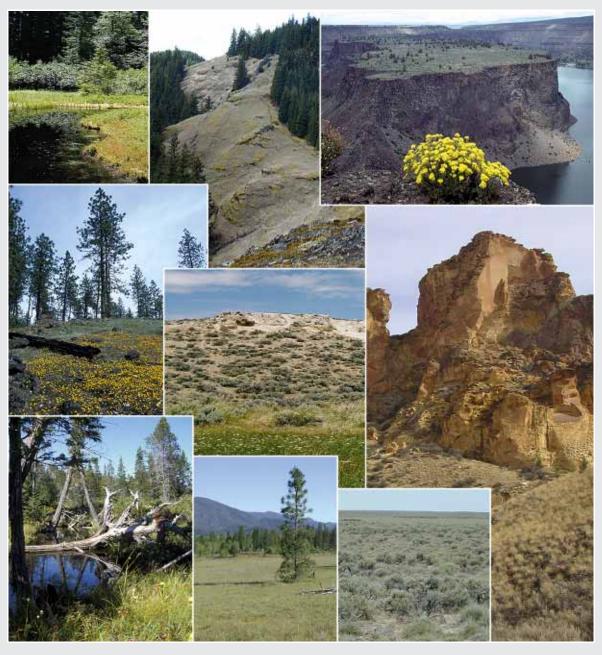


KALMIOPSIS

Journal of the Native Plant Society of Oregon



Oregon Plants, Oregon Places

ISSN 1055-419X Volume 11, 2004

KALMIOPSIS

Journal of the Native Plant Society of Oregon, ©2004

EDITOR

Cindy Roché, PhD

EDITORIAL BOARD

Frank A. Lang, PhD Susan Kephart, PhD Rhoda M. Love, PhD

NPSO WEB PAGE

http://www.NPSOregon.org

EDITORIAL

The Oregon Plants, Oregon Places series, started by Editor Frank Lang in the second issue of Kalmiopsis (1992), has been a popular feature of our journal. Here, in our first theme issue of Kalmiopsis, botanists from each of the nine Bureau of Land Management districts in the state give us a sampling of the botanical diversity throughout Oregon. Four articles from eastern Oregon tell us about sagebrush steppe and Juniper bunchgrass habitats, including rare endemics on ash deposits (Leslie Gulch, Guano Creek/Sink Lakes), a natural playa system (Foster Flat), and an ungrazed plateau (The Island). In western Oregon, two articles unveil the mysteries of fens (White Rock Fen, Hunter Creek). Three areas protect serpentine-influenced habitats (Hunter Creek, French Flat, and Beatty Creek). Rock outcrops at Beatty Creek and Horse Rock Ridge support a variety of species adapted to drought where precipitation is plentiful. On behalf of NPSO, I thank the BLM botanists who, in addition to working to protect our botanical heritage on public land, wrote the articles: Joan Seevers, Jean Findley, Lucile Housley, Nora Taylor, Ron Halvorson, Barbara Raible, Nancy Brian, Mark Mousseaux, Susan Carter, and Doug Goldenberg. I hope to be fortunate enough to visit every one of these ACECs in the coming years.

MEMBERSHIP

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

Membership applications, renewals, and changes of address (include old address and zip code) should be sent to the NPSO Membership Chair, Clayton Gautier, 3927 Shasta View St., Eugene OR 97405-4442.

Student \$12; Regular \$18; Family \$24;

Sustaining \$50; Patron \$100; Life Member \$500

Subscription Only (Bulletin and Kalmiopsis) \$18

CONTACT INFORMATION

KALMIOPSIS EDITOR: Cindy Roché, 109 Meadow View Dr., Phoenix, OR 97535, crupinaqueen@charter.net Bulletin Editor: Tanya Harvey, 40237 Reuben Leigh Rd., Lowell, OR 97452-9712, bulletin@NPSOregon.org Membership Chair: Clayton Gautier, 3927 Shasta View St., Eugene, OR 97405-4442, membership@NPSOregon.org Webmaster: Michael Hartman, 1918 Fircrest Dr., Eugene, OR 97403, webmaster@NPSOregon.org Email Discussion List Login: See NPSO web page, select subscribe to list under membership.

Web Page: http://www.NPSOregon.org



COVER PHOTOS: Oregon Plants, Oregon Places

Clockwise from upper left corner: White Rock Fen (Barbara Raible), Horse Rock Ridge (Cheshire Mayrsohn), The Island (Ron Halvorson), Leslie Gulch (Bob Alward), Foster Flat (Nora Taylor), French Flat (Tom Kaye), Hunter Creek Bog (Veva Stansell), Beatty Creek (Russ Holmes), and in center, Guano Creek/Sink Lakes (Lucile Housley).

NATIVE PLANT SOCIETY OF OREGON

STATE OFFICERS	
Directors (to 6/04) Elai	ne Plaisance, Veva Stansell,
	Clayton Gautier
Directors (to 6/05) N	Iike McKeag, Dan Luoma,
	Charlene Simpson
President	Bruce Newhouse
Immediate Past President	Michael Igo
Vice President	Rhoda Love
Secretary	Kelli Van Norman
Treasurer	Candice Guth
STATE COMMITTEE CHAIRS	
Education	Jerry Igo
Conservation, East Side	vacant
Conservation, West Side	Darlene Southworth
Legislative	vacant
Membership	Clayton Gautier
Budgets and Grants	

CHAPTER PRESIDENTS

Blue Mountain (Pendleton)	Jerry Baker
Снеанміц	
Corvallis	John Syring
Emerald (Eugene)	Dave Predeek
HIGH DESERT (BEND)	Reid Schuller
Klamath Basin	Sarah Malaby
MID-COLUMBIA	Jerry Igo
North Coast	Janet Stahl
PORTLAND	Mandy Tu
Siskiyou	Chris Van Schaack
Umpqua Valley (Roseburg)	Ted Schattenkerk
WILLAMETTE VALLEY (SALEM)	John Savage
WmCusick (LaGrande)	Frazier Nichol
PUBLICATIONS	

Bulletin Editor	Tanya Harvey
Kalmiopsis Editor	Cindy Roché

NOTICE TO CONTRIBUTORS

Members of the Native Plant Society of Oregon and others are invited to submit articles, book reviews, artwork, and photographs for publication in Kalmiopsis. All materials submitted should pertain

to Oregon's native vegetation and flora. Acceptance will be based on suitability (articles dealing with formal nomenclatural proposals or of a highly technical nature are not acceptable). Kalmiopsis publishes two series articles: Plant of the Year, and Oregon Plants, Oregon Places. Articles about botanical history in Oregon and other features related to native plants or plant communities in Oregon are also sought.

Please consider that the readers of *Kalmiopsis* are people with varied educational backgrounds and all

articles must be comprehensible to a broad, but relatively well educated, audience. The goals of Kalmiopsis are to disserninate correct information about and generate interest in native plants, thus each article is reviewed by the editorial board and selected technical reviewers before publication.

Contributors of articles should submit one hard copy of a doublespaced manuscript accompanied by an electronic copy of the file (PC in Word, or a Text or Rich Text Format file; indicate the name of the

> program and version in the accompanying cover letter). Computer facilities are available for use at libraries and printing or word-processing businesses. Please do not submit text material without electronic copy.

Contributions without accompanying manuscripts, including artwork and photographs are welcome; color submissions must be suitable for publication in grayscale.

Send all submissions to the Kalmiopsis editor, or e-mail the Kalmiopsis editor to request an electronic submission. (Specific instructions for submission of

photographs, figures, and tables will be sent to contributors upon request, or after the proposal for an article has been accepted.) More complete instructions are also available on the NPSO website.

Please feel free to contact the Kalmiopsis editor for further information, or to inquire if an article is suitable for publication in this journal.

ACKNOWLEDGMENTS

This special theme issue of Kalmiopsis was supported financially by a grant from the US Department of Interior Bureau of Land Management. KALMIOPSIS LOGO: Linda Ann Vorobik (VorobikBotanicalArt.com)

> KALMIOPSIS PHOTOS: Robert Korfhage PAGESETTING: Fassler Graphics, Ashland PRINTING: CDS Publications, Medford

TABLE OF CONTENTS

Introduction: Oregon Plants, Oregon Places By Joan Seevers	1
Leslie Gulch By Jean Findley	3
Guano Creek/Sink Lakes	10
By Lucile Housley	
Foster Flat	17
The Island	23
White Rock Fen	30
Hunter Creek	36
French Flat By Mark Mousseaux	46
Beatty Creek	54
Horse Rock Ridge By Douglas Goldenberg	63
Book Reviews	71



~ Native Plant Society of Oregon ~

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



Kalmiopsis Native Plant Society of Oregon Clayton Gautier, Membership Chair 3927 Shasta View St Eugene OR 97405-4442 NONPROFIT ORG
US POSTAGE
PAID
MEDFORD OR
Permit No. 101