# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 51, No. 2

**MARCH 2018** 

### NPSO Annual Meeting 2018 in Prineville June 1-3

The Ochoco Mountains and Crooked River Grasslands will be our botanical landscape for the 2018 annual meeting. The meeting is co-hosted by the Portland and High Desert chapters.

Deadline for registration is May 1, 2018. Registration is limited to 120 so sign up early!

Check-in, programs, dinners, and vendor sales will be at the Meadow Lakes Golf Course clubhouse, 300 SW Meadow Lakes Drive in Prineville.

Lodging will be on your own. Motel and camping options are listed on the annual meeting website (2018. npsoregon.org). Breakfasts will be on your own; an optional sack lunch can be ordered for Saturday during registration.

Half-day field trips will be offered on Friday and Sunday. Full-day field trips will be offered on Saturday. A variety of field trips will range from auto tours to short walks and strenuous hikes. Pets are not allowed on any field trips.

### **Schedule**

#### Friday, June 1

Optional half-day field trips, noon—4 pm. Check-in begins at 4 pm at Meadow Lakes Golf Course. Social hour begins at 5 pm (bar open for wine and beer sales; no BYO). Dinner at 6:30 pm. Our speaker will be Sarah Cuddy, Ochoco Mountains coordinator for Oregon Wild. Sarah will orient you to the remarkable Ochoco National Forest, including unique geologic features, interesting natural history, and the genuinely compelling parts of the forest. The Ochoco Mountains are full of character and this presentation will inspire you to get out there and explore it.

### Saturday, June 2

All-day field trips, 8:30 am—4:30 pm. Late check-in and pick up pre-ordered, optional lunches at field trip meeting

location. Social hour begins at 5 pm (bar open for wine and beer sales; no BYO). Dinner at 6:30 pm, followed by announcements and installation of officers and board members. Our speaker will be Terry Holtzapple, retired archaeologist for the Bureau of Land Management and U.S. Forest Service. "The Ochoco Mountains: A Cultural Landscape" will begin with the setting and geology of the Ochoco Mountains and then take a closer look at the past 12,000 years. Terry will review the archaeological records, resources, and early settlement patterns in the uplands. This will lead into tribal uses, ceded lands and traditional cultural plants. The story will shift to exploration, mining, and Anglo settlement and close with the development and history of the Ochoco National Forest.

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### !! IF YOU HAVEN'T RENEWED YET FOR 2018, YOUR MEMBERSHIP WILL LAPSE SOON!!

Look at the label on this *Bulletin* and if "2017" appears along the top edge, this is the LAST *Bulletin* you will receive. If you don't want to miss out on any of this year's *Bulletins*, please send in your dues payment right away!

You can also renew online at npsoregon.org/online.html

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### **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, with the following in the body of the subscribe npso message:

### **General Business Address** and Membership Inquiries

P.O. Box 902 Eugene, OR 97440 Send Membership inquiries Attn: Margaret Conover, Membership Chair

To correspond directly with Officers and Committee Chairs, see the list on the inside of the back page.

### Bulletin of the Native Plant Society of Oregon

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The submission date is the 10th of each month for the following month's issue except for the Aug/ Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to bulletin@NPSOregon.org.

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

### January 2018 State Board Meeting Highlights

by Steven Yeager, State Secretary

The board accepted the 2018 budget. The motion passed with unanimous consent.

The Oregon Flora Project reported that the group is hard at work completing Volume 2 of the Flora of Oregon. Over 90% of the floristic treatments are in hand and authors are assigned. The new Oregon Flora website is expected to launch in the very near future.

Ballots for the 2018 state officer elections need to be submitted by April 10 to be announced in the May Bulletin. The Website Committee provided an update on the new website progress. The general sense is a release date of sometime this summer although no exact date has been set. The 2020 Annual Meeting will be hosted by the Willamette Valley and Filipendula Chapters.

NPSO's EarthShare Oregon liaison requested that chapters submit any upcoming events as EarthShare can provide volunteers and publicity.

The next board meeting will be hosted by the Siskiyou Chapter on April 7. Location: Talent Town Hall in downtown Talent, 206 E. Main.

### **Greater Hells Canyon Council Sues to** Protect Spalding's Catchfly

Spalding's catchfly (Silene spaldingii) is a federally listed threatened species that grows in bunchgrass and sagebrush-steppe habitat. In Oregon, it is found only in Wallowa County. The U.S. Fish & Wildlife Service has created a recovery plan for this species and provided conservation recommendations, which include adjustments to current cattle grazing allotments. Cattle affect Spalding's catchfly by trampling seedlings and breaking taproots, disturbing the habitat of its ground-dwelling pollinators, and spreading invasive plants that can outcompete the catchfly. The U.S. Forest Service reauthorized cattle grazing in the Hells Canyon National Recreation Area without implementing recommendations from the U.S. Fish & Wildlife Service, prompting the Greater Hells Canyon Council (GHCC) to file a lawsuit In January 2018. Veronica Warnock, conservation director of GHCC explains, "This is about the Forest Service ignoring management recommendations on how to protect and recover a threatened species, something it is required to do in Hells Canyon." The above information was compiled from the GHCC website. For more details, visit hellscanyon.org/lira-faq and fws.gov/oregonfwo/Species/Data/ SpaldingsCatchfly.



Spalding's catchfly, Silene spaldingii

### **NPSO CALENDAR**

### **State Notes**

**State Board Meeting** 

### April 7, Saturday, 10 am-2 pm

The next state board meeting will be hosted by the Siskiyou Chapter. Location: Talent Town Hall in downtown Talent, 206 E. Main.

### NPSO Annual Meeting 2018 June 1-3, Friday-Sunday

The next Annual Meeting will be cohosted by the Portland and High Desert Chapters June 1–3, Friday–Sunday, in Prineville.

### **Blue Mountain**

For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact flora.id@wtechlink.us.

### Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at ch\_president@NPSOregon.org.

Meeting and work party location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. The library parking lot may be entered from either Adams or Second street.

### March 22, Thursday, 7 pm

Program: Magical Forests, Flowers, Birds and Frogs. Costa Rica offers natural history enthusiasts a huge variety of unique places to explore. Gail Baker and Clayton Gautier will share photos and stories of their adventures in five different Costa Rican natural reserves: the Monteverde cloud forests, La Selva tropical wet forests, open páramo of the Talamanca Mountains, Los Quetzales National Park, the coastal jungle of Corcovado National Park, and premontane wet forest at Las Cruces, which borders Panama. Location:

McMinnville Public Library, see above for details.

# March 24, April 28, Saturdays, 10-noon

Work Party: Native Plant Garden. Work around the Carnegie Building with a congenial crew to maintain the beauty of this demonstration garden. Bring gloves, bucket, and gardening tools if you have them. Location:

# 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 preregister 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

McMinnville Public Library, see above for details. For more information, contact Catie Anderson at catie.fishback@gmail.com or 503-435-2401.

### **Corvallis**

For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact co\_president@NPSOregon.org.

March 12, Monday, 7:30 pm

Meeting: Soil! What It Is and How It Works. James Cassidy, instructor of Soil Science at OSU, will talk about soil and native plants: It's ALL about soil! You will learn more than you ever thought possible from this lecture. The reason you are alive, what nutrients are, how soil stores water and nutrients. The fundamentals that ALL humans on the planet Earth should know! Location: Room 2087 Cordley Hall, 2701 SW Campus Way, OSU. For information email Judi Sanders at judi. sanders@gmail.com or call Louise at 541-753-0012.

March 17, Saturday, 10 am-1 pm Field Trip: Lichen Walk. Led by Bruce McCune, to two homes in the Corvallis area. We will visit Esther McEvoy's home and Dan Luoma's previous home on Harrison to look at and identify lichens in an urban setting. Location: meet at Esther's home at 3290 SW Willamette Avenue, Corvallis at 10 am. For more information contact Esther at 541-754-0893 or estherco@peak.org.

### **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:** The venue for programs this season is the Amazon Community Center at 2700 Hilyard St. in Eugene. Go to the M.L.I. Room in Building "C."

March 17, Saturday, 6:30 pm Program: A Closer Look at *Camassia*.

Camas (Camassia spp.) is well known and loved in the Willamette Valley as a beautiful spring wildflower, a foundation species of the prairies and oak habitats, and as a traditional food of indigenous people wherever it grows. Instructor Heron Brae of the Columbines School of Botanical Studies will present a slideshow looking at botany, diversity, ecology, and traditional uses of camas. Heron includes personal stories of working with planting, monitoring, harvesting, and cooking this beloved geophyte. Location: Amazon Community Center, 2700 Hilyard St., Eugene, see above for details. For more information call 541-954-5334.

### Filipendula

This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, carlajean-cole@gmail.com.

#### March 14, Wednesday, 9 amnoon

Volunteer: Transplant Native Plants at Reed Ranch. Reed Ranch is a coastal prairie that has been farmed and grazed but never forested. North Coast Land Conservancy is removing Scots broom and other undesirables, and also planting native wildflowers to restore diversity. Join us to help and learn about propagating native species during this late winter transplanting session. Location: meet at Reed Ranch on Hwy 101. For more information contact trip leader Melissa Reich, melissar@nclctrust.org.

### April 24, Tuesday, 9 am

Field Trip: Saddle Mountain State Natural Area. An early hike to see rare species before the main season begins in May. Look for *Erythronium*, *Lloydia* (synonym of *Gagea*), *Dicentra cucullaria*, and other early flowering species. Six mile round trip hike has steep sections; wear stout shoes and bring lunch and water. Location: meet at the trailhead off Hwy 26. Trip Leader: TBA, for more information contact Carla Cole carlajeancole@gmail.com.

### **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.

### Klamath Basin

For information on the Klamath Basin Chapter, visit http://klamathbasinnps.com or contact the chapter president, kb\_president@NPSOregon.org.

### Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at mc\_president@NPSOregon.org.

### **Portland**

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

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church**, 5441 SE Belmont St., Portland. We will meet in **Copeland Commons**; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

#### March 8, Thursday, 7 pm

Program: Exploring the Natural History of Hawaii. Join us for an overview of this island chain's rapid evolution in isolation, which provides a natural lab for evolutionary ecology of flora and fauna. Speaker Dr. Frank Howarth, medical entomologist, while on the staff of the Bishop Museum in Honolulu, researched the native lobelias and tarweeds that adapted to unique environments as well as the fauna of caves and lava tubes. Location: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St, see above for details.

March 16, Friday, 5:30-8 pm Field Trip: Green Infrastructure Bike (or Streetcar) Tour. We will first examine the plants and habitat of Tanner Springs Park. Bring the plant list from friendsoftannersprings.org/ seasonal-blooms. Then we will head to a streetcar stop or our bicycles and regroup at SW 12th & Montgomery on the PSU campus. We'll identify plants and critique the various stormwater facilities on the Green Infrastructure Tour (portlandoregon.gov/bes/ article/439734) and more on the way to 4th Ave. How about the Duck House for dinner afterward? Leader: Mary Vogel. Location: Meet at NW 10th & Marshall, by Tanner Springs Park. Sign up or ask questions on the NPSO Portland Meetup page, meetup.com/ NPSO-Portland.

# March 23, Friday, 8:30 am-4:30 pm

**Field Trip: Catherine Creek.** The premier early flower spot in the Gorge, where we will search for grass widows, yellow bells, prairie stars, toothworts, several desert parsleys, and others. Easy walking route to 3 miles with 800 ft. gain. Catherine Creek is in the Gifford Pinchot NF about 7.2 miles east of Bingen, WA, Klickitat County. Limited to 12 participants. Location: meet at the Catherine Creek trailhead at 10 am or carpool from Gateway Park and Ride, leaving at 8:30 am. Drive is 134 miles round trip. To sign up or for more information contact leader Ron Klump at ronklump55@comcast.net.

March 24, Saturday, 1-4 pm Field Trip: Nob Hill Nature Park in **St Helens.** This will be an easy, low-key stroll through Nob Hill Nature Park (NHNP) to view fawn and chocolate lilies and more in an area currently undergoing restoration. NHNP is a 6.6-acre oak woodland perched on a basalt bluff overlooking the Columbia River. Poison oak is common off well-maintained trails; long pants and long sleeves are suggested. This event is on, rain or shine. Pre-registration not needed. Location: NHNP is 30 miles north of Portland, off Hwy 30 in St Helens. Meet at the city's wastewater

treatment facility across from park at 1 pm. Directions from Portland: take Hwy 30 north, past Scappoose. At the WalMart in St Helens, turn right on Gable Rd. Go toward the river. Bear right on Plymouth St. and keep bearing right until you see the wastewater treatment plant on the right. There is plenty of parking across from the park's main entrance. Information: day of event, call 503-349-8586. For a plant list, call trip leader Caroline Skinner at 503-248-9719.

### April 7, Saturday

Field Trip: Sandy Canyon. Hike into a little-known area we're calling 'Sandy Canyon.' We will begin on the cliffs above the Sandy River, near Oxbow Regional Park. The winding trail will pass wildflowers (penstemons, sedums, paint brush, etc.) on sandstone cliffs, going through woodlands. We'll lunch along the Sandy River in the midst of a now-rare ancient grove of ginormous Douglas fir trees. Round-trip about 4 miles. There are no 'amenities' so bring drinking water, first aid, sanitary paper, plus the usual lunch, camera, etc. Contact leader Ginny Maffitt, maffitt6540@comcast.net, for carpool site and departure time.

#### April 12, Thursday, 7 pm

Program: Fire Ecology in the Columbia Gorge. Jurgen Hess, photojournalist and former USFS employee based in Hood River, will speak on the fire ecology of the Columbia Gorge. He will give current information on the long range effects of the Eagle Creek Fire and recovery of native plant communities with ongoing restoration efforts. Location: TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St, see above for details.

# April 14, Saturday, 8:30 am-4:30 pm

Field Trip: Memaloose Hills. Wildflower hike in the East Gorge, moderate, 5–6 miles, 800 ft. gain. This hike is best done for the first time with someone who knows the trail. It is jampacked with a variety of flower species, including the rare violet suksdorfia and big shows of balsamroot. It boasts a pioneer road, basalt formations, and

lovely views of the Columbia River, Mt. Hood, and Mt. Adams. Located just east of the town of Mosier, this hike was a favorite of Russ Jolley. 140 miles round-trip drive. Co-leaders Beth Magnus and Clarice Johnston. Contact Clarice to sign up and for carpool site: eclaricej@gmail.com.

### 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 2018,
make a suggestion, or provide feedback
regarding the field trip program, please
contact Julie Spelletich at: jspelletich@gmail.
com. Join us on Facebook at: facebook.com/
SiskiyouChapterNativePlantSocietyOfOregon.

March 15, Thursday, 7 pm Talk: Defining Future Desired Conditions—Using Trait-based Ecology to Restore Ecosystems. Historical reference conditions have long been used to guide the restoration of degraded ecosystems but this approach is now being questioned, given a rapidly changing climate. Restoration goals are now becoming focused on creating communities that are resilient to changing climates. Dr. Robert Strahan of Southern Oregon University will provide an overview of this innovative approach, focusing on Southwestern U.S. mixedconifer forests. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Alexis at alexis.brickner@gmail. com or 860-878-2049.

## **Umpqua Valley**

Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-459-2821.

We are planning several spring and early summer field trips. Please join us and learn more about your local chapter. Please call Donna at 541-459-2821

for questions and to confirm your participation. We need to know who to contact if the schedule changes.

March 10, Saturday, 9 am-3 pm Field Trip: Early Spring Wildflowers in Olalla Creek Watershed. Ted Schattenkerk will lead us to Upper Olalla Road south of Tenmile to view the first wildflowers of spring, including: Oregon fetid adder's tongue (Scoliopus hallii), gold star (Crocidium multicaule), baby blue-eyes (Nemophila menziesii var. atomaria), and rosy plectritis (Plectritis congesta). We will make several stops along Olalla Creek. Ride sharing is encouraged. Bring lunch and dress for the weather conditions. Easy walking on this trip. For more information and to sign up, call Donna at 541-459-2821.

March 17, Saturday, 9 am-3 pm Field Trip: Explore Beatty Rock. We will explore along lower Cow Creek Road to examine the California sword fern (Polystichum californicum), spring phacelia (*Phacelia verna*), a rare moss (Pseudoleskeella serpentinensis), and the fairy slipper orchid (Calypso bulbosa). The first stop is 8 miles in, at the mouth of Beatty Creek. There we will amble about on Beatty Rock, a monolithic outcropping of conglomerate. The second stop is another 1.8 miles to the BLM Island Wayside. Anticipate climbing on sloping, mossy (slippery) rock for viewing ferns. Ride sharing is encouraged. Parking is limited. Bring lunch and dress for the weather conditions. For more information and to sign up, call Donna at 541-459-2821.

March 24, Saturday, 9:30 am
Field Trip: North Bank Habitat Management Area. North Bank Habitat
Trail System is a moderate 7.1 mile loop trail near Sutherlin that is accessible year-round. This area was set aside to provide secure habitat for the Columbian white-tailed deer and other special status species. It is a popular spot for enjoying wildflowers or bird watching. We will be looking for Sidalcea cusickii (Cusick's checkermallow), Limnanthes douglasii (Douglas meadowfoam), and unique prairie grasses and graminoids. Easy hikes (with water resistant boots).

15–30 minute drive from Roseburg. For more information and to sign up, call Donna at 541-459-2821.

### April 7, Saturday, 8:30 am

Field Trip: Rogue River Trail. We will be looking for blooming plants along the wild and scenic portion of the Rogue River Trail, downstream from Graves Creek. Bring a sack lunch and plan for a moderate 1 to 2 mile hike. This is an all day field trip. For more information and to sign up, call Donna at 541-459-2821.

### Willamette Valley

For program information, contact John Savage at 503-779-5414.

### William Cusick

Visit our Web site at http://williamcusick. npsoregon.org or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.

### **OTHER EVENTS**

### Tillamook County Pioneer Museum

March 10-April 15, Tuesdays-Sundays, 10 am-4 pm

**Exhibit: Oregon's Botanical** Landscape: An Opportunity to Imagine Oregon Before 1800. Frances Stilwell is a botanist and artist from Corvallis. She has been working on this project for more than 30 years. She traveled extensively throughout Oregon and Washington, painting and drawing the flora of the area. This exhibit of pastels, watercolors, and oils gives the viewer a chance to imagine what Oregon might have looked like before the arrival of Lewis and Clark in 1804. On March 10 at 1 pm, Ginny Maffit will present a program, "Native Plants and Their Uses," followed by an artist reception with Frances Stilwell. Free and open to the public. Location: 2106 Second Street, Tillamook. For more information, call 503-842-4553 or visit tcpm.org.

### **Mount Pisgah** Arboretum

April 14-15, Saturday-Sunday, 10 am-3 pm

Workshop: Botany ID. In this twoday workshop, botanist Tobias Policha will help participants improve their identification skills and knowledge of our local flora. Topics include plant anatomy, family characteristics, and using a botanical key to aid in identification, with the focus on flowering plants. This is a hands-on class, so be prepared to go outside. Recommended text for class: Gilkey and Dennis' Handbook of Northwestern Plants (2001 edition). \$60 nonmembers. \$50 members. \$7 materials fee (paid to instructor). All materials included. Please bring a hand lens if you have one. Pre-registration required. To register, call 541-747-3817. Location: Mount Pisgah Arboretum, 34901 Frank Parrish Rd, Eugene.

### Glide Wildflower Show April 28-29

This year, the Glide Wildflower Show will feature two guest speakers sharing their knowledge of rare plants of the North Umpqua region. This will be a great opportunity to learn from experts about some unusual species.

Richard Helliwell, forest service botanist, will speak about "Rare and Unusual Plants of the Umpqua National Forest." This presentation will be on Saturday, April 28 at 1:30 pm.

Immediately following at 3:00 pm, Dr. Dan Luoma of OSU will speak about "Oregon's Rare, Beautiful, and Unique Shrub Kalmiopsis."

The Glide Wildflower Show will close out Native Plant Appreciation Week on April 28-29. The largest showcase

of native flora in the Pacific Northwest, it will bring together over 600 species of wildflowers, shrubs, trees, mosses, lichens and ferns, all artfully displayed and labeled.

Look for more details about these talks in the April Bulletin, but mark your calendar now. Make plans for a day or a full weekend. Visit the show, then continue up Highway 138, the Rogue-Umpqua National Scenic Byway, to see abundant wildflowers in their natural environment, dramatic waterfalls, and the spectacular wild and scenic North Umpqua River.

For details, visit glidewildflowershow. org.



Kalmiopsis fragrans graces the 2018 Glide

Wildflower Show poster.

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Annual Meeting, cont'd

#### Sunday, June 3

Optional half-day field trips, 9 am-2 pm. The NPSO State Board meeting at Meadow Lakes Golf Course will be open to all members. Botanical explorations on your own are encouraged. See the annual meeting website for destinations, directions, and plant lists.

### Field Trip Options for NPSO Annual Meeting 2018

Bring plenty of water, lunch, sturdy shoes or boots for rough ground, sunglasses, sunscreen, sunhat, and be prepared for any type of weather. Ticks and, rarely, rattlesnakes could be encountered on most hikes so long pants are recommended.

See 2018.npsoregon.org for full trip descriptions, photos, maps, and plant lists. The website also has a comparison table of all the field trips and suggestions for self-guided trips on your own. Field trips may be changed if necessary

due to unforeseen weather or access conditions.

All field trips will meet in the parking lots in front of the Bureau of Land Management, Prineville District Office and Ochoco National Forest headquarters, 3050 and 3160 NE 3rd Street, Prineville, OR 97754. Carpooling is strongly encouraged; we recommend a rider donation of 10¢ per mile per person.

### Friday, June 1

All field trips depart at noon.

#### 1. Baneberry Trail

Easy. This 1.25-mile loop with 200' elevation gain has a number of interpretive signs and benches along the way. The start of the trail is lined with masses of broadleaf lupine and white false hellebore until it enters the forest. The trail goes through a beautifully forested area of California white fir that includes a stream drainage featuring moisture-loving species such as Columbia monkshood and common monkeyflower. The trail also passes lots of its

> namesake baneberry. If time allows, we will also walk around the Independent Mine site which still has miners' cabins and a former cinnabar mine. Suitable for most vehicles except low-slung cars. Drive 60 miles round trip. Leader: Susan Saul.

### 2. Chimney Rock Trail

Moderate. This short but scenic out and back trail on BLM lands above the Lower Crooked Wild and Scenic River is 2.7 miles round trip with 550' elevation gain. We will follow a wellmaintained trail to the canyon rim and amazing views. Native plant communities

include talus slope and lithosol. We will reserve time at the end to explore the riparian zone in the Chimney Rock campground. Expect sand lily, showy towsendia, stiff and threadstalk milkvetches, upland larkspur, threadleaf fleabane, Gairdner's and lowly penstemons, desert yellow daisy, cushion fleabane, and western thelypody. Passenger car suitable. Drive 32 miles round trip. Leader: Marilynne Keyser, Friends and Neighbors of Deschutes Canyon Area.

#### 3. Gray Butte Trail

Moderate. Located on the Crooked River National Grassland, the trail climbs around the west side of Gray Butte through increasingly open sagebrush meadows with flowers and views of the Cascades peaks to Creson Viewpoint, a rocky trailside outcrop. Expect sagebrush steppe and grasslands species including several buckwheats, bitterroot, elkhorns, clarkia, Peck's paintbrush, balsamroot, and several penstemons. This hike is 3.9 miles round trip with 800' elevation gain. High clearance vehicles recommended. Drive 40 miles round trip. Leader: Jennifer Carson, botanist for Ochoco National Forest and Crooked River Grasslands.

### 4. Big Summit Prairie

Easy. This high mountain wet meadow occupies several thousand acres in the heart of the Ochoco Mountains. The prairie is largely privately owned, but most of the perimeter is on national forest. This auto tour will visit a mix of wet meadows and upland scablands from the roadside at several points along Forest Road 42. Short, easy walks over fairly flat but rocky ground will get you close to the plants. Species to expect include small camas, Cusick's paintbrush, dark-throat shooting star, slender-fruited desert parsley, Rydberg's penstemon, large-flowered swamp buttercup, Tolmie's onion, twin arnica, pale Wallowa paintbrush, prairie smoke, Gairdner's penstemon, and blue dicks. Bring binoculars for wildlife viewing; sandhill cranes, elk, and pronghorn frequently are visible. Passenger car suitable. Drive 80 miles round trip. Leader: Jill Welborn,

continued on page 8



Three-leaf Lewisia

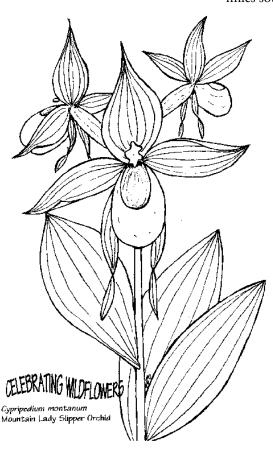
March 2018

Field Trips, cont'd

botanist for Ochoco National Forest.

#### 5. Coffer (Bella) Ranch

Difficult. Join the Deschutes Land Trust for a wildflower hike around Coffer Ranch, a conserved private ranch outside of Prineville. We'll hike along Mill Creek and enjoy scenic views of unique rock formations while learning more about the springs and wetlands the ranch protects. Then we'll head up into the hills to search for a myriad of native wildflowers including native grasses, phlox, prairie star, balsamroot, and bitterroot. This strenuous hike (due to some cross country hiking over irregular ground and slopes) follows old roads although there may a couple sections of steeper cross country hiking, up to 4.5 miles with 300' elevation gain. Passenger car suitable. Drive 30 miles round trip. Leader: Carol Moorehead.



Mountain lady slipper

#### 6. Ponderosa Loop Trail

Easy. Located on the Ochoco Divide at the Bandit Springs Rest Area on US Highway 26, this 2-mile loop trail with about 100' elevation gain is suitable for most hikers. The trail goes along a ridge through open, upland coniferous forest and dry meadows. We may leave the trail to visit a fenced wet meadow for additional flower species. Expect Tolmie's onion, Wyoming paintbrush, mountain lady slipper, upland larkspur, valley cinquefoil, Montana sticky cinquefoil, Rydberg's geranium, Lanszwert's peavine, whiskerbrush, Rydberg's penstemon, and long-spurred bog orchid. Passenger car suitable. Drive 60 miles round trip. Leader: Paul Slichter.

### Saturday, June 2

All field trips depart at 8:30 am.

### 1. Maury Mountains

Easy. All-day car botanizing trip through the Maury Mountains, a few miles southeast of the tiny town of

Post, the geographical center of Oregon. We'll make several stops along the gravel road that traverses the forest at 5,000' elevation, with short walks for viewing plants in forest, meadow, and wetland habitats. Helianthella uniflora, Wyethia, and Triteleia should be abundant. Passenger car suitable. Drive 100 miles roundtrip. Leaders: Jan and Dave Dobak.

# 2. Juniper Hills Preserve

Moderate. This nearly 14,000-acre former ranch located between the Ochoco and Maury mountains is now owned by The Nature Conservancy (TNC). We will meet Brooke Gray, the preserve manager, and discuss TNC goals and current preserve

management. We will hike approximately 3 miles in flat to slight rolling terrain exploring juniper sagebrush and riparian habitats, stopping to identify all the spring wildflowers and grasses. Numerous native grasses and wildflowers are found in the 65 distinct plant communities within the preserve. Passenger car accessible. Drive 75 miles round trip. Leader: Berta Youtie.

#### 3. Line Butte Trail

Moderate. This out and back hike provides gentler access to Lookout Mountain. We'll learn the history of this part of the forest and follow an old road with gentle grade, long ago converted to trail. The first several miles of trail pass through a park-like forest of big ponderosa pines filled with numerous spring wildflowers. The trail then ascends through fir forest to open sagebrush slopes. We will hike 5–6 miles round trip with 800'-1,000' elevation gain. Expect arrowleaf balsamroot, Eaton's shaggy fleabane, spotted fritillary, Rydberg's geranium, three-leaf Lewisia, mountain balm, Brown's peony, and daggerpods. High clearance vehicles recommended. Bring binoculars and watch for pronghorn, elk, mule deer, and sandhill cranes during the drive. Drive 100 miles round trip. Leader: Sarah Cuddy.

#### 4. Big Summit Prairie Scablands

Easy. This high mountain wet meadow occupies several thousand acres in the heart of the Ochoco Mountains. The prairie is largely privately owned, but most of the perimeter is on national forest. This field trip will be a driving tour with several stops and short hikes on sloping, rocky terrain called scablands. They host distinctive plant communities and rare plant species adapted to the harsh environmental and soil conditions; these plant communities exhibit a riot of color and botanical richness in the spring. The geology, ecology, flora, and conservation of Ochoco scablands will be discussed, as will NPSO's High Desert Chapter citizen science monitoring project, Adopt-A-Scabland. Bring binoculars for wildlife viewing; sandhill cranes, elk, and pronghorn frequently are visible on the continued on page 9

Field Trips, cont'd

prairie. Passenger car suitable. Drive 80 miles round trip. Leader: Jill Welborn, botanist for Ochoco National Forest.

#### 5. Whychus Canyon Preserve

Difficult. Join us for an early wildflower hike at scenic Whychus Canyon Preserve. Scan the canyon for colorful native blooms like balsamroot and pale blue flax, and watch for songbirds and signs of wildlife. Explore boulder outcroppings and take in panoramic views of mountain peaks and dramatic canyons. This 4-6 mile hike on a rocky trail crosses steep side slopes with 300' elevation gain. Bring plenty of water, hiking pants and sturdy hiking shoes. Dress for the weather. Passenger car suitable. Drive 90 miles round trip. Leader: David Miller, Deschutes Land Trust.

#### 6. Twin Pillars Trail North

Moderate to Difficult. Hike into the northern edge of the Mill Creek Wilderness to view moist wildflower meadows at Bingham Prairie and then continue through forests partly burned by a 2000 fire to an overlook of Twin Pillars, which are 200' tall rhyolite intrusions into a 40 million year old volcanic caldera. If time permits, we'll hike down to view the unique flora on the pillars themselves. We will hike 6 miles round trip with 600' elevation gain (mostly on the return). Passenger car suitable except for low slung cars. Drive 50 miles round trip. Leader: Roger Brewer.

#### 7. Lookout Mountain Trail

Difficult. Lookout Mountain is the most well-known geologic feature in the western Ochoco Mountains as its flat top is visible for up to 50 miles in all directions. We'll visit examples of the coniferous forest, riparian springs, rocky rim, and scabland habitats. We will hike the steep Mother Lode Trail up to the summit with some off trail hiking to visit rock gardens and scablands. Depending upon the speed of the group and trail conditions, we may return via the Independent Mine Trail. Hike 4–7 miles with 1,220' elevation gain. High point: 6,930'. Passenger

car suitable except for low slung cars. Drive 60 miles round trip. Leader: Susan Saul.

# 8. Badlands Wilderness, Millican Valley, and Dry Canyon

Easy. South of Prineville we will explore the dramatic high desert and sagebrush steppe of central Oregon. Oregon's newest wilderness is quite accessible and contains possibly the best ancient juniper forest in Oregon. Wildflowers can be spectacular in early June and the geology of nearby Millican Valley and Newberry Volcano add a fascinating sidelight. We will make several stops with short hikes in sandy soils, covering under 4 miles with at most 100' elevation gain. Passenger car suitable. Drive 100 miles round trip. Leader: Stu Garrett.

# 9. Alder Springs Trail and Squaw Flats

Moderate to Difficult. We will hike the Alder Springs Trail down to moist meadows at Alder Springs and downstream to where Whychus Creek joins the Deschutes River. We will then

drive several miles west to drier sites near Squaw Flats. Note: A crossing of shallow Whychus Creek will be dependent upon water level (bring light water shoes or sandals). Moderately difficult 6 mile hike with 950' elevation gain upon the return. High clearance vehicles recommended. Drive 90 miles round trip. Leader: Jennifer Ferriel, botanist for Ochoco National Forest and Crooked River Grassland.

#### 10. Steins Pillar Trail

Moderate. We will hike 4.1 miles round trip with 900' elevation gain (high point in the middle) passing through rock outcrops, open balds, and forested slopes before descending to the base of the 350' high Steins Pillar. If time allows, we'll drive

to the nearby Brennan Palisades and make roadside stops in search of other area wildflowers. Passenger car suitable except for low slung cars. Drive 36–45 miles round trip. Leader: Paul Slichter.

### Sunday, June 3

All field trips depart at 9 am.

#### 1. Crooked River Ranch Native Plant Interpretive Garden and Steelhead Falls Trail

Moderate to Difficult. We will spend 45 minutes at the Crooked River Ranch Native Plant Interpretive Garden, the largest native plant garden in Central Oregon, hosting 40 species of native plants common to the sagebrush steppe in the Middle Deschutes Canyon area. We will caravan across Crooked River Ranch to the Steelhead Falls trailhead in the Deschutes Canyon-Steelhead Falls Wilderness Study Area. This 3-mile loop hike, with 700' gain on the return, will begin with a steep ascent to the canyon rim. We

continued on page 10



Whiskers, or Red Avens

Prairie smoke

KARL URBA

Field Trips, cont'd will hike north along the rim, viewing the falls from above, continuing back down to the river. We will focus on the talus slope, lithosol, and riparian native plant communities. Passenger car suitable. Drive 100 miles round trip. Leader: Marilynne Keyser, Friends and Neighbors of the Deschutes Canyon Area.

#### 2. Ponderosa Loop Trail

Easy. Located on the Ochoco Divide at the Bandit Springs Rest Area on US Highway 26, this 2-mile loop trail with about 100' elevation gain is suitable for most hikers. The trail goes along a ridge through open, upland coniferous forest and dry meadows. We may leave the trail to visit a fenced wet meadow for additional flower species. Expect Tolmie's onion, Wyoming paintbrush, mountain lady slipper, upland larkspur, valley cinquefoil, Montana sticky cinquefoil, Rydberg's geranium, Lanszwert's peavine, whiskerbrush, Rydberg's penstemon, and long-spurred bog orchid. Passenger car suitable. Drive 60 miles round trip. Leader: Roger Brewer.



Central Oregon landscape

#### 3. Juniper Hills Preserve

Moderate. The Nature Conservancy's Juniper Hills Preserve has a diversity of ecosystems including riparian areas along the Crooked River and the entire drainage of Lost Creek. Sagebrush steppe, juniper woodlands, and ponderosa pine forests make up the rest of the 14,000-acre holding. The wildflowers can be spectacular in June. Anyone interested in geology will be fascinated by the unusual and colorful John Day and Clarno Formations on the Preserve. We will do three short hikes for less than 3 miles total, walking mostly on flat terrain. Passenger car suitable. Drive 75 miles round trip. Leader: Stu Garrett.

#### 4. Big Summit Prairie

Easy. This high mountain wet meadow occupies several thousand acres in the heart of the Ochoco Mountains. The prairie is largely privately owned, but most of the perimeter is on national forest. We'll visit scabland and riparian meadow sites along the north and east sides of Big Summit Prairie, including Indian Creek and several sites near the old Cold Springs Guard Station, then loop back along the south side of Big Summit Prairie. We will make several roadside stops with short walks and little elevation gain. Bring binoculars for wildlife viewing; sandhill cranes, elk, and pronghorn frequently are visible. Passenger car suitable. Drive 90 miles round trip. Leader: Paul Slichter.

### NPSO Seeks Candidates

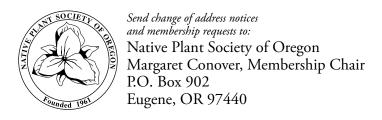
Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email (daniel. luoma@oregonstate.edu) for more information.

# 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 Native Plant Appreciation Week, which takes place April 22-28, 2018. 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 let the NPAW Committee know about them as well. Email any information to Judi Sanders at judi.sanders@gmail.com.

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Please make checks for dues and contributions payable to:		Friends of the Oregon Flora Project \$	
NATIVE PLANT SOCIETY OF OREGON		Membership in the Native Plant Society of Oregon is open to all.	
Send completed form and full remittance to:			
Native Plant Society of Oregon Margaret Conover, Membership Chair P.O. Box 902 Eugene, OR 97440		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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# Friends of the Oregon Flora Project

Exciting changes are coming to the Oregon Flora Project in the coming weeks!

Our web address, http://oregonflora.org, will soon feature our redesigned website. We are adopting the Symbiota platform, software designed for sharing natural history collections data. Users will find our mapping tools and photo gallery with powerful new options. There are also several new features: a searchable section about native plants used in gardening, an interactive key to the entire flora, and profile pages for every taxon.

The release of our new website also includes the launch of our new identity: "OregonFlora." This simple change that removes "Project" from our name reflects how our program is growing. As we complete the historic task of writing a new flora for the state, we are now applying the information in ways that impact diverse audiences—gardeners, farmers, educators, and more.

We appreciate your support of the Oregon Flora Project, and constantly strive to make it a resource that informs and involves you. Contributions can be mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd Ste 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.