

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

Volume 18 No. 5

May 1985

----- PLEASE NOTE -----

Angie Evenden will serve as editor for the June Bulletin. PLEASE HELP ANGIE OUT BY SUBMITTING YOUR NEWS & ARTICLES ON TIME--TO REACH HER ON OR BEFORE THE 10TH OF THE MONTH. Copy for the June issue should be sent to Angie at P.O. Box 9338, Portland, OR 97207; as a last resort, she can be reached by phone at 246-8646.

ANNUAL MEETING NOTICE

The NPSO Annual Meeting is to be held in Ashland on May 11 and 12th. The insert in this issue provides details on the program and Saturday field trips. A registration form is also provided. Reservations must be received in Ashland no later than May 6th. So do not delay . . . send your registration in now ! See you in Ashland !

CHAPTER NEWS

Blue Mountain

- 19 May, Sun. Field trip, UKIAH; leader to be determined. Meet at Blue Mountain Community College greenhouse at 8:00 a.m. or at Granny's store in Ukiah at 9:00 a.m.
- 8 June, Sat. Field trip, SQUAW CREEK/POVERTY FLATS. Meet at BMCC greenhouse at 8:30 a.m.
- 6-7 July, Sat. & Sun. Field trip, DUCK LAKE (eastern Wallowas), led by Rachel Sines. Meet at post office in Richland, Oregon, at 11:00 a.m.
- 20 July, Sat. Field trip, TOWER MOUNTAIN, led by Karl Urban, Meet at BMCC greenhouse at 8 a.m.

Corvallis

- 13 May, Mon. Meeting, 7:30 p.m., Cordley Hall, Room 2087, Oregon State Univ. campus, Corvallis. HEDGEHOG CACTUS (Echinocereus): POLLINATION ECOLOGY OF RARE AND ENDANGERED SPECIES, by Dr. John Miller, OSU Botany Dept.
- 18 May, Sat. Field Trip; FOREST INVASION OF MARYS PEAK MEADOWS, led by Teresa McGee. Meet at 10 a.m. in parking lot at NE corner of Cordley Hall. Bring lunch.
- 1 June, Sat. Field trip to RICKREALL RIDGE BOTANICAL AREA. Meet at parking lot, NE corner of Cordley Hall, 9 a.m. Led by Dan Luoma, 758-8063.
- 9 June, Sun. Field trip, WILDFLOWERS OF MARYS PEAK "ROCK GARDEN", led by Bob Frenkel. Meet at 10 a.m. in parking lot at NE corner of Cordley Hall. Bring lunch.
- 31 Aug., Sat. Field trip over Labor Day weekend (date tentative) to Steens Mt. with Northern Nevada Native Plant Society members; led by Carolyn Wright.

Emerald

- 27 April, Sat. Field trip, SPENSER BUTTE. For a botanizing outing meet at South Eugene High School 10:00 a.m. Trip led by Charlene Simpson and Evelyn Everett (345-1746).
- 13 May, Mon. Meeting, 7:15 p.m., Amazon Park Community Center, north craft building. Rhoda Love has an exciting program to present on MOUNT PISGAH ARBORETUM and the showing of a World Wildlife Fund film; 'ROOTS OF LIFE'. This film focuses on spectacular and unique plants of the world including Hawaii, Africa, Chile and the Mediterranean.
- 20 May, Mon. Special Event. Members are invited by Ken and Robin Lodewick to view their garden and PENSTEMON COLLECTION. Please come to Lodewick's at 2526 University, Eugene, at 7:15 p.m., 344-6533.
- 10 June, Mon. Meeting, 7:15 p.m., Amazon Park Community Center, north craft building. The Hardesty-June Wilderness Council will present a slide show on HARDESTY MOUNTAIN.

High Desert

- 31 May -
2 June
Fri. - Sun. Field trip, HAWK MOUNTAIN (HAWKSIE WALKSIE) WILDERNESS STUDY AREA. The purpose of this trip will be to survey this WSA located on the Lakeview BLM District. Meet at 9:00 a.m. on Friday behind McDonald's in Bend. Housing, kitchen and showers will be available. Please bring your own food and sleeping bags. For more information contact trip leader, Jack Schwartz, 382-2286.

Mid Columbia

- 1 May, Wed. MEETING, 7:30 p.m., Mosier School.

North Coast

For information about May activities of the North Coast Chapter, contact Richard Smith, 842-4324.

Portland

Please call the trip leader or Doris Ashby, 245-2977, if there are any questions about a field trip. Bring lunch, liquids, and all-weather clothing for the trips.

- 4 May, Sat. Field trip, COLUMBIA HILLS STROLL, This wildflower area is east of Lyle in Klickitat County, high above the Columbia River. Meet at the Dept. of Motor Vehicles (DMV), NE 60th & Glisan in Portland, at 8:00 a.m. or at the Bingen Winery at 9:30 a.m. Leader: Elizabeth Handler, 244-5320.
- 11 & 12 May,
Sat. & Sun. Meeting. 1985 NPSO ANNUAL MEETING. See details on front page and insert.
- 14 May, Tues. Meeting, 7:00 p.m., First United Methodist Church, 1838 SW Jefferson. ALPINE PLANTS OF NEW ZEALAND, by Reuben Hatch. Color slides taken during his hiking-photography trip in January.
- 18 May, Sat. Field trip, HARDY RIDGE TRAIL. North of Beacon Rock State Park, the trail follows an abandoned logging road through open slopes to Hardy Ridge with unique views of the Gorge. Hike approximately 5 miles with 1300 feet elevation gain. Meet at the DMV (see May 4) at 8:00 a.m. Leader: Elizabeth Handler, 244-5320.
- 25-27 May,
Sat. - Mon. Field Trip, JOHN DAY RIVER AREA. Here's your chance to take day hikes along the river and to learn and become familiar with species on the east side of the Cascades. Plan to either car camp or stay in a motel. We will meet Sat. May 25th in the Madras area about midday. For specific details and car-pooling, call Barbara Fox, 659-2445.
- 1 June, Sat. Field Trip, BALD BUTTE. A hike of 3 miles will reward one with a variety of flowers and views of Mt. Hood and the Hood River Valley. Meet at 8:00 a.m. at K-Mart, NE 122nd and Sandy Blvd. (exit I-84 at 122nd north-bound), south end of parking lot. Leader: Esther Kennedy, 287-3091.

Siskiyou

- 9 May, Thur. Meeting, 7:30 p.m., Room 171, Science Bldg., SOSC campus, Ashland. EASTERN MEDITERRANEAN WILDFLOWERS: AESTHETIC PERSPECTIVES Dr. Fred Shepard, Adjunct Professor of Biology, SOSC, has spent many years working and living in Turkey and other middle-eastern countries.
- 19 May, Sun. Field trip, LITTLE CRAYBACK TRAIL AND DOE HOLLOW, near Applegate Lake. We will hike 4 miles with moderate grades, and can expect to see Mimulus kelloggii, M. douglasii, and many other chaparral and open woodland species. Meet at Ashland Bi-Mart at 8:00 a.m., Medford K-Mart, 8:30 a.m., or the outpost store at Ruch at 9:10 a.m. Led by Wayne Rolle, 482-0093.
- 9 June, Sun. Field trip, UPPER SHALE CITY AND THE HOLLENBECK STUDY AREA. Meet at 8:00 a.m. at the Medford K-Mart, or 8:30 a.m. at the Ashland Bi-Mart. Led by Gordan Larum, 772-1685.
- 13 June, Thur. Meeting, 7:30 p.m., Room 171, Science Bldg., SOSC campus, Ashland. HISTORY OF HUMAN INTERACTION WITH PLANTS OF SW OREGON, by Jeff Lalande, Rogue River N.F. Historian. The talk will cover Indian use of plants and will include the period of Chinese and early settlers of SW Oregon.
- 15 June, Sat. Field trip, PROPOSED SODA MOUNTAIN WILDERNESS AREA. Details will be available in the next issue. Led by Vern Crawford, 482-9196.

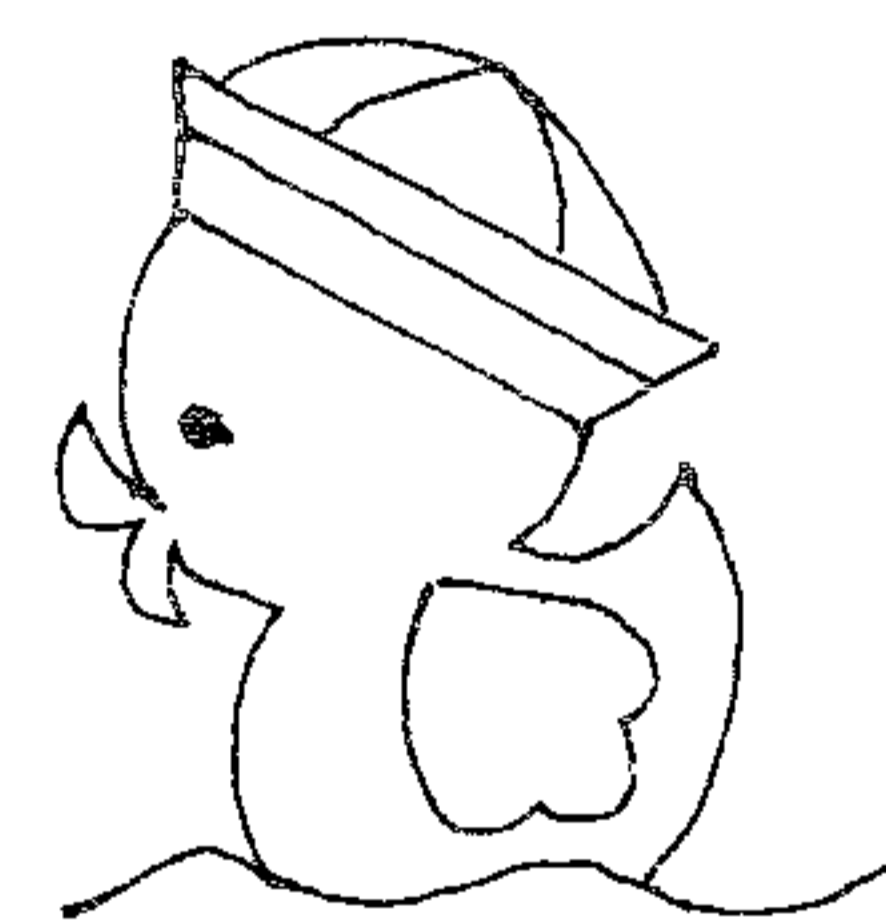
Willamette Valley

- 4 May, Sat. Field trip, with Dr. Morris Johnson of WOSC to have a look at a newly-discovered population of red-hued Erythronium revolutum. Carpool at south Salem K-Mart (Mission St.) at 8 a.m., or at WOSC Science Bldg. in Monmouth at 8:30 a.m. Contact Clint Urey, 743-2802 for more information.
- 11-12 May, Sun.&Mon. MOTHER'S DAY WEEKEND FLOWER SHOW. The Willamette Valley Chapter will host what has become the annual flower show at the day use Silver Creek Falls Lodge. Hours will be 10 a.m. - 5 p.m. both days. There will be flower prints, photography, drawings, & a slide show of R & E plants, as well as over 150 species of freshly gathered wild flowers. Admission is free, parking is ample, and light refreshments will be offered. Weather permitting, there will also be short field trips in the part. Willamette Valley Chapter members who wish to help may contact Larry Scofield at 787-3833.
- 25-26 May, Field trip. SW OREGON AND 8-DOLLAR MOUNTAIN. Details are available from Clint Urey, 743-1802.
- 2 June, Sun. Field trip, LITTLE SINK. Meet for carpooling at S Salem K-Mart 8:00 a.m. A stop will then be made at the City Hall at Falls City. Leader: Larry Scofield, 787-1802.



CONGRATULATIONS

julie & bill



NPSO Editor Julie Kierstead and husband Bill Reinwand are the proud parents of a baby boy! He is named Paul Conrad and was born on Sunday, April 7th, at 11:45 p.m., and weighed 7 lbs. 5 oz.

ALL OF US IN NPSO SEND OUR BEST WISHES TO THE
THREE OF YOU FOR A FUTURE FULL OF HAPPINESS ! !

----- SPECIAL NOTICE -----

All NPSO members please note, we will have a surprise baby shower for Julie at the annual meeting in Ashland (surprise Julie ! !) If you care to, please join us in sharing with Julie. This would be one little way we could thank Julie for all she has done for NPSO. (If you are wondering what might be needed, a little bird says that Paul has very little clothing to grow into . . ie. 8 months & up.

ANNOUNCING
 NPSO WILDFLOWER POSTER
 WILDFLOWERS OF OREGON

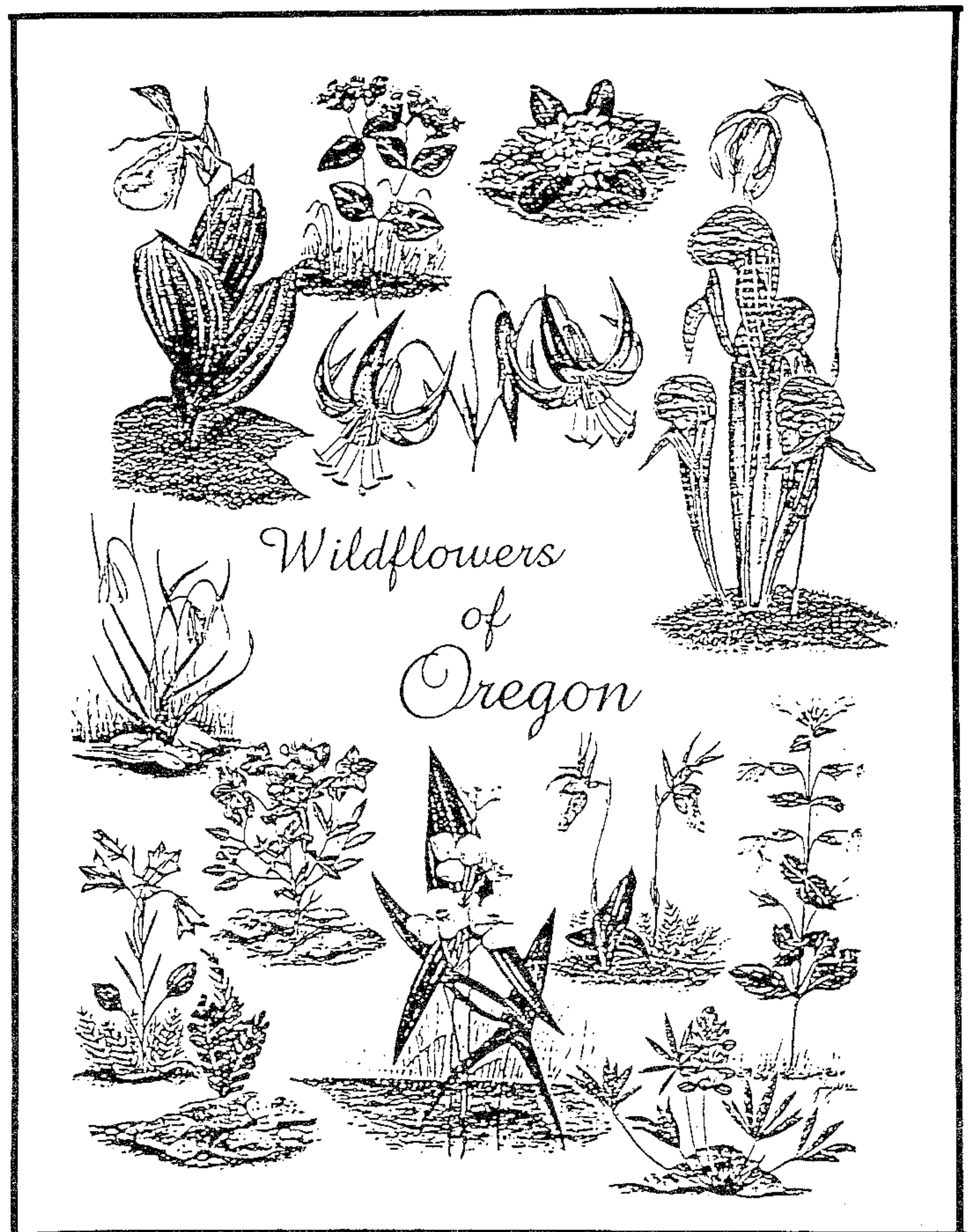
Artist: Jay W. Miner

The first ever NPSO poster "Wildflowers of Oregon" will soon be available. The artist, Jay Wesley Miner, has done a superb job using colored pencils to illustrate 13 native Oregon plants. You may recognize a few of them, but it is doubtful if anyone has ever seen all of them in the wild. (How about it Jean Siddall?) The illustration here lacks color and has been reduced many times; in reality the poster is printed in full color and is 18 x 24 inches in size. Plants from all geographical areas of the state are pictured; there are representatives from coastal habitats, coniferous forests, interior valleys, sagebrush juniper woodlands, and from dry mountain slopes. Several of these plants are very rare, others are losing ground as their habitats are being destroyed or altered. But there are a couple of common plants too; we didn't plan it that way but the artist added them for color and balance.

To increase the poster's educational value, there is an accompanying text about each plant that is printed on the reverse side. We are hopeful that teachers and schools will use the poster to create an awareness of our native plant heritage. It will appeal to everyone who enjoys wildflowers!

The poster is expected to be available in early May. We plan to have them for sale at the NPSO annual meeting in Ashland on May 11 and 12. The price to NPSO members will be \$4 each on a cash and carry basis. Chapters may wish to purchase posters at this time to take with them for resale at future chapter meetings. Inquiries are invited from dealers and businesses. Discounts are available when purchased in lots of 10 or more. The poster will also be available by mail after May 15 at the price of \$4.95 each (includes shipping). Mail order requests and payment should be sent to:
 NPSO Wildflower Poster, 2370 Douglas Dr.,
 Eugene, Oregon 97405.

Alan B. Curtis
 Emerald Chapter
 Chairman, Poster Committee



NEW DESIGNS FOR T-SHIRTS !

Two new NPSO T-Shirts featuring drawings by Gaylee Goodrich have been ordered; Delphinium leucophaem (turquoise) and Lomatium cookii (yellow). Both come in men's sizes S,M,L and XL. Still available: Darlingtonia californica (lavender) by Linda Vorobik, M & L sizes; Opuntia polyacantha (silver-grey) by Julie Kierstead, S,M,L,XL. All of the above are short-sleeved, preshrunk 100% cotton, black printing with the heading 'Native Plant Society of Oregon' above the drawings. We also have some short-sleeved, white shirts with the green NPSO emblem, M & L. You may now order the Darlingtonia design with long sleeves, grey or lavender, S,M,L,XL. These have 'NATIVE PLANT SOCIETY' printed the length of one sleeve. When ordering please indicate size, design and a second choice if acceptable. Costs are \$7 plus \$1 postage for short-sleeved, and \$10 plus \$1 postage for long sleeve. Your local chapter may have some for sale. Also all of the T-Shirts will be for sale at the NPSO annual meeting in Ashland May 11 & 12. Make checks payable to Emerald Chapter -NPSO. Order from: Evelyn Everett, 4135 Alder St., Eugene, OR 97205; 345-1746.

FLOWERS FOREVER

by Rhoda Love

On March 14, in Washington D.C., the NPSO joined with the Natural Resources Defense Council, the New England Wildflower Society, the Waimea Arboretum (and others) to testify before the Subcommittee on Fisheries, Wildlife Conservation and the Environment.

The testimony was prepared by Faith T. Campbell of the NRDC. The following are excerpts from that testimony:

"The Natural Resources Defense Council is a public-interest environmental organization of 45,000 members. Since 1978, we have sought to improve programs, including the Endangered Species Act, that protect rare species of plants. The Native Plant Society of Oregon has over 600 members in 8 chapters around the state. NPSO is 25 years old. The New England Wildflower Society has over 3,000 members, primarily in New England. The NEWFS is over 50 years old. The Waimea Arboretum is a privately owned institution that provides a gene pool of wild plants for use by researchers.

The Subcommittee on Fisheries, Wildlife Conservation and the Environment has been helpful in the past, adopting amendments to the ESA and Lacey Act that increased legal protection for our native flora. Unfortunately, our task is not yet finished. The ESA does not yet provide adequate protection for plant species.

Two of the weaknesses are generic to the Act: lack of adequate resources to carry out listing, recovery, and other components of the program; and failure to protect candidate species. Because of the large number of candidate plant species and historic and continuing delays in listing them, these issues affect rare plants disproportionately...

A third weakness of the Act uniquely affects plant species: Whereas the Act broadly prohibits the "taking" of any endangered animal, only listed plants occurring on federal lands are protected from taking, and then only when the plant is "reduced to possession," i.e., collected for use in horticulture or as a pressed and dried specimen. That means vandals may cut, uproot or otherwise destroy endangered plants on federal lands without violating the Act. On private and other non-federal lands, the Act does

nothing to prevent vandals, collectors, and others from destroying or collecting imperiled plant species....

Mounting evidence shows that effective plant conservation requires more than the Act provides. Many listed or candidate plants have been seriously reduced through overcollecting....

Sarracenia eorophila, the green pitcher plant, was listed as endangered in 1979. It is one of the rarest carnivorous plants in the world and highly sought-after by the specialist collector. Since all populations are on non-federal land, it is legal to collect it as long as the plants are not sold or bartered. In 1981, several plants were taken from one bog in Alabama. In 1984, a man from Florida travelled to Alabama to collect plants, returned to Florida and mailed specimens of the wild-collected plants to several people in other states....

Pediocactus knowltonii. This tiny cactus, one of the first to be listed as endangered, is a collector's item because of its diminutive size and large flowers. Between 1965 and 1981, its population was reduced from about 5,000 to 1,500 by flooding by a dam and commercial collecting of many of the remaining plants. The landowner was unable to prevent people from entering his land for this purpose....

NRDC, NPSO, NEWFS and Waimea Arboretum ask the Subcommittee on Fisheries, Wildlife Conservation and the Environment to correct many of the deficiencies in the Act by adopting the following amendments:

1) amend Section 9(a)(2)(B) by deleting "remove and reduce to possession" and substituting "take;"

2) insert a new subsection 9(a)(2)(C): "collect or destroy any such species from areas not under federal jurisdiction except with the written permission of the landowner;"

3) insert a new subsection 9(a)(2)(D): "possess, sell, deliver, carry, transport or ship, by any means whatsoever any such species taken in violation of subparagraphs (B) and (C);"

reorder the remaining subsections accordingly.

The proposed amendments would outlaw destruction as well as collection of

Please turn to page 58

RESEARCH NOTES

HOW SHOULD WHEATGRASSES BE CLASSIFIED?

The past two years have seen the development of some novel and important concepts affecting the classification of North American grasses. As a result of research by geneticists at Utah State University, much new information is available on the relationships among species of barleys, wheatgrasses, wildryes, and squirreltails. These common names belong to grass genera which botanists know by the Latin names Hordeum, Agropyron, Elymus, and Sitanion. For Oregon, about 30 species are involved in these studies, including many of the perennial grasses found abundantly in rangelands of the central and eastern parts of the state.

One controversial aspect of the genetic research on wheatgrasses is the possibility that it will cause revolutionary changes in the scientific names used for these grasses. Any radical alteration of the accepted names of plant species is sure to be unsettling to the many ecologists, range scientists, wildlife biologists, and others who know and work with these grasses on a day-to-day basis. One might question whether it is useful to make a sweeping overhaul of scientific names for such a well-known group of plants. Would it not be more practical to maintain the status quo of the familiar genus and species names presently in use? If faced with two or more alternative classifications, will any of us, in fact, have the option of choosing what system we prefer to use?

To answer the second question first, yes; we will be allowed to stay with the presently accepted classification if we wish. This is because the changes are based on taxonomic judgements of relationship, not on hard and fast rules of nomenclature. However, if more and more people elect to learn and use the revolutionary new classification, then the wisest course for us all will be to "join the crowd." Such changes of fashion have occurred before in plant nomenclature, by the way. Fifty years ago everyone called Douglas-fir "Pseudotsuga taxifolia," whereas now it is universally known as Pseudotsuga menziesii. Adopting new names for plants is "good" if it improves our knowledge of relationships and is derived from accurate scientific study. A change of name may be "bad," however, if it obscures relationships and is based merely on an arbitrary opinion about species' differences.



old name: *Agropyron spicatum*

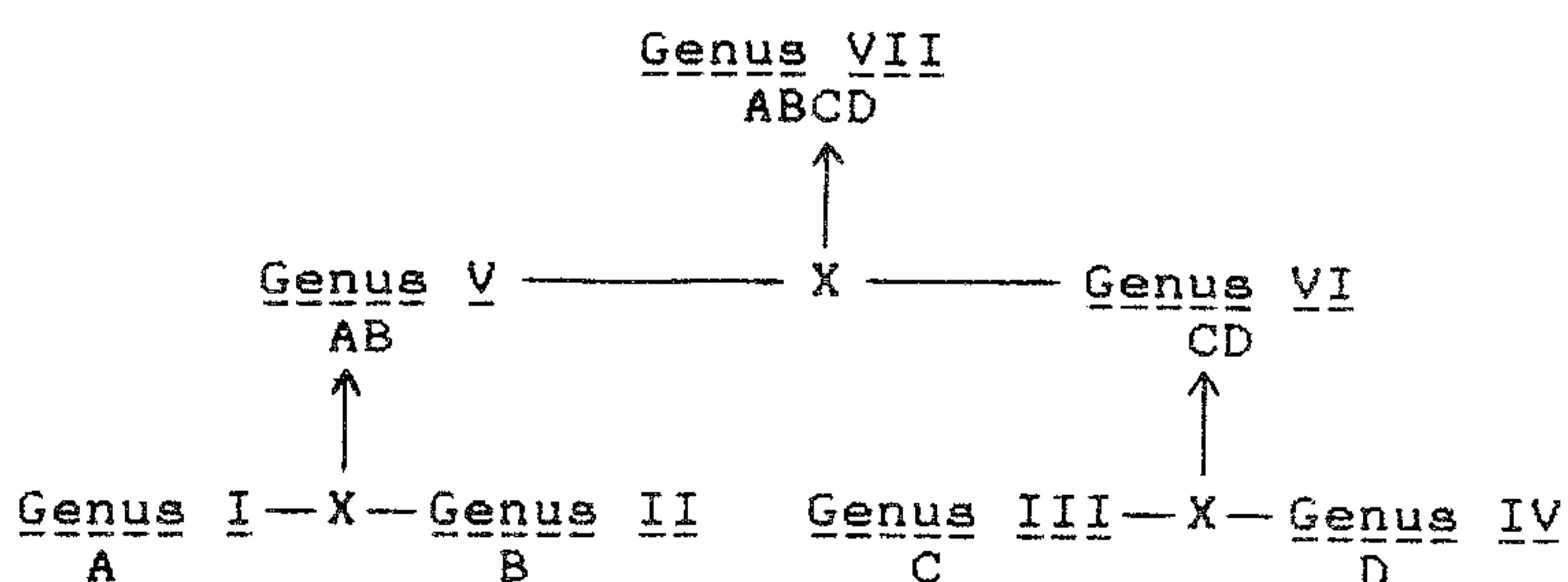
? new name: *Pseudoroegneria spicata*

(Illustration from Hitchcock et al., *Flora of the Pacific Northwest*; used with permission from the publisher)

Just how drastic will the proposed changes be? The answer is: very drastic! No fewer than nine new generic names will be introduced, three well-known genera will be split up, and one generic name will be dropped entirely. In their recent publications, Dr. Mary Barkworth and her colleagues at Logan, Utah, have listed the new genera as Critesion, Elytrigia, Eremopyrum, Leymus, Pascopyrum, Pseudoroegneria, Psathyrostachys, Taeniatherum, and Thinopyrum. Various species in the old genera Elymus, Agropyron, and Hordeum will be rearranged, and the genus Sitanion will be merged with Elymus. Included in these changes are some Asiatic grasses which are not native to Oregon but have been introduced here purposely or by accident through human agency.

For those readers who are interested in particular grasses of economic importance, I will list some of the proposed new Latin names. The pesty weed called Medusahead, usually classified in Elymus, takes the new name Taeniatherum caput-medusae. Crested Wheatgrass remains Agropyron cristatum, but Bluebunch Wheatgrass, formerly in Agropyron, becomes Pseudoroegneria spicata. Squirrel-tail, now named Sitanion hystrix, changes to Elymus elymoides. Quack-grass, presently in Agropyron, is renamed Elytrigia repens. Cultivated Barley, Hordeum vulgare, retains its name, but Meadow Barley changes to Critesion brachyantherum. Giant Wildrye, now known as Elymus cinereus, becomes Leymus cinereus. These are only a few examples, chosen to show the diversity of unfamiliar names involved in the new taxonomic system.

The wholesale scrambling of old, well-known names is an attempt by taxonomists to develop a classification that will accurately reflect evolutionary relationships. The best evidence for evolution in these grasses comes from their chromosomes, and from knowledge of the extensive natural hybridization that has given rise to present-day species. The relationships can be presented in a simplified diagram using arbitrary letters to stand for the different sets of chromosomes which form the evolutionary building blocks of the barley/wheatgrass/wildrye complex. In the diagram, each letter (A, B, C, D) stands for a different basic set of chromosomes. Any two species having the same basic set may cross to form partially fertile hybrids. However, when two species having different basic sets cross, they produce only sterile hybrids. A sterile hybrid plant may evolve into a fertile new species by doubling its chromosome number. As a matter of terminology, the basic sets, each with seven chromosomes, are called genomes, and the process of chromosome doubling is called polyploidy.



The genera in the complex are related like the floors of a pyramid-shaped building. On the bottom floor are those that have the four basic genomes. By hybridization (the X's) and polyploidy (the vertical lines), a second floor of two more genera evolved. Further hybridization between these two produced a third floor, whose genus combines all four original genomes. This diagram only partially expresses the complexity of the wheatgrass/wildrye/barley group, which on a world basis contains considerably more than four genomes and occupies a vast area of Northern Hemisphere grasslands.

This diagram is purposely labeled to show how, by the proposed new taxonomic approach, each basic genome is assigned a different generic name. Furthermore, when genomes combine through hybridization, each different combination is assigned a unique generic name. But is this the only way we can create a taxonomic system for this evolutionary pattern? Instead of the seven genera labeled on the chart, we might name the whole complex as a single, large, polymorphous genus! In so doing, we would be emphasizing the fact that all the species are so closely related as to be able to evolve in concert by hybridization and polyploidy. Evidently, their genomes are genetically compatible, and this important biological fact could form the justification for a single-genus classification. What would be lost in this totally different taxonomic approach would be the detailed information on relationships which the "seven-genus" system provides. Hence, the debate hinges on what is taxonomically "best" (whatever that word implies): should the generic names express large-scale evolutionary relationships among genomes, or should they emphasize the specific genomic units (A, B, AB, etc.) that undergo hybrid and polyploid interactions?

We will have to let that last sentence end in a "?" for now, because it is an unresolved question whose answer--for the wheatgrasses, at least--lies in the future. For a useful summary of this debate, I recommend the book "Grasses and Grasslands, Systematics and Ecology," edited by J. R. Estes, R. J. Tyrl, and J. N. Brunken, published in 1982 by the University of Oklahoma Press. In it, Drs. Estes and Tyrl make a plea for a modified one-genus approach, in which the barley genus, Hordeum, would be retained, but all the species of wheatgrasses, wildryes, and squirreltails would be merged into the single genus Elymus. Indeed, taxonomy can be simple, if we choose to make it so!

Kenton L. Chambers
Oregon State University

THE NPSO DESERT REPORT

BY BARBARA FOX

The BLM is involved in an inventory process of their lands to identify lands that are suitable as Wilderness. The process has proceeded through a number of phases leading to the writing of the Draft Environmental Impact Statement to be published in late April, 1985.

During the study and inventory process, documents have been produced that describe the Wilderness Study Areas, and summarize various aspects of each specific area. The current summaries, called "Unit Resource Analysis III - Present Situation" are available to the public for review. Each URA document contains information on a single WSA which includes the following topics.

Description of the WSA (location, boundaries, size and shape, land and mineral status, land use)

Physical description (geology, topography, water and drainages, vegetation, wildlife)

Special Features (geology, vegetation, wildlife, cultural, unique ecological interrelationships, scenic qualities, education/scientific values)

Naturalness quality analysis

Solitude quality analysis (size and configuration, topographic screening, vegetative screening, outside sights and sounds, ability of user to find a secluded spot)

Primitive and unconfined recreation (hiking, backpacking, hunting, fishing, horseback riding, bird-watching, sightseeing, photography, hang gliding, rock climbing, winter sports, water sports, challenge, access points and possible high use areas)

Manageability

Access (motorized vehicle conflicts, use of motorized vehicle use for grazing or mining purposes).

Some WSAs that are well known and/or complex will have a great deal of information that results in a lengthy detailed URA (70 pages), with lesser known WSAs having a shorter URA (20 pages). Interested people who wish to review one or more URAs will find complete sets at the Oregon Natural Resource Council (ONRC) office in Portland (Nancy Peterson 224-0201), or Portland Audubon (292-6855).

The NPSO Desert Wilderness Committee chairperson has made copies of the URA for the WSAs that will be visited this summer on NPSO field trips. If you would like a copy of one of these, request the traveling NPSO copy, make your own copy, and mail the traveling copy back to me (Barbara Fox 11455 SE 35, Milwaukie, 97222, 659-2445).

The NPSO copies of the URAs and a copy of the Draft Environmental Impact Statement, and accompanying maps will be available for review at the NPSO state annual meeting in Ashland on May 11 and 12.

DESERT CONFERENCE VII: JUNE 6, 7 & 8

The 7th annual Desert Conference will be held at Central Oregon Community College in Bend. Field trips on Fri. & Sat. will visit local wilderness study areas. An all-day Friday tour will examine rangeland management practices in central Oregon, including a visit to Pat and Connie Hatfield's High Desert Ranch. Saturday panel discussions will focus on different perspectives on management and use of rangeland resources. Natural history presentations are also planned. Friday evening and Sunday will be devoted to wilderness proposals, and conservation strategy. For further information and registration materials contact: Don Tryon, P.O. Box 450, John Day, OR 97845, 575-2671.

4TH WILD OREGON AUCTION

Sat., May 11, the fourth annual Wild Oregon Auction will be held in Studio One of Eugene's Hult Center. The auction is a benefit for the Oregon Natural Resources Council. Auction items preview and entertainment 7:00 to 8:00 p.m., silent auction 7:00 to 9:00 p.m., and oral auction from 8:00 to 10:00 p.m.. Admission free. For further information contact ONRC, 1161 Lincoln St., Eugene 97401, 344-0675.

RARE, THREATENED AND ENDANGERED PLANTS AND ANIMALS OF OREGON

The 1985 edition of Rare, Threatened and Endangered Plants and Animals of Oregon is now available from the Oregon Natural Heritage Data Base. Information on Oregon's special plants has been revised to reflect their current status and incorporates many of the comments received at the Rare and Endangered Plant Conference held in Eugene last November. Thanks to all who participated for their help in providing an important resource for amateur and professional botanists alike. Copies of Rare, Threatened and Endangered Plants and Animals of Oregon are available for \$4 each (one dollar is for postage, so save money and pick up a copy) from the Oregon Natural Heritage Data Base, 1234 NW 25th Ave., Portland, OR 97210.

SUMMER FIELD TRIPS TO BLM WILDERNESS STUDY AREAS

May 25-27 John Day River	Barbara Fox 659-2445	The John Day River Field Trip was scheduled to be a rafting trip. Because of unforeseen complications the rafting part of this trip is cancelled. The trip will concentrate on botanizing the river level habitats through day hikes. We should see a number of John Day area endemics, as well as spectacular scenery of cliffs, springs, and unusual geologic formations. We will meet in the Madras area on Sat. Participants will be able to camp or stay in motels in the area. Bring plant books, bird books, sun protection supplies, sturdy boots, mosquito repellent, water, cameras, binoculars, and musical instruments. Participants must pre-register for this trip with Barbara Fox, 11455 SE 35, Milwaukie, OR 97222, 659-2445.
May 31 - June 2 Aldrich Mt.	Angie Evenden 246-8646	We will survey the botanical resources of the Aldrich Mt. WSA on the Burns BLM District. Aldrich Mt. is located south of Dayville and parallels the southfork of the John Day River. Average elev. is 4500 ft., and the area is characterized by sagebrush (juniper) dominated grasslands, with ponderosa pine and douglas fir in the drainages. This is prime habitat for California big horn sheep, Rocky Mt. Elk and mule deer. We will have a base camp with day hikes. The terrain is rugged so hiking will be strenuous. Please contact Angie for directions, details and to register. P.O. Box 9338, Portland, 97207.
June 15 Spring Basin	David Danley Naturalist 593-1221 ext. 394	Rolling plateau lands above John Day River near Clarno. Mini bus available from Bend and Madras to area.
June 21-24 Guano Creek	Rick Brown 222-1146	High rolling country south of Hart Mtn. Antelope Refuge.
July 4th wkd Steens, Malheur, Blitzen River	Several trips call Barbara Fox 659-2445	Two or three trips are planned in this area. Depends on snowpack and accessibility.
July 20 & 21 Pueblo Mtn	Carolyn Wright 753-5120	Large mountainous area between Steens and Nevada border.

BLM PUBLIC COMMENT OPPORTUNITIES

The following schedule lists opportunities for public involvement in Oregon BLM planning, environmental impact assessment, decision-making, and comments on proposed regulations. Copies of published documents, and specific dates, times, and locations for public meeting are available from appropriate district offices.

PRINEVILLE: Two Rivers Draft Resource Management Plan/Environmental Impact Statement will be available for a 90-day comment period in early April.

SOUTHEAST OREGON BLM MAP

A Bureau of Land Management Map, Southeast Oregon Special Management Areas is available. This map shows the location of BLM special management areas on 12,200,000 acres in southeast Oregon, and includes Research Natural Areas (RNA), Areas of Critical Environmental Concern (ACEC), Wilderness Study Areas (WSA), Wild Horse Management Areas (HMA), Outstanding Natural Areas (ONA), and recreation lands. Each of these designations is defined in a narrative section. In addition a summary of natural features and management objectives is provided for each RNA and ACEC.

This map is a valuable resource for anyone interested in learning more about the SE Oregon desert. Copies may be obtained from the BLM at a cost of \$4.00, by writing, B.L.M., P.O. Box 2965, Portland 97208. Make checks payable to B.L.M..

endangered plants on federal lands, and collection and intentional destruction of such plants on non-federal lands without the permission of the landowner. The amendments would also prohibit possession and exchange of endangered plants that have been taken in violation of the two preceding subsections, i.e., collected from federal lands without a permit or from non-federal lands without the permission of the landowner."

Faith's testimony went on to express concern about weakness in enforcement of treaties on international trade in endangered species. For a full copy of the testimony, you may write to her at the following address: Faith Thompson Campbell, Plant Conservation Project, NRDC, 1350 New York Ave. NW, Suite 300, Washington, DC 20005.

Please write also to Senators Hatfield and Packwood and to your representative to express your support for the reauthorization of the Endangered Species Act with the NRDC amendments.

The NPSO will be joining the NRDC again in testifying before the Senate hearings on the ESA on April 16. We very much appreciate the work done by Faith Campbell and the NRDC on our behalf. Any contributions to the Plant Conservation Project would be gratefully received and can be sent to the address above. And PLEASE don't forget to write to your STATE representatives encouraging them to support a state ESA for Oregon. Remember, only 3 species of over 100 candidates in Oregon have so far received federal listing!

Rhoda Love,
State Conservation
Chair

Our legislators are interested in endangered species. The following is Carl Hosticka's reply to Rhoda Love's letter in "FLOWERS FOREVER", NPSO Bulletin, Mar. 1985.

CARL HOSTICKA
LANE COUNTY
DISTRICT 40
REPLY TO ADDRESS INDICATED
 House of Representatives
Salem, Oregon 97310-1347
 870 Fox Glenn
Eugene, Oregon 97405



HOUSE OF REPRESENTATIVES
SALEM, OREGON
97310-1347

March 26, 1985

Dr. Rhoda M. Love
Conservation Chair
Native Plant Society of Oregon
393 Ful-Vue Dr.
Eugene, OR 97405

Dear Dr. Love, *Rhoda*

Thank you for your letter addressed to me in your publication. The points you raised are important and I hope others from your organization follow your lead.

Oregon has always prided itself as being one of the front runners of the nation in protecting the beauty of our environment and in turn protecting our wildlife. I share your concerns about the preservation of species of plants as well as animals. Extinction would be a terrible loss and I do not want to see this happen. To steal a quote: "Extinction is forever." I support your efforts to provide the needed protection of our wildlife so that we may preserve it for the generations to come.

Please keep me informed of the development and progress of legislation on this subject.

Yours sincerely,

Carl Hosticka
Carl Hosticka
State Representative
District 40

REFUGE OPEN HOUSE AND TRAIL DEDICATION

An open house will be held at William L. Finley National Wildlife Refuge on May 18th, 10 a.m. - 4 p.m.. The day will feature a nature trail dedication in memory of Fred and Mildred Evenden, noted national conservationists. The dedication ceremony will be held at 'Woodpecker Loop' trailhead at 10 a.m., and following, Portland naturalist Dave Marshall will lead a hike along the trail. Other activities will include an open-house at refuge headquarters, displays and hikes. Finley NWR is located 12 miles south of Corvallis. For more information contact: William L. Finley Refuge, Corvallis, 757-7236.

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 sent to the membership chair.

BULLETIN

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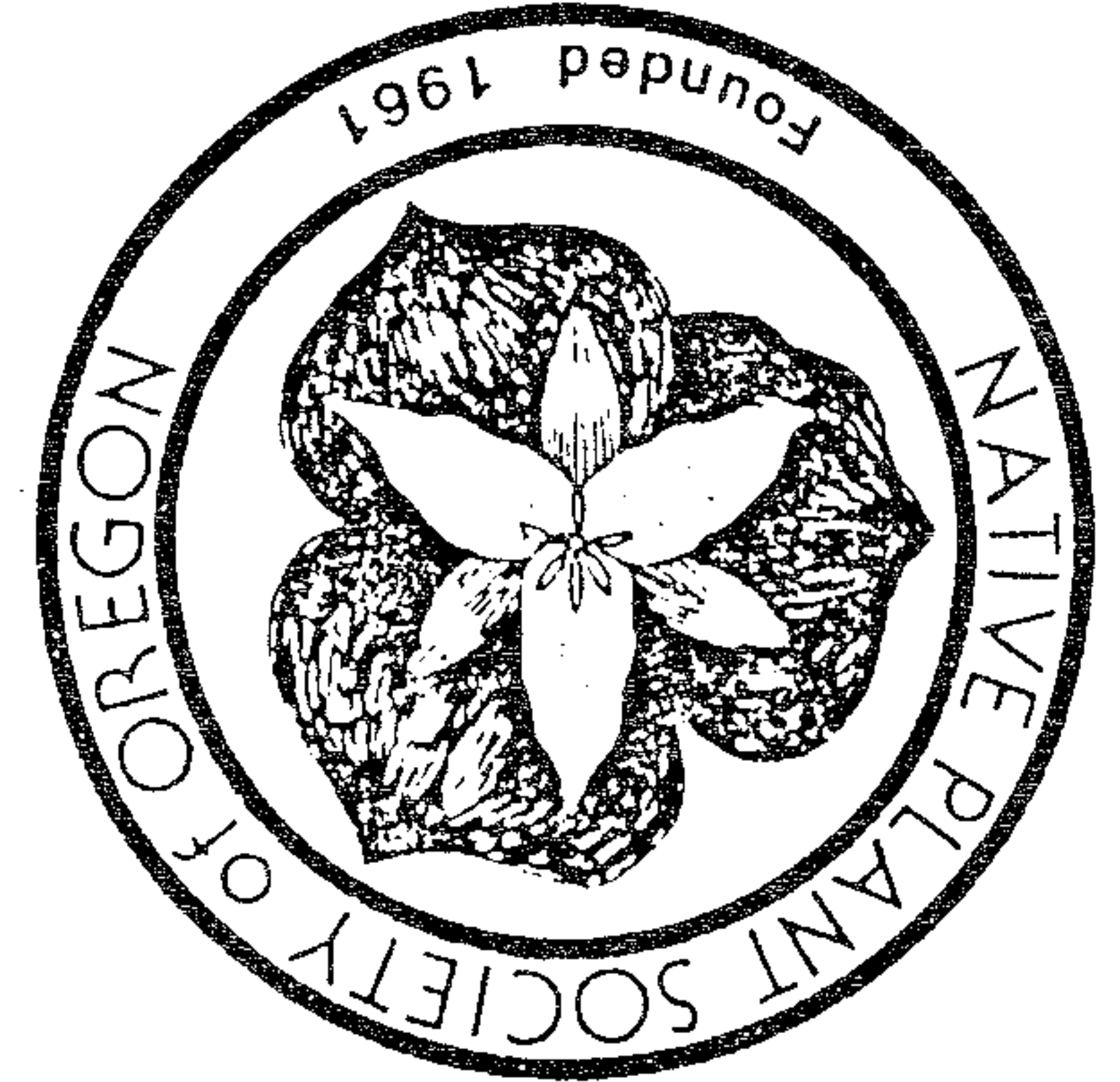
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