



# Bulletin

## of the Native Plant Society of Oregon

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

VOLUME 46, No. 1

FEBRUARY 2013

### Twig Talk: The Fun of Winter Botany

by Walter Fertig

This article originally appeared in the March 2012 issue of *Sego Lily*, the newsletter of the Utah Native Plant Society. While it was written with Utah in mind, the genera mentioned have species that are also native to Oregon. —Ed.

Just as a palm reader can tell your fortune by looking at various wrinkles on your hands, a winter botanist can learn the identity of a leafless shrub or tree by reading clues found on overwintering twigs. All it takes is a little understanding of the morphology of twigs, a hand lens, a guide book, and the desire to commune with nature when the thermometer is advising otherwise.

In botanical jargon, a “twig” is the end portion of a branch formed during the past season of growth. Twigs are set off from older parts of the stem by a ring of scar tissue called the end bud scar. This ring marks the point of attachment of last winter’s terminal bud. The age of a branch can often be

determined by counting the sets of bud scale scars.

Buds are embryonic branches that bear miniature leaves or flowers. The buds are often covered by one or more leathery scales. The number and orientation of bud scales can be useful in identification. For example, blueberries and whortleberries (*Vaccinium*) can be recognized by their buds consisting of two erect, non-overlapping scales, while willows (*Salix*) are easily identified by their single, large bud scale. Most winter shrubs and trees in our area have numerous bud scales that overlap like roof shingles. One exception is Canada buffaloberry (*Shepherdia canadensis*) which exposes its embryonic leaves directly to the elements

without the cover of a bud scale.

Twigs typically have a single terminal bud at the tip of the stem and several lateral or axillary buds. Oaks

*continued on page 8*

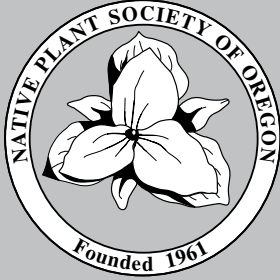
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*Salix hookeriana*, also known as coastal willow or Hooker's willow is a member of the Salicaceae family. This photo was taken in February at Cascade Head.



## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

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

## Opening for *Kalmiopsis* Editor Postion

by *Cindy Roché*, *Kalmiopsis* Editor

The most recent opening for an editor of *Kalmiopsis* was in 2000, so this opportunity does not come around very often. If the experience of being the editor of a classy botany journal is on your bucket list, then you should jump at this chance.

The current editor will be stepping down at completion of Volume 20 in 2013, so the next editor can learn the system before taking over the leadership. Although the new editor will no doubt make a number of changes, he/she will find that all the infrastructure is in place for moving ahead seamlessly to produce the next issue. There are articles in the pipeline for publication, an experienced editorial board, a typesetter who has done the layout since the first issue, a printer who reliably gives an excellent product at a fair price, and a mail service that adds labels and deals with the bulk mail without a glitch. Don't miss out on this rare opportunity; if you are interested, contact Judi Sanders at [president@npsoregon.org](mailto:president@npsoregon.org).

## Plan now for Native Plant Appreciation Week

Though the weather outside is frightful, the arrival of spring will be so delightful. While dreaming of spring, it's never too early to start planning for this year's Native Plant Appreciation Week taking place April 28 to May 4, 2013.

This is the largest coordinated public outreach event for the Native Plant Society of Oregon and an excellent opportunity for society chapters throughout the state to sponsor workshops, hikes, plant sales, etc. and help increase their chapter's visibility and membership.

We all get much busier as the weather improves so now is the time to plan. Be sure to post your activities in the NPSO Bulletin and to let the NPAW Committee know about them as well. Email any information to Judi Sanders at [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

## It's Still Renewal Time



The NPSO membership year is January to December. If you haven't already renewed for 2013, check your address label on this *Bulletin*. If you see 2012 printed along the top of the label, you need to renew. Your membership will lapse if you do not send in your dues soon. Renew now to make sure you don't miss receiving NPSO publications. NPSO brings you field trips, programs, classes, the *Bulletin*, and *Kalmiopsis*.



### Winter Trees

by William Carlos Williams

All the complicated details  
of the attiring and  
the disattiring are completed!  
A liquid moon  
moves gently among  
the long branches.  
Thus having prepared their buds  
against a sure winter  
the wise trees  
stand sleeping in the cold.

## State Notes

### Annual Meeting

The William Cusick Chapter will be hosting the 2013 meeting of the Native Plant Society of Oregon in Baker City from Friday, July 26 to Sunday, July 28. Emphasis will be on the plants of the nearby Elkhorn Mountains with field trips planned for many of the high elevations. Some of the near alpine plants that may be seen are *Geum rossii* and *Lomatium erythrocarpum*, both found in Oregon only in the Elkhorn Mountains. While many of the field trips will take place at elevations of 7,000 feet, there will also be some trips at lower elevations as well.

Save the dates of July 26 - 28, 2013, plan on attending the annual meeting in Baker City, and watch for more information in the next couple months!

## Blue Mountain

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

## Cheahmill

For more information, visit the chapter Web site, [www.oregon-nativeplants.com](http://www.oregon-nativeplants.com). To be added to the e-mail list for upcoming programs and events, please contact [cheahmillchapternpsoc@comcast.net](mailto:cheahmillchapternpsoc@comcast.net).

### February 28, Thursday, 7 pm

**Talk: Seed Banks: A root cause and partial solution to the current mass extinction.** Ed Guerrant will take us on a historical tour of seed banks and their varied roles – both past and potential. Seeds of many species have a truly remarkable ability to survive in good condition for long periods of time -even millennia - after which they can germinate and produce perfectly healthy plants. Humans have been storing seeds for later use since the dawn of civilization, and seed banks have had a remarkably pervasive if underappreciated role in shaping the modern world. With the specter of global climate change

becoming more acute, this talk will end with some thoughts on how seed banks might be used to reduce the impact of what some see as the beginnings of the 6th great mass extinction. Dr. Guerrant has been the Director of the Rae Selling Berry Seed Bank & Plant Conservation Program at Portland State University since 2011, after having been Conservation Director and Seed Bank Curator at

### 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. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). 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. You must pre-register for all events. 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. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

the Berry Botanic Garden from 1989. Location: Carnegie Room, McMinville Public Library, 225 NW Adams St. (corner of HWY 99W and SW 2nd St.). Parking lot entrances on Adams and Second streets. Information: Bonnie Laux, 503-925-4960 or [bonlaux@gmail.com](mailto:bonlaux@gmail.com).

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Alexis Brickner and Kevin Weitemier at [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org) or 208-921-0827.

**February 9, Saturday, 8 am – 5 pm**  
**NPSO Table: Benton County Insights into Gardening Seminar.** Corvallis NPSO will be staffing a table at Insights into Gardening, a day-long seminar offering practical, hands-on learning for home gardeners and gardeners-to-be. You will find plenty of ideas to make your gardening easier, more enjoyable, and more successful. Raffles, exhibits, catered lunch, and books for sale by Grass Roots will be available. Information: <http://extension.oregonstate.edu/benton/gardening> or call Pami Opfer at the Benton County OSU Extension Office, 541-766-6750. Pre-registration is \$30, \$35 at the door.

### February 11, Monday, 7:30 pm

**Talk: Introducing the NPSO Citizen's Rare Plant Watch.** Erin Gray, the NPSO Rare and Endangered Plants Committee co-chair, will introduce NPSO's new citizen-science program, the Citizen's Rare Plant Watch. Learn how you can become involved in the conservation of Oregon's rare species by searching for and documenting historical rare plant populations. Location: Avery House in Avery Park. Contact: Alexis, 860-878-2049 or Kevin, 208-921-0827 for more information.

### February 23, Saturday, 10 am - 2 pm

**Winter Garden Clean-up: Avery House Native Plant Garden.** Come help prune, weed and do winter maintenance at the native plant garden.

Dress for the weather and bring gloves and pruning shears. Contact: Esther McEvoy for more information at 541-754-0893.

**February 24, Sunday, 11 am - 3 pm**

**Workshop: Mushroom and lichen dyes.** We will dye wool yarn samples and silk scarves using dye baths in brown, yellow, green, purple from mushrooms and lichens. Local mycologist and dyer Cheshire Mayrsohn will cover preparing fibers, mordanting fibers with alum and iron, how to make dyes, and basic natural dyeing. Included in the cost are yarn samples and one silk scarf. More silk scarves will be available to purchase and dye at \$10 each. Previous dye experience is helpful but beginners are welcome. Location: Avery House, Corvallis. Class size limited to 10. Class cost: \$50 To register, e-mail cheshire@efn.org with "NPSO dye class" in the subject line please include your name and phone number. I will contact you to confirm registration and arrange payment.

**March 11, Monday, 7:30 pm**

**Talk: Post-fire Vegetation Dynamics in the Klamath-Siskiyou Region.** Dr. David Hibbs, Oregon State professor in Forest Ecosystems and Society, looks at vegetation recovery 20 years after fire in the uplands with and without management, and at the effects of fire suppression in the riparian areas. Location: Avery House in Avery Park. Contact Alexis 860-878-2049 or Kevin 208-921-0827 for more information.

## Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists and botanical information about Lane County plants and the people who love them.

**February 21, Thursday, 7:30 pm**

**Meeting: Biographical video, *Finding David Douglas*.** This meticulously researched, hour-long documentary is the first film to tell the story of the intrepid 19th century Scots botanist, David Douglas, for whom our Douglas-fir is named. Douglas explored western

North America in a time before white settlement had altered the landscape. He discovered and introduced more than 200 new species to the gardens and forests of Europe. Beautifully filmed on location in Scotland, England, northern Canada, Hawaii, California, and the Pacific Northwest, *Finding David Douglas* was produced by the Oregon Cultural Heritage Commission in collaboration with the US Forest Service, Forestry Commission Scotland, and numerous scholars and scientists. Location: EWEB Training Room, 500 E. 4th Ave., Eugene. For more information call 541-349-9999.

## Klamath Basin

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

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [wusara96@yahoo.com](mailto:wusara96@yahoo.com).

**February 21, Thursday, 7:00 pm**

**Meeting/Talk: Introducing the NPSO Citizen's Rare Plant Watch.** Erin Gray, Co-Chair of the Rare and Endangered Plants Committee and an Ecologist in the Conservation Research Program at the Institute for Applied Ecology in Corvallis, will introduce the NPSO's new citizen-science program, the Citizen's Rare Plant Watch. Learn how you can become involved in the conservation of Oregon's rare species by searching for and documenting historical rare plant occurrences. Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

**March 21, Thursday, 7:00 pm**

**Meeting/Talk: Northwest Conifers.** Martin Nicholson, Hoyt Arboretum Collection Curator, will talk about Northwest conifers. Nicholson has worked with Oregon State University's North Willamette Research Center, Washington State University's Vancouver Research Center, and the City of Portland Parks & Recreation. Location: Boardroom, Building 1, Columbia Gorge Community College, The Dalles.

## Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at [donj-photo@gmail.com](mailto:donj-photo@gmail.com).

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

**February 14, Thursday, 7 pm**

**Program meeting: Landscaping for Wildlife.** Gaylen Beatty of the Backyard Habitat Certification Program and the Columbia Land Trust will give a presentation on what native plants to grow in your own yard in order to attract birds, insects, and other wildlife. Meeting location: Metro building at 600 NE Grand Ave., Portland. Enter the building at the south end of the upper plaza on Irving St. (not the door on 600 NE Grand Ave.). An attendant will let you in and direct you to the meeting room upstairs. Informal meeting is at 7pm. Formal meeting and presentation begin at 7:15pm. Contact: Mary Smith, [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

**March 14, Thursday, 7 pm**

**Program meeting: Oregon's Native Orchids.** Oregon has over 30 native orchids! Join Chris Howard from the Oregon Orchid Society as he presents in situ photographs from his personal collection and the Oregon Orchid Society. You'll discover what makes these treasures of our forests unique in the world of orchids. Meeting location: Metro building at 600 NE Grand Ave., Portland. Enter the building at the south end of the upper plaza on Irving St. (not the door on 600 NE Grand Ave.). An attendant will let you in and direct you to the meeting room upstairs. Informal meeting is at 7pm. Formal meeting and presentation begin at 7:15pm. Contact: Mary Smith at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

**April 11, Thursday, 7 pm**

**Program meeting: Palouse Prairie: Identifying Remnant Habitat**

**Patches.** Botanist Peggy O'Neill has been identifying sensitive plants and plant communities in response to a recent proposed Wind Power Project in southeastern Washington. She will present an overview of the history and current state of the Palouse Prairie habitat; including photos of its typical native species, such as *Penstemon confertus*, *Helianthella uniflora*, *Geranium viscosissimum*, and *Castilleja cusickii*. Meeting location: Metro building at 600 NE Grand Ave., Portland. Enter the building from Irving St. at the south end of the upper plaza (not the door on 600 NE Grand Ave.). An attendant will let you in and direct you to the meeting room upstairs. Informal meeting is at 7pm. Formal meeting and presentation begin at 7:15pm. Contact: Mary Smith at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

## Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2012, make a suggestion, or provide feedback regarding the field trip program please contact Sasha Joachims at: [sasharain71@gmail.com](mailto:sasharain71@gmail.com).

**February 21, Thursday, 7 pm**

**Program: The World of Ferns and Ferns of the World.** Dr. David Wagner will describe and compare the nature of fern diversity in the Pacific Northwest, England, the Himalayas, Taiwan, and New Zealand.. The talk will be illustrated with photos of ferns from each of these areas. Above all, the program will be a celebration of the beauty of ferns. Location: Southern Oregon University, Science Bldg., RM 171. Refreshments at 6:45pm, meeting and program at 7 pm. Contact Kristi: 541.941.3744.

### Volunteer Opportunity

There is a group of folks working on bringing the herbarium up to date but they could use more volunteers. There is a backlog of vouchers ready to be entered into the SOU Herbarium

database and other specimens that need to be keyed and mounted. The data will be transferred to the Oregon Flora Project (OFP) to inform the upcoming Flora of Oregon and will be accessible to the public at <http://www.pnwherbaria.org/>, the website of the Consortium of Pacific Northwest Herbaria. Getting this backlog caught up and entered into the OFP database is integral to ensure that the upcoming Flora of Oregon includes the whole range of species and characteristics found throughout the state as some of the collections being accessioned provide material from regions, such as SE Oregon, that have historically had poor representation in herbaria and flora. If you can help, on a regular basis, or just for a couple hours, it would be a vital service to the botanical community and greatly appreciated. Please contact Frank Callahan at [callahanseeds@gmail.com](mailto:callahanseeds@gmail.com), or Vera Gottlieb at [vera@ashlandhome.net](mailto:vera@ashlandhome.net).

## Umpqua Valley

Visit [www.umpquavalley.npsoregon.org](http://www.umpquavalley.npsoregon.org) for more information on chapter activities.

## Willamette Valley

For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.

**February 21, Thursday, 7 - 8:30 pm**

**Program: Escape from ... my garden.** Tanya Beard, botanist at the Marion County Department of Public Works, will provide basic information on invasive weeds and describe the 10 most troublesome garden weeds. Included species are both state-and county-listed noxious weeds. Location: Straub Environmental Learning Center, 1320 A. St. NE, next to Olinger Pool, near North Salem High. Information: call John Savage at 503-399-8615 after 7 pm.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Laurie Allen at 541-805-0499 for updates and general information.

## OTHER EVENTS

### Willamette Valley Hardy Plant Group

**February 12, Tuesday, 7 pm**

**Presentation: Influences Find Expression: Lord and Schryver in the Pacific Northwest.** Gretchen Carnaby will talk about Elizabeth Lord & Edith Schryver who, in 1929, formed the first women's landscape architecture firm in the Pacific NW. They brought the 'Country Place Era' of garden design west, greatly influencing the evolution of our residential and civic landscapes Gretchen is Rehabilitation Director for the preservation of the Lord and Schryver gardens at the Historic Deepwood Estate in Salem. Doors open at 6:30 for book sales and viewing botanical samples. Admission is \$5 for non-members and free for members. Location: Campbell Community Center, 155 High St., Eugene, OR. There is ample parking in the parking lot at the corner of 2nd Ave. and High St.. For more information call Pam Perryman, 541-344-0896.

### Eugene Natural History Society

**March 15, Friday, 7:30 pm**

**Presentation: A Plant Ecologist's Dream Trip: The Floral Diversity of Australia.** Gail Baker's pictures of Australian flora and knowledge of the landscape might encourage all of us to check out a botany class at Lane Community College where Gail is an Assistant Professor in the Department of Biology. Gail is also a member of the Emerald Chapter of NPSO. Gail traveled to Southwest Australia Floristic Region (SWAFR) because of its reputation for exceptional plant diversity. She wasn't disappointed. Free and open to the public. Room 100, Willamette Hall, UO Campus.



# The EarthShare Oregon Corner (What it is, how to do it!)

by Billy Don Robinson

Your NPSO State Board enjoyed a real treat at our fall meeting, hosted by the Mid-Columbia Chapter, in Hood River. EarthShare Oregon's hard-working Executive Director, Jan Wilson, delighted us all with an informative presentation about what EarthShare is, and how they can help NPSO add tremendous value to our society. If we take advantage of all the great tools EarthShare Oregon makes available to NPSO, we can make a big contribution to furthering our mission statement: "Dedicated to the enjoyment, conservation, and study of Oregon's native plants and habitats."

Kelli Van Norman passed the EarthShare liaison "torch" over to me during that memorable Annual Meeting at Lake Creek Camp. Ah, Strawberry Mountain Wilderness! Permit me to digress a bit, if you will. Now, any of you who know Kelli know she is a very hard act to follow. Kelli brought many, many thousands of dollars into our coffer during her years of hard work as EarthShare Liaison, as well as NPSO State President. This money, which came from EarthShare Oregon, made it possible for NPSO to support the Oregon Flora Project and the Institute for Applied Ecology, as well as other projects. I am determined to follow Kelli's wonderful example. So far, so good...

Last year, I was able to keep up Kelli's fundraising pace to the tune of about \$8,000, all made possible by EarthShare Oregon! With the essential guidance of our NPSO State Treasurer, Cyndi Dion, as well as the considerate and supportive EarthShare Oregon staffers, I wrote the grant. We got the bucks! We left no money "on the table"...but...there's more.

We are nowhere near enjoying the full value of what EarthShare Oregon has to offer. So, here's the part about how EarthShare Oregon can work for your chapter. It's super easy. Want to publicize a key event, like a plant sale, or pretty much any other chapter

activity you can imagine? Want to reach thousands of supportive, enthusiastic folks? Contact Jan Wilson at EarthShare Oregon! Jan has always expressed admiration for NPSO and has repeatedly offered to help us advance our mission and build our society. She can accept articles, publicize events, help recruit volunteers, and more. So, she wants to work with us, and welcomes our inquiries. Contact her at: [jan@earthshare-oregon.org](mailto:jan@earthshare-oregon.org). Or, just go to: <http://earthshare-oregon.org/> and, by the way, prepare to be amazed at what EarthShare Oregon can do for NPSO!

As for all the fun I have enjoyed, and the valuable things I have learned from EarthShare Oregon, well, that will have to wait until another column. Here's a teaser...how about no-fault medical coverage-- at a very affordable rate-- for the first few thousand dollars of emergency medical expenses for injured field trip participants? I learned about that at the last EarthShare Oregon Annual Meeting. Really great stuff, I think. Please stay tuned, more to come! And in the meantime, contact Jan, and tell her I sent you!

Happy Trails!

## Paul Slichter and Karen Sturgeon will be the new NPSO Fellows in 2013

by The NPSO Fellows Committee

NPSO's highest award is that of Fellow of the Native Plant Society of Oregon. Since NPSO first established the award in 1998, 23 members of our Society have received this honor with a ceremony and a special plaque presented at the Annual Meeting.

We are pleased to announce that our next honorees are Paul Slichter and Karen Sturgeon. Paul is well known for his plant knowledge and photography. His website is a valuable source of information about the flora of Oregon and Washington. He has shared his knowledge and love of plants and birds on many field trips for the Portland Chapter and other groups.

Karen is a founder of the Cheahmill Chapter in McMinnville and Professor Emerita of Biology at Linfield College. She has served in many positions in her chapter and on the State NPSO Board.

Look for more detailed articles about Paul and Karen in the upcoming *Kalmiopsis*.

## Call on Earth-Share for Help with Your Office Green Team

Do you work for a company that has a Green Team or Sustainability Committee? Many Pacific Northwest employers have these squads of employees who are committed to improving their workplace's environmental performance, and making the lives of all employees greener. But once the recycling center is set up, and the copier paper has been switched to a recycled content, what can these groups do to keep sustainability in the forefront?

EarthShare Oregon can help employers with this common problem. Its dozens of local member charities (including NPSO) work on everything from bicycle commuting to renewable power generation. Through EarthShare, these nonprofits can help your company's green team explore new sustainability avenues.

Contact Meghan Humphreys at EarthShare Oregon (503-223-9015 or [meghan@earthshare-oregon.org](mailto:meghan@earthshare-oregon.org)) to discuss potential topics for your office's upcoming Green Team meetings.

# State of Oregon Control Area Established for *Arundo Donax*

The Oregon Department of Agriculture (ODA) adopted a permanent administrative rule, OAR 603-052-1206 to 603-052-1211, establishing a statewide control area for *Arundo donax*, effective December 12, 2012. The full text of this rule is available at [http://www.oregon.gov/oisc/docs/pdf/arundo603\\_052\\_1206.pdf](http://www.oregon.gov/oisc/docs/pdf/arundo603_052_1206.pdf). Portland General Electric plans to use *A. donax* as a biomass fuel source to replace coal at their facility near Boardman, Oregon. The ODA rule, while acknowledging that *A. donax* is already highly invasive in some other States, allows it to be grown in Oregon as a bio-energy crop. Requirements for the control area include:

- No planting, growing, or storage within 100 feet of riparian areas, wetlands, or 100-year flood plains
- Planting and growing allowed only with an ODA permit
- Annual fee of \$2 per acre to cover cost of monitoring and surveys
- Cleaning of planting stock from outside Oregon and equipment leaving a production field
- Green plants must be transported in covered or tarped container
- Contractor/grower bond of \$100 per acre to cover costs of feral plant detection and eradication
- Permit holder is responsible for eradication and monitoring for 3 years after ceasing production
- Only variegated varieties can be sold for ornamental use
- Plants outside of a production area will be eradicated

As previously expressed, NPSO opposes all growing of *A. donax* in Oregon, due to its track record as a highly invasive species. Although a regulated control area has been established, there are grave concerns that the regulations are inadequate to contain plants within their production area, as they do not take into consideration propagation by seed, transport by animals, growth outside of wet ground, and invasiveness of variegated varieties. NPSO compiled statements from several members to recommend that, based on scientific and historical data, the ODA increase surveillance and monitoring for escaped plants, with the annual fee and bond also increased to cover these additional costs. In addition, some proposed regulations supported by NPSO were not included in the permanent rule: maintaining a 1/4 mile buffer between plantings and water areas, prohibiting imported planting stock, and requiring plants to be baled and dried in the field.

Thank you to everyone who sent comments and concerns to the ODA, your State Legislators, *The Oregonian*, etc., and/or attended the ODA public hearings last fall in Hermiston and Salem. The NPSO Legislative Committee has been working on the *A. donax* issue for the past couple of years and is continuing to network and define NPSO's next plan of action. For additional information or to offer your assistance, please contact Legislative Chair Billy Don Robinson at [bdmeme@gmail.com](mailto:bdmeme@gmail.com)

## Siskiyou in Review, 2012

by Marcia Wineteer

The highlight for the Siskiyou Chapter in 2012 was hosting the Annual Meeting July 13-15 at the Deer Creek Center in Selma. Around 160 people registered with a half dozen more participating in the Saturday field trips, which included a variety of locations that highlighted the diverse plant communities and botanical treasures of the Klamath-Siskiyou Ecoregion.

We also hosted a spring wildflower show at the Northwest Nature Shop and the much grander annual July 4th Wildflower Show in downtown Ashland. We tabled at two events – the

Environmental Film Festival in Ashland and Save our Salmon at Valley of the Rogue State Park, hosted by Rogue Basin Coordinating Council. Other events that members participated in included identifying wildflowers for the Shady Cove Wildflower Show in May and pulling weeds for the Cooperative Weed Management Area's annual Let's Pull Together in June.

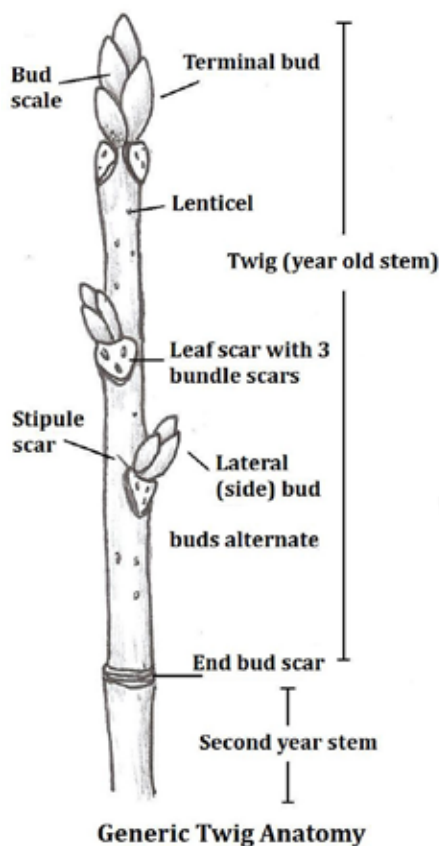
The Siskiyou Chapter had marvelous speakers at our nine meetings at Southern Oregon University. For our December Potluck at the Talent Community Center we had our first fundraiser – a silent auction and raffle. In addition, we organized 10 hikes to



*Arundo donax* growing in Talent, Oregon. Frank Callahan notes that *A. donax* winters very well in Jackson county and is nearly as invasive there as many bamboos.

local botanical hotspots, aside from the 14 hikes offered during the annual meeting weekend. Thank you to everyone who led hikes this year and shared your special places and knowledge of native plants with us.

And our conservation chair wrote eight letters in support of native plants. Topics ranged from opposition to large scale planting of *Arundo donax* to recommending additional protection of Signal Butte as well as the McDonald Peak and Hinkle Lake Botanical Areas, to asking for continued funding of the Bureau of Land Management's native plant program.



(*Quercus*) are an exception in that they typically have a dense cluster of terminal buds. Lateral buds are produced in the axil of stem leaves and always have a semicircular or triangular leaf scar at their base. The leaf scar represents the point of attachment of the old leaf and is covered by a layer of corky protective cells. Each leaf scar contains one to several tiny dots or lines called bundle scars, remnants of the vascular strands of the leafstalk. The size and shape of leaf scars and the number and shape of bundle scale scars can be important features for identification.

Most woody shrubs and trees in the Rocky Mountain region have alternate lateral buds and leaf scars (occurring singly at each stem node). A smaller group of species has opposite buds and leaf scars (occurring in opposing pairs at each stem node). Among this latter group are the maples (*Acer*), dogwoods (*Cornus*), elderberries (*Sambucus*), and ashes (*Fraxinus*).

A number of other structures can

be helpful in identification when present. The presence of thorns (sharp-tipped modified branches, often with



Red alder (*Alnus rubra*) along Smith River in Douglas County.

leaf scars) helps identify hawthorns (*Crataegus*), while remnant spines (derived from stipules) and prickles (epidermal outgrowths) serve to identify gooseberries (*Ribes*) and roses (*Rosa*), respectively. Stubby branches crowded with leaf scars called spur shoots are characteristic of many cherries (*Prunus*) and serviceberries (*Amelanchier*). Warty lenticels, glandular dots, and presence or absence of hairs are other surface



*Cornus nuttalli* (Pacific dogwood, western flowering dogwood) in April at Deer Creek Center in Selma.

stem characters that may be useful in keying unknown species. Remnant leaves and fruits may also be of great value.

A number of useful guides to winter plant identification have appeared, many of which are now, unfortunately, out of print. Classics like William Harlow's *Twig Key to the Deciduous Woody Plants of Eastern North America* (1941), Morris, Schmautz, and Stickney's *Winter Field Key to the Native Shrubs of Montana* (1962), and *Winter Guide to the Native Shrubs of the Central Rocky Mountains* by the Colorado Department of Game and Fish (1956) might still show up on ebay or a used book store. The *Peterson Field Guide Western Trees* by George Petrides (1992) is an excellent contemporary reference. Many websites also help with identification: one that I have found especially useful is from the Burke Museum of Natural History and Culture in Washington state (<http://biology.burke.washington.edu/herbarium/imagecollection.php>).

Armed with one of these references, a hand lens, and the basics of twig morphology, you should now be able to identify most shrubs and trees you encounter during Utah's long winter.

*Ed note.* A resource specific to Oregon and the Pacific Northwest that might be useful is *Winter Twigs, Revised Edition: A Wintertime Key to Deciduous Trees and Shrubs of Northwestern Oregon and Western Washington* by Helen Gilkey (2001). Universities and nature centers often offer classes on winter tree and shrub identification.





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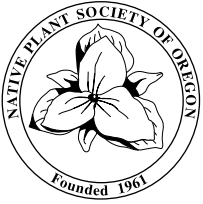
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The Oregon Flora Project is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, <http://oregonflora.org>. Funding for the Oregon Flora Project comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps the OFP progressing, please contact us at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org), or phone 541-737-4338. We greatly appreciate the support people have shown in our ongoing winter fundraising campaign.

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