



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 47, No. 1

FEBRUARY 2014

NPSO Annual Meeting, Cannon Beach, June 6 - 8, 2014

On June 6 - 8, 2014, the NPSO Annual Meeting will be held in Cannon Beach, located in Clatsop County, approximately 80 miles west of Portland and 25 miles south of Astoria.

The first recorded Euroamerican contact in what is now Cannon Beach took place in the winter of 1805-06 when members of Lewis and Clark's Corps of Discovery traveled south from Fort Clatsop, their winter encampment near modern-day Astoria, and bartered with Native Americans of the Tillamook tribe for whale blubber and oil. William Clark named Ecola Creek, which enters the Pacific at Cannon Beach, after the Chinook word ehkoli for "whale." In 1811, Astoria, which is situated at the mouth of the Columbia River, was established as a fur-trading post by John Jacob Astor

making it the first American settlement in the Northwest. The cultural history of the north coast is captured in the many historically significant sites, such as Fort Stevens, Fort Clatsop and Cape Disappointment in Lewis & Clark National Historical Park, and the beautiful Columbia River Maritime Museum in Astoria.

The venue for the meeting is the Surfsand Resort, 148 W Gower St., about 0.5 miles south of downtown. If you choose to stay at the Surfsand, please book your room by phone (800-547-6100) and mention that you are affiliated with the Native Plant Society of Oregon (NPSO). The resort has a heated swimming pool, fitness center and sauna, and all Surfsand rooms come equipped with microwave ovens, coffee makers and small refrigerators. However, participants are under no

obligation to stay at the resort. On the meeting website (www.npsoregon.org/annualmeeting.html), you will find a link to nearby lodging, including three campsites in Cannon Beach and others nearby.

Cannon Beach is known for its beautiful beach, open to the public along its entire four-mile length, and for its proximity to 235' tall Haystack Rock, one of the largest sea stacks on the U.S. Pacific Coast. The rock and adjacent smaller sea stacks ("The Needles") are surrounded by tidepools; their rugged cliffs serve as nesting sites for many seabirds, including murrets, cormorants and puffins, and are protected as a marine sanctuary (part of

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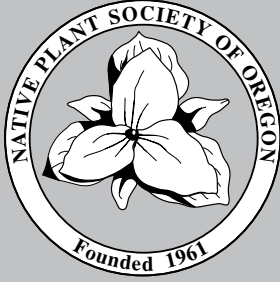


CRAIG MARKHAM

Haystack Rock will be part of the view for this year's Annual Meeting at Cannon Beach.

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Native Plant Society of Oregon

World Wide Web

<http://www.NPSOOregon.org>

E-mail Discussion List

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

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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.

Kalmiopsis Seeking New Editor

If the experience of being the editor of a classy botany journal is on your bucket list, then you should jump at this chance. Due to unforeseen circumstances, the current editor is unable to continue, so a new editor is needed for the 2015 issue. 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. There is 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. Information about the editorial responsibilities is on page 7 of the NPSO Board Handbook (www.npsoregon.org/documents/NPSOBoardHandbook.pdf). If you are interested and have some experience in botany and editing, contact Judi Sanders at president@npsoregon.org.



It's Still Renewal Time

The NPSO membership year is January to December.

If you haven't already renewed for 2014, check your address label on this *Bulletin*. If you see 2013 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*.



NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of director positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel.luoma@oregonstate.edu) for more information.



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 27-May 3, 2014.

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.

NPSO CALENDAR

State Notes

NPSO Board Meeting

February 1, Saturday, 10 am - 2 pm

The next State board meeting will be in Salem at the Straub Environmental Learning Center, 1320 A Street NE, Salem, OR 97301.

NPSO Annual Meeting 2014

June 6 - 8, Friday - Sunday

The 2014 Annual Meeting will be sponsored by the Cheahmill Chapter. Join us for a coastal weekend in and around Cannon Beach. Meeting headquarters will be at Surfsand Resort. The Saturday banquet will include a keynote address by ecologist Kathleen Sayce. Registration and field trip information is in this Bulletin and online at www.npsoregon.org/annualmeeting.html. For information on student scholarships, contact Lisa Blackburn at npsoannmtg2014@gmail.com.

Blue Mountain

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

Ceahmill

For more information, visit the chapter Web site, www.oregon-nativeplants.com. To be added to the e-mail list for upcoming programs and events, please contact cheahmillchapternpsocomcast.net.

February 27, Thursday, 7 pm

Talk: Protecting Fender's Blue Butterfly along Yamhill County Roads.

Learn how public roads and endangered butterflies can coexist. Yamhill County Public Works Director, John Phelan, and Melissa Klungle, environmental consultant from Cardno ENTRIX, will guide us through the development of Yamhill County's Habitat Conservation Plan to protect the endangered Fender's blue butterfly. Doors open at 6:45 pm for socializing, meeting/program starts at 7 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St.

(corner of Hwy 99W and SW 2nd St.) Parking lot entrances on Adams and 2nd Streets. For more information contact: Luke Westphal, 971-388-9200 or lukeowestphal@gmail.com.

Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Alexis Brickner or Kevin

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. 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>

Weitemier at co_president@NPSOOregon.org or 208-921-0827.

February 8, Saturday, 8 am - 3:30 pm

NPSO Table: Insights into Gardening. 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, and books for sale by Grass Roots will be available. Pre-registration is \$30, \$35 at the door. Information: www.extension.oregon-state.edu/benton/insights.

February 10, Monday, 7:30 pm

Talk: Plant Communities of Florida. NPSO member Carolyn Kindell will take us on a tour of Florida's major terrestrial plant communities, rare plants, and a history of land conservation and management in the state. She will discuss and have on hand a copy of the Atlas of Florida Biodiversity, published by the Florida Natural Areas Inventory in 2011. Location: Avery House in Avery Park. Information: Kevin, 208-921-0827.

Emerald

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

Meeting location: Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

February 20, Thursday, 7:30 pm

Meeting/Talk: The Sex Life of the Bigleaf Maple and Other Plant Breeding Systems. David Wagner talks about how Bigleaf Maple seems to have perfected the ideal breeding

system for maximizing outcrossing (to avoid inbreeding) while hedging bets for adequate seed production. Plants, being unable to move around, have a variety of passive systems for enhancing outcrossing. Dr. Wagner earned his Ph.D. in Botany from Washington State University. He cofounded the NPSO Emerald Chapter 35 years ago. Location: Conference Room at Lane County Mental Health, see above for directions. For more information, call 541-349-9999.

March 20, Thursday, 7:30 pm

Meeting/Talk: The Delta Ponds Habitat Enhancement Project. Lauri Holts, a natural resources coordinator with Eugene's Parks and Open Space Division, gives a presentation on this project, completed in 2012 to provide critical rearing habitat for juvenile Chinook salmon. The presentation will include a brief overview of the historic and pre-project conditions and will describe the City's efforts to establish a diverse native plant community and control invasive species, including the most recent invader, the aquatic Uruguayan primrose-willow (*Ludwigia hexapetala*). Location: Conference Room at Lane County Mental Health, see above for directions. For more information, call 541-349-9999.

High Desert

For information, visit the High Desert Chapter website: www.highdesertnpsoregon.org and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email highdesertnpso@gmail.com.

March 11, Tuesday, 6:30 - 8 pm

Program: Spring Meeting. Join us to discuss 2014 field trips and other activities. Light refreshments will be served. Location: Brooks Room at the Bend Downtown Library, 601 NW Wall St.

Volunteer Opportunity

The High Desert Chapter is working to bring back the Central Oregon Wildflower Show on June 20 - 21 at the Sunriver Nature Center (www.sunrivernaturecenter.org). The show was last held a couple years ago and wasn't expected to return after its volunteer

base fizzled out. If anyone has ideas for special programs, can volunteer to "harvest" specimens (on June 19), help ID, or be on hand to answer questions during the two-day show, please contact chapter vice president Susan Berger at suzyfishn@gmail.com.

Klamath Basin

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

Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at wusara96@yahoo.com.

February 20, Thursday, 7 pm

Program/Meeting: The Columbia Land Trust. Over the last 20 years, the Columbia Land Trust (CLT) has conserved over 14,000 acres along the Columbia River and its tributaries, of which it is responsible for managing 12,000 acres. Lindsay Cornelius, stewardship lead for the CLT, will tell us how the Trust makes management decisions in one of the most ecologically diverse places in the world. She'll provide a few interesting case studies and suggest ways that we can contribute to the stewardship of these incredible local resources. Location: Room 1.366, Columbia Gorge Community College, The Dalles.

March 20, Thursday, 7 pm

Program/Meeting: The Oregon Biodiversity Information Center (ORBIC). For over 30 years, ORBIC has been the steward of information regarding the locations and statuses of rare species in Oregon. Lindsey Wise, biodiversity data manager, will provide an overview of the program and its value. She will show examples of records for rare plants found in the Gorge and discuss how NPSO members and others can help maintain and update this important resource. Location: Room 1.366, 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.

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.

Meeting location: The Portland Chapter meets the second Thursday of most months in the Metro Building at 600 NE Grand Ave., Portland. Enter from NE Irving St. on the north side of the building and walk across the upper plaza to the entrance (not the door on 600 NE Grand Ave.). An attendant will let you in and direct you to the meeting room upstairs. Meetings and programs begin at 7 pm.

February 13, Thursday, 7 pm

Program: Finding David Douglas, an Oregon Cultural Heritage Commission Film. Meet Lois Leonard, director and producer of this hour-long documentary about the 19th century Scottish botanist, David Douglas (1799-1834), for whom our Douglas fir tree is named. Along with a viewing of this film, Lois will discuss how she researched and filmed this critically acclaimed project. She will also be selling DVD copies of the film. Meeting location: Metro Building, see above for details. Contact: Mary Smith at alphie-smith@comcast.net or 503-288-4340.

March 13, Thursday, 7 pm

Program: Conserving Oregon's Environment: Breakthroughs That Made History. Past Sierra Club Director Michael McCloskey will discuss his new book, *Conserving Oregon's Environment*, with a slide show. He will tell the story of some 80 accomplishments to advance conservation in Oregon, including Oregon's Endangered Species Act, on which Oregon's Native Plant Society took the lead, and explains why Oregon is seen as a national leader. He will be selling and signing copies of his book. Meeting location: Metro

Building, see above for details. Contact: Mary at 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. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2014, make a suggestion, or provide feedback regarding the field trip program please contact Sasha Joachims at: sasharain71@gmail.com.

February 20, Thursday, 7 pm

Program: Grasses of Southern Oregon: the Good, the Bad, and the Gorgeous. Cindy Roché, one of the illustrators of the grass volumes for *Flora of North America* and team member for writing the *Field Guide to Grasses of Oregon and Washington*, will show how to identify grasses and describe some of the native and invasive grasses of our region. Location: Southern Oregon University, Science Building, Room

171. Refreshments at 6:45 pm, meeting and program at 7 pm. Contact: Kristi: 541-941-3744.

March 13, Thursday, 4:30 - 6:30 pm

Workshop: Exploring Oregon's Native Plants. Presented by Bear Creek Watershed Education Partners and the Siskiyou Chapter of the Native Plant Society, this workshop is open to classroom teachers, informal educators, and anyone interested in sharing native plants with students. Stacy Moore of the Institute for Applied Ecology will present hands-on lessons to help your students explore native plants. She will share activities from the curriculum, *From Salmonberry to Sagebrush: Exploring Oregon's Native Plants*. Location TBA, more details to follow.

March 20, Thursday, 7 pm

Program: Poseidon to Zeus...a Geobotanical Romp from Low Tide to the Summit of Saddle Mountain. Local author, geologist, and naturalist Don Begnoche will lead us on a

virtual romp exploring the area around Cannon Beach. This talk will also be a great introduction for folks attending the NPSO Annual Meeting this year. Location: Southern Oregon University, Science Building, Room 171. Refreshments at 6:45 pm, meeting and program at 7 pm. Contact: Kristi: 541-941-3744.

Umpqua Valley

Visit www.umpquavallemnativeplants.com for more information on chapter activities or to be added to our e-mail list.

Willamette Valley

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

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

Ashland Parks & Recreation

February 11, Tuesday, 6:30-8:30 pm

Talk: Science in the Cascade-Siskiyou National Monument. Join the Friends of Cascade-Siskiyou to learn about some of the research and education occurring in this National Monument. It's just a short drive from our front doors! Kristi Reynolds, environmental education and interpretation consultant, will facilitate the panel discussion. Pre-register online at www.ashland.or.us/register or call the North Mountain Park Nature Center at 541-488-6606. Cost: \$5. Location: North Mountain Park, 620 N Mountain Ave., Ashland.

KS Wild

February 8, Saturday, 9 am

Hike: Sterling Mine Ditch Trail.

Enjoy a winter hike! This low-elevation trail follows the decommissioned Sterling Mine Ditch through a diverse array of ecosystems including pine oak savannah, old growth conifer forest, white oak woodland, riparian forest and chaparral. This is a moderately strenuous 5 mile hike with sweeping views of the Little Applegate Valley and the Siskiyou Crest. Come prepared with lunch, water, and layers for the weather. Location: Carpool meets at Evo's Coffee in Ashland at 9 am. To learn more and RVSP, call Morgan at (541) 488-5789 or email morgan@kswild.org, or visit www.kswild.org.

Lane Community College, Eugene

April-May, Wednesdays, 4-7 pm

Class: Wildflower ID Outdoors.

Taught by Marcia Cutler of NPSO Emerald Chapter. We will focus on plant ID and keying, spending all our time in the field, meeting at areas within 20 miles of Eugene-Springfield. Subjects include plant families, botanical terminology, keying to a specific plant (using Gilkey and Dennis's *Handbook of Northwestern Plants*), habitat, ecology, etc. This is a community education class: no tests, no term papers (yea!) but no credit (boo). Any level of expertise is welcome, from beginners to more experienced folks who want to practice keying, etc. Class #1 meets at the LCC main campus, 4000 E 30th Ave. (building & room not set yet). Classes #2 - 8 meet in various field locations. For more information, see the LCC Spring 2014 Catalog, (www.lanec.edu) or contact Marci Cutler: 541-687-2559 or mar_c@efn.org. For registration information, call the LCC downtown center 541-463-5252.

2014 NPSO Annual Meeting Field Trips

Refer to the meeting website (www.npsoregon.org/annualmeeting.html) for field trip descriptions, maps, and other information. Refer to Kathleen Sayce's website "Columbia Coast Plants" (<http://users.reachone.com/columbia-coastplants/>) for plants lists for many of the field trips and descriptions of the physical environment and plant communities on the north coast. For additional information, email nps oanmtg@gmail.com.

All field trips depart from the Surfsand Resort parking lot. (Information on alternative meeting places for some field trips is available on the meeting website). Carpooling is encouraged and expenses should be divided among passengers. Since the weather along the north coast may change from morning to afternoon and differ from low elevation to mountaintop, we recommend dressing in layers and carrying a rain jacket. Average early June high temperature is 61°, and rain and fog are to be expected.

Friday Field Trip

Ecola Creek Forest Reserve, noon – 3 pm. Leader: Barbara Linnett, Friends of the Cannon Beach Trail. Meet at 11:30 am. See description in #6 below.

Saturday Field Trips

1. High Peak/Moon Creek RNA. Leader: Dan Luoma, forest mycologist, Oregon State University (OSU). Strenuous (3 - 4 miles, steep slopes, off trail along ridgeline). A representative cross section of low- to mid-elevation forest associations in the northern Oregon Coast Range that, here, developed following late 19th century wildfires: 500-year-old *Pseudotsuga menziesii* with a *Tsuga heterophylla* subcanopy; riparian areas with *Alnus rubra*, *Acer macrophyllum*; *Thuja plicata* on mesic sites; *Abies procera* on the 2980' summit. Elevation gain 200'. Drive: 120 miles RT, some

rough roads, high clearance recommended. **Alternate meeting site: OSU Extension Service parking lot in Tillamook, 2204 4th St. (one block east of Hwy 101), 9 am.**

2. Neahkahnie Mountain in Oswald West State Park. Leader: Celeste Lebo, ecologist. Moderately strenuous (5 miles RT). The trail starts in old growth coniferous forest (*Pseudotsuga menziesii*, *Picea sitchensis*, *Tsuga heterophylla*, and *Thuja plicata*) up to a summit rock garden with views of Manzanita, Cape Lookout and the ocean. Diverse wildflowers: *Erythronium revolutum*, *Sidalcea hirtipes*, *Kopsiopsis hookeri*, *Castilleja hispida* (several color forms), *Synthyris reniformis*, *Silene douglasii*, *Viola adunca* ssp. *adunca*. Elevation at trailhead 800', summit at 1600'. Drive: 28 miles RT.

3. NeahkahnieSeacliffs, Oswald West State Park (1/2 day AM). Leader: Kathleen Sayce, ecologist. Easy (< 2 mi RT, some uneven ground). Hike along parts of the Oregon Coast Trail to spectacular basalt cliffs overlooking the ocean, meadows, seeps. Diverse wildflowers: *Castilleja affinis* ssp. *litoralis*, *Viola adunca* ssp. *adunca*, *Triteleia hyacinthina*, *Sidalcea hirtipes*, *Erigeron glaucus*, *Koeleria macrantha*, *Lomatium martindalei*, *Sisyrinchium idahoense* var. *idahoense*. Elevation 450' at parking area, dropping to 200' on sea cliffs. Drive: 23 miles RT.

4. Gearhart Fen Nature Conservancy Preserve (1/2 day PM). Meet at 12:30 for 1 pm departure. Leader: Debbie Pickering, Nature Conservancy ecologist. Strenuous (2 miles RT, will get wet; rubber boots recommended). A highly developed fen behind the oldest dune ridge in Gearhart with floating mats, sphagnum and numerous acid-tolerant wetland species, *Menyanthes trifoliata*, *Rhododendron columbianum*, *Kalmia microphylla*, carnivorous *Drosera rotundifolia*, *Comarum palustre*, stunted *Pinus contorta* var. *contorta*, and several orchid and sedge species. Drive: 20 miles RT.

5. Cape Falcon in Oswald West State Park (1/2 day AM). Leader: Hope Stanton, ecologist. Easy (5 miles RT). Hike through dense, old growth conifer forest, along creeks and meadows, to basalt and sandstone cliffs overlooking the ocean. Views overlook Short Sand Beach, Tillamook Head and Cape Lookout. Diverse wildflowers include *Erythronium revolutum*, *Satureja douglasii*, *Kopsiopsis hookeri*, *Poa unilateralis* (ESA threatened), *Artemisia suksdorfii*, *Moneses uniflora*, and *Erigeron glaucus*. Elevation gain 200' parking lot to headlands, 100' along sea cliffs. Drive: 20 miles RT.

6. Ecola Creek Forest Reserve (1/2 day PM). Meet at 12:30 for 1 pm departure. Leader: To be determined. Easy (4 miles RT). Hike on a closed road and side trail through a remnant temperate rainforest on the south fork of Ecola Creek (healthy runs of coho and steelhead). This 1,025 acre watershed includes 220 acres of never-logged, old growth *Picea sitchensis*, *Thuja plicata* and *Tsuga heterophylla*. Originally purchased by North Coast Land Conservancy (NCLC) and donated to the city of Cannon Beach, it now serves as its protected water supply. Drive: 4 miles RT.

7. Angora Peak. Leader: Melissa Reich, NCLC ecologist. Moderate (5 mi RT). Trail is an historic RR grade, passes through private timberland with active logging sites, and is normally inaccessible to the public. Rocky cliffs, meadows and scree slopes with undisturbed habitat for rare plants of Coast Range balds, including *Castilleja chambersii*, *C. hispida* (orange & yellow forms), *Cladostamnus pyroliflorus*, *Asarum caudatum*, *Phlox diffusa* and *Penstemon cardwellii* (purple, light purple, pink, & white forms). Views of Neahkahnie Mtn. and the ocean. Elevation 1200 - 2300'. Drive: 26 miles RT (10 RT on steep gravel road; 4W or AW drive required).

8. Lower Onion Peak. Leader: Doug Ray, wetlands ecologist, NCLC. Easy (mix of driving and short walks). Surrounded by private timberland, this site is normally inaccessible to the public. The peak supports forested and riparian areas and seeps and is the only site to see *Filipendula occidentalis*, also *Packeria flettii*, *Castilleja chambersii*, *Saxifraga rufidula* (synonym of *Micranthes rufidula*), *Cascadia nuttallii*. Elevation to 2000'. Drive: 40 miles RT (14 on dirt roads); high clearance and fewest possible vehicles required.

9. Tillamook Head - Ecola State Park. Leader: Amy Hutmacher, NCLC ecologist. Moderately strenuous (5 miles RT). Depart from Indian Beach and walk over headland that Lewis & Clark hiked, winter 1806. Coastal forest with old growth *Picea sitchensis*, *Tsuga heterophylla*, epiphytes, shrubby and meadow headlands over sea cliffs. Diverse ferns, sedges, rushes, wildflowers, including *Castilleja affinis* ssp. *litoralis*, *Synthyris reniformis*, *Erythronium revolutum*, *Erigeron glaucus*. Elevation from sea level at Indian Beach to 1000'. Drive: 4 miles RT.

10. Saddle Mountain State Natural Area. Leader: Laurie Choate, Clatsop Community College. Strenuous (5 miles RT, trail steep, difficult in spots). Tallest mountain in the Oregon Coast Range, with diverse habitats: coniferous forests with *Abies amabilis*, *A. grandis*, *A. procera* and *Taxus brevifolia*, riparian zones, seeps, meadows, talus slopes, summit rock garden. High species diversity, endemics (e.g., *Micranthes hitchcockiana*), species at northern (e.g., *Cardamine californica*), southern (e.g., *Geum triflorum* var. *ciliatum*) and western (e.g., *Anemone multifida*) range limits. Elevation 1600' gain to summit at 3288'. Drive: 40 miles RT.

11. Photographic exploration of Saddle Mountain State Natural Area. Leader: Craig Markham, photographer, retired wetland ecologist. See field trip #10. Steep ascent with

photo stops in several different plant communities, ranging through deep forest, basaltic seeps, meadows, exposed outcrops and balds. Assistance with photographic techniques. Bring camera with macro- and wide-angle capabilities. Tripod, remote shutter release and rain protection recommended. Limit 15 participants. View photos by Craig at www.cpmarkham.zenfolio.com.

12. NCLC Habitat Preserves: Circle Creek Swamp, Mill Pond, Neacoxie Creek, Silverspot Meadow, and Necanicum Estuary. Leader: Katie Voelke, NCLC ecologist. Easy (short walks; optional wading, rubber boots recommended). NCLC conserves connectivity of coastal ecosystems. This excursion explores the Necanicum watershed, including restoration of a former dairy farm and naturalized Mill Pond in the upland stream corridor, dune ecology of a remnant coastal prairie, and the confluence of estuarine marsh and forest. Plant communities and species include undisturbed spruce wetland forest alongside newly established forest with *Picea sitchensis*, *Thuja plicata*, *Acer* spp., *Alnus rubra* and shrubs such as *Lonicera involucrata* and *Ribes* spp.; coastal prairie with *Armeria maritima*, *Tanacetum camphoratum*, *Symphyotrichum subspicatum*, *Triteleia hyacinthina*, *Viola adunca* ssp. *adunca*, *Carex pansa*, and *Festuca rubra*; and estuarine marsh with *Cuscuta pacifica*, *Carex lyngbyei*, *Deschampsia cespitosa*. Drive 40 mi RT.

13. Gnat Creek (1/2 day AM). Leader: Tom Horning, geologist. Easy (3 miles RT). Representative lush Coast Range hardwood floodplain forest with *Alnus rubra*, *Acer macrophyllum*, *A. circinatum*, *Salix* spp., waterfalls, and a good diversity of ferns, sedges, rushes, lilies (*Prosartes smithii*, *P. hookeri*, *Maianthemum dilatatum*), ericads (*Gaultheria shallon*, *Menziesia ferruginea*, *Vaccinium* spp.), saxifrages, and roses. Trail passes a fish hatchery with opportunities to feed the fish. Elevation 150-200'. Drive: 88 miles RT. **Alternate meeting site: Gnat Creek Trail parking lot, Hwy 30, 9 am.**

14. Lewis and Clark National Historical Park: South Slough and KwisKwis Trails. Leader: Carla Cole, National Park Service. Easy - moderate (2.5 miles RT, option for longer hike). Ongoing restoration of 44 acres of estuarine wetland habitat for five species of salmon through creation of one mile of new tidal channels. South Slough loop trail starts at Fort Clatsop, travels through timber plantations being actively restored to *Picea sitchensis* rainforests (view effects of Great Coastal Gale of 2007) and encircles a marsh restoration site now supporting *Sagittaria latifolia*, *Typha latifolia*, *Carex lyngbyei* and other emergent marsh species. Kwis Kwis trail (optional: additional 2.5 miles) winds through older Sitka spruce forest in the park. Drive: 48 miles RT.

15. Fort Columbia State Park (Washington): Scarborough Hill, Canyon Creek Loop and Station Camp. Leaders: Jim Sayce, WA State Historical Society, and Bill Garvin, landowner. Moderately strenuous (6 miles one-way; stage cars at both ends). Trail starts at sea level, winds through dense coastal forest to 767'; basalt headlands, conifer forest, riparian areas and seeps; *Delphinium trollifolium*, *Hydrophyllum tenuipes*, *Tellima grandiflora*, and epiphytes. Follow hike with short (5 mile) drive to private property on Baker's Bay to see largest known population of *Sidalcea hendersonii* (not in bloom). Drive: 60 miles RT. **Alternate meeting site: Holiday Inn Express parking lot in Astoria (Hwy 101 & Marine Dr. under the Columbia River bridge), 9 am.**

Sunday Field Trip

Cape Falcon in Oswald West State Park, 9 am - noon. Leader: to be determined. See description in #5 above. Meet at 8:30 am.



Adopt-A-Rare-Taxon (or two, or three...)!!!

In 2014, NPSO will petition the Oregon Department of Agriculture to protect rare plant species that currently are unprotected on state, city, and county lands in Oregon. We will petition to have these species listed as threatened or endangered. The ODA has not reviewed this list in too many years and as a result many species that should be protected are not.

Please help us! There are many plant taxa that need this status. The petition process requires basic ecological information about these species. Below is a list of new taxa to be petitioned – and only some of our target species:

1. *Boechea horizontalis*, Crater Lake rockcress

2. *Castilleja chambersii*, Chamber's paintbrush
3. *Dodecatheon austrofrigidum*, frigid shootingstar
4. *Erigeron stanselliae*, Stansell's daisy
5. *Kalmiopsis fragrans*, North Umpqua Kalmiopsis
6. *Lomatium bentonitum*, bentonite biscuitroot
7. *Lomatium ochocense*, Ochoco lomatium
8. *Lomatium tamanitchii*, ribseed lomatium
9. *Navarretia willamettensis*, Willamette navarretia
10. *Streptanthus glandulosus* ssp. *Josephinensis*, bristly jewelflower
11. *Lasthenia ornduffii*, Large-flowered goldfields

Please adopt rare and currently unprotected taxa!

The more help we have the more species we can petition to be listed as threatened or endangered! If you have information we need about these species, let us know. We will send a template about your chosen species to you with a how-to guide to ensure consistency amongst us.

To take part in this important project, please contact the following Rare and Endangered Plant Committee Members: Cecile Shohet, cshohet@gmail.com and Olivia Duren, oliviaduren@gmail.com. We will send you a full list of target species and you can choose your adoptees.

NPSO Annual Meeting cont'd from page 1
Oregon Islands National Wildlife Refuge). Like Saddle Mountain, the sea stacks formed from lava flows originating in eastern Oregon 10 - 17 million years ago.

In early June, weather along the coast can be sunny and warm, cold and foggy, or windy and rainy. Average June precipitation is 3.1 inches. On our meeting dates (June 6 - 8), the average high temperature is 61° and the low is



Geum triflorum is one of the remarkable wildflowers found near the summit of Saddle Mountain.

48-49°. Dress accordingly!

Friday registration opens at 2 pm in the Surfsand Haystack Garden.

The garden is a perfect setting for socializing with friends. No-host beverages will be available all afternoon, and appetizers will be served from 4 - 6 pm. Dinner is on your own. A field trip to Ecola Creek Forest Reserve will be available to those interested in an afternoon hike.

Saturday field trips are described in this issue of the *Bulletin*. Breakfast is on your own (please note that only a few restaurants in Cannon Beach open as early as 7 am). Late registration will be open from 7:30 - 8 am in the Surfsand Ballroom and box lunches will be available for pick-up. Field trip participants should gather at 8 am in the Surfsand parking lot (parking is also available in the public parking lot on the southeast corner of Hemlock and Gower Streets); trips will depart at 8:30 am and return by 4 pm unless otherwise indicated in the field trip description. Information on alternate meeting places for some field trips will be available on the meeting website.

The Saturday evening banquet will be held in the Surfsand Ballroom. The ballroom will open at 4 pm for socializing and perusing vendor displays. No-host beverages will be

available, and dinner will be served at 6 pm. A short business meeting, including the Fellows' Awards and installation of new officers, will be followed by a brief presentation by Katie Voelke, Executive Director of the North Coast Land Conservancy and the keynote address by ecologist Kathleen Sayce ("Botanizing on Saddle Mountain and the Oregon North Coast").

The Sunday State Board meeting will be held in the Surfsand Haystack Garden from 8:30 am - noon.

A continental breakfast will be served to those attending the meeting. A field trip to Cape Falcon in Oswald West State Park will be available to those interested in a morning hike.

The Annual Meeting is open only to NPSO members. A membership form is available at the back of this Bulletin. *We strongly encourage early registration; if you do not register by June 1, you may not attend the banquet.* Since the northwest coast is an extremely popular vacation destination, we highly recommend that you book your lodging as soon as possible. Students interested in a scholarship should contact Lisa Blackburn at npsannmtg2014@gmail.com.

The Cheahmill Chapter looks forward to seeing you all at the 2014 meeting on Oregon's beautiful north coast.

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:

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 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:
Native Plant Society of Oregon
P.O. Box 80714
Portland, OR 97280

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 – \$25 Family – \$35
 Sustaining – \$60 Patron – \$125 Life Membership – \$500
 Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund	\$ _____
Leighton Ho Memorial Field Botany Fund	\$ _____
Augusta Rockafellar Memorial Scholarship	\$ _____
Rare and Endangered Plant Conservation Fund	\$ _____
Friends of the Oregon Flora Project	\$ _____

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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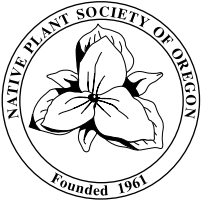
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Friends of the Oregon Flora Project

This year marks the twentieth anniversary of the Oregon Flora Project. In February 1994, Scott Sundberg made public his intention to prepare a new flora for the state of Oregon. Quoting from the first issue of the *Oregon Flora Newsletter*, he writes: “The ultimate goal of the Oregon Flora Project is to produce an illustrated *Flora of Oregon* in text and electronic forms.” We have weathered many challenging days in two decades! However, with the dedicated support of many volunteers and financial donors, we are meeting—even surpassing—our ultimate goal of creating a new flora. In addition to our work on the flora, the OFP has created and maintains a website with an Atlas, Checklist, and Photo Gallery; all have become critical botanical resources for our state.

Many OFP users are surprised to learn that no university or state dollars are, or ever have been, allocated for salaries or the operating expenses of the Oregon Flora Project. This means that the OFP exists and provides its essential information through the generous support of you, the public. It is indeed **YOUR** flora project. The question is: What do you want your flora project to become? What information do you envision accessing through the OFP website? When do you want to see both completed volumes of the paper-bound *Flora* on your desk? Share your vision with the Oregon Flora Project staff, and together we will make it happen!

In our twentieth year of the Oregon Flora Project, we will publish the first volume of the *Flora of Oregon*; we will release a wildflower identification app; we will expand our online Atlas and Photo Gallery. Invest yourself in our efforts and successes, and generously support the OFP to see your vision come to life.

Checks can be made payable to Agricultural Research Foundation, with “OFP” on the memo line. Please note the new address: Agricultural Research Foundation, 1600 SW Western Blvd Ste. 320, Corvallis, OR 97333.