Prairie Restoration Research Project may be able to shed light on the effects of fire on this valuable species.

Spending most of our early summer days amidst the flora and fauna of these prairies, we saw a multitude of interactions between native plants and the insects that depend on them. Seeing first hand the abundance of life and the intricate relationships between species in threatened prairie habitat made the goals for the Prairie Restoration Research Project more clear to us: to find a restoration practice that can keep this complex web alive. ♡

Literature cited for this article available on request.

Early *Kalmiopsis* Going Online

Thanks to the efforts of Cindy Roché, who provided the printed copies, and of Leslie Gottlieb, who is scanning all the pages, we will soon have all the issues of our journal, *Kalmiopsis*, available online on the NPSO website. All the later issues have been there for years, but Volumes 1-6 have not, because they were produced in non-electronic form. As of early December 2008, all of Volume 1 had been scanned, with a JPEG image being made for each page. Those page images were then converted and combined into the standard PDF format. Volume 1 has been uploaded to the state web site, with the remaining issues expected to be available there by the end of January. Look under "Newest Site Updates" on the right of the home page (www.npsoregon.org) for a link to the latest uploads.

Frank Callahan of Siskiyou Chapter to be latest NPSO Fellow

by Rhoda Love, NPSO Fellows Committee

As I hope most Bulletin readers are aware, NPSO's highest award is that of Fellow of the Native Plant Society of Oregon. Since we first gave this award in 1998, eighteen members of our society have received this honor, with a ceremony



and a special plaque presented at an Annual Meeting. The following members have been Honored from 1998 through 2007: John Robotham, Keith Chamberlain, Ruth Hansen, Kenton Chambers, Wilbur Bluhm, Karl Urban, Frank Lang, Charlene Simpson, Veva Stansell, Rhoda Love, Jerry Igo, Charlene Holzwarth, Russ Jolley, Barbara Robinson, Joan Fosback, Mildred Thiele, Lois Hopkins, and Mary Carlson. You can read about the recipients and their accomplishments in past issues of our journal *Kalmiopsis* archived at our website: NPSOOregon.org.

I am pleased to announce that our latest honoree will be Frank Callahan of Siskiyou Chapter who was nominated by Cindy Roché with supporting letters from Frank Lang and Aaron Liston. Cindy pointed out in her letter that Callahan has discovered locations in Oregon for 35 species of native plants not formerly known in our state. He has amassed a personal herbarium of over 3,000 sheets that he is presently transferring to the Oregon State University Herbarium. He devotes much of his time to managing his native tree and shrub seed business that he founded in 1977. Offspring of Frank's seed collections grow today in arboreta and botanic gardens throughout the world. He also consults as a field botanist for the US Forest Service and the BLM. As Cindy has written, "Frank's eye for discovering new locations and new species results from a mix of understanding geology, habitats, attention to detail, innate curiosity, and an attitude that botanical exploration is far from finished in Oregon."

We hope *Bulletin* readers will attend the Annual Meeting in Yachats June 5-7, 2009 to be present when Frank Callahan receives his well-deserved NPSO Fellows award.

Honoring a Sterling Pioneer Botanist: William C. Cusick

New Layout Artist for Bulletin

Jocelyn Duffy, the Bulletin's new layout person and NPSO Portland Chapter member, is a fairly recent arrival to the great Northwest. She, husband Craig, and their dog Fiona moved from Austin, Texas to Aloha, Oregon in February of 2007, and enjoy investigating their new environment. She says that they've "been out hiking and exploring almost every weekend since the move." Jocelyn's plant identification skills are, as she puts it, "slowly growing" and she and Craig are now at the dreaming stage of planning a native landscape for their property. A worthy project, indeed, and one which many NPSO members share with her.

We welcome you, Jocelyn, to the *Bulletin* staff in the crucial position of layout editor, and look forward to working closely with you. Thanks for stepping up!

Internships Offered by the Institute for Applied Ecology

Up to nine interns will be hired this summer by the Institute for Applied Ecology (www.appliedeco.org) for field work and related activities. Three positions are open for interns to help on a large-scale research project studying prairie restoration methods in Oregon, Washington, and British Columbia. In the area of conservation research, three intern positions are available for a variety of projects in Oregon, including rare plant habitat surveys, threatened and endangered species research and monitoring, and invasive species research. Finally, 2-3 intern positions are open for the completion of habitat assessments on public and private lands in Benton County, OR. For more information on these positions and how to apply for them, please visit www.appliedeco.org/get-involved-with-iae/internship-program/



RHODA LOVE

Dear Friends,

This is a photograph of William Conklin Cusick's newly-designed, enlarged, and recently-installed gravestone in the tiny town of Union, Oregon, southeast of La Grande.

If you still have your copy of the 2007 issue of NPSO's *Kalmiopsis*, please compare the headstone with the much smaller and less noticeable one that had been in place since Cusick's death at the age of 80 in 1922 (see my article, page 15). When Donna Patterson, a volunteer at the Union Cemetery, read about W. C. Cusick's memorable life and accomplishments in *Kalmiopsis*, she apparently concluded that he was one of the more important persons buried there, and she set to work to make his stone reflect his previously unrecognized status. The headstone is now several times taller, with more text, and is positioned to face the road, where "Everyone can see it," says Donna.

What you see in this photograph is the result! I believe Donna hopes to have some sort of ceremony this spring, and I would like to travel to Union for it. Meanwhile, I understand that members of the William Cusick chapter of NPSO will try to plant some species named for him near his grave.

I hope some of us will write Donna (drpatters@eoni.com) and thank her for taking on the task of recognizing one of our most important pioneer botanists. So many others lie in virtual obscurity. T. J. Howell, for example, is buried someplace near Vancouver, Washington, L. F. Henderson in Tacoma, and the ashes of W. N. Suksdorf who-knows-where? At least we know where Darwin is, although he did not want to be there (in Westminster Abbey), preferring to lie in his beloved village of Down.

Best,

Rhoda Love

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 3927 Shasta View St.
 Eugene, OR 97405-4442

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

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	\$ _____
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Membership in the Native Plant Society of Oregon is open to all.

Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to Membership@NPSOregon.org.

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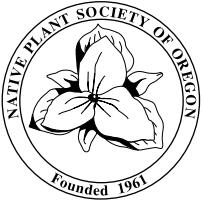
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Friends of the Oregon Flora Project

We have recently made changes to the way the Oregon Flora Project handles contributions. Our affiliation with Oregon State University gives us not only a physical home, but a way to receive and spend funds. When a donation is made in support of the Oregon Flora Project, the money is now routed to the University through the Agricultural Research Foundation (ARF). This allows 100% of your donation to support the Oregon Flora Project, since the ARF does not charge administrative fees, as does the OSU Foundation. If you have donated to the Oregon Flora Project via the Native Plant Society of Oregon, that's great, too! Those dollars are directly passed on to our program through the ARF. All donations are tax-deductible.

The most efficient way to contribute to the Oregon Flora Project is to make your checks payable to "Agricultural Research Foundation" and include "OFP-4482" on the memo line. It can be mailed directly to the ARF at: Agricultural Research Foundation, 100 Strand Ag Hall, Oregon State University, Corvallis, OR 97331-2219. We hope you will try this system soon with a generous donation to your Oregon Flora Project!