



# Bulletin

of the

# Native Plant Society of Oregon

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

VOLUME 33, No. 10

OCTOBER 2000

## Meeting Report: Botany 2000 "New Frontiers in Botany"

Portland Oregon, August 6-10, 2000. Joint meeting of the Botanical Society of America, American Bryological & Lichenological Society, American Fern Society, American Society of Plant Taxonomists and International Association of Plant Taxonomists.

By Gail Baker, Rhoda Love, both from Emerald Chapter and Esther McEvoy, Corvallis Chapter.

**W**hat are the New Frontiers in Botany? About 900 scientists of all kinds, from all over the world, met in Portland this summer to discuss and learn about the latest developments in plant science and related fields. The venues for exchange of information included workshops & field trips, poster presentations, symposia and contributed paper sessions. There was also an arena of vendor booths where publishers and other exhibitors were selling all manner of botany books, software and botani-

cal paraphernalia. This was a place we could all spend lots of money!! There was clearly something for everyone including lay botany enthusiasts.

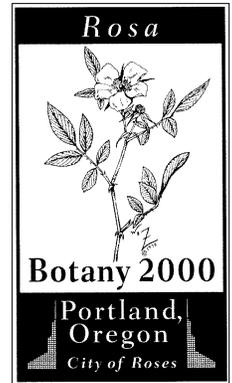
As you might suspect the new frontiers are explorations of genetic and molecular information and how the data contributes to our understanding of relationships in the plant kingdom including ecological interactions. Phylogenetic "trees" based on DNA sequences were a staple part of many presentations. Even though progress is being made by using phylogenetic trees in solving taxonomic problems, Peter Crane of the Royal Botanic Gardens of Kew commented on the great importance of using data from fossil plants to understanding large scale patterns of plant evolution. In addition Douglas Schemske of the University of Washington feels that many of the fundamental questions in evolutionary biology still remain unanswered today and that the greatest progress was made 50 years ago by Grant, Stebbins and the Carnegie group, there is a great need to rebuild the links between ecology and genetics.

There is still excitement about extant plants with ancestral angiosperm features, especially *Amborella trichopoda* a New Caledonian shrub. Botanists are studying the endosperm development and vascular system structures of

*Amborella*. Both the origin of endosperm tissue and vascular system characteristics have been used to distinguish angiosperms from non-flowering plants so understanding these systems in *Amborella* will give more clues about the evolutionary divergence of angiosperms.

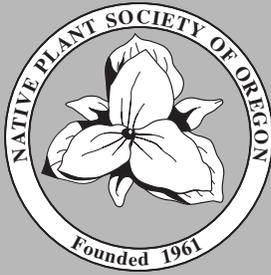
Of particular interest to all levels of botany enthusiasts was a symposium about how botanists could do a better job with public outreach and education and another session about botanical history. The symposium "Scientific Outreach for the Next Millennium" featured science journalists Richard Hill of the *Oregonian* and William Dietrich of the *Seattle Times* (and author of *The Final Forest: the battle for the last great tress of the Pacific Northwest*) as well as scientists who work with educational organizations such as botanic gardens and arboreta. The NPSO should be proud that our public programs and field trips are exactly what many of the speakers encouraged and that these serve to prevent what James Wandersee, Louisiana State University, called "plant blindness." Interestingly, one of the surveys he did showed that the general public

*continued on page 110*



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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### Email Discussion List Login

<http://www.telelists.com/cgi-bin/lyris.pl?enter+nps>

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tion are those of the authors of the  
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opinions of the Native Plant Society  
of Oregon, unless so stated.

## WELCOME NEW MEMBERS

6/12/2000 to 8/19/2000

### Cheahmill

Marna & Robert Porath

### Corvallis

Ruth B. MacFarlane

### Emerald

Neil Bjorklund  
Alan Butler  
Richard Haller  
Linda Kelley  
Barbro McCree  
Erin Osborne  
Susan Smith  
Helen Strassel

### High Desert

Jody Roff

### Klamath Basin

Chuck Edson

### North Coast

Betty Langdon

### Portland

Merri Martz  
Jeremy O'Leary

### Siskiyou

Debra Anker  
H. S. Choi  
Suzi Given  
Laurel Reuben

### Willamette Valley

Sally & Lee McFarland

### William Cusick

Marya Nowakowski



AARON LISTON

*Mentzelia laevicaulis* (Loasaceae) "Blazing star *Mentzelia*", a biennial or short-lived perennial of dry rocky slopes is distributed throughout the desert valleys and low mountains of western North America. The scented flowers open at night. Native Americans made a flour of the seeds. Photographed by Aaron Liston at West Branch Creek, Wheeler County, Oregon.

## State

### October 14, Saturday

**Board Meeting:** 10:00 am. Room 206 in the Physical Education building at Lane Community College, Eugene. Directions: Take LCC/30th Ave. Exit from I-5, and go west on 30th Ave., straight through light at Eldon Schafer Drive, and continue to next LCC exit off 30th (Gonyea Road). Exit to right, and follow Gonyea Road in to west edge of campus to West Parking Lot. Go in main foot entrance on the east side of the lot, which goes up steps by a fountain. The Physical Education building will be the second building on your left (north). See LCC map at <http://www.lanec.edu/instdv/lanema.p1.htm>.

## Blue Mountain

For information on the the Blue Mountain chapter call Jerry Baker at 541-566-3381

## Cheahmill

### September 28, Thursday

**Meeting: Adaptive Genetic Variation in Big Deervetch** is the title of a slide talk by Dale Darris, Conservation Agronomist for the Natural Resources Conservation Service. Dale conducts his research at the NRCS Plant Materials Center on the OSU campus at Corvallis. This study is being conducted in cooperation with the USFS and BLM. Big Deervetch (*Lotus crassifolius*) is an important, long-lived, native legume found on disturbed areas, roadsides, and droughty south slopes. It has an extremely deep tap root and as the name implies, has apparent wildlife forage value. The study involves germination studies, a greenhouse emergence study, and outplanting/evaluation of two large common gardens on the Siuslaw and Willamette National Forests. 7:00 pm, Carnegie Room, McMinnville Public Library.

### October 14, Saturday

**Field Trip: Larch Mountain.** Last chance for Huckleberries and fall colors before the snow flies. We will see what is still blooming. This area is typical of lowland Willamette Valley plants transitioning into mountain plants. The site is heavily forested with Silver and Noble Fir along with False Huckleberry, Pacific Rhododendron and Mountain Ash. Typical of this mid-elevation site, 4000', are Beargrass, False Lily-of-the-Valley, and Twin Flower. This is NOT a long hiking trip. We may walk less than a mile during the 2-hour trip. It is just a short walk from woodland plants to mountain plants that enjoy the rocky ledge of the observation platform with great views of the Cascades, weather permitting. We will see *Penstemon rupicola*, *P. cardwellii*, *Saxifraga caespitosa*, *Erigeron howellii* (Howell's Daisy), and others. Trip Leaders: Chuck and Patti Buffett. The field trip will begin at 10:00 am. Because of the lateness in the season and a minimum of 4 participants, you must call the trip leaders to register and to see if the trip will run. Call Chuck and Patti for more information at 503-474-1386.

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### October 21, Saturday

**Field Trip: South Beach State Park.** Last chance to enjoy coastal plants before it begins to rain horizontally. We will see plants typical of coastal dunes, European Beach Grass and American Dune Grass along with Beach peas, *Armeria maritima*, Beach Morning-glory, and many others. Also we will see a good example of a coastal deflation plain. If we are lucky, we may see blooming 2 orchids, *Spiranthes roman-zoffiana* and *Habenaria greenei*. Trip Leaders: Chuck and Patti Buffett. The field trip will begin at 10:00 am. Because of the lateness in the season, severe stormy, and a minimum of 4 participants, you must call the trip leaders to register and to see if the trip will run. Call Chuck and Patti for more information at (503) 474-1386.

### October 26, Thursday

**Meeting: the BLM's Area of Critical Environmental Concern (ACEC) program.** Warren Tausch, Forester with the Bureau of Land Management's Tillamook Field Office will present a talk on the BLM's Area of Critical Environmental Concern (ACEC) program. Warren has held a number of resource positions with the BLM and is currently Staff Administrator in the Tillamook Field Office. His presentation will include a short history of the BLM's special areas programs, and the current management direction for special areas (ACECs and RNAs) on the Salem District. He will also cover the location and description of the various special management areas on the

### 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. 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.

Tillamook Resource Area, provide a brief history of the research conducted on these areas, and indicate what habitat management projects are proposed for the future. 7:00 pm, Carnegie Room, McMinnville Public Library.

## Corvallis

### October 9, Monday

**Meeting: Diversity in the Mushroom Genus Amanita Across America** a talk and slide show by Paul Hammond. Meet at 7:30 pm at the Avery House in Avery Park, Corvallis. Parking is in the park area south of Avery House. For more information contact Esther McEvoy at 541-754-0893.

### November 13, Monday

**Meeting: A floristic survey of Bruno Mire in the Central Cascade Range, Oregon** a talk by Dick Halse at 7:30 pm at the Avery House, Avery Park, Corvallis. For more information contact Esther McEvoy at 541-754-0893

### December 11, Monday

**Holiday Dessert Potluck and Slide Show** at 7:30 pm at the Avery House, Avery Park. Bring a dessert and about 20 slides to share. For more information contact Esther McEvoy at 541-754-0893.

## Emerald

### September 25, Monday

**Meeting: Diversity in the Mushroom Genus Amanita Across North America**, presented by OSU researcher Paul Hammond. Paul will be including his findings about the fungi's symbiotic host trees. 7:30 pm, Room 117, Science Building, LCC main campus. Directions: Construction continues at LCC, so come a little early to find your way. We'll still be meeting in the original Science building, which has just been remodeled and is on the southeast corner of LCC. Best place to park is probably on the east side of campus, near the south end of Eldon Schafer Drive (turn at the stop light on 30th Ave.). Just south of that parking area is a lighted walkway along the north side of the Science trailers, which goes right to the Science building.

### October 23, Monday

**Meeting: Rare and Endangered Plants of Lane County.** 7:30 p.m., Room 117, Science Building, LCC main campus. 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's a Charter Emerald member, Chair of our R & E Committee, and just participated in the biennial ONHP review of state listed species. Directions: See September meeting.

### November 27, Monday

**Meeting: Forests of Lilliput: Local Mosses and Lichens.** 7:30 pm, Room 117, Science Building, LCC main campus. Nature photographer Dave Stone of Touchstone Photography and environmental educator Peggy Robinson (Emerald's field trip chair) take us for a pictorial hike into this tiny, beautiful world. Directions: See Sept. meeting.

## High Desert

### October 24, Tuesday

**Meeting: Annual Members Slide Show.** 7:30 pm at the Environmental Center, 16 NW Kansas, Bend. Bring 15 of your favorite slides from summer trips and share them with the chapter. We will plan the winter meetings.

## Klamath Basin

For information on the Klamath Basin Chapter, call David Lebo at 541-883-8393.

## Mid-Columbia.

### October 4, Wednesday

**Meeting: Starting a Native Plant Nursery.** 7:30 pm at the Discovery Center theatre, first The Dalles exit on I-84 heading east, and follow signs. Sandy Ott helped to create a Native Plant Nursery on the Umatilla reservation near Pendleton, and will tell us about it.

### November 1, Wednesday

**Meeting: Plants and Indians of the Inter-mountain West.** 7:30 pm at the Columbia Gorge Discovery Center theatre, first The Dalles exit on I-84 heading east, and follow signs. We are delighted to welcome Lucile Housley, BLM botanist in S.E. Oregon and expert in ethnobotany, who will give us a slide presentation on the Great Basin tribes' use of plants in their everyday life.



*Blue butterfly on Pearly Everlasting, Anaphalis margaritacea*

TANYA HARVEY

## North Coast

for information on the North Coast Chapter call Vivian Starbuck at 503-377-4141.

## Portland

for information on the Portland Chapter call Dee White at 503-775-2909.

## Siskiyou

**October 19, Thursday**

**Meeting: Flying Flowers and the Flora They Depend On**, a butterfly talk by Erik Runquist, 7:30 pm in Room 171 of the SOU Science Building in Ashland. For more info contact Molly Sullivan, 541-552-9908.

## Umpqua Valley

**October 12, Thursday**

**Meeting: Presentation on Oak communities and their management.** County Courthouse Annex, Roseburg 7:00 pm. Call Richard Sommer at 541-673-3709 for more information.

**October 14, Saturday**

**Field Trip: North Bank Habitat Management Area to view oak communities** and discuss BLM management plans. Meet at the BLM parking lot, 777 NW Garden Valley Blvd, Roseburg at 8:00 am. Call Russ Holmes at 541-672-4635 for more information.

## Willamette Valley

**October 16, Monday**

**Meeting: Bonesteel Park, a Community Effort to Restore Native Willamette Valley Upland Prairie.** 7:00 pm in Room 225 at the United Methodist Church, 600 State St. NE in Salem. This program will be presented by Keli Kuykendall of Corvallis.

## William Cusick

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

## NPSO Items for Sale

**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. Chapter treasurers may contact Stu for wholesale prices to chapters.

**NPSO's Original Wildflower Poster** depicts 13 Oregon wildflowers in a striking artist's rendition. Soon to be a collector's item. Available from Stephanie Schulz, 84603 Bristow Rd., Pleasant Hill, OR 97455, \$5 each, plus \$3 per order for shipping. Posters are mailed in tubes.

**NPSO Membership Directory** lists names, addresses, phone numbers and e-mail addresses of NPSO members (April 1999). Available from Jan Dobak, 2584 Savier St., Portland, OR 97210.



## Friends of the Oregon Flora Project

We are pleased to have recently been awarded a \$2000 grant from the Jackson Foundation. These funds are to complete the checklist of the monocots other than the grasses. However, we requested \$5000 as the amount necessary to accomplish this work. Can YOU please make a contribution to raise the balance needed to produce this major part of the Checklist? As soon as the work is completed, it will be published as a booklet and available upon request. It will also demonstrate to the Jackson Foundation trustees the enthusiastic support we receive from our sponsor, the Native Plant Society of Oregon, and its members.

The Friends committee resumed its monthly meetings in September after a summer hiatus. We focus on developing fundraising strategies and spreading the word about the Oregon Flora Project. Two notable projects we're working on are a slide presentation and a series of workshops to be offered in 2000-2001. If you have ideas or talents you would like to share, please contact Linda Hardison at (541) 745-5770, or at the Friends address. Your input will be heartily welcomed!

*Please make checks payable to:*  
Native Plant Society of Oregon

*and mail to:*  
Friends of the Oregon Flora Project  
P. O. Box 402  
Corvallis, OR 97339-0402

### Mount Pisgah Arboretum

**Saturday, October 7, 10 am-noon**

**Fall Fruits & Foliage Walk** with botanist Judith Manning. Enjoy the fall colors and learn about seed dispersal and fruit identification. Meet at Mt. Pisgah Arboretum Visitor Center, Buford Park. Suggested donation: \$3 (MPA members free).

**Saturday, October 14, 1-4 pm**

**Butterfly Gardening Workshop**, taught by Linda McMahan from Berry Botanical Garden of Portland. Examine the vital connection between butterflies and their host plants (especially Monarchs and Milkweeds). Slide show/discussion on appropriate plantings and guided Arboretum walk included. Pre-registration required; call 541-747-1504. Fee: \$15 (\$12 MPA members).

**Wednesday, October 18, 2-4 pm**

**Elder Walk** (a new program just for seniors). Led by nature guide Vernon Barkhurst, focusing on fall ecology at the Arboretum; refreshments afterward. This month's walk is the first of a quarterly series co-sponsored by Oasis and LTD. Suggested donation: \$4. Please call 541-747-1504 to pre-register.

**Sunday, October 22, 1-3 pm**

**Dried Flower Centerpiece Workshop** with Ken Gillespie, Florist, at his shop on 5th Street in Eugene. A benefit for the Arboretum's Education Program. Learn how to fill a basket (bring your own if you prefer) with a seasonal arrangement of Oregon's best dried plants. These make great gifts, too! Materials provided—bring your own clippers. Pre-registration required; call 541-747-1504. Fee: \$30.

**Sunday, October 29, 10 am-4 pm**

**Mt. Pisgah Arboretum Annual Mushroom Show & Plant Sale.** Huge educational mushroom display, plants, food, music, expert mushroom identification, guided walks, scarecrow contest, children's activities. Cosponsored by the Cascade Mycological Society. Suggested donation: \$3 per person, \$6 per family for nonmembers. Call 541-747-3817 for more information.

### Leach Botanical Garden

**Harvest Auction**

**Friday, October 6, 5:30-9:30 pm,  
Auction at 7:00 pm**

Tickets for this fundraiser are \$50 and include a new membership in the garden, music, refreshments, and a chance to bid on some delightful items selected around a gardening theme. Call 503-761-9503 for tickets.

**Pine Needle Basket Class**

**October 7 & 14, 9:30 am-Noon**

Join Gerry Russell for this two-session class. Materials are provided for a small basket, but bring a small pair of scissors. Fee: \$20 members, \$25 nonmembers. PRE-REGISTRATION and PRE-PAY required. Call 503-761-9503.

### Berry Botanic Garden

For more information about registration, other classes or membership contact Berry at 503-636-4112, or check out their web site at [www.berry-bot.org](http://www.berry-bot.org).

**Fall Botanist Explorer**

**9/27, Oaks Bottoms Wildlife Refuge**

**10/4, Forrest Park**

**10/11, Tualatin Hills Nature Center**

Join Botanist and Naturalist Carolyn Devine in her exploration of nearby green spaces. Hone observation skills (you'll get acquainted with keys and guidebooks), practice documenting your observations, and become acquainted with nearby natural landscapes. Among other things this fall, we'll focus on all those fruits: capsules, cones, berries, and achenes.

Carolyn Devine, Wednesdays:

10:00 am-12 Noon \$8/(\$5 members) for each class. Limit: 10

**Fall Plant Sale**

**Sunday, October 1, 10 am-4 pm**

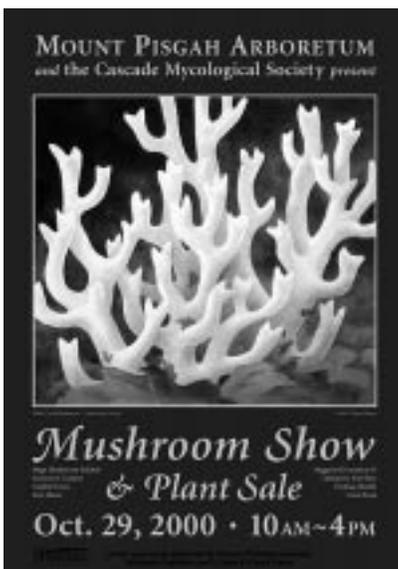
Cedar Hills Recreation Center, Beaverton, SW corner of Cedar Hills Blvd. and Park Way. Many native plants, non-natives, species rhododendrons and 15 other specialty nurseries.

**Native Plant Workshop**

**Saturday, October 7, 10 am-3 pm**

In this all-day workshop, explore the role that native Pacific Northwest plants occupy in garden lore, landscape design and the hearts of gardeners. Pot up and take home loads of starts from Berry's native plant collection. Learn techniques to acquire seeds and cuttings from the wild and the garden in order to maintain a wide selection of native landscaped habitats. A delicious lunch will be provided in the visitor's center.

Linda McMahan & Berry Garden Staff, \$38 (Members \$35) Limit: 15



# Upcoming Botany Classes at the Jepson Herbarium in Berkeley, CA

The Jepson Herbarium, a Natural History Museum on the UC Berkeley campus, offers a series of workshops on Botanical and Ecological subjects. The classes are designed to accommodate botanical enthusiasts ranging from beginners to specialists. Below is a list of the courses being offered during the 2000-2001 season. All classes are in California unless otherwise noted.

For more information please call Staci Markos or Betsy Ringrose at 510-643-7008 or e-mail [smarkos@socrates.berkeley.edu](mailto:smarkos@socrates.berkeley.edu)

## Basic Botany I: Introduction to the Plant Kingdom

October 14-15, 2000 and October 21, 2000

John McMurray

Location: Life Sciences Building and Botanic Garden, UC Berkeley

## Aquatic Plants

October 28-29, 2000

Barbara Ertter

Location: Life Sciences Building, UC Berkeley

## Mushrooms

December 8-10, 2000

Teresa Sholars

Location: Albion Biological Field Station, Albion

## Basics of Botanical Illustration

March 10-11, 2001

Linda Ann Vorobik

Location: Life Science Building and Botanic Garden, UC Berkeley

## Bryophytes

March 17-18, 2001

Brent D. Mishler

Location: Life Sciences Building, UC Berkeley

## Basic Botany II: Fifty Plant Families in the Field

March 31-April 1 and April 7-8, 2001

Linda and Richard Beidleman

Location: Field Regions in the greater Bay Area

## Flora of San Diego County

April 5-8, 2001

Michael G. Simpson

Location: Localities in San Diego County

## Medicinal Plants of the World

April 21-22, 2001

Thomas J. Carlson

Location: Life Sciences Building and Botanic Garden, UC Berkeley and Tilden Regional Park

## Plants and Plant Communities of Point Reyes

April 21-22, 2001

Robert Ornduff and Bruce G. Baldwin

## Flora of Camp Roberts

April 27-29, 2001

Elizabeth Painter and Margriet Wetherwax

Location: Camp Roberts

## Poaceae

May 5-6, 2001

Travis Columbus and Gordon Leppig

Location: Life Sciences Building, UC Berkeley

## Hidden Botanical Treasures of the East Bay

May 19-20, 2001

Brad Olson

Location: Alameda and Contra Costa counties

## Pollination Ecology of Spring Wildflowers

June 1-3, 2001

Gordon Frankie and Robbin Thorp

Co-sponsored with the Essig Museum of Entomology

Location: UC Hastings Reserve, Carmel Valley

## Plants of Modoc County

June 8-10, 2001

Gary D. Schoolcraft and Michael P. Dolan

Location: Modoc county

## Flora of the Southern Sierra

June 14-17, 2001

Jim Shevock

Location: Southern Sierra Nevada

## Seaweeds

June 22-24, 2001

Paul Silva and Richard L. Moe

Location: USC Wrigley Marine Science Center, Catalina Island

## California Coastal Dune Ecology and Restoration

June 29 - July 1, 2001

Andrea Pickart

Location: Humboldt county

## Flora of the Northern Siskiyou Mountains

July 5-8, 2001

Ron Kelley and Margriet Wetherwax

Location: Jackson county, Oregon

## Eriogonum: A Weekend of Woolly Knees

July 20-22, 2001

James Reveal

Location: San Francisco State Field Campus, Yuba Pass

## White Mountain Flora

July 26-29, 2001

Jim Morefield

Location: Bishop & Crooked Creek, White Mountain Research Stations

## Carex

August 3-5, 2001

Daniel H. Norris

Location: San Francisco State Field Campus, Yuba Pass

## Compositae (Asteraceae, Daisy Family): Especially Tarweeds

August 25-26, 2001

Bruce G. Baldwin and John L. Strother

Location: Life Sciences Building, UC Berkeley

## Montane Pteridophytes and Angiosperms of Ecuador

August 2001, 10 days

Alan Smith and Grady Webster

# 1999-2000: A Year of Great Accomplishment!

by Bruce Newhouse, President

While preparing a list of NPSO's accomplishments this past year for the annual meeting banquet, I was surprised when I saw all of them listed in one place! We are a very active bunch of native plant lovers. Here is what we have been up to in the last year:

- Oregon Flora Project support from NPSO is up again this year, to \$8,000, and our Friends of the Flora committee is in full swing fundraising
- New *Bulletin* design
- New mailing committee
- One *Kalmiopsis* at the printer and another almost queued up
- New threatened and endangered species listings
- New web page in the works
- New policies being developed:
  - landscaping and restoration with native species
  - non-timber forest products
  - sheets and forms for field trip leaders and participants to urge preparedness and clarify liability
- Our 25-year-old by-laws are being reviewed with help of an attorney
- A second intern program added: we now have programs with ODA and the Institute for Applied Ecology
- The North Coast Chapter has recently reactivated!
- Conservation committee activism has contributed to:
  - hopeful future protection for Steens Mountain and the Alvord Desert
  - withdrawal of NUCORE plans to mine Rough and Ready, one of Oregon's most rich botanical areas
  - formation of the Soda Mountain National Monument

- Board members have participated on the Oregon Oak Communities Working Group
- The first NPSO occasional paper was printed: *The Atlas of Oregon Carex*. About 500 have been sold, as far away as Italy. Next Paper will be a Crater Lake Flora, a biography of Henderson, or a Mary's Peak Flora.
- A new, updated brochure has been completed.

I'd like to personally thank several members of the state board, who not only volunteer to be on the board, but frequently go the extra mile because they appreciate Oregon's flora so much, and because they recognize the ability of NPSO to work for its protection:

- Mike McKeag for overhauling our accounting system.
- Rhoda Love for keeping me on my toes, and for being an efficient and thoughtful secretary.
- Eric Wold for volunteering to fill the vacant Treasurer's position, and then immediately upgrading our book-keeping system.
- Dave and Jan Dobak, who always provide strong support and consultation whenever there are major problems to work out; they personally take on large tasks to keep things advancing.
- Dan Luoma, who, with some helpers, keeps our several grant programs running flawlessly, and coordinates our annual budget each year.
- Stu Garrett and Steve Jessup, for ongoing coordination of eastside and westside conservation activities. (Stu has just stepped down after many years, and is now replaced by Susan Geer.)
- Jerry Igo, who produced a video about NPSO and is working on one about all the plants Lewis and Clark

saw along their journey, and has secured Keith Chamberlain's slide collection for NPSO, among other items as Education Committee Chair.

- Tanya Harvey for not only doing a great job as new editor of our *Bulletin*, but giving it a tasteful and professionally-executed new look.
- Rick Momsen for heading up a new mailing committee for the *Bulletin*.
- Michael Hartman for recently taking on the project of revamping of our web site!
- And lastly, a heartfelt thanks to all the current board state and chapter board members, who are all committed to NPSO and Oregon's native flora. They all seem to be able and happy to contribute a little extra when the need arises.

I am very grateful to have been elected to a second term as NPSO President, and will do my best to keep this list of accomplishments growing. Please drop me a letter or an e-mail if you have feedback or ideas.

As Oregon faces increased population and development pressure, NPSO will be taxed to try to protect our remaining fragments of native vegetation. If you have some time to dedicate to NPSO, contact your local chapter President and volunteer as a chapter board or committee member. NPSO can use your help.

I'm looking forward to another great year working for Oregon's native flora with you!

# Highlights from the Annual Meeting 2000 at Malheur!

by Bruce Newhouse, President

Stu Garrett and his helpers in the High Desert Chapter organized a fantastic annual meeting for NPSO at the Malheur Field Station on June 23-25. NPSO thanks those dedicated volunteers who pull together and organize such events—they are a lot of work!

Our meeting began this year with a presentation by Barbara Ertter entitled “Floristic Surprises in North America” comparing flora of Iraq with flora of our Great Basin. The audience was very interested to learn that several of our well-known weeds come from that area, and many plants from genera we know well in the Great Basin also occur in Iraq. Barbara has a great presentation manner, and although this is a potentially “dry” topic for some, her humorous and plainly-spoken delivery made the experience accessible to both lay and professional botanists in the audience.

In July of 1999, a record snowpack resulted in rescheduling 5 high-elevation field trips a week before the annual meeting at McKenzie Pass. This year, the weather clearly was in our favor! We had wonderful field trips on Saturday, and the early snowmelt on top of Steens Mountain resulted in a great wildflower explosion just in time for the meeting. It proved to be an excellent time for NPSOers to try out their new copy of Don Mansfield’s *Steens Mountain*. Three different field trip groups got to enjoy the top, while other groups visited old growth ponderosa pine to the north, Borax Lake in the Alvord, and other prime southeast Oregon spots. Brief summaries of all field trips were given at the annual membership meeting Saturday night after dinner.

The meeting began with the President recapping all of NPSO’s successes over the last year and thanking many individuals (see President’s column previous page). Then, the NPSO fellows awards were presented by Veva Stansell on behalf of the Fellows Committee to two members who have made out-

standing contributions to NPSO. This year, they were awarded to Karl Urban (posthumously) and Frank Lang. Elaine Urban accepted the framed plaque honoring her late husband, and Joan Seevers accepted the plaque for Frank Lang who could not attend. The new Fellows will be featured in a future *Kalmiopsis* publication. Elaine and Frank also received life memberships as part of the award.

Outgoing at-large board members Ben Fawver and Steve Jessup were thanked at the meeting, and returning member Dan Luoma, and new members Karl Anderson and Danna Lytjen were sworn in. All officers were re-elected this year, including President Bruce Newhouse, Vice-President Mike McKeag, Secretary Rhoda Love, and Treasurer Eric Wold (who had previously stepped in to fill the vacant position before being elected). NPSO by-laws allow for two consecutive board positions.

Barbara Ertter gave a second outstanding presentation on recent botanical discoveries in the West. Normally, an invited speaker provides a single show. Barbara outdid herself, and gave us two great presentations! She received rave reviews on this second show as well.

Sunday morning, the board met for its quarterly meeting, and in addition to regular business, the following items were discussed.

Three field research grants were awarded this year, as reported by the Grants Committee:

1. Contributions toward a comprehensive flora of the Coyote Lake area, Malheur County, Holly Nielsen - \$750
2. Effects of the biocontrol agent *Tyria jacobaea* (Cinnabar moth) on native *Senecio* spp., Jason Fuller - \$750. (Awarded the Leighton Ho Memorial Field Botany Award.)
3. Correlation of floral specializations in *Pedicularis densiflora* with pollinators and environment, Anna Wiese - \$750.

In addition, the Siskiyou, High Desert and Corvallis chapters funded additional grant applicants. The board also voted to enter into a Challenge Cost Share with match from the BLM and from the Fish and Wildlife Foundation: Development of a sampling methodology for serpentine wetlands to locate populations of five ONHP List 1 Species., Linda Mazzu - \$750.

The board allocated up to \$1000 for a consultant to re-do our web page, which is not functioning at the present time.

There was good news from our Eastside Conservation Chair: a new volunteer has stepped forward to take over from Stu Garrett: Susan Geer. And on the West Side, the board approved Steven Jessup’s request to sign as a co-sponsor of the Siskiyou Wild Rivers National Monument.

Thanks again to our friends in the High Desert Chapter for hosting an excellent annual meeting!



Little Blitzen Gorge from the top of Steens Mountain

TANYA HARVEY

## Botany 2000

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identified Martha Stewart as a source of botanical information. At the Public Outreach Lecture, one evening, William Dietrich spoke again. His presentation "Habitat of Hope: Our Northwest in the 21st Century" showcased the exceptional beauty and diversity of the northwest and the conservation challenges facing our region. We were all delighted that a journalist was so well versed on these issues and uses his communication expertise to spread the message.

An historical session titled "Botany in the Age of Mendel: A symposium in honor of the centennial of the rediscovery of Mendel, and the 50th year anniversary of publication of G.L. Stebbins' *Variation and Evolution of Plants*" was organized by Betty Smocovitis, University of Florida. In this section, papers highlighted the contributions of E.B. Babcock, G. Ledyard Stebbins and Barbara McClintock. Lee Kass from Cornell University gave an excellent paper on Barbara McClintock, who although today is considered a geneticist was classified as a botanist in her biographical sketch in the biographical dictionary: *American Men in Science*, 1944. Barbara McClintock's undergraduate and graduate education as a "botanist" led to her great accomplishments in the discovery of moveable genetic elements, known as "jumping genes" which she detected in maize. She received the Nobel Prize in 1984 based on these studies.



Scott Sundberg of OSU discusses the Oregon Flora Project poster with Steven Brunsfeld of the University of Idaho.

Oregon botanists were well represented. Aaron Liston of OSU presented a paper (with 2 co-authors), on a region of suspected "pseudogenes" in the nuclear ribosomal DNA of *Pinus* which may have implications for phylogenetic analysis of this large and variable genus. He specifically discussed difficulties in analyzing evolutionary sequences in subsection *Cembroides*, the group which includes the pinyon and bristlecone pines. More work may be needed to determine if the loss of seed wings in this group occurred once or more than once in evolution.

Steven Jessup of Southern Oregon University, discussed phycobiont fidelity in the arctic-alpine foliose lichens of the genus *Umbilicaria*. The algal symbiont in this group belongs to the genus *Trebouxia*. His work indicates that there has been coevolution between the two symbionts. Earlier investigations depended on morphological examination of the alga for identification, but it seems clear that DNA analysis will be needed to determine the precise evolutionary relationships between the fungus and its photosynthetic partner.

Dick Halse of OSU presented 8 years of floristic data on Bruno Mire in the central Cascade Range. The largest family representations were the Cyperaceae, Poaceae, Asteraceae, Rosaceae, and Ericaceae. Bryophytes were represented by 38 families. There are a variety of habitats within Bruno Mire which account for its great floristic diversity which exceeds that of Torrey Lake Mire and Crater Sphagnum Bog in central and southern Oregon Cascades.

Scott Sundberg, of OSU, Oregon Flora Project Coordinator, presented a handsome and impressive, 3-panel poster crammed with information on the new Flora of Oregon. The display was both colorful and informative. The left panel explained the need for a new flora for our state; the middle panel displayed the new mapping technologies that are being used in the Oregon Vascular Plant Atlas; and the right panel highlighted the unique and diverse flora of Oregon. Scott was on hand to answer visitor questions and distribute flyers.



RHODA LOVE

The Wind River Canopy Crane. l. to r.: Betty Smocovitis of the University of Florida and Esther McEvoy of Corvallis Chapter NPSO.

As an exciting flourish to the end of the conference the three of us joined a field trip to the Wind River Canopy Crane Facility located in the Gifford Pinchot National Forest. The crane was erected in 1995, is the first of its kind in North America and one of only 8 in the world. After donning safety harnesses and hard hats we were hoisted 200 feet into the old growth forest canopy and smoothly glided around the tree tops while our knowledgeable guide explained the variety of research projects enabled by the crane. The technology is opening up one of the last great biotic frontiers. Looking straight down into the canopy was a beautiful and new experience for all of us. To learn more about the crane, look at this web site <http://depts.washington.edu/wrcrpf/>

Professional meetings are excellent forums for learning about current scientific findings, and more and more Societies are trying to make at least parts of the meeting accessible to the general public. The Botanical Society of America web site URL is [www.botany.org](http://www.botany.org). From this home page you can link to resources for all levels of botanical interests.

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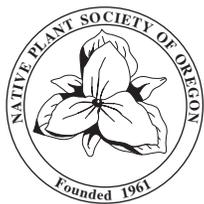
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## Fellows Awards And Nominations

At the Year 2000 Annual Meeting of the NPSO Dr. Frank Lang and the late Karl Urban were awarded the highest honor of our Society, that of "Fellow of the Native Plant Society of Oregon". Their considerable contributions to the goals of NPSO, particularly in the fields of education and conservation, are much appreciated by all of us.

The Fellows Committee is now prepared to receive nominations for the year 2001. Nominations may be made by Chapters, individual members or the State Board under the following guidelines:

Nominees will be members who have given outstanding service to the Native Plant Society of Oregon. They may have been instrumental in establishing the State Organization or a Chapter, or produced distinguished editorial contributions, or served as an in-

spirational teacher of botany. They may have in other ways contributed valuable work relating to native plants or to the goals of the Native Plant Society of Oregon.

The nominating group or person should prepare a formal letter of nomination for consideration by the NPSO Fellows Committee. The letter should include detailed biographical and background information about the nominee. A photo of the nominee suitable for an article in *Kalmiopsis* should be provided by the nominator.

After review of the nominating letter, the Committee will make a recommendation to the State Board if the nomination is approved. Acceptance as Fellows will be by vote of the Board of Directors at a State Board Meeting. Fellows will receive a framed plaque and a life membership in Native Plant

Society of Oregon, and will be featured in a *Kalmiopsis* article.

The NPSO Fellows Committee asks that letters of nomination for the year 2001 be sent by December 1, 2000, to Veva Stansell, PO Box 6077, Pistol River, OR 97444-1575. If this seems like it's rushing things a bit, the reasoning here is that the Committee will present nominations to the Board of Directors at the January Board Meeting. The wheels of Societies and Committees turn slowly!

Fellows Committee, NPSO:  
Rhoda Love, Shane Latimer, Veva Stansell

For information, please contact Veva Stansell at the above address, telephone 541-247-7153, or e-mail <vstansel@harborside.com>.