



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 42, No. 9

OCTOBER 2009

Toward Understanding Invasive Natives

By Jim Long, Umpqua Chapter

Native western juniper (*Juniperus occidentalis*), often an attractive tree with stout spreading branches, gray-green scale-like leaves, and a berrylike blue-black resinous fruit, is nevertheless thought of as an aggressive weed by Bill Longland, ecologist for the Agricultural Research Service.

Without fire to keep its population down, western juniper has formed dense stands rather than the once-open woodlands of 100 years ago. These thick woods rob understory plants such as bluebunch

wheatgrass (*Pseudoroegneria (Agropyron) spicata*), squirreltail grass (*Sitanion jubatum*), and bitterbrush (*Purshia tridentata*), all valuable for grazing cattle and browsing wildlife, of the sunlight these plants need to grow.

Longland's newer research project of July, 2009 is helping us understand the mechanisms of western juniper's invasive tendencies. The study is based on the concept of "diplochory" (DIP-low-core-ee), an evolutionary mechanism that helps plants disperse their seeds. It involves the sequential services of two

different agents of seed dispersal. In the case of western juniper, whose seeds ordinarily germinate only if buried in suitable environments, two agents—birds and rodents—each play a role.

Birds such as robins and Townsend's solitaire harvest and move seeds to protected locations where germination conditions are perhaps

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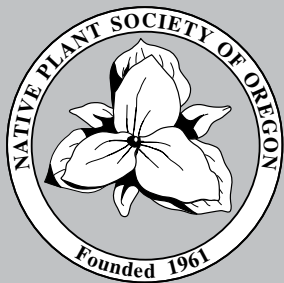


WALTER STEGMUND, 2005. [HTTP://COMMONS.WIKIMEDIA.ORG/WIKI/FILE:JUNIPERUS_OCCIDENTALIS_8221.JPG](http://commons.wikimedia.org/wiki/File:Juniperus_occidentalis_8221.jpg)

The berries of the Western Juniper, Juniperus occidentalis, are spread in a two-stage process by both birds and small animals

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Native Plant Society of Oregon

World Wide Web

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

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

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

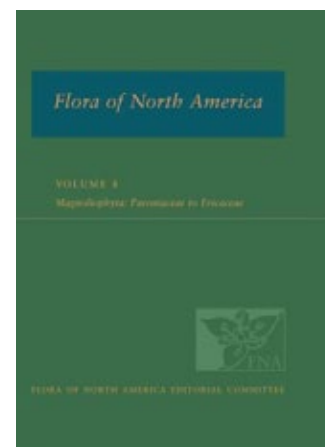
Flora of North America Update

by Rhoda Love

Flora of North America, Volume 8 has gone to press and will be available from Oxford University Press this fall. This volume encompasses 19 families, 125 genera, and 682 species, and includes over 200 illustrations. Four of the families covered are: *Ericaceae*, *Grossulariaceae*, *Primulaceae*, and *Crassulaceae*. Volume 7 is also scheduled to go to press this fall. This is the much-anticipated *Salicaceae* and *Brassicaceae* volume, with nine other families also included. This information comes from the free *Flora of North America Newsletter*. To subscribe to the *Newsletter*, and/or for additional information about *Flora of North America*, see the FNA website at <http://www.fna.org>

A tip about prices: Oxford University Press now charges \$95 per volume of FNA; however, I have found that a number of the review copies sent to various readers can be found for sale on the web shortly after each volume is issued. Often they are in mint condition and can be obtained at half price or less

if you are willing to search for the bargains. Earlier volumes can also be purchased for reduced prices; for example, today (September 8, 2009) Volume 2, which covers the *Pteridophytes* and *Gymnosperms*, is for sale at Amazon.com for \$41.95.



Jessica sticktight (*Hackelia micrantha*) or *false forget-me-not* is an Oregon native happy in forested areas and open meadows. It blooms in spring and summer and then forms nutlets with barbed spines to catch in the fur of passing animals and the clothing of passing hikers.

JOCELYN DUFFY

NPSO CALENDAR

Blue Mountain

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

Cheahmill

For more information visit the chapter website: <http://www.oregon-nativeplants.com>

October 22, Thursday, 7 pm

Talk: Plant-Fungus Relations.

Dr. Randy Molina of Gresham will speak on plant-fungus relations in mycorrhizal symbioses: how our plant communities function in space and time. Diverse fungi (including many mushroom and truffle species) and native plants have mycorrhizal associations, and these relationships affect changing plant communities. Dr. Molina, who is managing editor of *Mycorrhiza*, an international journal concerned with research into mutually beneficial relationships between plants and fungi, recently retired after 32 years of forest mycology research with the U.S.F.S. in Corvallis. For more information, call Marna Porath at 503-835-1042.

October 24, Saturday, 10 am–2 pm

State Board Meeting: The next NPSO State Board meeting will be held in the McMinnville Public Library, 225 N.W. Adams St. (corner of Adams, which is Highway 99W, and S. W. Second St.) The parking lot is entered from Second St.

Corvallis

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

October 12, Monday, 7:30 pm

Talk: The Genus *Erythronium* in Western North America. Ed Alverson, Willamette Valley Stewardship Ecologist for The Nature Conservancy, has been working as a field botanist in the Pacific Northwest for nearly 30

years, particularly searching Oregon and northern California for fawn lilies, avalanche lilies, and trout lilies. These locales are the global center of diversity for *Erythronium*, containing 20 of about 32 known species. Dr. Alverson, who has authored over 40 technical and popular articles and extensively photographed our region's flora, will share some of what he's learned through his travels. Avery House Nature Center, Avery Park, Corvallis. Questions? Contact Laurel Moulton, lamoulto@yahoo.com.

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.

October 18, Sunday, 1-3 pm

Avery House Work Party. Come help prune, weed and collect seed at the Native Plant Garden, Avery Park, Corvallis. Bring raingear, gloves, clippers, a rake and a bucket, as well as a snack to share after the work is done. Contact Esther McEvoy for more information at 541-754-0893.

October 23, Friday, 8 am

Field Trip: Mushroom Hike. Dan Luoma will lead experienced and novice mushroomers alike on a hike--itinerary to be determined by the weather and fungus availability--to identify and gather the succulent fungi. Bring rain gear, a basket, waxed paper or bags, and lunch. Meet at Bi-Mart, corner of 53rd St. and Highway 20/34, Corvallis, at 8 am. For more information, call Dan at 541-752-8860.

November 9, Monday, 7:30 pm

Talk: Wildflowers of the Wasatch Mountains of Utah. These mountains provide amazingly accessible views of alpine and subalpine flowers. Tanya Harvey has captured wonderful images of these plants, which range from familiar natives to local endemics, in a slide presentation. She'll also offer her cards and ornaments for sale. Avery House Nature Center, Avery Park, Corvallis. For questions, contact Laurel Moulton, lamoulto@yahoo.com.

Emerald

October 12, Monday, 7:30 pm

Talk: Wildflowers of the Wasatch Mountains of Utah. Tanya Harvey will show slides of the fabulous wildflowers in these mountains just outside Salt Lake City, which provide amazingly accessible views of alpine and subalpine flowers. The plants range from familiar natives to local endemics. Tanya will offer her cards and ornaments for sale. EWEB Training Rm., 500 E. 4th Ave., Eugene. 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

For more information, visit the chapter website: <http://www.oregon-nativeplants.com>.

October 8, Thursday, 7 pm

Meeting: Topic and speaker to be announced in e-mail and local newspapers at the end of September. Because of renovations at Columbia Gorge Community College, there is a possibility of a room change, but we expect to meet as usual in the Board Room, Bldg. 1, CGCC, The Dalles.

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.

October 8, Thursday, 7 pm

Update on the Oregon Flora Project. Oregon State University's Dr. Linda Hardison, coordinator of the Oregon Flora Project, will show slides of many fabulous flowers as part of her update on OFP's activities. Members will be able to assist in the ID process on some slides, giving an opportunity to show off our botanical "prowess." Mt. Tabor Presbyterian Church, SE Belmont at 54th. Parking in the Church lot allowed.

Contact Billy Don Robinson at 503-515-1708 or OR_Larkspur@comcast.net for more information.

October 17, Saturday, Time TBA

Hike: Indian Heaven Wilderness

Our destination will be Rock Lake and Blue Lake in the Indian Heaven Wilderness to see the fall colors. Possible stop enroute home to pick wild cranberries. The hike is 6 miles roundtrip, 600' elevation gain, 140 miles of driving. Participant numbers limited. Contact Paul Slichter, 503-661-3292 or pslichter@verizon.net.

Siskiyou

October 15, Thursday, 7:30 pm

Program: The Cape Flora of South Africa. Of the world's six floral kingdoms the Cape Floral Kingdom is the smallest, and for its size, the richest. Jan and Dave Dobak will describe their botanical adventures in South Africa, including in the Cape Town region, which is famous for its *Proteas* and *Ericas* as well as its profusely speciated *Iris*. Room 171, Science Bldg., Southern Oregon University, Ashland. Refreshments available at 7:15 pm. For more information contact Kristi Mergenthauser, 541-941-3744.

October 24, Saturday, 9 am

Field Trip: Cascade Mushroom Hunt.

Wayne Rolle will lead this all-day excursion into the Cascades on a fall mushroom hunt. Exact details will be determined the day of the trip, based on where the mushrooms are and how far participants want to drive. Bring a lunch, and meet at the Medford BLM/Forest Service Interagency Office, 3040 Biddle Rd., Medford in the visitor's parking lot (next to Biddle Rd.) at 9 am. Members and non-members welcome. For driving directions and more information, contact Wayne at 541-482-0093.

Umpqua Valley

Visit <http://www.umpquavalley.npsoregon.org> for more information on chapter activities.

October 8, Thursday, 7 pm

Meeting: Program to be arranged, followed by our monthly business meeting. You can learn more about our chapter at our meetings or at the chapter website, <http://www.umpquavalley.npsoregon.org>. The public is welcome. We meet every second Thursday at 7 pm in Room 1, Mercy Community Education Bldg., 2459 NW Stewart Pkwy., Roseburg. Contact Donna Rawson, 541-459-2821 for more information.

Willamette Valley

Contact John Savage at wv_president@NPSOregon.org for information on upcoming events.

October 15, Thursday, 7 pm-8:30 pm

Program: The Changing Nature of the Willamette Valley. Botanist and field ecologist Bruce Newhouse will discuss the enormous changes to the Willamette Valley since the arrival of the first European settlers. He'll explain the challenges involved in restoring historic landscapes, how to prevent species invasion, and regional conservation planning efforts, such as the Oregon Conservation Strategy. Straub Environmental Learning Center, 1320 "A" St. NE, next to Olinger Pool near North Salem High. All are welcome; free. For more information call John Savage, 503-399-8615 after 7 pm.

October 20 and 27, Tuesdays, 7 pm-8:30 pm

Program: Native Conifers. Oregon is home to nearly 30 species of native conifers. Wilbur Bluhm, an expert in horticulture and native plants, will teach us to find and identify them in this two-part class to be held at Straub Environmental Learning Center, 1320 "A" St. NE, next to Olinger Pool near North Salem High. \$5. Registration required (503-391-4145). Program information: Lisa Olivares, 503-391-4145 or John Savage, 503-399-8615.

William Cusick

Visit our website at <http://williamcusick.npsoregon.org> for updates and general information.

October 22, Thursday, 7 pm

Program: We'll meet at the Baker County Library in Baker City. Program to be determined.

State Board Meeting: October 24th in McMinnville!

Cheahmill chapter will host the next State Board Meeting on October 24th in the McMinnville Public Library's Carnegie Room, located at the corner of Adams (Highway 99W) and S.W. Second Street. The parking lot is entered from Second.

The meeting will begin at 10 am and is planned to end at 2 pm. Come join the discussion and help NPSO become an even better organization than it already is!

OTHER EVENTS

Eugene Natural History Society

Talk: "Iceland Rocks"

October 16, Friday, 7:30 pm

David Noakes, Professor and Senior Scientist at the Oregon Hatchery, will speak on Iceland's natural features. Rm. 100, Willamette Hall, UO. Free.

Mt. Pisgah Arboretum

To register for any of the following, call 541-747-1504.

Family Walk: How Native Plants Prepare for Winter

October 11, Sunday, 10 am-noon

Meet at Mt. Pisgah Visitors Center. \$5.

Workshop: Finding and Harvesting Edible Mushrooms

October 17, Saturday, 10 am-4 pm

Learn how to get a collecting permit, how to use a field guide in mushroom ID, and how to harvest sustainably. Meet at the Arboretum, then drive 45 minutes to a mushrooming location where individuals will learn how to collect on their own (none collected this day). Bring mushroom guidebook (some will be offered for sale) and a lunch. \$25. Reservations required.

Mushroom Festival Plant Sale and Nature Walks

October 25, Sunday, 10 am-5 pm

One of the largest mushroom displays on the West Coast. Everything from hay rides and craft displays to plant sales and food. \$5 (children under 12 free). For more information or to volunteer, call 541-747-3817.

Siskiyou Field Institute

Presentation and Field Trip: Edible Mushrooms of Southern Oregon

November 6, Friday, 7pm (Presentation); November 7, Saturday (Trip)

Local expert Eric McEwen will teach us how to search the woods and learn methods to safely collect and consume wild mushrooms. \$50. Register by October 23rd at 541-597-8530.

Weekend Trip: Biology, Ecology, Field ID of Mushrooms

November 13-15, Friday-Sunday

Investigate both edible and poisonous mushroom species in southern Oregon, from Selma to the coast. Lodging Saturday night at the Redwood Hostel, Crescent City CA is included. \$140. Register by October 30th, 541-597-8530 or www.thesfi.org.

Siskiyou Project

To learn more about the Siskiyou Project, the Siskiyou Wild Rivers Area, and help it be designated permanent wilderness, see <http://www.siskiyou.org>.

Annual Dinner, Hike, and Celebration

November 8, Sunday, Time TBA

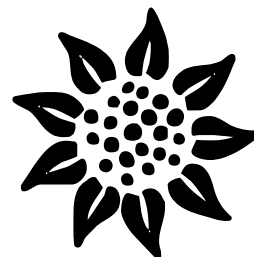
Afternoon and early evening event which will include a hike to the little falls on the Illinois River, dinner, silent auction, and presentations on the Project's Community Forestry and Restoration program. Contact Shane Jimerfield, 541-476-6648 (office) or 541-499-2064 (cell/text).

Tualatin Hills Nature Park

Native Plant Sale

October 3, Saturday, 10 am-2 pm

Select from a wide variety of trees, shrubs, and more for fall planting. All price ranges for low-care natives. All proceeds go toward future park improvements. Check www.thprd.org for plant list, or call 503-629-6350.



more favorable. They eat the fleshy seed clusters; the seeds pass through their digestive systems and may land on the ground far from the parent trees, where the seeds do not have to compete with the parent for sunlight and nutrients.

In the second phase of the process, rodents like deer mice, kangaroo rats, chipmunks, and ground squirrels carry and cache the excreted seeds into the soil. The birds provide the air transport, the small mammals provide the ground service. It's well known by biologists that fleshy fruits have evolved in plants to attract seed-dispersing animals. But, Longland notes that what may be surprising is that seeds excreted by one type of animal may be an attractive food source for another type, and both animals may be required to bring about the new generation of the plant!

A hidden network of motion- or heat-sensor-activated cameras were used to record real-time snapshots of birds and furry animals holding juniper berries or seeds in their beaks or paws. But, compelling as this evidence is, new studies begun this year will try to reinforce the idea that diplochory is at



DAVE POWELL, USDA FOREST SERVICE, BUGWOOD.ORG

Western Juniper (Juniperus occidentalis) has become an invasive tree which robs understory plants of needed sunlight.

work in the invasive spread of western juniper. Co-investigators Steve Vander Wall of the University of Nevada-Reno and Diana Hilbel of the Reno-based Animal Ark Wildlife Sanctuary will work with Bill Longland.

Adapted from "Western Juniper and Cheatgrass: Scientists Probe Invaders' Evolutionary Strategies," published in the July 2009 issue of Agricultural Research magazine.

Memories of Richard Sommer, 1929-2009

A long-time and very important member of the Umpqua Chapter of NPSO passed away on July 28th, 2009. He was the first vintner in the Umpqua Valley, starting Hillcrest Winery, which is now Oregon's oldest continuously running vinifera winery. Recognized as a true visionary, usually wearing his signature suspenders and beret, he was known perhaps most of all for his profound love of nature. Fellow Umpqua Chapter member Jim Long remembers Richard for a long list of special times: meandering through a restored wetland for the sheer joy of it, with no agenda except whatever he might discover that morning; his independent study of Diamond Lake plants when the lake was treated for tui chub; his delight in hiking Mt.



Thielson—and showing the photographs to prove he'd indeed been there!; regularly walking Mile 150, near where he lived, for Coast Watch; garnishing his sandwich with "weeds" during a hike with native plant enthusiasts; his commitment to having local input for careful land use planning in the Umpqua—to name but a few memories on Jim's list. "My memory snapshots create a collage of a gentleman grounded in the land, reaching out to others," writes Jim, "stretching us toward a vision of families living fully in resource-oriented communities."

He was truly one-of-a-kind. The lessons of his life are not lost on us, and we are much the better for having known him.

New Conservation Appointees: Lubchenco, Amos, McNutt, Mitchell

by Rhoda Love, Emerald Chapter Conservation Co-Chair

With the change of administration in Washington have come interesting new government appointees whom we hope will reverse the disdain for the environment often displayed during the preceding eight years. Three capable and well-credentialed women have been nominated by the Obama administration to lead federal environmental agencies.

Jane Lubchenco, Oregon State University's well-known marine biologist, has been confirmed as the next administrator of the National Ocean and

Atmospheric Administration (NOAA). For years Lubchenko has been a clear-voiced advocate for marine protection and for addressing the impact of carbon emissions on ocean ecosystems. We can foresee that her leadership, coupled with President Obama's "return of science" philosophy, will give her agency a prominent role in addressing climate change.

Adell Amos, a University of Oregon Law professor, is headed to work for the U.S. Department of Interior on water and land management. Amos began this September in the Office of the Solicitor that provides legal services

to the Department of Interior (which includes the BLM, the agency that oversees more than a million acres in Oregon). Amos, who has been the Director of the U.O.'s Environmental and Natural Resources Law Program, has received numerous awards for her environmental work.

Marcia McNutt has been nominated to head the U.S. Geological Survey in the Department of Interior. McNutt has made history by becoming the first woman to lead the U.S. Geological Survey and the Science Advisor to Interior Secretary Ken Salazar. She was the first female physics major at Colorado College, and has had a distinguished career in science in California, Polynesia and Tibet. Her impressive background was outlined in the journal *Science* for July 17, 2009.

Breaking news: We as yet know little about **Meg Mitchell**, who has just been appointed to supervise the 1.7 million-acre Willamette National Forest. She comes to Oregon from forests in the eastern U.S. and from the Tongass National Forest in Alaska. We hope she will administer our beloved Willamette Forest wisely.

NPSO Items for Sale

Native Notecards. Beautiful, high-quality notecards with art by Terry Peasley, Cheahmill chapter member, are available. Eight cards are offered through NPSO's Cheahmill chapter: 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. See the cards at <http://www.terrypeasleyart.com/pages/cards>. 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.

Booklets on Gardening with Native Plants. Emerald Chapter's three booklets about native plants of the southern Willamette Valley are "Native Herbaceous Plants in Our Gardens," "Native Shrubs in Our Gardens," and "Native Trees in Our Gardens." \$8.00/set of three, mail order. Individual booklets sold from the NGAP booth at Down-To-Earth, or by check made out to "Emerald Chapter NPSO" with "NGAP Gardening Guides" in the memo line to P.O. Box 902, Eugene OR 97440-0902. Also see online in PDF format at <http://www.emeraldnpso.org> Click on "Gardening with Native Plants."

Field Guide to Shrubs of Southwest Oregon. An 80-page, pocket-sized field guide identifies 56 of the most frequently-encountered shrubs in SW Oregon, and describes each species in detail with words and photos, including habitat, leaves, twigs, fruit, and flowers. Dichotomous keys, illustrations of common plant parts and glossary included. Janet Walker, NPSO Siskiyou chapter member, and Max Bennet, Forestry Agent with Jackson/Josephine Counties. \$7/copy; checks payable to "OSU Extension Service." Mail to Shrub Guide, Jackson County Extension, 569 Hanley Rd., Central Point, OR 97502.

Poseidon's Necklace. Don Begnoche, Siskiyou chapter, has issued an Oregon field guide covering the coastal section, mile by mile, from Astoria to Brookings. Genesis of the coastal landscape and flora found on dunes, headlands and montane slopes; over 500 landscape and floral photographs as well as geologic maps and illustrations. PDF format on a CD. \$19.95 + \$2.50 s/h. Mail checks to Don Begnoche, 439 Herbert St., Ashland, OR 97520

Meet Fran Gardner, New Bulletin Editor

Fran Gardner, a Portland resident and new member of NPSO, will take over as Editor of the *Bulletin* with the December 2009/January 2010 issue. She's a freelance writer and editor who for 32 years worked for *The Oregonian*, where, until a recent buyout, she wrote and edited stories in various departments from Business to Commentary to FoodDay. Since 1999 Fran has worked on gardening books for a major publisher, and is now expanding into other areas of knowledge and expertise. She has an English degree from the University of California at Berkeley.

Fran has an abiding interest in gardening and sustainability issues, and is looking forward to working with contributors in exploring topics that matter to NPSO members.

Welcome, Fran!

ORNHIC's Triennial Review of Rare Plants, Fungi To Be Held October 23rd

The triennial review of rare plants and fungi status and distributions for the 2010 edition of Oregon Natural Heritage Information Center's (ORNHIC) booklet "Rare, Threatened and Endangered Species of Oregon" will be held on Friday, October 23, 2009 in Corvallis, Oregon on the Oregon State University campus. The exact time and location have not been finalized but will be posted on the ORNHIC website (<http://\oregonstate.edu\ornhic>) prior to the meeting. We anticipate the meeting to start at 9:30 am and last no longer than 5 pm.

To be discussed are species that have been nominated for addition to or removal from the ORNHIC list, changes in the list placement of species already on one of the lists, changes to a species' Natural Heritage rank and any other comments participants wish to offer.

To assure they are addressed, please send your recommendations and comments prior to the meeting to Sue Vrillakas (sue.vrillakas@oregonstate.edu), ORNHIC, 1322 S.E. Morrison St., Portland, Oregon, 97214, (503) 731-3070 x105, fax (503) 731-3070. If you are recommending changes, please include a brief paragraph on the reason for your recommendation. More detailed information may be required and asked for later. A summary of those recommendations and comments will be posted on our website and discussed at the meeting. If you plan on attending, you do not have to send information prior to the meeting—you or someone else may bring it up during the meeting—but we prefer that you send the information to us ahead of time. If you have further questions, please contact Sue Vrillakas.



U.S.F.W.S. To Review Status of Oregon Native, Pale Blue-Eyed Grass

The Fish and Wildlife Service will status review some 28 species, among them *Sisyrinchium sarmentosum* (pale blue-eyed grass), an Oregon and Washington native, as to whether they should be added to the federal threatened and endangered list. A member of the Iris family, pale blue-eyed grass in Oregon exists only in Clackamas county. Currently, the species is known from about 18 occurrences, and the total number of individuals is thought to be 5,000 to 7,000. Washington state has listed the species as threatened. Insufficient historical data exist to determine

a trend in *Sisyrinchium sarmentosum*'s abundance and distribution.

Comments as to historical and current status and distribution, biology and ecology, ongoing conservation measures and habitats, and impacts to the species and its habitats are sought before October 27th, 2009 at <http://www.regulations.gov>. Letters can be sent to Public Comments Processing, Attn: FWS-R6-ES-2008-0111, Division of Policy and Directives Management, U.S. Fish and Wildlife Service, 4401 N. Fairfax Dr., Suite 222, Arlington, VA 22203.

SCHOLARSHIP AWARDS GO TO OUTSTANDING OREGON STUDENTS

The Willamette Valley Chapter is pleased to announce the scholarship award winners for 2009.

Sasha Joachims of Medford has been chosen to receive the Jean Davis Memorial Scholarship. Sasha, a graduate student at Southern Oregon University, where she is on the President's Honor List, is keenly interested in phytoremediation and the restoration of damaged habitats through the use of plants. This summer she is working for the BLM surveying sensitive plant sites in the location of the 2002 Squires Peak fire. Sasha received very strong recommendations from her mentors and we are happy to help this outstanding individual in her academic endeavors.

Todd Dalotto has been chosen to receive the Augusta Rockefeller Memorial Scholarship. Todd is a repeat scholarship recipient, having received the Jean Davis Scholarship for the past two years. Todd attends Oregon State University, where he is a graduate student in the Department of Horticulture. He has been working in the O.S.U. Vegetable Breeding Program, conducting research on tomatoes. This summer he will be presenting this research at the American Society for Horticultural Science Annual Conference, in St. Louis. Todd was highly recommended by his mentors. He is an outstanding student with great potential, and we are happy to support him in achieving his educational goals.

"Thank you" to all who have donated money in support of these scholarships.

Sincerely,
Thomas Jenkins
Willamette Valley Chapter Scholarship Chairman

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

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

Address _____

City _____ State _____ Zip+4 _____

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Clayton Gautier, NPSO Membership Chair

3927 Shasta View St.

Eugene, OR 97405-4442

DUES include monthly *Bulletin* and *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

☐ Sustaining – \$50

☐ Patron – \$100

☐ Life Membership – \$500

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

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ _____

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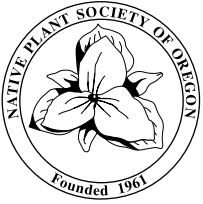
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Note that effective June 30, we no longer have the Friends of the Oregon Flora Project Post Office box (P.O. Box 402 , Corvallis , OR 97339-0402). Please send your written correspondence to: Oregon Flora Project, Department of Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902.

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