



Bulletin

of the

Native Plant Society of Oregon

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

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MARCH 2003

Hibernating Caterpillars Stay Close to Their Host Plant, Waiting For Spring

by Bill Neill

Caterpillars are big eaters. They're also very fussy eaters. A caterpillar will accept as food only a few related plants, often only one species. That plant is referred to as the caterpillar's host plant. Different species of caterpillars have different host plants.

It's plain to see that it's important that a caterpillar begins its life positioned close to its host plant, that it knows how to recognize its host plant, and that it is careful not to stray far away from it. A female butterfly, the caterpillar's mother, has the skill of a botanist in locating and identifying her particular host plant. The survival of her offspring depends upon her attaching her eggs to the right plant.

In our climate, butterflies at some stage of their life cycle must face a long, inhospitable winter. Some species hibernate as eggs, others as caterpillars, pupae or adults. Pupae and adults have their foraging days behind them and no longer have to consider access to host plant when hibernating. Eggs and caterpillars, on the other hand, will need to be close to a source of their food when spring comes. Half-grown caterpillars are small animals whose stored resources will have been exhausted during their winter fast, and they are not equipped for traveling long distances. It would not do for eggs or caterpillars to be blown or washed away from their food by winter storms.

Let's have a look at how some of our local butterflies interact with their

host plants in order to navigate successfully through the winter months.

The Pine White butterfly's host plant is ponderosa pine (*Pinus ponderosa*). In September females attach their eggs directly on new growth needles where the eggs remain undeveloped until the weather warms in the spring. Then caterpillars hatch and have a ready supply of pine needles for food. The Golden Hairstreak uses chinquapin (*Chrysolepis chrysophylla*), another evergreen, as a host plant. The female butterflies attach their eggs to the underside of chinquapin leaves at the time that its yellow flowers are blooming and the summer is mostly spent. The leaves and eggs remain on the shrubby plant until caterpillars hatch in the spring. If you're snowshoeing or cross country skiing along route 26 between Frog Lake and the route 216 junction, pause to see if you can find an egg on the chinquapin that grows there in open spaces. The eggs resemble little white pearls and usually are on the underside of leaves near the edge.

The host plant of the Mariposa Copper butterfly, blueberry (*Vaccinium* sp.), loses its leaves in the winter. In autumn the female butterflies stick their eggs not on the leaves, which soon will fall to the ground, but on the red stems, where they can remain fixed to the plant through the winter and will be adjacent to new leaves when the newborn caterpillars need them in the

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Has Your Membership Expired?

If there is a "02" at the top of your address label, this is the last *Bulletin* you will receive ... until you send your membership renewal for 2003.

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Native Plant Society of Oregon

World Wide Web

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Eugene, OR 97440

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

Membership Inquiries Only

Jan Dobak

2921 NE 25th Avenue

Portland, OR 97212-3460

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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.

Highlights of the State Board Meeting

by Kelli Van Norman, Secretary

The quarterly NPSO State Board of Director's meeting was held January 11 at Lane Community College in Eugene. Thanks to the Emerald Chapter for hosting the State Board. The next Board meeting is set for April 5th in Corvallis. All Board members, committee members, and chapter presidents please mark your calendars and plan to attend as we will be focusing on strategic planning for the organization.

The NPSO 2003 budget proposal was reviewed and approved by the Board with modifications. For several years we have been spending down our surplus budget on grants to the Oregon Flora Project and scholarships. We are now at our goal of a balanced budget with an emergency reserve. Also, we expect a decrease in funds from Earth-Share of Oregon in 2003. The result is that the 2003 NPSO State Board budget is tight, but well-planned. Thanks to the Budget Committee for their hard work.

Stu Garrett from the Bend Chapter has resigned from the three-member *Kalmiopsis* Editorial Board after many years of service. He is replaced by former *Kalmiopsis* co-editor, Linda Voro-bik. Cindy Roché is now the sole *Kalmiopsis* editor. Marketing efforts for the 2002 *Kalmiopsis* are underway with volume 9 available by mail order on our NPSO web site and from several bookstores around the state. If you know of a possible sales venue, please contact Cindy Roché.

Dick Brainerd and Tom Kaye, representing NPSO's revived Rare & Endangered Species Committee, are drafting a plan that will target truly endangered taxa and will require volunteer assistance from Chapter members for monitoring and review. The Emerald Chapter has an active R&E Committee that will provide assistance to help other Chapters establish their own R&E Committees. Look for more information about this subject in a forthcoming *Bulletin*. Michael Hartman, the NPSO webmaster, will create a Rare & Endangered page for the

NPSO web site where the committee's goals and strategy will be posted.

The nomination letters for NPSO Fellows were read. It was moved and unanimously approved to give the 2003 Fellows Award to Russ Jolley and Charlene Holzwarth, both of the Portland Chapter, for their untiring work on behalf of native plants.

Among reports by Chapter presidents, there were several NPSO Chapters who said they are having difficulty filling their officer positions. The need is for newer members to step forward and take leadership roles in the organization. Some good news is that Bend Chapter has a new president, Reid Schuller, who reported that they plan to partner with the local Audubon Society chapter and the Deschutes Basin Land Trust for four upcoming field trips. Ashland Chapter also has a new president, Chris Van Schaack, who reported on the many activities by a number of their members including participation in local conservation issues such as commenting on the Draft Recovery Plan for *Fritillaria gentneri*, commenting on the Biscuit Fire rehabilitation efforts, and involvement in the newly-formed Siskiyou Forest Partnership. Mid-Columbia Chapter president, Jerry Igo, reported a resurgence in monthly meeting attendance recently. Skip Haak, president of Portland Chapter, says that everything is set up for a great annual meeting in John Day this June.

New Membership Directory in 2003

The 2003 edition of the NPSO Membership Directory will be published in April. If you wish to receive a copy, add Two Dollars to your renewal payment. If you wish to have your address or telephone number or both withheld from publication in the Directory, please make a prominent note on your renewal form.

State

April 5, Saturday, 9:00 am

State Board Meeting combined with Strategic Planning Session.

The next State Board Meeting will take place 9:00 am–3:00 pm, Richardson Room #115, OSU in Corvallis, (note early start). A relatively short board meeting will be followed by the strategic planning session with moderator where we will discuss specific long range plans and goals for The Native Plant Society of Oregon. We hope as many board members as possible will make every effort to attend this important meeting.

Parking is available to the west of 30th street in the School of Forestry parking area. This is marked with a “P” on the map below. Access the parking area off the southbound side of 30th or off Washington Way. A full OSU campus map can be found at <http://oregonstate.edu/visitors/tour/campusmap.htm>

From the parking lot, enter the west door of Richardson Hall (located at the “R” in Richardson on the map below). This door is locked, but someone will be there to let you in until the meeting starts. If you are late, first try the north entrance to Richardson, or failing there, the north and east doors to Peavy Hall courtyard are open. Those doors are accessed off Jefferson Way or 30th St., respectively. You then need to navigate to the southwest corner of Peavy where it connects to the lobby of Richardson. “NPSO” signs will be posted to assist you.

It is recommended that you bring your lunch, though food is available nearby in West Dining Hall.

June 20–22, Friday to Sunday

Annual Meeting: The Portland Chapter will host this year’s meeting in John Day. Registration and field trip and lodging information is included as an insert in this issue of the *Bulletin*.

Blue Mountain

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

Cheahmill

March 20, Thursday, 7:00 pm

Please note: this meeting is scheduled for the 3rd thursday to avoid spring break.

Meeting: History and Personalities.

Bonnie Hall, a plant enthusiast, botanical illustrator and member of the Corvallis Chapter NPSO, will give a slide presentation covering some of the

history and prominent personalities involved in the art of botanical illustration. Bonnie’s discussion will focus on print makers. Carnegie Room, McMinnville Library, 225 N. Adams St., McMinnville. For more info contact Susan Williams at 503-538-1865 or helgesusan@attbi.com.

April 13, Sunday, 8:00 am

Field Trip: Mid-Columbia Chapter’s Wildflower Show and Tom McCall

Preserve. Join us for our annual trip to view the mid-Columbia Chapter’s wildflower show followed by a moderate hike at The Nature Conservancy’s Tom McCall Preserve at Rowena Dell in the Columbia Gorge. See many beautiful Gorge endemics, vernal pools and spectacular views. Meet at the Linfield Ave. entrance to Murdock Hall at Linfield College. For information or to pre-register call Karen Sturgeon at 503-472-0866.

Corvallis

March 10, Monday, 7:30 pm

Meeting: Native Plants on a Century Farm. Ellie Larsen, Conservation Assistant with the Greenbelt Land Trust, will give a slide presentation of Owens Farm, a 310-acre property, just north of Good Samaritan Hospital on Highway 99. The GLT, a non-profit organization committed to preserving open space around Corvallis, purchased a portion of Owens Farm for open space and wetland restoration. A discussion about field trip opportunities will follow. Avery House, Avery Park, Corvallis. For more information please call Esther McEvoy at 541-754-0893.

Emerald

March 29, Saturday, 8:30 am

Field Trip: Lichen Identification Walk to Haceta Lighthouse. Rob Weiss will lead a 3-mile walk from Washburne Park to the lighthouse and

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. For a sample copy check out the NPSO website. Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Bring water and lunch. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. National Forests require a Northwest Forest Pass for many 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.

back. Rob will provide a list of more than 30 lichen species including the rare *Niebla cephalota*. Bring handlens, raingear, lunch, etc. Meet at the South Eugene High School at 8:30 am or at the roadside trailhead pullout one mile north of Heceta Lighthouse Park and one mile south of Washburne State Park Campground/day use entrance at 10:00 am. For more information call Rob Weiss at 541-563-3947 or Dave Predeek at 541-345-5531.

March 31, Monday, 7:30 pm

Meeting: Plants and Primates—Dynamic Mutualisms in African Rainforests. Since 1991, Joanna E. Lambert, UO Assistant Professor of Biological Anthropology, has researched the ecology of primate-plant interactions and conservation biology in Kibale National Park, a medium-altitude rainforest in Western Uganda. Joanna has learned that the resident primates consume a great diversity and density of fruit. She'll discuss with us her findings on the fruit feeding and seed dispersal of monkeys and apes and the impact of this frugivory on forest regeneration. Room 115, Science, Lane Community College, 4000 E. 30th Ave.

April 23, Wednesday, 9:00 am

Field Trip: Tour of Big Island in the McKenzie River. McKenzie River Trust recently acquired a 100-acre island to protect an outstanding example of pristine floodplain habitat. Ryland Moore of MRT will lead the field tour. The hike is moderately difficult and some wading and climbing over rocks and logs may be involved. Meet at 9:00 am at Amazon Community Center to carpool or 9:15 am at Albertson's near 58th and Main in Springfield. RSVP. Call Dave Predeek at 541-345-5531.

High Desert

March 25, Tuesday, 7:30 pm

Meeting: Native Plant Protection and Restoration on Deschutes Basin Land Trust Properties. Karen Allen, Land Steward for the Deschutes Basin Land Trust, will explore projects

designed to protect and restore native plant communities on Land Trust properties. We'll discuss projects designed to restore fish and wildlife habitat and the natural hydrology of Squaw Creek; managing for sensitive as well as invasive species; and the processes and challenges involved in managing native plant communities on nature preserves and conservation easements. Central Oregon Environmental Center, 16 NW Kansas, Bend.

April 22, Tuesday, 7:30 pm

Meeting: The Special Status Plant Program and Species of the Prineville BLM District. Ron Halvorson, Botanist for the Bureau of Land Management, Prineville District, will highlight the district's special status plant program, with a focus on species known to occur on BLM land. These will be discussed in depth, including their abundance, distribution, ecology and BLM's management concerns and strategies. Plenty of time will be allowed for audience interaction. Central Oregon Environmental Center, 16 NW Kansas, Bend.

Klamath Basin

For information on the Klamath Basin Chapter, contact Sarah Malaby, 541-884-5703, smalaby@cs.com; or Mike Cutler, 541-850-9012, cutler@cvc.net.

Mid-Columbia

March 5, Wednesday, 7:30 pm

Meeting: Australian Outback. Reid Schuller, president of the High Desert Chapter NPSO will be our speaker. Columbia Gorge Discovery Center. Exit 82 off I-84 in The Dalles and follow the signs.

April 2, Wednesday, 7:30 pm

Meeting: How to Put on a Plant Show. Several local NPSO veterans of many native plant shows will present a workshop on collecting, preparing, labeling and displaying specimens in order to maximize the educational and aesthetic aspects of a plant show. Co-

lumbia Gorge Discovery Center. Exit 82 off I-84 in The Dalles and follow the signs.

April 13-27, 10:00 am – 4:00 pm

Event: Annual Wildflower Show at Mosier School. Expect to see over 300 species with names displayed. Everyone is welcome! Exit 69 (Mosier) off I-84. The school is the first large building on the right, parking is behind (south of) the school building.

North Coast

For information on the North Coast Chapter, contact John Gerke at 503-842-5366 or johnroyal@juno.com or Janet Stahl at 503-842-8708 or jjs@oregoncoast.com.

Portland

March 1, Saturday, 8:30 am

Field Trip: Catherine Creek. The premiere early flower spot in the Gorge, with *Olsynium douglasii* in profusion, *Fritillaria pudica*, *Lithophragma glabra*, several Lomatiums, and many others. Leave at 8:30 am, Gateway/NE 99th Ave Park and Ride, southeast corner of parking lot. Second meeting place at 9:45 am at Bingen Winery parking lot on SR-14. 120 miles round-trip drive: easy walking 3 to 4 miles, with 500 ft. elevation gain. Call Jan and Dave Dobak at 503-248-9242 for more info.

March 2, Sunday, 6:00 am

Photography Field Trip: Catherine Creek. This is the first in a series of field trips for those serious (in a light-hearted way) about photography. We'll meet at the parking lot at Catherine Creek just before dawn, giving us time to find our way out into the grass widow fields by first light. Hopefully, we'll have a few hours of good light and little wind, and discover we've timed our visit to coincide with the peak of grass widow bloom. For further details and sign-up, contact Michael McKeag, mmckeag@attbi.com.

March 9, Sunday, 8:30 am

Field Trip: Chenowith Table. See this lovely new Forest Service acquisition above The Dalles, with biscuit-swale formations similar to the Tom McCall Preserve and *Olsynium douglasii*, several *Lomatiums*, *Fritillaria pudica*, and more. Leave at 8:30 am, Gateway/NE 99th Ave. Park and Ride, southeast corner of parking lot. Second meeting place at 10:00 am at the Discovery Center parking lot, exit 82 off I-84 and follow signs. We'll do a short tour of the Native Plant restoration project at the Discovery Center before going to Chenowith Table. For more info contact Barbara Robinson, 541-296-5334

March 11, Tuesday, 7:00 pm

Meeting: PSU Herbarium. Dr. Carol Wilson, the curator/director of the herbarium at Portland State University, will be presenting information to our chapter on the herbarium. Fireside Room (#355) of the First United Methodist Church located at 1838 SW Jefferson St. in Portland. For more information contact Dee White, 503-775-2909.

March 15, Saturday, 8:30 am

Field Trip: Three Bench Loop. Paul Slichter will lead us on this lovely route in the East Gorge that Russ Jolley pioneered. See *Lomatium columbianum*, *L. grayi*, *Crocidium*, *Plagiobothrys*, and much else. Steep climb at start (200 ft) for some great views. Leave 8:30am, Gateway/NE 99th Ave. Park and Ride, southeast corner of parking lot. Trailhead located on S.R. 14 at milepost 79, at the east end of Doug's Beach parking area, 10:00 am. For more information call Paul at 503-661-3292.

March 22, Saturday, 8:30 am

Field Trip: McCord Creek. This beautiful hike in the West Gorge ascends on a good trail about 500 feet to a beautiful bowl with waterfalls and hanging gardens on the cliffs next to the trail. See *Synthyris stellata*, *Saxifrage occidentalis*, and much else. Leave 8:30am from Gateway/NE 99th Ave. Park and Ride, southeast corner of parking lot. For more info contact Jan and Dave Dobak, 503-248-9242.

March 30, Sunday, 8:30 am

Field Trip: East Catherine Creek and Memaloose State Park. The Poet's Shooting Stars (*Dodecatheon poeticum*) and much else should be at peak on the east side of Catherine Creek. We'll stop for lunch at the Wildflower Café in Mosier and then see if we can find *Meconella oregana*, a tiny rare poppy, at Memaloose Park, between I-84 and Hwy. 30. We'll also see *Lomatium columbianum* and *L. grayi* at peak. Leave at 8:30 am from Gateway/NE 99th Ave. Park and Ride, southeast corner of parking lot. Second meeting place, 10:00 am at Catherine Creek Parking lot, 2 miles east on the Old Highway, off SR-14 east of Bingen. For more information contact Barbara Robinson, 541-296-5334.

Siskiyou

March 20, Thursday, 7:30 pm

Meeting: Program to be announced. Room 171 of the SOU Science Building, Ashland. For more information call Shannon Clery at 541-201-0909.

April 5, Saturday, 10:30 am

Field Trip: Limpy Creek Botanical Trail. Meet at 10:00 am in the US Forest Service Bldg., 200 NE Greenfield Rd in Grants Pass just north of Exit 58 on I-5 for carpooling; alternate meeting place: Limpy Creek at 10:30 am (limited parking) Leader: Linda Mullens, 541-479-3243. We will visit both wet and dry serpentine habitats and a riparian area in this botanical hotspot. This is a family-oriented trip with a children's focus. Easy 1-mile hike.

April 12, Saturday, 9:00 am

Field Trip: Star Flat. Meet at the south side of the Selma Market parking lot in Selma. Leader: Don Heinze 541-955-7247. A myriad of rare or once considered rare plants, such as California Lady's Slipper, California pitcher-plant, large-flowered rush lily, Waldo rockcress and Siskiyou Mountains pennycress, along with other not rare, but nevertheless beautiful lilies and orchids in an intriguing serpentine fen. Easy 2-3 mile hike.

April 12, Saturday, 10:00 am

Field Trip: Lower Table Rock. Meet at the Lower Table Rock Trailhead. Follow Table Rock Road from Central Point 7.7 mi; then turn left onto Wheeler road and follow the signs 0.6 mi to the trailhead. Leader: Barbara Mumblo, 541-899-3855. This field trip is part of The Nature Conservancy's sponsored hikes, limit of 30 people, so reservations are required. Call the BLM reservation line 541-618-2200, starting March 10. Visit the best place in the valley to see a variety of early blooming wildflowers. If the weather is right we should see the rare dwarf meadowfoam blooming on top. Easy-to-moderate 2-mile hike to the top; portions of the trail are rocky.

The following three trips are being announced early since they may require some advance planning on the part of interested participants.

May 4, Sunday, 9:00 am

Workshop: Wildland Grasses. Meet at the left (east) side of Fred Meyer parking lot on the Parkway in Grants Pass. Alternate meeting place and time: 9:45 am, north side parking lot of Fish Hatchery Park. Leader: Don Heinze; reservations required—call Don at 541-955-7247. Learn to key and identify common grasses of southwest Oregon; find out natural history and historical facts about grasses. Bring pencil, paper, clipboard, hand lens, and digging tool. Easy 1-mile hike.

May 17-18, Saturday and Sunday

Coast Trip: Stout Grove and Otter Point. Leader: Veva Stansell, 541-247-7153. Saturday, 10:00 am, Stout Grove. Meet at the Redwood National Park Information site, Hiouchi, California (on Highway 199 about 8 miles southwest of Gasquet). Big trees, lovely water, butterworts, ferns, *Clintonia andrewsiana*. Bring lunch, raingear, walking shoes, water. We may spend the afternoon at Low Divide or at Stoney Creek Trail. Sunday, 9:30 am Otter Point headlands and beach. Meet at Gold Beach Ranger District, 29279 Ellensburg (south Gold Beach). We'll drive the old coast road north of the Rogue River to Otter

Point. Easy walk at headlands and down to beach. Western azalea, tiger lily, blueblossom, lupine, paintbrush, native clover, crowberry. *Oenothera wolffii* may not be in flower yet, but we will look for it and for pink sand-verbena. Bring lunch, raingear, walking shoes, water.

May 24–26, Saturday to Monday

Field Trip: Thompson Reservoir (east side of the Cascade Mountains) Meet Saturday at 4:00 pm in the office parking lot of the Silver Lake Ranger District of the Fremont National Forest in the (more or less) town of Silver Lake, 76 airline miles south southeast of Bend and 73 airline miles northeast of Klamath Falls. Alternate meeting place and time: 5:00 pm, Forest Service Campground on the west side of Silver Lake. This will be a plant listing trip for the Oregon Plant Atlas Project, which is working on a new (and much needed) computerized technical manual of Oregon plants. Data collected on this trip will feed directly into the OPAP database. Thompson Reservoir is located in an area where to date no data have been collected for the project, so we will be on the “cutting edge”. We’ll stay at the USFS Thompson Lake Campground on the west side of the lake. It has spaces for both tents and RVs, as well as water and toilets. This is a good opportunity for people from all over the state to come to an unbotanized block (#145). Bring your family. Those who don’t want to botanize can go birding and/or boating. Fishing in Silver Lake is also reputed to be very good. For more info contact leader Don Heinze at 541-955-7247 or birdhaus@internetcds.com.

Umpqua Valley

March 13, Thursday, 7:00 pm

Meeting: Review the Borage and Brassica families. Bring specimens. Mercy Medical Center Community Education Building 2459 Stewart Parkway (bright blue sign between Stewart Park Pharmacy and Office Max). For more information call Richard Sommer at 541-673-3709.

March 15, Saturday, 9:00 am

Field trip: Look for *Arabis kohlerii* on the rocks near Beatty Cr. then Doe Cr. Assemble for caravan or car-pool at BLM parking lot 777 Garden Valley Blvd, Roseburg, prior to 9:00 am departure. For more info please call Richard Sommer at 541-673-3709.

Willamette Valley

April 5, Saturday, 10:00 am

Field Trip: Restoration of Native Plants in Bush Park. Wilbur Bluhm

will lead a botanical exploration of the native wildflowers of Bush Park among remnant wet prairie, oak woodland, and riparian zones. Meet at the Deepwood Historic House parking lot, at the southwest corner of Mission Street and 12th Street, Salem. For more info contact Dana Field at 503-581-6073.

William Cusick

For information on the William Cusick Chapter call Frazier Nichol at 541-963-7870.

NPSO Items for Sale

Vascular Plants of Lane County, Oregon: An Annotated Checklist by C. Simpson, J. Koenig, J. Lippert, R. Love, B. Newhouse, N. Otting, S. Sundberg, D. Wagner, and P. Warner. Emerald Chapter, NPSO. This new county checklist includes more than 1,740 species and varieties representing 39 percent of the 4,460 plants currently recognized by the Oregon Flora Project at Oregon State University. It also includes a color map of Lane County’s five major ecoregions; and information about rare and endangered species, noxious weeds, and escaped cultivated plants. Information is included for every species on habitat, ecoregion, occurrence frequency, and native or non-native origin. To order, send **\$15** payable to Emerald Chapter, NPSO to Lane County Checklist, Emerald Chapter, NPSO, PO Box 902, Eugene, OR 97440-0902.

NPSO Membership Directory lists names, addresses, phone numbers, and e-mail address of NPSO members (April 2001). Available from Jan Dobak, 2921 NE 25th Avenue, Portland, OR 97212-3460. **\$3 postpaid.**

Camas Tee Shirt from Cheahmill Chapter. Beautiful moss green or tan tee shirts with botanical drawing in color of *Camassia quamash* by Carlton, OR artist and Cheahmill chapter member Marilyn Karbonski. Short sleeve, high quality, **\$15 plus shipping.** For ordering information call 503-852-7230, or send order to PO Box 291, Carlton, OR 97111.

The “Atlas of Oregon Carex” was NPSO’s first Occasional Paper. The Atlas has 128 location maps, one for each Carex taxon in the state of Oregon. Also included are a synonymy, fun facts about sedges, a history of the project, and Oregon geography maps. **Price: \$5.**

“Louis F. Henderson (1853-1942): The Grand Old Man of Northwest Botany” by Rhoda M. Love. NPSO’s second Occasional Paper is the only existing publication with detailed coverage of the long and fascinating life of this John Muir-like western character. Included: 56 pictures, 133 notes, chronology, list of plants named for Henderson. Third printing nearly sold out. Order your copy today! **Price: \$10.**

To order either or both Occasional Papers, send check for the appropriate amount (made payable to NPSO) to: **Occasional Papers, Native Plant Society of Oregon, PO Box 902, Eugene, OR 97440-0902.**

OTHER EVENTS

Siskiyou Environmental Film Festival

March 18-23, Ashland

Oregon's only international environmental film event, will be held from March 18-23, 2003 at a variety of locations in Ashland Oregon. With the continual degrading of the earth's life support systems, we hope to encourage a careful examination of the potential consequences of our individual and collective actions and to inspire positive local actions to protect the systems we all depend on.

The Festival will bring to southern Oregon more than 20 awe-inspiring environmental films from around the world and will feature award winning films such as *Ansel Adams*, a lyrical portrait of this most eloquent American of photographers; *Disenchanted Forest*, a

film that documents attempts to return young orangutans to their original rainforest habitats in Indonesia. It underscores the urgency of conservation efforts, while at the same time making us think hard about the meanings and values of culture and nature; and *War of the Woods*, *The Last Stand* documenting the controversy in the Pacific NW between environmentalists and the timber industry that seemingly pitted ecology against the economy.

For reservations, to volunteer or for more information contact Barry Snitkin at the Siskiyou Project 541-592-4459 or barry@siskiyoud.org. www.siskiyoud.org

Berry Botanic Garden Events

Portland's Berry Botanic Garden has a number of native plant oriented events. To register or to get more information on these and other events at the garden call Kris at 503-636-4112x22 or visit their website at <http://www.berrybot.org>.

Catherine Creek Wildflower Hike March 13, Thursday, 9 am-3:30 pm

This is a famous "first hike of the season." Over ninety species of wildflowers can be found at Catherine Creek over the course of the blooming season. The hike is an easy 3-4 miles round-trip and offers outstanding views of the Columbia Gorge. This hike is timed to give us a good shot at seeing a carpet of purple grass widows on the rolling meadow. Be aware that this area can be very windy (and cold in March!) so plan accordingly. We will send instructions to registrants. \$10.

Naturescaping for Clean Rivers March 30, Sunday, 1-5 pm

Naturescaping features native plants, natural landscapes, and water-friendly gardening practices. The results are less water, fewer chemicals, and less maintenance. This directly benefits you, your garden, and the environment. On top of that, you'll attract beneficial

wildlife. Each participant receives a free workbook and native plant to take home. Rain or shine, we'll be going outside to study plants along BBG's Native Plant Trail. Sponsored by Portland Bureau of Environmental Services and East Multnomah Soil and Water Conservation District. Free, advance registration required. To register, call 503-797-1842 or e-mail naturescaping@yahoo.com.

2003 NPSO Seminar Series

March 8, Saturday, 9am-Noon

Dr. Barb Wilson: *Carex* (Sedges)

March 15, Saturday, 9am-Noon

Dr. Ken Chambers: Asteraceae/
Cichorieae (Dandelion group)

April 5, Saturday, 9am-Noon

Tehman Erhart: *Lupinus* (Lupines)

April 19, Saturday, 9am-Noon

John Schenk: *Mimulus* (Monkeyflowers)

Cordley Hall, rm. 1064 (enter from NW corner), OSU Campus, Corvallis

Local experts will lead seminars focused on familiarizing ourselves with the native flora of Oregon. They will guide the class through a taxon of their choice pointing out the key characteristics used in identification. Slide shows, power point presentations, herbarium specimens, and any possible live materials can/will be available for the class to observe. Instructor will walk the class through keys found in Hitchcock & Cronquist, the *Jepson Manual*, and/or others pointing out key characteristics one should look for in the field and potential pitfalls associated with the keys. Please bring a copy of Hitchcock & Cronquist, the *Jepson Manual*, and any dissecting equipment you have (extra equipment will always be used).

NOTE: Class size will be limited to 20 people. Please register in advance for individual seminars you would like to attend by contacting John Syring, 541-752-0414 or syringj@bcc.orst.edu.

Nearby Nature Seeks Volunteer Naturalists!

Thursday, March 6, 6:30-8 pm, EWEB, 500 E. 4th St. in Eugene

Nearby Nature, a non-profit environmental education group based in Eugene, is looking for volunteers to lead school nature walks in Alton Baker Park, help with in-school nature programs, and work on environmental restoration projects. To learn more about Nearby Nature's volunteer opportunities, please attend the group's spring volunteer orientation on March 6. For more information, call 541-687-9699 or check out Nearby Nature's web site: www.nearbynature.org.

Oregon Rare Plant Status Meeting

April 11, Friday, Room 103, Bexell Hall, OSU, Corvallis

The triennial meeting to discuss rare plants in Oregon will start promptly at 9:30 am and end no later than 5:30 pm. All interested parties are welcome to attend. At the meeting we will be discussing plant species in preparation for the next revision (2004 publication) of the Oregon Natural Heritage Information Center's (formerly Oregon Natural Heritage Program) lists that appear in the "Rare, Threatened and Endangered Plants and Animals of Oregon". Please go to the ORNHIC website at <http://oregon-state.edu/ornhic> to see a PDF copy of the latest booklet/list, February 2001.

If you wish to nominate a species for addition or deletion or any other kind of change, please submit by March 28 a detailed explanation, including your name and a way to contact you, the plant's scientific name, what the recommendation is and why, to Sue Vrillakas (sue.vrillakas@orst.edu), ORNHIC, 1322 S.E. Morrison St., Portland, OR 97214, ph. 503-731-3070 ext. 105, fax 503-731-3070. All recommendations received by March 28th will be summarized and posted to our website prior to the meeting date. You do not have to attend the meeting in order to recommend changes.

Colorado Wildflowers

March 18, Tuesday, 7:30 pm

Columbines, Composites and Conies: a Trip to the Colorado Rockies. Tanya Harvey (*Bulletin* editor) will show slides of mountain wildflowers, wildlife and scenery from the Summit County area of Colorado at the monthly meeting of the Columbia-Willamette Chapter of the North American Rock Garden Society. The meeting will take place at the The Hoyt Arboretum, 4000 SW Fairview Blvd, Portland. For more info contact Ginny Maffitt at maffitt@hevanet.com.

Mount Pisgah Arboretum Events

Seavey Loop Rd., Eugene, call 541-747-1504 for information or to register.

Gardening with Nature: Native Plant Gardening Workshop Series

These popular classes offer a complete tutorial in how to choose native plants that will thrive in your garden's micro-habitats, attract and sustain wildlife, and design a natural garden that fits into your personal landscape. Taught by Evelyn Hess of Lorane Hills Farm and Nursery. Sign up for the whole series or individual classes and prepare your garden for some ecologically beneficial changes. Class fees: \$85/\$60 for the entire series, or \$20/\$15 per class.

Gardening with Nature

March 8, Saturday, 9:30 am - Noon

Knowing and Growing Native Plants

March 15, Saturday, 1 - 4 pm

Gardening for Wildlife Habitat

March 29, Saturday, 1 - 4 pm

Native Plant Propagation

April 5, Saturday, 1 - 4 pm

Designing Your Natural Garden:

April 19, Saturday, 1 - 4 pm

Explore Nature with Kids!

Mount Pisgah Arboretum in Eugene is currently seeking volunteers who enjoy working with kids and want to learn more about our local environment. Guides lead small groups of 6-8 elementary school students on tours, exploring the forest, meadows and waterways of the Arboretum.

Guide Training begins Wednesday evening, April 2, and covers nature studies, teaching techniques, storytelling and group management. Volunteers lead a minimum of one morning tour per week (April 21-June 13). Seniors especially welcome! Credit is available for U of O and LCC students. For more information or an application, call the Arboretum Education office at 541-747-1504.

Field Sketching Workshop:

Nests & Eggs

March 8, Saturday, 1-4pm

The birds are heading back and settling down to nest! Learn to draw intricately woven nests, their downy lining, and the details of the precious eggs within. Kris Kirkeby teaches you to use the versatile medium of ink to make field sketches and detailed line drawings. Fee: \$20 (\$15 MPA members). Pre-registration required.

Spring Wildflower Walks

March 22, 30, Saturday, 10am-Noon

Immerse yourself in the splendor of the Arboretum's native spring wildflowers. Learn about ecology and how to identify flowers in bloom on walks led by local botanist Bruce Newhouse (3/22) and local ecologist Nick Sky (3/30). Meet at the Visitor Center. Suggested donation \$3 (MPA members free).

Southwestern Oregon Disturbance Ecology Workshop

March 11-13, Jacoby Auditorium, Umpqua Community College, Winchester, (just north of Roseburg)

The conference will be made up of "a working group to generate recommendations about disturbance ecology to federal land managers." Fee including lunch is \$110 before February 28; \$120 after. Sponsors are Umpqua National Forest, US Fish & Wildlife Service, National Marine Fisheries Service, Boise Cascade and Umpqua Community College. Make checks payable to Umpqua Community College, and mail to: UCC, Attn. Shery Buchko, PO Box 967, Roseburg, OR 97479. For more information, contact Pat Williams, Umpqua N. F., at 541-498-2531 or e-mail pswilliams@fs.fed.us.

2003 Environmental Law Conference

Environmental (in)Justice in the Global Village

**March 6–9, Thursday–Sunday,
U. of O. School of Law, Eugene**

The Public Interest Environmental Law Conference is the premier annual gathering for environmentalists worldwide, and is distinguished as the oldest and largest of its kind. Now in its 21st year, the Conference unites more than 4000 activists, attorneys, students, scientists, and concerned citizens from over 50 countries around the globe to share their experience and expertise. The Conference is organized solely by the volunteers of Land Air Water, a student environmental law society.

The four-day Conference includes over 125 panels, workshops, and multimedia presentations addressing the entire spectrum of environmental law and advocacy. Each day of the Conference culminates with keynote presentations from preeminent activists, scientists, politicians, philosophers, and authors.

For more information or to register call 541-346-3828 or visit their website at www.pielc.org.



TANYA HARVEY

*Old growth trees at Tidbits Mountain
near Blue River.*

Actions in Washington DC Affect Oregon Ecosystems

by Rhoda Love with assistance from Doug Heiken, Oregon Natural Resources Council

The present administration in Washington has wasted little time in rolling back over three decades of forest protections that NPSO and ONRC members have earned through hard work in the halls of Congress, in the hours writing letters on our kitchen tables, and by bringing the truth of the forest to the places of power.

Here are a few of the worst anti-environmental actions (so far):

1. The present administration blocked implementation of the Roadless Area Conservation Rule. Administration lawyers made false admissions in court that allowed an Idaho Judge to stop the roadless rule. Luckily, the 9th Circuit Court of Appeals has reinstated the rule at least temporarily.
2. The administration has proposed to reduce public participation and environmental safeguards in updating forest plans under the National Forest Management Act. This includes weakening the “species viability” requirement—one of the most powerful legal tools at our disposal.
3. The current administration in Washington is weakening citizen involvement in “fuel reduction” projects through the “Healthy Forest Initiative.” Instead of building on the developing consensus about the need to involve the public and follow environmental requirements when making sincere plans to restore fire-adapted ecosystems, the Bush administration is pursuing a path that will ignite controversy over ineffective logging of big trees in remote areas under the false guise of forest fire risk reduction. Can the Forest Service and BLM make rational decisions on fuel reduction projects if they refuse to consider environmental consequences, or alternatives, or consider differing viewpoints?
4. Washington has now adopted a new “pave the parks” rule which allows motor vehicles to use abandoned roads and trails on public lands, including wilderness areas and National Parks. This rule also allows major upgrades of these old trails, so we could end up with paved county roads inside of wilderness areas and national parks.
5. The administration is reducing protection for threatened and endangered species when conducting “fuel reduction” logging projects. They would like to assume that all logging is equivalent to restoration of endangered species habitat, without considering that most fuel reduction “restoration” projects have commercial logging as one of their prime objectives.
6. They are now allowing logging of up to 50 acres of old growth and 250 acres of “salvage” of dead and diseased trees without environmental review or public involvement. Much of our last remaining ancient forest is in fragments less than 50 acres and this new “categorical exclusion” rule could be devastating.
7. The administration settled a lawsuit brought by the Homebuilders’ Association (a.k.a., the “sprawl industry”) in which Bush agreed to drop protection for millions of acres of forest that provides critical habitat for salmon.
8. And, outrageously, Congress is considering a motion to drop plants from the Endangered Species Act.

It is very important that you contact your elected officials and government bodies and let them know how you feel about these travesties. For more information on any or all of these rollbacks and to see what you can do about them, please visit ONRC’s website (www.onrc.org) and click on the stumps. ONRC was a great assistance to NPSO in the passage of our Oregon Endangered Species Act. We support them with a monetary contribution each year.

Hibernating Caterpillars

continued from page 23

spring. The Clodius Parnassian's host plant is wild bleeding heart (*Dicentra formosa*), common in the woods of western Oregon. The entire fleshy portion of this plant, stems as well as leaves, withers and disappears in the winter. In laying their eggs in the fall, the butterflies avoid the host plant itself and fasten their eggs instead to something durable in the immediate vicinity. For example, eggs placed on twigs of a neighboring woody plant would give the caterpillars a chance of reaching the new bleeding heart foliage next spring. When I enclosed a female Parnassian butterfly with a bleeding heart plant in a small screened cage last summer, she was induced to lay eggs by the presence of the bleeding heart, but she attached her eggs only to the wire screening, not a single one to the plant.

Some caterpillars break up their foraging period into two separate years, hibernating in the intervening winter as partially-grown caterpillars. This tactic is commonly used in arctic and alpine species which inhabit regions where the summer is so brief and cool that a caterpillar cannot easily mature in a single season. Or, in very arid environments plants may dry up at the end of the spring. Paintbrush and

penstemon, which are host plants for Checkerspot butterflies near the Alvord Desert in southeastern Oregon, are no longer reliable as a source of food beyond the month of June. To cope with the risk of abruptly being without food, the caterpillars which depend on these plants initiate a form of hibernation or energy-conserving sleep (diapause) at the beginning of summer, which takes them through until fresh vegetation grows again in the following spring. Only then do they resume eating to complete their development. During the summer, fall and winter they hide at the base of the plant.

The Viceroy (mimic of the Monarch) and its relative, Lorquin's Admiral, make use of the shape of the leaves of their host plant to construct a winter shelter. In the summer the female butterflies fasten their eggs to the tips of willow leaves. In a week or two caterpillars hatch from the eggs and begin to eat the willow leaves. As summer turns to fall, however, while the caterpillars still are less than half grown, they lose interest in food and launch into a completely different pattern of behavior. The stimulus for this is not certain but could be one or more of the changes that are taking place at that time of year: shortening of daylight hours, colder nights or lower angle of the sun. Something is telling

them to get ready for winter.

The caterpillar selects a leaf and eats the distal portion until it is trimmed to a length which will comfortably accommodate its body, not forgetting to preserve a short stub of the leaf's midvein, which later will serve as an entrance threshold. Next the leaf is curled along its long axis into a cylinder, using silk to pull the side edges of the leaf towards each other until they meet. One more thing—to keep this leaf from falling off with the others, the caterpillar reinforces its attachment to the stem with strands of silk. This detail ensures that the inhabitant of the leaf-home (or hibernaculum) will remain close to the buds, which eventually will replenish the leaves, and in the meantime it avoids exposure of the caterpillar to small predators roaming over the ground below. The caterpillar wriggles into the tube, hind end first, positioning its hard head capsule to block the entrance. It stays snugly enclosed through the winter, bobbing about with the wind, rain and snow. Look for these little leaf-homes as you walk past willow thickets in the winter. If you spot a suspicious isolated dead leaf, examine it closely for the telltale silk wrapped around the stem.



1. Caterpillar wrapping silk around the base of the leaf's stem.



2. Checking for fit.



3. Caterpillar in its hibernaculum during winter snow.

ALL PHOTOS BY WILLIAM NEILL

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip+4 _____

Phone _____ E-Mail _____

Chapter (if known) _____

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

Address _____

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Please make checks for dues and contributions payable to:
NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

Jan Dobak, NPSO Membership Chair
2921 NE 25th Avenue
Portland, OR 97212-3460

DUES include monthly *Bulletin* and yearly *Kalmiopsis*.

Membership is for the calendar year. New memberships enrolled after September 1 include the following year.

- ☐ New ☐ Renewal
- ☐ Student – \$12 ☐ Regular – \$18 ☐ Family – \$24
- ☐ Sustaining – \$50 ☐ Patron – \$100 ☐ Life Membership – \$500
- ☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$18 *Only for those who wish to subscribe, but do not want to have full membership status.*
- ☐ 2003 NPSO Membership Directory – \$2

CONTRIBUTIONS to NPSO are tax deductible.

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

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

Membership applications, renewals and change of address (include old address) should be sent to the Membership Chair.

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CHAPTER PRESIDENTS

BLUE MOUNTAIN (Pendleton) Jerry Baker.....58840 Bar M Lane, Adams, OR 97810-3003; 541-566-2244

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EMERALD (Eugene) Position vacantcontact John Koenig; 541-343-0707

HIGH DESERT (Bend) Reid Schuller..... 62615 Stenkamp Road, Bend, OR 97709; 541-317-1901

KLAMATH BASIN..... Sarah Malaby/Mike Cutlersmalaby@cs.com; 541-884-5703/cutler@cvc.net; 541-850-9012

MID-COLUMBIA Jerry Igo P.O. Box 603, Mosier, OR 97040

NORTH COAST..... John Gerke.....1775 Vista View Dr W, Tillamook OR 97141-9404; 503-842-5366

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SISKIYOU Chris Van Schaack.....429 Morton Street, Ashland, Oregon 97520-3047; 541-488-9174

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WILLAMETTE VALLEY (Salem) Position vacantcontact Karl Anderson; 503-315-7329

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CONSERVATION, WEST SIDE Steven L. Jessup.....208 Harrison St., Ashland, OR 97520-2920; 541-552-6804

LEGISLATIVE Position vacant

MEMBERSHIP..... Jan Dobak2921 NE 25th Avenue, Portland, OR 97212-3460; 503-248-9242

BUDGETS AND GRANTS Dan Luoma3740 NW Harrison, Corvallis, OR 97330; 541-752-8860

PUBLICATIONS

BULLETIN EDITOR Tanya Harveybulletin@NPSOregon.org; 541-937-1401

KALMIOPSIS EDITOR..... Cindy Roché109 Meadow View Drive, Medford, OR 97504, crupinaqueen@charter.net

WEBMASTER..... Michael Hartmanwebmaster@NPSOregon.org



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Native Plant Society of Oregon
Jan Dobak, Membership Chair
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Friends of the Oregon Flora Project



www.oregonflora.org

Have Flora Project supporters again shown themselves to be phenomenally generous? We think so—contributions to the 2002-2003 Challenge Drive exceeded the matching amount, as was the case in our first challenge held in Fall 2000. In response to the offer of \$22,500 in matching funds for this campaign, the Oregon Flora Project received \$35,802 in contributions! There were 313 donations from 268 individuals/households and 7 NPSO Chapters. Of these, 73 were first-time contributors to the Oregon Flora Project. We thank each one of you, the NPSO, and our

anonymous donor who initiated this challenge drive for your enthusiastic support.

Make checks out to NPSO or OSU Foundation
(attn: Oregon Flora Project) and mail to:

Friends of the Oregon Flora Project
P. O. Box 402
Corvallis, OR 97339-0402

Eastside Conservation Coordinator Still Needed

The Eastside Conservation Coordinator/Chair position is still vacant, and NPSO needs someone to fill that role. Responsibilities include working with chapters to identify and participate in public input on federal, regional, state, and local conservation-related issues that affect Oregon east of the Cascade crest. Letter writing, research, and occasionally meetings with officials or agency staff are typical duties of the position. A large time commitment is usually not required. If you are interested in serving NPSO in this position, please contact the president at president@NPSOregon.org.