

Bulletin of the Native Plant Society of Oregon

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

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It's Renewal Time

The NPSO membership year is January to December.

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

State News

Jan. 28, Sat.

State Board Meeting: 10 A.M. in Eugene, at Lane Community College. Directions: From I-5, just south of Eugene, exit to L.C.C. and 30th Ave. If northbound, turn left on 30th, southbound turn right. Go 1/4 mi. to Eldon Shafer Blvd., turn left, go up hill past parking lot and building, turn right into lot above building. Go downstairs to south side of building, and enter room 109.

June 16-18
Fri.-Sun.

Annual Meeting: Hosted by the Portland Chapter at Brightwood, near Mt. Hood. Fri. evening: a short program. Sat.: Field trips and annual banquet. Sun.: State Board meeting. Lodging: on your own in motels and campgrounds. Registration forms, field trip details and a list of motels and campgrounds will be in March Bulletin.

Chapter News

Blue Mountain

Jan. 9, Mon.

Meeting: 7 P.M. Small Business Development Center, SE 1st & Dorian, Pendleton. Katherine Skirvin will present a program on the plants of Magoon Lake.

Corvallis

Jan. 9, Mon.

Meeting: 7:30 P.M., in room 2087, Cordley Hall, OSU campus. Wes Messinger presents "Thirty degrees north latitude: winter botany at the U.S. southern boundary."

Emerald

- Jan. 14, Sat. **Field Trip:** 11 A.M. to 1 P.M. Winter twigs at Mt. Pisgah Arboretum, with Dr. Rhoda Love, trip leader. Meet at the Arboretum visitors' center. A small donation to the Arboretum (\$3 is suggested) is expected. Participants will be provided with a winter twig key. Take hand lens, pocket knife and sack lunch. Questions? Call Rhoda at 345-6241.
- Jan. 23, Mon. **Meeting:** 7 P.M. at Morse Ranch Park. Directions from downtown Eugene: Take Willamette St. south to Crest Dr. (right through "Y" for Donald, between 32nd and 33rd Aves. E). Go right (W) on Crest 4 blocks, turn right into Morse Ranch parking lot. Sedges have edges...Barbara Wilson, *Carex* Queen, will give a 3-part talk with slides: *Carex* 101; the role of *carex* in the Willamette Valley prairie; and the role of the *Carex* Working Group in the Pacific Northwest.

High Desert

- Jan. 24, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Reid Schuller will present a program on the national parks of Australia.
- Feb. 28, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. The fire history of the Metolius and Black Butte area will be presented by Dr. Robert Sherman.
- March 28, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW. Kansas, Bend. Slide show night. Bring your favorites to show fellow members.
- April 25, Tues. **Meeting:** 7 P.M. Central Oregon Environmental Center, 16 NW Kansas, Bend. Linda Rexroat, Range Ecologist, The Nature Conservancy, will discuss restoration ecology at Sycan Marsh.

Mid-Columbia

- Jan. 4, Wed. **Meeting:** 7:30 P.M. Mosier School. Jerry Igo presents a new video, four years in the making, on the fruits of northwestern shrubs and herbs, mostly edible. "Berried Treasure" is its title.
- Feb. 1, Wed. **Meeting:** 7:30 P.M. at the Mosier School. Sally Claggett, a botanist with the Gifford Pinchot, will talk about "Likin' Lichens."

North Coast

- Jan. 14, Sat. **Field Trip:** Winter botany at Kilchis Park, led by Dave Wells. Hike through old growth along river. Moderate hiking along sometimes steep, slippery trail. Take hand lens. Meet at Tillamook PUD, 10 A.M., or Kilchis Park, 10:30 A.M. Call Jim Winslow, 842-4131, for information.
- Jan. 31, Tues. **Meeting:** 7 P.M. at Nehalem Bay Center of TBCC, room 5, 36155 9th St., Nehalem. Review of Chapter's slide programs on native plants, and landscaping with native plants. Call Christine Stanley, 436-0161, for information.

Portland

- Jan. 10, Tues. **Meeting:** 7 P.M., First Methodist Church, 1838 SW Jefferson St., Portland. Russ

Jolley will give us a short introduction to the lichens. Following this members will show ten slides of their choice. The meeting room opens at 6:30 for socializing.

Jan. 24, Tues. **Field Trip Planning:** Meet at Elizabeth and John King's, 3320 SW 100th Ave., Portland. Call 292-6539 for directions. Take trail guides, trip descriptions, plant lists, forest maps and 1995 calendar. If you like to go on field trips, please come. Even if you don't want to be a leader, we need your input. You needn't have memorized Hitchcock or Jolley to lead. We want plenty of beginner trips too.

Course: The Portland Chapter will team up with Leach Botanical Gardens to offer a course on **native plant propagation and landscaping.** We will enlist the help of landscape architects, nursery owners, and native plant gardeners, many of whom were founders of Cascadia, a native plant landscape association. The course will meet three Saturday mornings at Leach, and several days TBA for urban field trips. Cost of the course is \$7.50 per indoor session for NPSO and LBG members, \$10 for non-members, OR \$20 for members, \$25 non-members for the course. Considering the quality of the instructors, this is a real bargain. Topics below are quite preliminary and subject to change. A final syllabus will be available at the January meeting. Register by calling Leach, at 761-9503.

Sat. Jan. 21, 9 A.M. to Noon. Leach Botanical Gardens, 6704 SE 122nd.

Site preparation, soils, design.

Sat. Feb. 4, 9 A.M. to Noon. Leach Botanical Gardens. Plant selection/propagation, communities, succession, germinating seeds, making divisions, starting cuttings.

Sat. Feb. 11, 9 A.M. to Noon. Leach Botanical Gardens.

Water, irrigation, ponds, streams, wetlands.

Fri., Sat, Sun. Feb. 24-26. PSU. National Wildlife Society Conference: "Home Is Where the Habitat Is." Several conference workshops will tie in with our study sessions.

Sun. March 26, 9 A.M. to 5 P.M. Field trip to Clackamas Community College landscapes and Bosky Dell led by Richard Marx. Meet at ODOT, NE 60th and Glisan. Take lunch, rain gear and warm clothes.

Other course-related field trips will be scheduled for February and March. This course is intended to tie in with the efforts of other local groups promoting native plants in the urban area, such as Metro Parks and Greenspaces, City of Portland, Friends of Forest Park, Portland Audubon Society, Urban Streams Council, The Wetlands Conservancy, Friends of the Trees and No Ivy League. A discussion of how we can pool efforts to reclaim more urban habitat for native plants will be part of the course.

Siskiyou

Jan. 19, Thurs. **Meeting:** 7:30 P.M., room 171, Science Building, SOSC, Ashland. "The Botany of Tropic Baja," by Peter Zika.

South Coast

Call Paul Bakke, 439-7234, for information on activities.

Umpqua Valley

Jan. 12, Thurs. **Meeting:** 7 P.M., room 310, Douglas County Courthouse. Jerry Mires and Ted Schattenkerk, from BLM, will present a program on the Dunning Ranch exchange, plans for the ranch and its plants and animals. Call Ted Schattenkerk, 679-6953, for information.

Willamette Valley

Jan. 16, Mon. **Meeting:** 7 P.M., United Methodist Church, 600 State St. NE, Salem. Members are invited to bring their own favorite slides.

Wm. Cusick

Jan. 18, Wed. **Meeting:** 7 P.M. La Grande Forest Sciences Lab., Gekeler and C Aves., La Grande. A workshop to develop the Gangloss Park nature trail. Call Bob Ottersberg, 963-6043, for information.

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.

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. Each group using wilderness areas should be no larger than 12.

Guidelines for Contributors to the Bulletin

NPSO Bulletin published monthly as a service to members and the public.
All kinds of contributions welcome. **Copy due by the 10th of the month.**

CREDITS: Identify author and affiliation. If not original cite source and date.

ILLUSTRATIONS: Line drawings, prints and high contrast black-and-white prints are useable. Some McIntosh graphics can be used. Contact editor for our current needs, or send illustrations with article.

BOTANICAL NOMENCLATURE: Follow "Flora of the Pacific Northwest" by Hitchcock, or "The Jepson Manual" where appropriate.

FORMAT: Submissions can be in any form, but at present editor prefers hard copy. Use of a modem is not possible at this time. Editor follows "The Associated Press Stylebook."

For further details consult editor.

ORIGINALS: Submissions are not returned, unless requested.

President's Column

First of all, I hope everybody had a safe and happy holiday season. Now we can look forward to the upcoming year. A major concern for members of native plant societies is the Re-authorization of Endangered Species Act in Congress. There is already talk of "watering" the law down, and as our illustrious Senator Packwood exclaimed, "...consider the possibility that a species will disappear." During a time when biodiversity is decreasing at an alarming rate, this kind of mentality is scary. It is incomprehensible that any species should become extinct through human negligence.

Coincidentally, the Northwest Regional Office of the Endangered Species Coalition is sponsoring a regional conference in Seattle at the Mountaineers Club, on January 21 and 22. NPSO is helping to co-sponsor the workshop and I encourage interested members to attend. (See accompanying article for more information.)

Oregon's Department of Agriculture is proposing changes and additions to the Oregon Administrative Rules for the conservation of threatened and endangered plant species in the state. The deadline for comments has passed, but public meetings will soon be held, and I encourage NPSO members to attend. If you would like information on the rules, let me know and I will get you a copy.

I attended a meeting in November at the ONRC, to discuss the possibility of bringing up the mining initiative again in 1996. The group felt that some more funding to get some television time would be beneficial to the campaign. I expressed the hope that NPSO would help support the measure.

Again, I want to remind members of the symposium on Oregon's native flora, to be held at the LaSells Stewart Center in Corvallis, on November 15-17, 1995.

Let us hope for a great flower year, and in the next few weeks my crocuses should be flowering.

Bruce Rittenhouse
NPSO President

Endangered Species Workshop

The newly formed Northwest Regional Office of the Endangered Species Coalition, along with the Mountaineers, Washington Audubon and others (including the Native Plant Society of Oregon) is co-hosting a conference titled "Re-authorizing the ESA -- Mobilizing for Action," at the Mountaineers Club in Seattle (300 3rd Ave. W, near the Space Needle) on January 21 and 22. The Endangered Species Coalition is an alliance of over 145 organizations dedicated to strengthening the ESA.

At this conference, local, state and national environmental leaders will facilitate workshops on the nuts and bolts of the ESA, current legislation to amend the Act, "takings," and countering the rhetoric of the "wise-use movement," as well as holding training sessions on the skills of grassroots organizing, lobbying and media outreach.

NPSO is co-sponsoring this conference, and the fee to attend is \$30. If you have any questions or are interested in attending, call Becky Dinwoodie at 206-623-2734.

Bruce Rittenhouse

[See the article on this subject in the December, 1994 Bulletin -- Ed.]

Environmental Lobby Days

The Oregon Conservation Network, which includes NPSO in its ranks, will be holding three LOBBY DAYS in Salem during the 1995 session. Please mark the dates on your calendar, and arrange to get off work and to carpool, so you can be there. We will need a lot of voices, so we can hold onto the legislation we have that protects our native plant habitats. The dates are February 14 and April 24, 10 A.M. to 4 P.M. There will be briefings, before the legislative visits, at the First Methodist Church, Church and State Streets, Salem. The third date will be set later in the session.

Mary Vogel
Portland Chapter
503-645-1992

Summer Intern Reports

Following is the third in a series of five articles in which NPSO conservation biology interns discuss their activities during the 1994 field season. Interns were selected from a pool of about 30 applicants, and worked with scientists from the Oregon Department of Agriculture/OSU Plant Conservation Biology Program in carrying out research related to threatened and endangered species in the northwest. Project locations ranged from Hell's Canyon to vacant lots in Klamath Falls, and for one participant included a molecular systematics laboratory at OSU. Interns were jointly funded by NPSO, state, and federal dollars and plan to use their experiences in furthering their careers in botany. Thanks again to NPSO for contributing to botanical education.

Bob Meinke
Program Leader

Down by the Seashore: The Pink Sandverbena

Chances are most of you have not had the good fortune of seeing our native coastal pink sandverbena, *Abronia umbellata* ssp. *breviflora*. I spent a good part of the summer crawling on my hands and knees getting to know this plant intimately as an intern with the Oregon Department of Agriculture (ODA) and the Native Plant Society of Oregon. During my internship, I became familiar with the propagation, restoration and monitoring techniques used by ODA botanists in studying this plant.

Abronia umbellata hugs the sand's surface, sending out long shoots which develop beautiful umbrella-shaped clusters of pink flowers. A member of the four o'clock family (*Nyctaginaceae*), pink sandverbena is the less common of the two coastal *Abronia* that grow on Oregon's beaches. Since the introduction of European beach grass (*Ammophila arenaria*), the role of which was to stabilize dunes, *A. umbellata* has been declining and is now listed as a state endangered species. At present, there are three known populations remaining in Oregon.

The largest population is located at Port Orford, where the Army Corps of Engineers and ODA have worked together on efforts to re-introduce

Abronia. In 1992 the Corps deposited dredged harbor sand on the beach, as part of their continuing efforts at keeping Port Orford's channel free for shipping. ODA arranged for this load of sand to be put to good use, directing the Corps to place the material on a pre-arranged plot, thereby smothering the encroaching European beach grass. The ODA subsequently began experimental work that focussed on the biology of pink sandverbena, including attempts to establish a new population on the open expanse of harbor sand.

My experience with this native beauty began in Port Orford in June, 1994. On arriving at the beach site, I was amazed at how well the experimental population started in 1992 was faring. My eyes were dazzled by the pink islands of vegetation surrounded on all sides by dense beach grass. At each plot we gathered data on plant size and number of seedlings. After completing demographic data collection at the Port, we headed to a beach south of Humbug Mountain where plants had been established by the ODA the previous year. Unfortunately, burial by sand had wiped out the majority of these transplants. Those that survived sported two to three leaves, but something had been snacking on them.

After experiencing a little disappointment, we headed to a site on the same stretch of beach which is leased by The Nature Conservancy (TNC). As the wind howled and blasted us with sand, we pulled the exotic beach grass that was locally dominant and piled it away from the site. Our task then was to transplant a few dozen greenhouse-propagated *Abronia* seedlings and water deeply. Before leaving, I encouraged the plants with a few inspiring words in the hope of helping them settle into their new homes and COLONIZE!

On our way back to Corvallis we made one more stop at a Bureau of Land Management (BLM) transplant site near Fourmile Creek. Fortunately, this location was free from European beach grass and full of botanical mysteries. Here I identified my first coastal phacelia (*Phacelia argentea*), globe gilia (*Gilia capitata* ssp. *capitata*) and beach evening primrose (*Camissonia cheiranthifolia*). This site was different from the others in that it was about a mile inland and more botanically diverse. We carefully selected six plot locations, transplanted the seedlings, and then watered.

We returned to these sites in the middle of August. One of the best things about this plant is its

habitat; nothing could be finer than working on the coast for a few weeks. The weather was incredible, with light winds and sunshine from sunup to sundown. Unfortunately for the transplants, very little rain had fallen since June. The hundreds of seedlings that had been present at the Port Orford location were now down to a handful. Thankfully, the established plants continued to bloom and produced seed throughout the summer. We were disappointed on revisiting the TNC and BLM sites; transplant mortality was approximately 50 percent.

Tom Kaye, an ODA botanist, led the last expedition of my internship. Arrangements were made to re-introduce pink sandverbena at several natural sites from Coos Bay to Tillamook. By mid-morning Monday, the cargo van was packed full of the remaining greenhouse seedlings and we headed west to the seashore. The next morning we met Estella Morgan of the BLM who took us on the ride of my life. In order to get to the North Spit of Coos Bay, a few miles of sand dune driving was necessary. With our precious cargo tucked tightly into a 4-WD Blazer, we spun, bounced, slid, wobbled and hung on. Within the hour we arrived safely at an area which recently had been cleared of European beach grass. Living up to its reputation, however, it was resurrecting itself from its persistent rhizomes. I felt great pleasure yanking their snaking roots out of our new plot, but I expect the plant will re-appear, eventually. As I hopped into the cargo van, I felt a sense of leaving a child behind without protection, but also a sense of accomplishment and anticipation.

After picking up a gate key from the sheriff's office, we proceeded into the Bay Ocean Peninsula. The spit can be seen as you pass through Garibaldi, with Tillamook Bay and the ocean creating a peninsula with dynamic topography. Many different microhabitats were found on the spit. After some discussion, we finally chose three sites which differed greatly from one another. Our first was literally on the sea's doorstep, just at the point where the beach grass starts to grow, but not within the grassy clumps. Our second site, further back from the shore, was nestled in hummocks and swales. The final transfer site was surrounded by swales which had created a basin of sorts. During this final day, our energies were expended in hauling 60 pots, and gallons of water. Many questions arose in our minds while we were driving home in the empty van; how will the plants fare, how will they grow, will they succeed? Thinking back over the course of the last few months, I am amazed by how easily we can lose major popula-

tions of organisms and how difficult the task of restoring them can be.

I look forward to monitoring the status of this project. Re-introduction of the pink sandverbena requires cooperation among different organizations and agencies, and most importantly, among people. It proved to me that working together as a team can bring change, not just gridlock. Who knows, maybe some day we can all witness these beautiful pink islands in the sand.

Thanks to all who made this a memorable summer, including Bob Meinke, Jack Greenlee, Tome Kaye, and all the 1994 crew members participating in conservation and restoration projects sponsored by NPSO and ODA.

Crista Chadwick

The Plant Puzzle

Sponsored by the Siskiyou Chapter

Tundra plants often have a world-wide distribution in arctic and alpine areas. For example, *Phleum alpinum*, alpine timothy, is found in Oregon, New Hampshire and Norway. Can you name two more native Oregon plants found in those three places?

Send your guesses on a postcard to:

Peter Zika
4230 NW Clubhouse Pl., #1
Corvallis, Oregon 97330

Joy Mastrogiuseppe, of Moscow, Idaho, was the first to solve the December puzzle, with an answer of *Carex buxbaumii*, *C. californica*, *C. limosa* and *C. livida*.

We Welcome New Members Who Joined From 9/16/94 to 11/20/94

Blue Mountain Birgitta Lamb

Corvallis
Ginger M. Craig
Warren G. Ferris
John Neiger and Kemper Carlsen
Denise Ross

Emerald
Kim Alexander
Geoffrey M. Carter
Carl and Charlotte Collier
Craig Dremann
Mike Kinyon
Bob Lemon
Beverly Pocock
Lynn Rosentrater

High Desert
Audrey N. Hunt
Beth Vining

North Coast
Rebecca Dirschel
Deborah Dyson
Jo Goodman

Portland
Diane Bauer
Doug Beebe
Molly Brady
Randy Dana-Frigault
Steve Hinton
Ann Hughes
Virginia Maffitt
Yukiko Maeda Tanaka

Siskiyou
Audrey Anderson
Nancy Menken
Homer Millard
Linda M. Mullens

Willamette Valley
Kelly Amsberry
Marion M. Bishop
Shannon L. Datwyler
Randi Embree
Angela Lucas

Members at Large

Nancy Cole
Julia Linfoot
Sean O'Grady

Tree Seminar Announced

Dr. Alex L. Shigo, formerly a plant pathologist with the U.S. Forest Service, and now in private practice, and author of "A New Tree Biology" and "Modern Arboriculture," will present a two-day seminar in Vancouver, British Columbia on the basic science of trees and their treatments. Called "Digging Deeper for Better Solutions," the seminar will explain the basic biology and chemistry of the living tree system, including how it is affected by pesticides, herbicides and fertilizers, wood anatomy, how roots work, and how trees are affected by pruning. Practical solutions of the most common problems of growing and maintaining trees will be discussed.

This seminar is intended for arborists, horticulturists, nursery professionals, landscape architects, golf course superintendents, and anyone else interested in trees.

Each day of the seminar may be taken separately. The cost is \$98 per day, or \$176 for both (US); \$134 per day, or \$241 for both (Canadian). The place is the Vancouver Convention Center, and the dates are March 9th and 10th, 1995.

To register, or to get more information, Call John Kirkland, at 503-254-0482, or write to: John Kirkland, Tree Care Educators, 605 SE 70th Ave., Portland, Oregon 97215.

ORV's and Rare Plants

I plan on doing an article for Kalmiopsis on the impacts of off-road vehicles on rare plants in Oregon. If you have information on this issue on either public or private lands in Oregon, please send me the details. I feel this is an important issue, and no one has the "big picture" in our state.

Stu Garrett
1501 NE Medical Center Drive
Bend, Oregon 97701

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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

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____

Address _____

City _____

State _____ ZIP+4 _____

Phone _____

Chapter (if known) _____

Is this a change of address?

If so, please write your **old address** here:

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

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

Full membership is for calendar year, January to December.

() New () Renewal

() Student. \$8

() Regular. \$12

() Family. \$18

() Sustaining. \$30

() Patron. \$100

() Life Membership. \$500

() New "Quarter" Membership. \$3

Only for new members

enrolled during September through December

() Subscription Only (*Bulletin* and *Kalmiopsis*). \$12

*Only for those wishing to subscribe
but not have "membership" status*

CONTRIBUTIONS to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund. \$ _____

Leighton Ho Memorial Field Botany Award Fund. . . \$ _____

Rare and Endangered Plant Fund. \$ _____

Send completed form and full remittance to:

Jan Dobak, NPSO Membership Chair, 2584 NW Savier St., Portland OR 97210-2412.

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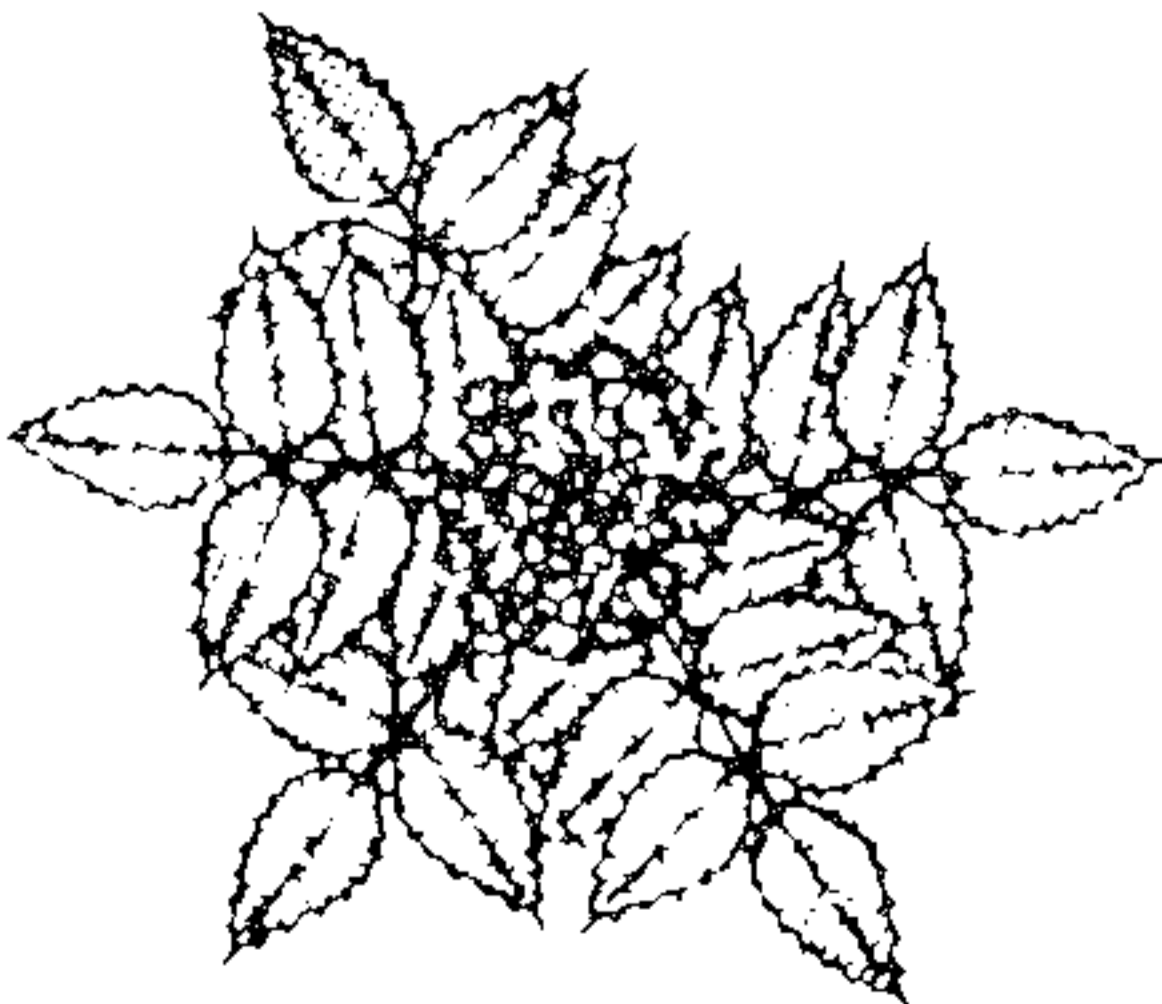
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or correspond directly with the Officers and Committee Chairs listed on the inside back page.
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Send change of address notices
and membership requests to:
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