



KALMIOPSIS

Journal of the Native Plant Society of Oregon



Yellow Cat's Ear (*Calochortus monophyllus*)

KALMIOPSIS

Journal of the Native Plant Society of Oregon, ©2008

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

Long-time readers of *Kalmiopsis* will notice that this is the second appearance of *Calochortus monophyllus* on the cover. The first time was in 1993, shortly after Frank Callahan discovered it on Grizzly Peak. After leading field trips and diligently cataloging the plants of Grizzly Peak for eleven years, Jim Duncan is the local expert for our Oregon Plants and Places feature. For the Plant of the Year, Frank Lang helped me uncover the mysteries surrounding green-flowered wild ginger (*Asarum wagneri*), which was named for Dr. Warren (Herb) Wagner who, in his long career as professor of botany at the University of Michigan, influenced many students. Herb Wagner's discoveries of *Botrychium* in the Wallowa Mountains are described in the article on fern diversity in the Wallowa Mountains (explained A to Z) by Ed Alverson and Peter Zika. These two have devoted many weeks to exploring this rugged terrain of northeastern Oregon, and describe how the substrates are keys to habitat. The Plant Hunters article tells the story of Thomas Jefferson Howell, who without education, financial backing, or academic resources, wrote the first flora of the Pacific Northwest, an admirable feat of perseverance. Proving that botanical discoveries are still possible, Frank Callahan shares the story of Hinds walnut, a native tree visible from Interstate 5 that, to date, has not been recognized in Oregon by a published flora. I'm pleased to present each of these worthy articles in *Kalmiopsis*, and want to encourage NPSO members to contribute articles from all parts of Oregon for future issues.



Flower of *Asarum wagneri* on July 3, 2001, at the north end of Lake of the Woods near where Peck collected the type specimen. Photo by Bob Vos.

CONTACT INFORMATION

KALMIOPSIS EDITOR: Cindy Roché, P.O. Box 808, Talent, OR 97540-0808, kalmiopsis@NPSOregon.org
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: Norm Jensen, webmaster@NPSOregon.org
EMAIL DISCUSSION LIST LOGIN: See NPSO web page, select subscribe to list under membership.
WEB PAGE: <http://www.NPSOregon.org>

The opinions expressed by the authors do not necessarily reflect those of the Native Plant Society of Oregon.

Cover Photo: Yellow cat's ear (*Calochortus monophyllus*) on Grizzly Peak. Photo by Bob Vos, June 2000.

NATIVE PLANT SOCIETY OF OREGON

STATE OFFICERS

DIRECTORS (TO 6/08)	Les Gottlieb, Ron Hatt, Frances Stilwell
DIRECTORS (TO 6/09)	Lori Kayes, Esther McEvoy, Dave Predeek
PRESIDENT	David Lebo
IMMEDIATE PAST PRESIDENT	Kelli Van Norman
VICE PRESIDENT	Dan Luoma
SECRETARY	Harold Zald
TREASURER	Cyndi Dion

STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS	Dan Luoma
CONSERVATION, EAST SIDE	vacant
CONSERVATION, WEST SIDE	Al Johnson
FRIENDS OF OR FLORA PROJECT	Linda Hardison
LEGISLATIVE	Les Helgeson
MEMBERSHIP	Clayton Gautier
RARE & ENDANGERED PLANTS	Les Gottlieb

CHAPTER PRESIDENTS

BLUE MOUNTAIN (PENDLETON)	Jerry Baker
CHEAHMILL	Marna Porath
CORVALLIS	Matt Blakeley-Smith
EMERALD (EUGENE)	Brian Basor
HIGH DESERT (BEND)	Eileen Obermiller
KLAMATH BASIN	Sarah Malaby
MID-COLUMBIA	Hanna Metzger (sec.)
NORTH COAST	Janet Stahl
PORTLAND	Dee White
SISKIYOU	Armand Rebischke
UMPQUA VALLEY (ROSEBURG)	Sam Friedman
WILLAMETTE VALLEY (SALEM)	John Savage
WMCUSICK (LAGRANDE)	Sandy Roth

PUBLICATIONS

BULLETIN EDITOR	Tanya Harvey
KALMIOPSIS EDITOR	Cindy Roché
WEBMASTER	Norm Jensen

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*. We also publish articles about botanical history and features related to native plants or plant communities in Oregon.

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 disseminate correct information about and generate interest in native plants, thus each article is reviewed by the editorial board and selected technical reviewers before publication.

Contributions of artwork and photographs without accompanying manuscripts are welcome; color submissions must be suitable for publication in grayscale. Contact the *Kalmiopsis* editor to request a copy of Instructions to Authors, or to inquire about the suitability of an idea for an article.



Populations of *Asarum caudatum* with pale greenish flowers have been confused with green-flowered wild ginger. Photo by Bob Vos

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

ACKNOWLEDGEMENTS

KALMIOPSIS LOGO: Linda Ann Vorobik (VorobikBotanicalArt.com)
PAGESETTING: Fassler Graphics, Ashland
PRINTING: CDS Publications, Medford

TABLE OF CONTENTS

Oregon Plants, Oregon Places: Grizzly Peak, Jackson County, Oregon 1
By Jim Duncan

Plant of the Year: Green-flowered Wild Ginger (*Asarum wagneri*) 15
By Cindy Talbott Roché and Frank A. Lang

Ferns and Friends in the Willowa Mountains, Oregon 21
By Edward R. Alverson and Peter Zika

Thomas Jefferson Howell and the First Pacific Northwest Flora 32
By Robert Ornduff

Hinds Walnut (*Juglans hindsii*) in Oregon 42
By Frank Callahan

Book Reviews 53



~ Native Plant Society of Oregon ~

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



a member of Earth Share
OF OREGON

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