

Bulletin of the

NATIVE PLANT SOCIETY of OREGON

To increase the knowledge of members and public in identification and conservation of the native plants of the Pacific Northwest

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CHAPTER NEWS

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips will take place rain or shine, so proper dress and footwear are essential. Trips may be strenuous and/or hazardous. Please contact the trip leader for information about difficulty, mileage, and terrain. Your participation is at your own risk. Bring water and lunch.

Blue Mountain

21 Feb., Tues.

Meeting. 7:30 pm at Room 150 Morrow Hall, BMCC. Discussion and scheduling of field trips for the year. Presentation by Karen Antell, EOSC Botanist, on Baja.

21 Mar., Tues.

Meeting. 7:30 pm at Room 150 Morrow Hall, BMCC. Program to be announced.

Corvallis

13 Feb., Mon.

Meeting. 7:30 pm at Rm. 4083 Cordley Hall, OSU, Corvallis. Slide show and talk on "The Marvelous Mariposas," a look at the rare and common species of *Calochortus* in Oregon, by Nancy Fredericks.

Emerald

13 Feb., Mon.

Meeting. 7:45 pm at Amazon Community Center, 2700 Hillyard St., Eugene. Slide show on "A Botanical Excursion through China," by Ed Alverson.

High Desert

For information, contact Joyce Bork (389-5579).

Mid-Columbia

1 Feb., Wed.

Meeting. 7:30 pm at Mosier School. Keith Chamberlain will present his most recent slides, featuring many plants from the Mt. Adams vicinity.

1 Mar., Wed.

Meeting. 7:30 pm at Rainier Bank Building in White Salmon, Washington. First joint meeting of Oregon's Mid-Columbia Chapter and Washington's Suksdorfia Chapter. Program will be "Management of Native Plants and Noxious Weeds in the Columbia River Gorge," presented by Bob Gorman, Klickitat County Weed Control Officer.

North Coast

2 Feb., Thurs.

Meeting. 7 pm at State Office Building, 3600 3rd St., Tillamook.

2 Mar., Thurs.

Meeting. 7 pm at State Office Building, 3600 3rd St., Tillamook.

No field trips in February. For information, contact Clarice Maxwell (842-7023).

Portland

- 4 Feb., Sat. **Workshop.** 10 am at Rm. 204, First United Methodist Church, 1838 SW Jefferson St., Portland. Penstemons and related genera, by Russ Jolley.
- 11 Feb., Sat. **Workshop.** 10 am at Rm. 204, First United Methodist Church, 1838 SW Jefferson St., Portland. Wildflowers and where to find them, by Betty Ferguson.
- 14 Feb., Tues. **Meeting.** 7 pm at First United Methodist Church, 1838 SW Jefferson St., Portland. Slide show of "Oregon's Most Beautiful Wildflowers," by Vance Terrall.
- 18 Feb., Sat. **Potluck luncheon** at Leach Botanical Garden, 6704 SE 122nd Av. (2 blocks south of Foster Rd.). Arrive at 11:30 for a tour of the Garden led by Carroll Dubuar. Luncheon will be served at **12:30** (*not 1:30 as previously announced*). Bring your choice of a hot dish salad, or dessert to serve six. *Please bring your own dishes and silver.* Beverages and rolls will be furnished. Reservations are not necessary but would be appreciated. Call Adelaide Zivic (296-6327) or Elizabeth Handler (244-5320).
- 25 Feb., Sat. **Workshop.** 10 am at Rm. 204, First United Methodist Church, 1838 SW Jefferson St., Portland. Conifers, by George Lewis.
Brown bag lunch. About noon, immediately after the Workshop. Planning for the Flower Show to be held at World Forestry Center May 19, 20, 21.
- 4 Mar., Sat. **Field trip** to Catherine Creek area in Columbia Gorge. Leave at 9 am from the Gateway MAX Park and Ride, or 10 am from Bridge of the Gods. Leader: Charlene Holzwarth (284-3444).
- The following field trips are tentative. Check the March Bulletin for details:*
- 11 Mar., Sat. **Field trip** to McCord Creek, for mosses. Leader: John Davis.
- 18 Mar., Sat. **Field trip** to Mosier area. Leader: Keith Chamberlain.
- 25 Mar., Sat. **Field trip** to Columbia Hills, by a new route east of Klickitat. Leader: Elizabeth Handler.
- 22 Apr., Sat. **Field trip** to Mary's Peak near Corvallis. This is a joint trip with Geological Society, and *signup is required* by April 1. Leader: Charlene Holzwarth (284-3444).

Siskiyou

- 9 Feb., Thurs. **Meeting.** 7:30 pm at Rm. 171, Science Building, SOSC. Presentation on the people and plants of Pohnpei of the eastern Caroline Islands (Micronesia), by Richard Olmo, anthropology and archaeology instructor at SOSC.

Willamette Valley

- 20 Feb., Mon. **Meeting.** 7:30 pm at First United Methodist Church, corner of SE Church and State Sts., Salem (use the Church St. entrance). Discussion on propagating and growing native plants, by Viola Sobolik. Members of the audience will have an opportunity to share their experiences.

Wm. Cusick

- For information, contact Rachel Sines (963-0674).

BLM BOTANY WORK IN EUGENE

The Bureau of Land Management in Eugene is seeking a qualified botanist to survey forestlands for endangered, threatened and sensitive plants. This will be a botanical contract, awarded in early April for work between late April and early July, 1989.

If you like to hike in old Douglas-fir forests, and have a nose for finding rare plants, contact Peter Zika, District Botanist, at (503) 683-6495 in early March, or write him at: Bureau of Land Management, Eugene District Office, P. O. Box 10226, Eugene, Oregon 97440.

IMPORTANT NEW REFERENCE

Curators of most herbaria get interesting/dull/weird/frantic calls or letters requesting information about plants or what to do with Johnny who just ate an unknown leaf. For these, we often need ready references for the not-so-ready answers. One such new reference is Natural Product Medicine by Ara der Marderosian and Lawrence Liberti (ISBN 0-89313-099-0; G. F. Stickley Co., 210 W. Washington Sq., Philadelphia, PA 19106; \$39.00). It has a wealth of information on medicinal plants, dietary compounds, herbal teas, health/natural foods, natural products as cosmetics, poisonous plants, and various natural products. It should be on the shelf next to Medical Botany. -- J. W. Hardin (NCSC)

NPSO 1989 LIST OF CANDIDATES

The Nominating Committee offers the following final list of candidates for officer and Director at Large positions to the NPSO membership. A brief capsule resume is included with each candidate for your consideration. Election ballots will be included in the March Bulletin.

PRESIDENT

Stu Garrett, High Desert Chapter. Stu has been an active NPSO member since 1979. He originally joined the Portland Chapter then cofounded the High Desert Chapter. He has served as President of the High Desert Chapter three times. Stu is vitally interested in Central Oregon conservation issues and is particularly concerned about the protection of endangered species and habitats. He has heightened community awareness through a series of slide presentations on Central Oregon plant geography. Stu has been a family Physician in private practice in Bend for the past 11 years.

VICE PRESIDENT

Elizabeth Handler, Portland Chapter. Elizabeth has been a member of NPSO since it was first established. Over the years she has been active in flower shows, leading field trips, testifying at Congressional hearings, and making numerous public presentations on environmental topics. She is a member of Mazamas Conservation Committee, Sierra Club, ONRC, Friends of the Gorge, Gifford Pinchot Task Force, Oregon Historical Society, Berry Botanic Garden, American Rock Garden Society, and Friends of Leach Garden. She retired from the Portland Bureau of Parks and Recreation in 1983 after 25 years of service.

SECRETARY

Rhoda Love, Emerald Chapter. Rhoda has served as State NPSO President from 1982 to 1984. She was appointed by Gov. Atiyeh to the Natural Heritage Advisory Council in 1986 and reappointed by Gov. Goldschmidt last year. She was also appointed last year to the Department of Agriculture Technical Advisory Committee for the Endangered Species Program. Rhoda works part time as a teacher of Botany at Lane Community College and part time as Administrative Assistant at the Mt. Pisgah Arboretum

TREASURER

Daphne Stone, Emerald Chapter. Daphne is the current NPSO Treasurer and has agreed to serve a second term. Daphne studied epiphyte succession on oak branches at the University of Oregon and

received her doctoral degree in 1986. She has continued her research on lichens since then and enjoys sharing her knowledge of natural history with children of Eugene.

DIRECTORS AT LARGE

Gary Blackburn, Portland Chapter. Gary is an active member of the Portland Chapter and is interested in expanding his service to NPSO. He has served as President of the Home Orchid Society and has been involved in the Extension Service Master Gardener Program. His main environmental concern at present is the amount of Old Growth remaining for research and recreation. Gary works in landscape maintenance and property renovation and holds a B.S. in Business Administration with a minor in Conservation.

Paula Brooks, Portland Chapter. Paula became interested in botany at Lane Community College and earned a B.A. degree in Biology from the University of Oregon. She worked two years conducting rare plant surveys for the Salem BLM. Last year she worked on a wetland ecology project for the Gifford Pinchot and Mt. Hood National Forests. This year she has received a NPSO grant to study rare plants in a coast range wetland. Her special interests include rare plants, wetlands, and plant photography.

Barbara Mumblo, Siskiyou Chapter. Barbara is presently serving as Secretary and Treasurer for the Siskiyou Chapter. She received a B.S. degree in Biology with a major in Botany from Southern Oregon State College. She has worked for the Medford BLM conducting sensitive plant inventories and monitoring. She is presently employed by the Rogue River National Forest as the Sensitive Plant Coordinator for the Applegate District.

Marjorie Willis, Willamette Valley Chapter. Marjorie has served as the NPSO Vice President for the past two years and is interested in continuing her service to NPSO at the state level. She is presently employed as the Natural Resource Planner for Oregon State Parks. In the past she has taught biology, led natural history tours to Central America, served on the Berry Botanic Garden Board, and has done botanical field work for the BLM.

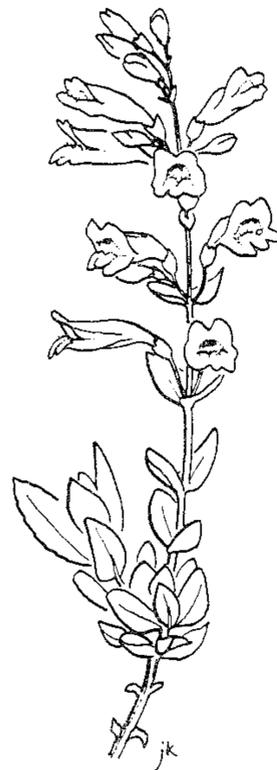
BARRETT'S PENSTEMON RESCUED (?)

Barrett's Penstemon (*Penstemon barrettiae*) is a Columbia Gorge endemic, i.e., it is found only in the Columbia Gorge and vicinity. It has gray-green evergreen foliage and bright purple flowers which bloom in April and May. Barrett's Penstemon is listed by the Oregon Natural Heritage Data Base as "threatened throughout its range".

The Hood River County gravel pit lies along the old Columbia River Highway a few miles east of the city of Hood River. It happens that the cliffs above the gravel pit are home to numerous *Penstemon barrettiae*, many of them small bushes up to three feet across. Each summer, seeds from these plants drift down to a gravel pile which has been undisturbed for several years. Last fall, about 200 penstemon seedlings were counted on the gravel pile, plants ranging from one inch up to about ten inches in diameter, but most around 3 to 4 inches.

A small crisis arose when NPSO member Jerry Igo, who lives in Mosier, learned that this particular gravel pile is scheduled to be removed early in 1989. The seedlings were clearly doomed unless they could be transplanted elsewhere, and soon. But where to plant them?

One possible location, a barren area along I 84, a short distance from the gravel pit, was approved by the Oregon State Highway Department, but was vetoed by the Forest Service. The highway department's district maintenance supervisor, Chet Anderson, then selected a small triangular area at the Mosier interchange (milepost 69) on I 84 and had several truckloads of fine "reject" gravel brought in from the Hood River County gravel pit. The highway department also installed a rock barrier to prevent vehicles from driving over the transplanted seedlings. As of January 3, about 135 penstemon seedlings had been transplanted by Jerry Igo, Russ Jolley, and Julie Kierstead. Some NPSO members who volunteered for this effort were



Penstemon barrettiae
Drawing by Julie Kierstead

not called because of the very unpredictable winter weather, but will be called for the last transplanting session (no date yet).

Of course, there is no way to estimate the expected per cent survival, if any, of the transplanted seedlings. Julie K. has had good success at transplanting nursery stock grown from cuttings, but, in the present case, there was always extensive root damage in removing the seedlings from the gravel pile. We can only hope that some will survive, and give them plenty of water during the coming summer months. Periodic progress reports on this effort will appear in the Bulletin.

-- Russ Jolley, Portland Chapter

THE CANADIAN WILDFLOWER SOCIETY



The Canadian Wildflower Society publishes WILDFLOWER, a beautiful and informative magazine. The overall quality, botanical accuracy and beauty of its drawings and photographs are unsurpassed. The articles support the Society's dedication to the study, conservation and cultivation of North America's native flora. In addition, information is provided on local sources of nursery grown native plants. The Society has an active seed exchange program of native plants that are not found in local nurseries. They sponsor field trips and seminars.

The Society has established close ties with many native plant societies and naturalist organizations across North America and will be playing a leading role in the newly formed Northeastern North American Native Plant Alliance. This alliance brings together many groups who share the common cause of conserving our native plants.

If you would like more information or interested in joining the Canadian Wildflower Society and receiving the WILDFLOWER magazine, write to: Canadian Wildflower Society, 75 Ternhill Crescent

North York, Ontario

Canada M3C 2E4 (Please print name and address carefully)

Membership: \$20.00 individual* (4 issues) \$35.00 (8 issues)
\$25.00 Overseas

* in U.S. dollars for U.S. members

Fanno Meadows Rare Plant Survey

Paula Brooks and Stephanie Schultz have just completed their final report to The Nature Conservancy dealing with their survey of *Anemone oregana* var. *felix* (Oregon anemone) and *Erythronium elegans* (elegant fawn lily) in four Coast Range fens. They received an NPSO grant to map distributions of these sensitive species at Fanno Meadows. The fens are located on a 2800 foot ridge in the middle of Willamette Industries' Gerlach Tree Farm, 30 miles west of Fall City. The Nature Conservancy is about to sign a 10-year lease agreement with Willamette to manage the sensitive species and their wetland habitats.

Paula and Stephanie found the anemone widely distributed in all four of the fens. They discovered two varieties of *A. oregana* var. *felix* and var. *oregana* in the same habitat. After Paula sent specimens to Brian Dutton, the botanist specializing in this group, we realized there was a taxonomic problem. The varieties seem to be very difficult to distinguish. The latest word from him suggests that his revision of the species may downgrade var. *felix* to an ecotype status.

Searching for the elegant fawn lily was more like looking for a needle in a haystack. Less than 300 plants were found in only two of the four meadows. The other wetlands were thoroughly searched, but no plants were found. With only two other populations known for this species, we suggest that this fawn lily remain as a Candidate Threatened or Endangered Species on the Federal Register. The boundaries of the area to be leased from Willamette Industries had to be altered after Paula and Stephanie discovered some fawn lilies outside the original defined border on the edge of the second growth forest.

Thank you NPSO for funding this important project, and thanks to Paula and Stephanie for volunteering their time to search for these two species under some very uncomfortable weather conditions.

-- Berta Youtie, Assistant Land Steward
Oregon Chapter, The Nature Conservancy



Drawing by Stephanie Schultz

DRAFT ADMINISTRATIVE RULES TO BE DISTRIBUTED FOR PUBLIC COMMENT BY STATE ENDANGERED SPECIES PROGRAM

The Endangered Plant Species Program at the Oregon State Department of Agriculture has completed the preliminary draft of the Administrative Rules (OAR'S) specified by Senate Bill 533 (i.e., the Oregon Endangered Species Act). When finalized, these will be the companion statutes to ORS 564.100-564.135, and will be the second and last set of state laws written to direct the study and management of threatened and endangered plant species in Oregon. Included in the Rules will be regulations governing additions to or deletions from the official state list; protection and conservation programs, specifically, what the responsibilities of state land managing agencies will be; and, research and collecting permits and transactions involving listed species. Anyone who has not already expressed interest in reviewing the rules may receive a copy by writing to Administrator, Plant Division, Oregon Department of Agriculture, 635 Capitol Street NE, Salem, OR 97310-0110. Indicate that you would like to comment on the Administrative Rules being prepared for the Endangered and Threatened Plant Species Program. Written reviews should be received by the Department on or before February 24.

Three Days of Ancient Forests

A three-day scientific symposium - "Old Growth Douglas Fir Forests: Wildlife Communities and Habitat Relationships" - scheduled for March 29-31, 1989, in Portland for invited speakers, is being convened by the Pacific Northwest Research Station of the US Forest Service, and is open to all. The purpose of the symposium is to report the results of wildlife and plant community studies conducted from over 200 different-aged Douglas fir forest stands in western Washington, Oregon, and northern California. Many researchers from the National Forest Service, Fish and Wildlife Service, University of Washington, Washington State University, and Oregon State University cooperated in the studies.

For more information on the symposium, contact:
Diana M. Perl, Manager of Continuing Education
College of Forest Resources, AR-10
University of Washington
Seattle, Washington 98195
206-543-0867

WHAT IS A WETLAND?

By Paula Brooks
Portland Chapter

One of the hottest current environmental topics is wetland degradation and destruction. Although most people agree that wetlands need to be preserved, there is great discussion over exactly what constitutes a wetland. Recently, in the controversy between Friends of Walker Flats and McMinville Power and Light, one of the main issues was whether or not the area was a wetland. Currently, there is a proposal to expand Mt. Hood Meadows, and the same question has arisen. Fortunately, our friendly bureaucrats at the Army Corps of Engineers and the U.S. Fish and Wildlife Service have set up objective guidelines that are used to define wetlands. These criteria are used when decisions are needed about particular areas that come under controversy.

The unifying element used to dispel the wetland controversy is water. The underlying factor that decides whether a site is a wetland or not is that the soil must be saturated for at least one week of the growing season. Many wetlands actually dry out considerably during the summer. Consequently, the presence or absence of standing water alone is not sufficient criterion to determine if a place is a wetland or not. Equally important are two other elements: soils and vegetation. Scientists have developed these three criteria to determine objectively whether a site is a wetland or not. These are related to the hydrology of the site (water levels and length of flooding), the soil types present, and the presence or absence of hydrophytic (water-loving) plants. The Army Corps of Engineers requires that all three criteria must be met to consider a site a wetland, while the U.S. Fish and Wildlife Service only requires one.

Hydrology:

Hydrology refers to the amount of water occurring on a site throughout the year. Water is the controlling factor for the type of soils and plants that develop over time. Wetland hydrology means that the ground is saturated or flooded long enough during the year to develop hydric soil, create anaerobic soil conditions (no oxygen in the soil), and support water-loving plants. The hydrology is the most ambiguous criterion of wetland determination, because the site must be observed over time. The key concept here is that the soil is saturated during part of the growing season for the plants.

Hydric soils:

A hydric soil is one that is flooded long enough during the growing season to produce anaerobic conditions. Hydric soils are usually poorly drained and the water table is only one foot or less below the surface for at least one week during the growing season. All soils that contain 50% or greater organic

matter are considered hydric. This includes sphagnum mats and peat soils. Organic matter builds up because the lack of oxygen in the soil prevents decomposition. For mineral soils to be considered hydric, they must be saturated long enough to produce certain characteristic chemical and physical changes.

Hydrophytic vegetation:

The presence or absence of hydrophytic vegetation is the easiest criterion to use for wetland determination (especially for a botanist!). Hydrophytic plants have adapted to the saturated soil and anaerobic conditions present in wetlands. Plants adapt by evolving special morphological characteristics such as floating leaves or thick stems to support the plant in the water. Pond lily (*Nuphar polysepalum*) and bulrushes (*Scirpus*) are good examples of this. Plants also evolve physically or chemically to help them out-compete other upland plants that invade wetlands. For example, sweet gale (*Myrica gale*), can actually transport oxygen from the stems and leaves down through the roots and into the soil. This helps it to more easily extract water and nutrients from the soil.

Plants also adapt by changing their reproductive strategy. For example, certain species produce seeds that will germinate only when exposed to oxygen. This way, when a wetland is in its drier season, seeds germinate under optimal conditions. Other species produce seeds that are adapted to germinate under low oxygen conditions, while still others can actually sprout under water. These types of adaptation give the plants a competitive head start over non-hydric plants.

How do you know if a plant is hydrophytic or not? The U.S. Fish and Wildlife service has created a list of all plants known to be found in wetland habitats. They have classified them into different categories based upon an indicated frequency that the species is found growing in wetland habitats. This list is then used to determine if the majority of the plants growing in a given site are hydric plants. This use of wetland indicator species is the most prevalent and easiest method to determine if a given site is a wetland or not.

Hopefully, this information helps to clarify how bureaucratic decisions are made concerning wetlands. Although it may appear to be fairly obvious, even expert scientists often disagree when it comes to particular situations. Having objective guidelines gives people from different backgrounds the ability to communicate and make decisions using common criteria and definitions.

SOME "NEW" WEEDS IN OREGON

By Peter F. Zika, Emerald Chapter

Over the last year some cultivated species were encountered growing wild in Oregon. The ones not listed in Peck (1961) or Hitchcock & Cronquist (1973) are mentioned below, since they are now part of Oregon's flora. Nomenclature follows Kartesz & Kartesz (1980).

Arum italicum L. (Araceae)

Cuckoo-pint was a weed in several vast cultivated grass fields in Linn Co., in Harrisburg (Zika 10467 ORE) and Halsey (Zika 10469 ORE). It was also a yard weed in Linn Co., surely spread from old introductions, in the Peoria region and on Powerline Road (Zika 10488 OSC). It is quite resistant to repeated mowing, herbicides, and burning, and competes well with vigorous weeds like Dipsacus sylvestris, Allium vineale, and Convolvulus arvensis. R. R. Halse has also collected this species as a weed in the Corvallis area.

Centranthus ruber (L.) DC. (Valerianaceae)

Red Valerian was found escaped from cultivation in downtown Eugene, Lane County. Perhaps 100 flowering stems were growing with Rubus laciniatus and Acer circinatum, through cracks in an asphalt parking lot (Zika 10444 ORE, OSC).

Dimorphotheca sinuata DC. (Asteraceae)

Cape-marigold was found wild in a thicket of Rubus discolor, growing with Lactuca serriola near the north bank of the Salmon River, about one-half mile east of Otis, Lincoln Co. (Zika 10639 ORE).

Hemerocallis minor Mill. (Liliaceae)

Dwarf yellow day lily was growing wild on the shoulder of a remote Forest Service logging road at 2000 feet elev., about 18 miles SE of Eugene, Lane Co. (Zika 10509 ORE). It was growing in partial shade of Pseudotsuga menziesii, with Salix sitchensis and Poa pratensis. There were no signs of an old habitation or of other cultivated plants.

Muscari botryoides (L.) P. Mill. (Liliaceae)

Grape hyacinth was a weed in several locations in West Eugene, Lane Co. It appears to spread readily from planted stock (Zika 10453 ORE). Escaped plants have also been observed ditches on old Highway 101 over Cascade Head, in Lincoln and Tillamook Counties, and at The Nature Conservancy's Camassia Preserve in West Linn, Clackamas Co.

Narcissus X incomparabilis P. Mill. {N. poeticus X pseudonarcissus} (Liliaceae)

Daffodil was an attractive weed in a cultivated field of Poa pratensis on the north side of Harrisburg, Linn Co. The colony, along with Allium vineale, resists annual herbicide and burning treatments to control aliens (Zika 10465 ORE).

Narcissus pseudo-narcissus L.

Daffodil was found in unplowed native prairies in several locations around Eugene, Lane Co., growing with Lomatium bradshawii, Cardamine penduliflora, and Deschampsia cespitosa, or weedier species such as Rubus discolor and Poa pratensis (Zika 10448 OSC; 10449 ORE).

Narcissus tazetta L.

Polyanthus narcissus was a railroad weed in downtown Springfield, growing near a heap of wrecked metal, with Erodium cicutarium, Dipsacus sylvestris, and Conium maculatum (Zika 10463 ORE).

Pyracantha coccinea M. Roem. (Rosaceae)

Fiery or everlasting thorn was seen growing escaped from cultivation in three sites in Eugene, Lane Co. (Zika 10610 ORE).

Viola tricolor L. (Violaceae)

Pansy, or Johnny-jump-up, was a weedy escape from cultivation to a gravelly roadside about three miles east of Leaburg on Rte. 126, Lane Co. (Zika 10475 ORE).

I would appreciate hearing about any other wild colonies of these species in Oregon.

Literature Cited

- Hitchcock, C. L. & A. Cronquist. 1973. Flora of the Pacific Northwest. Univ. of Washington Press, Seattle.
- Kartesz, J. T. & R. Kartesz. 1980. A Synonymized Checklist of the Vascular Flora of the United States, Canada, and Greenland. The Univ. of North Carolina Press, Chapel Hill.
- Peck, M. E. 1961. A Manual of the Higher Plants of Oregon. Second Ed. Binfords & Mort, Portland.

NEW JOURNAL

The National Wildflower Research Center has announced the publication of a new journal, "Wildflower." Its emphasis will be the use of North American native wildflowers in gardening. The journal will aim for in-depth coverage written by leading authorities in botany, horticulture, and conservation, written in layman's language. For more information, contact the Center at 2600 FM 973 North, Austin, TX 78725. Phone (512) 929-3600.

Plant Conservation Resource Book

The Center for Plant Conservation has prepared a resource book on plant conservation. It lists over 500 professionals and agencies engaged in conserving US native plants and summarizes state plant conservation laws. Cost is \$9 each, including postage. Send a check to:

Center for Plant Conservation
125 Arborway
Jamaica Plain, Massachusetts 02130

BOOK REVIEW:
SECRETS OF THE OLD GROWTH FOREST

Review by Joe Hinton, OR Sierra Club

A new book exposing many of the centuries-old secrets of the ancient forests of the Pacific Northwest has been recently published by Peregrine Smith Books. This high-quality volume, Secrets of the Old Growth Forests, was written by David Kelly and illustrated with photographs by Gary Braasch. Both men are Oregonians who love and understand our forests, and both are artists as well as fine craftsmen.

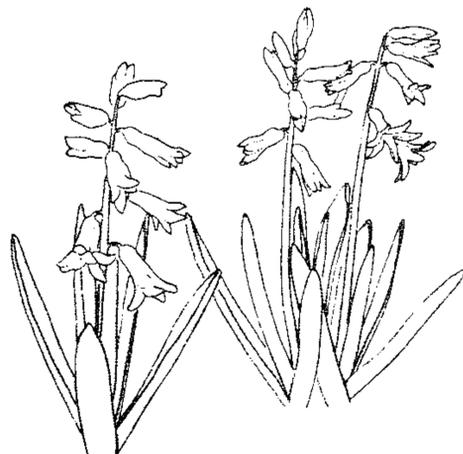
Portions of the book appeared in Audubon a year or two ago, so for a sampling of the magnificent photos and inspiring text, the reader is referred there. The book, though, goes well beyond that article in richness and detail, striking a perfect balance between a book of words and a book of pictures.

One early chapter is a fascinating chronicle of the life of a typical grove of trees born after a fire in the time of Christopher Columbus, maturing through the years of Shakespeare and the American Revolution, to reach, today, the midpoint in its natural lifespan. Another chapter clearly explains what researchers (including Dr. Jerry Franklin) have learned about the amazing interdependence of life in the old growth ecosystem from treetops to rotting logs and tiny insects to owls and mountain lions.

Through it all, Kelly weaves the tale of the relatively short history of human developments, exploitation, and attempts at management of these forests. It is a web of science, economics, and politics nearly as complex as the ecosystem we are inexorably destroying.

While this book reveals many of the secrets of the old growth, the point is made that there are many secrets yet undeciphered and many lessons still unlearned in these ancient forests. It is also made clear that these forests, once thought inexhaustible, will be gone for all practical purposes in a few decades at the present cutting rate.

Reprinted from *The Conifer*, a publication of the Oregon Chapter of the Sierra Club



PLANT PUZZLE

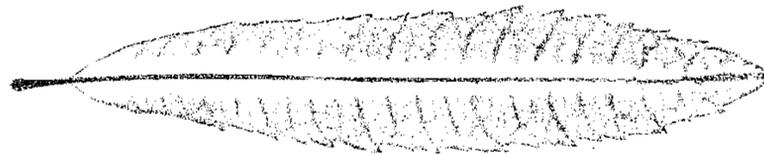
Sponsored by the Emerald Chapter

Can you name this plant? The first person to give the correct scientific name will win a prize. The leaf illustration is from a woody plant growing wild in Oregon.

Send your guess on a postcard to:

Peter Zika
28681 Peoria Rd.
Halsey, OR 97348

1
cm



January's prize winner was Mark Boyll of Aumsville, who correctly identified Betula glandulosa, bog birch.

Oregon's Coastal Management Program

Do you know how Oregon's coastal areas are managed? A Citizen's Guide has recently been published by the Oregon Department of Land Conservation and Development (DLCD). It is expected to be a useful "how-to" summary and a handy reference for people interested in coastal management in Oregon. Copies are available without charge from DLCD in Salem (373-0050) or at DLCD's field office in Newport (265-8869).

The Citizen's Guide is a simple, illustrated explanation of the state and local laws and regulations that make up Oregon's federally approved coastal zone management program. Charts and diagrams explain basic land-use requirements as well as key state laws which affect the coast.

The Citizen's Guide is designed to give lay citizens and people new to coastal planning an excellent basis for becoming involved, and understanding permit requirements and how decisions are made.

Financial assistance for the preparation of the Guide was provided by the National Oceanic and Atmospheric Administration through a grant under the Coastal Zone Management Act of 1972.

-- Art Mancl, Lane County Audubon Society
Reprinted from *The Quail*, October 1988

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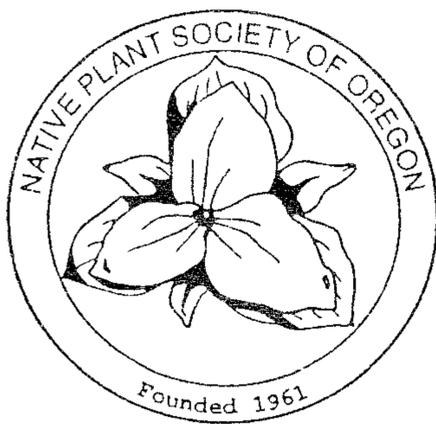
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