



Bulletin

of the

Native Plant Society of Oregon

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

VOLUME 36, No. 11

DECEMBER 2003

IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew. A remittance envelope is included in this issue of the *Bulletin*. Or use the membership form on the inside back page.

It's also a good time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Jean Davis Memorial Scholarship is awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO. NPSO brings you field trips, programs, classes, the monthly *Bulletin*, and *Kalmiopsis*.

Note for New Members: If you joined since September, you are already enrolled for 2004. (See your address label.) You don't need to renew now.

Note for Earthshare Contributors: If you are receiving the *Bulletin* because you have designated part of your contribution to NPSO, your membership will continue for one year from the time of your contribution; you don't need to send a renewal payment now.

Summer Intern Report

Effects of the Biscuit Fire on Umpqua swertia (*Frasera umpquaensis*)

by Becky Kessler

The following is the first in a series of articles in which NPSO/Institute for Applied Ecology interns discuss their activities during the 2003 field season. Interns participated in monitoring, restoration and other research projects conducted by IAE staff throughout Oregon during the past summer. These projects focused primarily on threatened and endangered plant species and invasive weeds in the Siskiyou, coastal areas, the Cascades, and the Willamette Valley. In this article, Becky Kessler presents recent results of wildfire effects on Umpqua swertia in the Siskiyou Mountains. Internships are jointly funded by NPSO, IAE, and federal agencies. For more information on internship opportunities, please contact IAE at kayer@peak.org, 541-753-3099 or visit www.appliedeco.org. Thanks again to NPSO for contributing to botanical education and work experience.

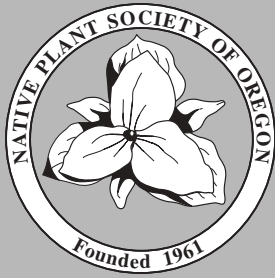
Tom Kaye, Institute for Applied Ecology, Corvallis, Oregon

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Umpqua swertia (*Frasera umpquaensis*) is a striking member of the Gentian family, standing up to a full meter tall in flower, with luminous green leaves and sweet smelling panicles of greenish- to purplish-white 4-petalled flowers. There is something refreshingly edible-looking about its whorled leaves which are restricted to low-growing bushy rosettes when not in flower. Umpqua swertia is quite at home in the bright light and cool breezes of the Siskiyou Mountains just south of the Rogue River on lands managed by the Medford District Bureau of Land Management (BLM). This is also where monitoring plots to track long-term population trends of this rare plant are located. The plant's appearance was further enhanced during our visits this year by the contrast of its bright leaves against darkly charred ground, trees and

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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 message: subscribe npsso

General Business Address

P.O. Box 902
Eugene, OR 97440

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

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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. 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.

Remembering Leighton Ho (1951-1987)

by Rhoda Love, Emerald Chapter

Our friend and NPSO member, Dr. Leighton Chee Won Ho, drowned in Hawaii on December 20, 1987. Leighton was President of Emerald Chapter in 1983 – 1985, during which time he encouraged our chapter to become involved in environmental issues including the fight to establish the Waldo Lake Wilderness, conservation of rare species such as *Aster vialis*, and protection of fragile ecosystems, especially the west Eugene wetlands.

Leighton loved the Northwest and NPSO. He was born in Hawaii but attended the University of Oregon where he and I met when we were both botany teaching assistants in the '70s. Scott Sundberg, Oregon Flora Project Coordinator, recalls his first taste of plant systematics at the UO in 1975 with Leighton as his lab instructor. Leighton was a high school biology teacher in Hawaii at the time of his ac-

cidental death. Contributions from his friends and bereaved parents helped to establish the NPSO Leighton Ho Memorial Fund which allows NPSO to award a Field Botany grant each year for summer research. Thus far sixteen deserving students have been recipients of this award.

The most recent grantees have been: Jason Fuller (2001), who studied the effects of the cinnabar moth on native *Senecio* species; James Zanzot (2002), who worked on Sudden Oak Death disease; and Jennifer Millard (2003), who investigated the impact of ant predation on *Trillium ovatum*.

Thirteen years ago the Ho Fund contained over \$2,000 and earned approximately \$100 in annual interest. In recent years contributions have declined, and I am sorry to report that the grant fund has dwindled significantly. Unless The Ho Fund receives a new influx of contributions, we will be unable to award our usual \$750 stipend for field research in 2004.

I am writing a check to the Leighton Ho Fund today and hope that many *Bulletin* readers will follow my example. I feel certain that Leighton's many friends as well as former recipients of the Ho Award will want to contribute, and I hope other NPSOers will do so as well. I know Leighton's family in Hawaii will be cheered to learn that the fund is alive and well and that Leighton has not been forgotten by the organization he loved. Contribute using your membership renewal form, or send your checks in any amount to NPSO Treasurer Candice Guth at the address in this *Bulletin*. Mark them "Leighton Ho Fund." Happy holidays to you all!



CHARLENE SIMPSON

Leighton Ho and Gaylee Goodrich inventorying *Microcala quadrangularis* near Lane County's Greenhill Road in May, 1985.

State

January 24, Saturday

Board of Directors Meeting: at the Nature Conservancy office in Portland. More details will be posted later.

June 25–27, 2004

Annual Meeting: The William Cusick and Blue Mountain Chapters will host next year's meeting in La Grande.

Blue Mountain

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

Cheahmill

For information on the Cheahmill Chapter call Marilynn Karbonski at 503-852-7230.

Corvallis

December 8, Monday, 6:30pm

Meeting: Holiday Party at Loren and Flo's abode, 3420 SW Willamette, Corvallis. Please bring 15-20 slides to show and a dessert or drink to share. For more information contact John Syring at 541-752-0414.

Emerald

December 15, Monday, 7:30 pm

Meeting: Annual Members Slide Show/Christmas Get-together. Bring 5-10 slides and some snacks to share, if you wish. Come admire others' slides if you don't have your own. 7:30 pm, Room 115, Science Building, Lane Community College.

January 24, Saturday, 8:00 am

Work Party: OSU Herbarium. The OSU Herbarium needs help in mounting plant specimens and with a variety of other tasks. Meet at South Eugene HS at 8:00 am to carpool. Return to

Eugene before 4:00 pm. RSVP. For more info call Dave at 541-345-5531.

January 26, Monday, 7:30 pm

Meeting: Come In From the Rain and the Wet to Learn More About the Wetlands! Join Eric Wold, former NPSO board member and the West Eugene Wetlands Program Supervisor, for a discussion of the miraculous mosaic of wetlands to the west of town. Eric will discuss land management, acquisition, and restoration in diverse types of wetland habitats and show how these actions affect preservation of endangered species. Eric brings his background in forestry, wildlife biolo-

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.

gy, ecology, entomology, and planning to this educational exploration of the big "puddle" in our "backyard". 7:30 pm, Room 115, Science Building, Lane Community College.

February 23, Monday, 7:30 pm

Meeting: Rare and Endangered Plants of Lane County. Charlene Simpson, who specializes in Lane County flora, will use a lovely slide show to tell us stories of species losses, gains, and near misses. Charlene is a founding member of Emerald Chapter, state board Director-at-Large, lead author of the recently published *Lane County Checklist*, and co-chair of Emerald Chapter's R & E Committee. 7:30 pm, Room 115, Science Building, Lane Community College.

High Desert

For information on the High Desert Chapter, contact Reid Schuller at 541-317-1901.

Klamath Basin

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

Mid-Columbia

December 3, Wednesday 7:30 pm

Meeting: Berried Treasure, Wild Edible Fruits, Nuts, and Berries from our area. A study of the natural bounty that grows wild in our region, with a look at ethnobotany, and contemporary ethical harvesting. Jams, jellies, nut-breads, and wine-tasting included. All are welcome. Columbia Gorge Discovery Center. Exit 82 off I-84 in The Dalles and follow the signs.

North Coast

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

Portland

December 9, Tuesday, 7:00 pm

Meeting: Annual Slide Share Get Together. Bring your slides in and share with us! We do this every year at the end of the year (or beginning), so come and show us your beautiful slides! Fire-side Room (#355) of the First United Methodist Church located at 1838 SW Jefferson St. in Portland. For more info contact Dee White, 503-775-2909.

Siskiyou

December 10, Wednesday, 6:30 pm

Meeting and Annual Holiday Party: Mistletoes in the State of Jefferson—More Than Just a Holiday Decoration. Come be merry while Katy Marshall, Plant Pathologist at the Southwest Oregon Forest Insect and Disease Service Center, talks about mistletoe folklore and medicinal uses, ecology and biology. Katy will include the true mistletoes and the dwarf mistletoes. Tour the rock museum too! Please bring a festive dish, dessert, or drink to share. Crater Rock Museum, 2002 Scenic Ave., Central Point. (When traveling on I-5, take exit 35 and follow Hwy. 99 to Scenic Ave., turn left, go two blocks. If coming from Medford, take Hwy. 99 north, through Central Point, past the high school, and turn right at Scenic Ave. Go two blocks.) For more information contact Cynthia Maclaren at 541-482-0899. For directions to Crater Rock Museum go to <http://www.craterrock.com/map.html>.

January 15, Thursday, 7:30 pm

Meeting: What Are the Potential Impacts of Future Climate Change on Vegetation in the Pacific Northwest? Dr. Sarah Shafer, from the USGS Earth Surface Processes (Central Region), will summarize some of the projections of future climate changes for the Pacific Northwest and potential effects these changes may have on vegetation and on conservation and natural resource management activities in the region. Room 171 of the SOU Science Building, Ashland. For more information, contact Cynthia Maclaren, 541-482-0899.

Umpqua Valley

December 11, Thursday, 7:00 pm

Meeting: Christmas Party Potluck Dinner and a Slide Presentation of Jim and Barbara Long's Trip to Japan. Mercy Medical Center Community Education Bldg., 2459 Stewart Parkway, Roseburg. For more information please call Judy Kent at 541-863-7024.

Willamette Valley

For information on the Willamette Valley chapter, please call Bob and Judy Oliver at 503-371-8709, or Wilbur Bluhm at 503-393-2934.

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 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 2003). 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. **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.**

Oregon's Rare Wildflower Poster depicts Punchbowl Falls and three of the Columbia River Gorge's endemic wildflowers. Text on the back describes the natural history of the Gorge and the mission of the NPSO. Available from Stu Garrett, 21663 Paloma Drive, Bend, OR 97701, 541-389-6981. Individuals may order posters at **\$12 each**, plus \$3 per order for shipping. Posters are mailed in tubes.

Mount Pisgah Arboretum Events

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

Evergreen Wreath Workshop December 7, Sunday, 1-3 pm

Create your own seasonal wreath using native evergreens, cones, and other natural materials. Bethany Little, a talented local florist and wreath-maker, teaches this annual fundraiser. You'll come away with new skills and a beautiful wreath to give as a gift or decorate your home for the holidays. Fee: \$25. Pre-registration required.

2004 Update for Rare, Threatened and Endangered Species of Oregon

The *Rare, Threatened and Endangered Species of Oregon* booklet will be updated in February 2004. This publication contains information on the status and county and physiographic province distribution for rare animal, plant and fungi species within the state. Recommendations made at the Rare Plant Conference held last April 2003 in Corvallis and subsequent comments on those recommendations will be incorporated into this next edition. However, there is still time to make new recommendations and comments.

To review the conference results, please go to the Oregon Natural Heritage Information Center website at: <http://oregonstate.edu/ornhic>, or contact the ORNHIC office to get a paper copy. Please send your comments and recommendations before January 31, 2004 to Sue Vrilakas, ORNHIC, 1322 S.E. Morrison St., Portland, OR 97214 or e-mail sue.vrilakas@oregonstate.edu or phone 503-731-3070 x105.

NPSO Member's Art on Display in Ontario

Corvallis chapter plein-air painter M. Frances Stilwell presents "Ontario-to-the-Sea" Nov. 1 – Jan. 31 at the Four Rivers Cultural Center in Ontario. Fifty paintings in pastel, watercolor and oil show native flowers in their native habitats in the High Desert, Cascades, Willamette Valley, and the Coast Range. The route crosses Oregon paralleling Hwy 20 through Ontario, Burns, Sisters, Corvallis, and Waldport.

A botanist-turned-artist, Stilwell paints with an impressionistic style that has been said to, "bridge the gap between science and sensuality." She wrote and illustrated *Come Walk Through Spring* with Bessie Gragg Murphy and her *Willamette Valley Wildflowers* was selected by the Salem Statesman-Journal as one of the top ten books reviewed in 2002. It was on display with the Grandma Moses books at the Portland Art Museum this past year.

State Officer and Board Member Candidates Needed for 2004!

by Veva Stansell, Nominations Committee Chair

There is still NO candidate for State NPSO Secretary. Don't hesitate to contact the Nominations Committee if you are interested in this or any other position. Three Board of Director positions will need to be filled; we have one candidate. If you have considered a position as Officer or Director, now is the time. You will be a shoo-in! Let me go over the benefits:

- Travel four times a year to Board meetings, one of which is the Annual meeting.
- Opportunity to make new friends and touch base with other plant nuts
- A mileage allowance for travel over 100 miles.
- Exposure to what's happening in the world of plants.
- Opportunity to exercise creative thinking.
- Pay—out a sight (non-existent). However, you will be rewarded with knowing that you have a hand in conservation of plants, education and enjoyment of Oregon's native flora and habitats.

No experience is necessary, just an interest and willingness to work with others in guiding NPSO.

Nominating Committee

Veva Stansell, Chair
PO Box 6077
Pistol River, OR 97444-1575
541-247-7153
vstansel@harborside.com

Dick Brainerd, 541-758-4500

Kelli van Norman, 503-236-8787
secretary@NPSOOregon.org

Esther McEvoy, 541-754-0893

TOM KAYE



Umpqua swertia (*Frasera umpquaensis*)

Effects of the Biscuit Fire on *Umpqua swertia*

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shrubs—evidence of the huge Biscuit Fire of 2002.

In addition to being charismatic and attractive, *Umpqua swertia* is a rare plant that is threatened in part by timber harvest, road building, invasive weeds and forest fires. It is currently a candidate for endangered species listing by the Oregon Department of Agriculture, and is considered a Species of Concern by the U.S. Fish and Wildlife Service. The Oregon Natural Heritage Program lists it as endangered throughout its range, which extends from the central western Cascades of Oregon to the Klamath Mountains of Northwest California. It is located in the Umpqua, Rogue River, Siskiyou, Willamette and Shasta-Trinity National Forests and on the BLM Eugene and Medford Districts (USDA and USDI 1993). It appears to prefer cool, moist forests and openings, edge habitats and somewhat disturbed sites which receive

some sunlight. It can be found at elevations of 3,500-6,000 feet. The plants are long-lived, as evidenced by the annual growth rings produced on their rhizomes. NPSO *Bulletin* readers may recall that in 2001 an informal count by our crew turned up one flourishing old-timer with at least 89 rings (Zanzot, 2002).

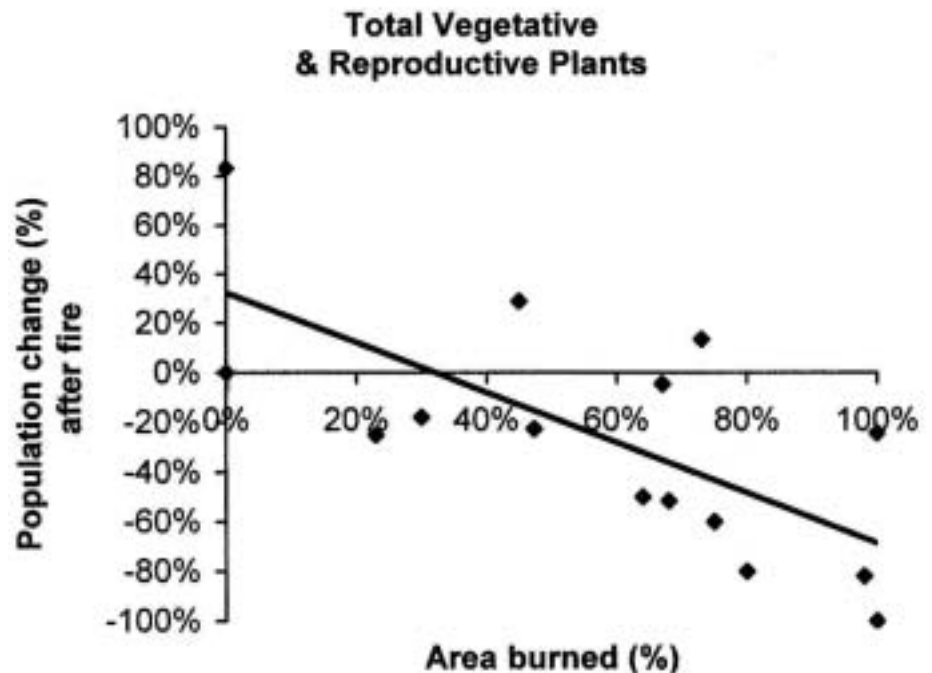
The Biscuit Fire blazed from July through November 2002. It encompassed 499,965 acres mainly in Southwest Oregon, with some 28,000+ acres in Northern California (www.biscuit-fire.com). It is estimated to be one of the largest recorded fires in Oregon's history, requiring over \$153 million and the effort of over 7,000 firefighters and support personnel to control. The fire's behavior and impact on plant communities was patchy, depending on local fuel abundance. In certain areas with large quantities of shrub growth and accumulated duff, the fire was able to burn up into tree canopies and overcome them, resulting in massive tree kill. Areas with less understory growth and duff accumulation suffered fewer tree losses and less overall fire impact. This patchiness is quite evident to the

visitor one year later. In some areas acres of charcoal monoliths stand and lie, formerly diverse species of *Pinus* and *Abies*, creating an eerie overstory for the sparse seedlings and herbaceous plants that are resprouting through bare mineral soil. Here, the blackened branches of charred manzanita, saddler oak and chinquapin (*Arctostaphylos* spp., *Quercus saddleriana*, *Chrysolepis chrysophylla*, respectively) exhibit green regrowth at their bases. In other areas, the fire appears to have raced along the ground, singeing the duff and smoking the tree bases, but leaving little damage in its wake.

The Biscuit Fire and *Umpqua swertia*

Three *Frasera umpquaensis* populations comprised of several subpopulations on the BLM Medford District have been monitored since 1995, providing baseline data to document population changes related to the Biscuit Fire. Up to this point, the response of this species to burning has been unknown, despite the fact that wildfire is recognized as a potential threat to the

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Changes in Umpqua swertia subpopulations before and after the Biscuit Fire are significantly correlated with the amount of habitat burned (n=15 subpopulations).

Effects of the Biscuit Fire on *Umpqua swertia*

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species. Prior to the fire, the three *Frasera* populations experienced moderately fluctuating numbers, with two of the three populations showing a slight decline in recent years. In 2003, however, many subpopulations showed substantial declines. Our analysis shows a clear negative correlation between the amount of habitat that burned and the number of individual *Frasera* plants at a site. In other words, the greater the area burned in 2002, the lower the plant survival during the following year.

Our observations also show that the hotter an area burned, the fewer plants survived. This is illustrated by one *Frasera* subpopulation that was entirely burned at a moderate level, located near a California pitcher plant (*Darlingtonia californica*) fen that was happily left more or less unscathed by the fire. While the previous eight years had seen *Frasera* numbers in this subpopulation oscillating between 23 and 44 individuals, in 2003 we found no plants present. All had been killed by the fire. The fire at this site consumed many small trees and a heavy shrub cover, creating high temperatures close to the soil surface. In contrast, a nearby (about 100 feet away) subpopulation was also completely burned by the fire, but only at a light to moderate level—this site previously had low shrub and young tree cover. Prior to the fire, population levels were similar to the first site (between 22 and 47 individuals), but 2003 saw only a small decline in numbers to 22 individuals, due to a lower fire intensity.

The fire seems also to have impacted flowering. Data from previous years reveal an alternating flowering schedule, with many reproductive stalks produced every other year. In 1997, 1999 and 2001 large numbers of plants bloomed, with the intervening years showing reduced or no flowering. Flowering should have been high in 2003, but at all sites the number of reproductive individuals was low—though not quite as low as in the “off”



TOM KAYE

Most *Umpqua swertia* plants are killed if their roots are damaged by heat, while some resprout but remain small one year after fire. Photo by Tom Kaye

years. Fire appears to have a negative impact on flowering, at least in the first year following the burn. It remains to be seen whether the flowering schedule will change in response to the fire, or if the quantity of reproductive plants will be impacted in the next reproductive cycle.

At this time it is difficult to determine the impact of fire on future population growth. As blooming has occurred in odd years, seedling abundance has generally been high in even years. Since numbers of reproductive individuals were low in 2003, we might find that seedling numbers will likewise be low in 2004.

On average, burned *Frasera* plants produced fewer and smaller rosettes and shorter leaves than plants untouched by fire. The flower stalks of those burned plants that were reproducing (admittedly, there were very few such individuals) were much shorter than those of unburned plants. It will be important to determine if plants that were damaged but not killed by the fire are able to survive in 2004, or if they are so damaged that they will soon die.

For now it is clear that the short-term impact of fire on *Umpqua swertia*

is negative, but additional observations of these populations and their habitats will be needed to assess the long-term impact of fire on this rare plant.

Literature cited

- Hickman, J.C. 1996. *The Jepson Manual of Higher Plants of California*. University of California Press. Berkeley, California.
- Kaye, T.N. and J. Cramer. 2002. *Frasera umpquaensis* baseline population monitoring on the Medford District, BLM. Institute for Applied Ecology, Corvallis, Oregon.
- USDI Bureau of Land Management and USDA Forest Service. 1993. *Conservation Strategy for *Frasera umpquaensis**. USDI Bureau of Land Management and USDA Forest Service.
- Zanzot, D. 2002. *Frasera umpquaensis*: a rare plant with and identity crisis. *Bulletin of the Native Plant Society of Oregon*. 35:1-10.

Grant Proposals Requested

The Native Plant Society of Oregon will continue to sponsor small field research grants. The objectives of the program are: 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from Dan Luoma, Field Research Grants Committee Chair, 3740 NW Harrison Ave., Corvallis, OR 97330. The material may also be obtained at NPSO's World Wide Web site, <http://www.npsoregon.org/comm/FRGC.htm>. Research proposals are due by March 1, 2004.

300th Copy of "Henderson" Sold!

by Rhoda Love, Emerald Chapter

October 23, 2003. Today NPSO sold the 300th copy of Occasional Paper # 2, "Louis F. Henderson (1853-1924): the Grand Old Man of Northwest Botany." This, the final copy of the third printing, went to the Lane County Historical Museum in Eugene. The first printing of 200 copies originally appeared in February 2001, with 50 additional copies, with minor additions following in November of that year, and the third printing of 50 in June 2002.

Copies have been sold, mostly to individuals in the US, Canada, and Europe. However, the book has also been purchased by many libraries, colleges, and herbaria. Here is a sample: Reed College Herbarium, UC Berkeley Herbarium, Berry Botanic Garden, Clatsop Community College, UO Natural History Museum, University of Idaho, Leach Botanical Garden,



In the years since initial publication of the Henderson book, I have learned more about Henderson and found some wonderful new images associated with his life. The photo here is probably the last picture of Henderson in the field. It was taken in July 1933 at Hart Mountain, by 24-year-old Lincoln Constance. Henderson was just two months short of his 80th birthday. The auto is young Constance's old Chevrolet; Henderson did not drive a car. The photo is from the Constance family collection courtesy of Barbara Ertter of the University of California, Berkeley. To see a list of the hundreds of taxa collected by Henderson and Constance at Hart Mountain in 1933, visit the OSU Herbarium Vascular plant database. Designate: Henderson/Lake County/1933. The site is: <http://ocid.nacse.org/cgi-bin/qml/herbarium/plants/vherb.qml>

Willamette University, Mt. Hood Community College, City of Tacoma Library, Central Oregon Community College, Southern Oregon University, Lane Community College, Idaho Native Plant Society, Latah County (ID) Library, Missouri Botanical Garden, University of Oregon, Oregon Historical Society, Santa Barbara Botanic Garden, University of Washington, Hunt Institute, NY Botanic Garden, Hood River Public Library, OSU Library, Bloedel Reserve, Portland Garden Club, Blue Mt. Community College, Mt. Rainier National Park, Strybing Arboretum, Crater Lake National Park, Washington State Library, Eugene Public Library, UO Science Library.

NPSO thanks its loyal members who continue to purchase the book and help sell and promote it. At this time of celebration of the bicentennial of Lewis and Clark, interest in historic western plant collectors—especially those who worked along the Columbia River—is growing ever stronger. Some of these intrepid explorers were David Douglas, Thomas Nuttall, Thomas Jefferson Howell, W. N. Suxsdorf, and of course L. F. Henderson. Thus we can expect sales to continue through the coming years. Early in 2004 we hope to print 50 additional copies, again with minor updates. A comprehensive bibliography and index are also now available on request.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____
 Address _____
 City _____ State _____ Zip+4 _____
 Phone _____ E-Mail _____
 Chapter (if known) _____

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.*

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

Address _____
 City _____ State _____ Zip+4 _____

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	\$ _____

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

Send completed form and full remittance to:
Clayton Gautier, NPSO Membership Chair
 3927 Shasta View St.
 Eugene, OR 97405-4442

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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 EMERALD (Eugene) Position vacantcontact John Koenig; 541-343-0707
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 WILLAMETTE VALLEY (Salem) Position vacantcontact Karl Anderson; 503-315-7329
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