

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. 4

April 1985

----- EDITOR TAKING LEAVE -----

Angie Evenden will serve as editor for the May & June Bulletins, while usual editor Julie Kierstead takes a break. 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 May & June issues 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.

CHAPTER NEWS

Blue Mountain

The Blue Mountain Chapter met on Feb. 12th, to elect officers & plan field trips for the year. Officers are: Bruce Barnes, President; Hilde Tilgner, Vice President; Harry Oswald, Secretary/Treasurer.

- 27 April, Sat. Field trip, UMATILLA FORKS, led by Bruce Barnes. Meet at Blue Mountain Community College greenhouse at 8:30 a.m.
- 19 May, Sun. Field trip, UKIAH; leader to be determined. Meet at BMCC greenhouse at 8 a.m.
- 8 June, Sat. Field trip, SQUAW CREEK/POVERTY FLATS. Meet at BMCC greenhouse at 8:30 a.m.
- 6-7 July, Sat. Field trip, DUCK LAKE, led by Rachel Sines. Meet at post office in Richland, Oregon, & Sun. 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

- 8 April, Mon. Meeting, 7:30 p.m., Cordley Hall, Room 2087, Oregon State Univ. campus, Corvallis. SIGNS OF SPRING, by David MacManiman. David teaches nature photography at Linn-Benton Community College. His show will usher in spring with a harmony of sight & sound.
- 14 April, Sun. Field trip; an afternoon tour of AVERY & BELLFOUNTAIN PARKS. Meet at 1 p.m. in parking lot at NE corner of Cordley Hall (Orchard & 26th St.). Contact Esther McEvoy, 754-0893 for information about field trips.
- 27 April, Sat. Field trip to BALD HILL near Corvallis. This will be a strenuous afternoon hike. Meet at 1 p.m. in parking lot at NE corner of Cordley Hall. Leader: Paul Hammond.
- 27-28 April GLIDE WILDFLOWER SHOW, 20 mi. E of Roseburg on Hwy. 138; at Glide Community Center.
- 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. Tentative field trip over Labor Day weekend to Steens Mt. with Northern Nevada Native Plant Society members; led by Carolyn Wright.

Emerald

The Emerald Chapter held elections at its March meeting. New officers are: Valerie Sloane, Vice President; Evelyn Everett, Treasurer; Janelle Sorensen, Secretary. No consenting candidate for President was found-- please call Gaylee Goodrich, nominating chair, with your nomination for Emerald Chapter President; 485-3453.

- 3 April, Mon. Meeting, 7:15 p.m., Amazon Park Community Center, north craft building. Jacque Greenleaf will present a slide show on SERPENTINE WILDFLOWERS OF SOUTHWEST OREGON.
- 13 May, Mon. Meeting, 7:15 p.m., Amazon Park Community Center, north craft building. Dr. Rhoda Love will give a presentation & show slides of MOUNT PISGAH ARBORETUM.
- 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.

* * * * * PLEASE NOTE, EMERALD CHAPTER MEETING DATE HAS BEEN PERMANENTLY CHANGED TO THE SECOND MONDAY OF THE MONTH * * * * *

High Desert

- 27 April, Sat. Field trip to PAINTED HILLS. Meet at McDonalds at 8:30 a.m.

Mid Columbia

- 3 April, Wed. MEETING, 7:30 p.m., Mosier School.

North Coast

--- For information about April 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. Unless otherwise stated, our meeting place will be the K-Mart at NE 122nd & Sandy Blvd. (exit I-84 at 122nd northbound). Meet at the south end of the parking lot. Bring lunch, liquids, and all-weather clothing.

- 6 April, Sat. Field trip, McCORD CREEK AREA. Identify flowers growing in the forest, near waterfalls, on talus slopes, & rocky cliffs. Meet at 8:30 a.m. at the K-Mart (see directions above). Leader: Dave Dobak, 643-2213.
- 9 April, Tues. Meeting, 7:00 p.m., First United Methodist Church, 1838 SW Jefferson, Portland. How are the plants on Mt. St. Helens getting along? We'll find out from Jim Gale, head naturalist, Mount St. Helens National Volcanic Monument, in LIFE ON A ROCK IN THE CRATER (and elsewhere).
- 13 April, Sat. Field trip, RIDGEFIELD NATIONAL WILDLIFE REFUGE: CARTY UNIT. This part of the refuge is located just north of Ridgefield, WA. Take I-5 north to exit 14. Turn west on the exit road & follow it through town where it turns right (Main St.). Continue on for a few minutes until you see the refuge sign as you go up a hill on the edge of town (ignore any signs to other refuge units south of Ridgefield). Meet at the parking lot at 10 a.m. Leader: Shep Wilson, 228-7823.
- 20 April, Sat. Field trip, CAMASSIA PRESERVE. Join Glenn Walthall, 644-0745, at Camassia to see the diversity of flora in this small Nature Conservancy preserve near Portland. Meet in front of the West Linn High School at 9:30 a.m.
- 27 April, Sat. Field trip, SILVER CREEK FALLS STATE PARK. Enjoy the spring flowers & the many falls on this 7 mile loop hike. Meet at Handyman, 15550 SE McLoughlin, Milwaukie, at 8:30 a.m. (between Fred Meyer & G.I. Joe's). Leader: Virginia Diegel, 645-1344.
- 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, 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.

Siskiyou

- 11 April, Thur. Meeting, 7:30 p.m., Room 171, Science Bldg., SOSC campus, Ashland. Wayne Rolle will speak about BOTANIZING ALONG WIMER ROAD in Josephine & Curry Counties--this is the remote North Fork Smith River country.

- 21 April, Sun. Field trip, LOWER TABLE ROCK; a joint trip with the Sierra Club. Meet at Touvelle Park at 1 p.m. This is our best guess at when wildflowers will be in full display. Leaders are Diane Meyer & Shelley Tanquary, 535-3011.
- 5 May, Sun. Field trip, PRESCOTT PARK ON ROXYANNE HILL. This is the City of Medford's new undeveloped parkland. It contains fine examples of oak woodland, valley foothill, & chaparral plant communities. Meet at Medford's K-Mart parking lot at 1 p.m.; call 482-2263 for more information.

Willamette Valley

- 15 April, Mon. Meeting, 7:30 p.m., First United Methodist Church, corner of Church & State, Salem; meet in the Carrier Room. Susan Kephart will present an illustrated update on the population biology of the endemic coastal plant Silene douglasii var. oraria. This will be the last meeting of the year.
- 27 April, Sat. Field trip, TRYON CREEK STATE PARK; no leader as yet. Contact Clint Urey, 743-2802.
- 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 K-Mart S. on Mission St. at 8 a.m., or at WOSC Science Bldg. in Monmouth at 8:30. Contact Clint Urey, 743-2802, for more information.
- 11 & 12 May 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 park. Willamette Valley Chapter members who wish to help may contact Larry Scofield at 787-3833.

CENTER SEEKS ENDANGERED SPECIES INFORMATION

The Center for Environmental Education, under contract to the Council on Environmental Quality, is reviewing the Environmental Protection Agency's compliance with the Endangered Species Act, especially with regard to its implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Of particular concern are the direct effects of pesticide application on endangered species, as well as the effects of application on ecosystems in which such species occur.

CEE is seeking information concerning the injury or death of endangered or threatened animals or plants in connection with the use of chemicals controlled by FIFRA. Individuals who have such information or who are otherwise interested are urged to contact Roger E. McManus, Executive Director, Center for Environmental Education, 624 9th Street, NW, Washington, D.C. 20001.

Ann Tattersall
Emerald Chapter

LEGISLATIVE MEETING - APRIL 13th

There will be a NPSO legislative committee meeting on Saturday, April 13th, from 11am to 2:30pm in the herbarium library, Cordley Hall 4083, at Oregon State Univ. in Corvallis. The main focus of the meeting will be to define objectives for an endangered species bill for the state of Oregon. You are encouraged to attend this important meeting. For further information contact Esther McEvoy at 754-0893.

FORESTS OF KENYA

On Tuesday, April 9, The Nature Conservancy & the Western Forestry Center will present the last in their series on Forests and Grasslands. Having recently returned from a forestry tour of Kenya, Jill & Peter MacDonald will present their findings of the economic & environmental impact of current forestry practices in Kenya. The slide show will be held at Forest Hall of WFC, at 7:30 p.m., & is free and open to the public.

THE INCA EMPIRE: PERU TO CHILE

The next travelogue lecture/slide presentation at the Willamette Science & Technology Center will be about the 2500 mile stretch of South America from Ecuador to central Chile. Highlights include the city of Cuzco, capital of the vast Inca empire, Machu Picchu, Lake Titicaca, and the rainless Atacama Desert of Chile. The natural history focus will be on vegetation such as the native Puya species, the northerly orienting Copiapoa cactus, and the matorral zone of central Chile.

The presentation, by field biologist Gail Baker, will be offered Tuesday, May 7, 7:00 p.m. at WISTEC, 2300 Centennial Blvd., Eugene. Admission is \$2.00 for adults, \$1.00 college students & seniors, & \$.75 for children. Audience members can obtain lists of recommended reading and can peruse the maps, books, and ethnic artifacts on display. For information call 484-9027.

FLOWERS FOREVER

by Rhoda Love

Agency	1985 Budget	Our Goal
BLM	\$2.7 m	\$5 m
Forest Service	\$2.5 m	\$5 m

This month I am reprinting for Bulletin readers the following (slightly modified) letter I received this month from Faith Thompson Campbell, PhD, a botanist with the Natural Resources Defense Council, Inc., in Washington D. C. Faith writes concerning reauthorization of the Federal Endangered Species Act. Bulletin readers may feel that we have just finished reauthorizing the ESA--and they would be right! The Act must, however, be reauthorized by Congress EVERY 2 YEARS in order for protection of our nations's Rare and Endangered plants and animals to continue. As Faith writes:

Dear ESA Activist:

Here we go again! Once more, Congress is considering reauthorization of the Endangered Species Act (ESA). Authority to spend federal money to protect endangered species will expire in October unless Congress acts.

As in 1982, conservation organizations are working together to ensure reauthorization of a strong ESA. At present, one of the crucial weaknesses of the ESA is inadequate funds. This has particularly affected rare plant species because they are still under-represented on the lists and in recovery efforts of all agencies. The Bureau of Land Management (BLM) manages 300 million acres on which live 86 listed species (62 animals and 24 plants) and almost 800 "candidates" for listing (OVER 600 OF THEM PLANTS). This year, BLM is actively conserving about half of the listed species. The Forest Service's 191 million acres are home to 65 listed species and an unknown number of candidates; once again, plants predominate in the latter category. The Forest Service is currently doing serious conservation for only 11 of the listed species, NONE OF THEM PLANTS. If you would like to receive more information on these agencies' programs, please drop me a note. Please enclose \$1 to cover the costs of mailing and copying.

I urge you to begin writing NOW to members of the House and Senate Appropriations subcommittees on Interior to request the following increases in funding for endangered species programs. Please include any examples you know of BLM or FS failing to conserve listed species.

The members of the subcommittees are:
House: Sidney Yates (D-IL), Murtha (D-PA), Dicks (D-WA), AuCoin (D-OR), Beville (D-AL), McDade (R-PA), Regula (R-OH), Loeffler (R-TX); Senate: James McClure (R-ID), Stevens (R-AK), Laxalt (R-NV), Garn (R-UT), Cochran (R-MS), Weiker (R-CT), Byrd (D-WV), Johnston (D-LA), Leahy (D-VT), DeConcini (D-AZ), Burdick (D-ND), Bumpers (D-AR).

House members may be written at US House of Representatives, Washington, DC 20515; Senators at US Senate, Washington DC 20510.

I believe you will want to support NRDC's campaign to ensure continuation of a strong endangered species program and to increase conservation efforts for plant species. Keeping close contact with Congressional staff is time consuming. Mailing crucial information to you and other activists is increasingly expensive. You will receive from me a regular newsletter, the Endangered Species Act Reauthorization Bulletin, affectionately known as "ESARB". Also I will supplement this with memoranda on specific issues. I hope you will help by contributing as generously as you can to NRDC's Plant Conservation Project. (NPSO has contributed in the past and will undoubtedly continue to support this worthwhile cause. R.L.)

Thank you very much for your help on both the political and financial levels. I look forward to working with you on this important project.

Sincerely,
Faith Thompson Campbell

NPSO members who wish to send information or individual contributions to the NRDC Plant Conservation Project can reach Faith at the following address: 1350 New York Ave. NW, Suite 300, Washington, DC 20005.

And NPSOers, please remember to write to your Oregon State representatives urging them to support an Oregon ESA.

Flowers Forever,
Rhoda Love

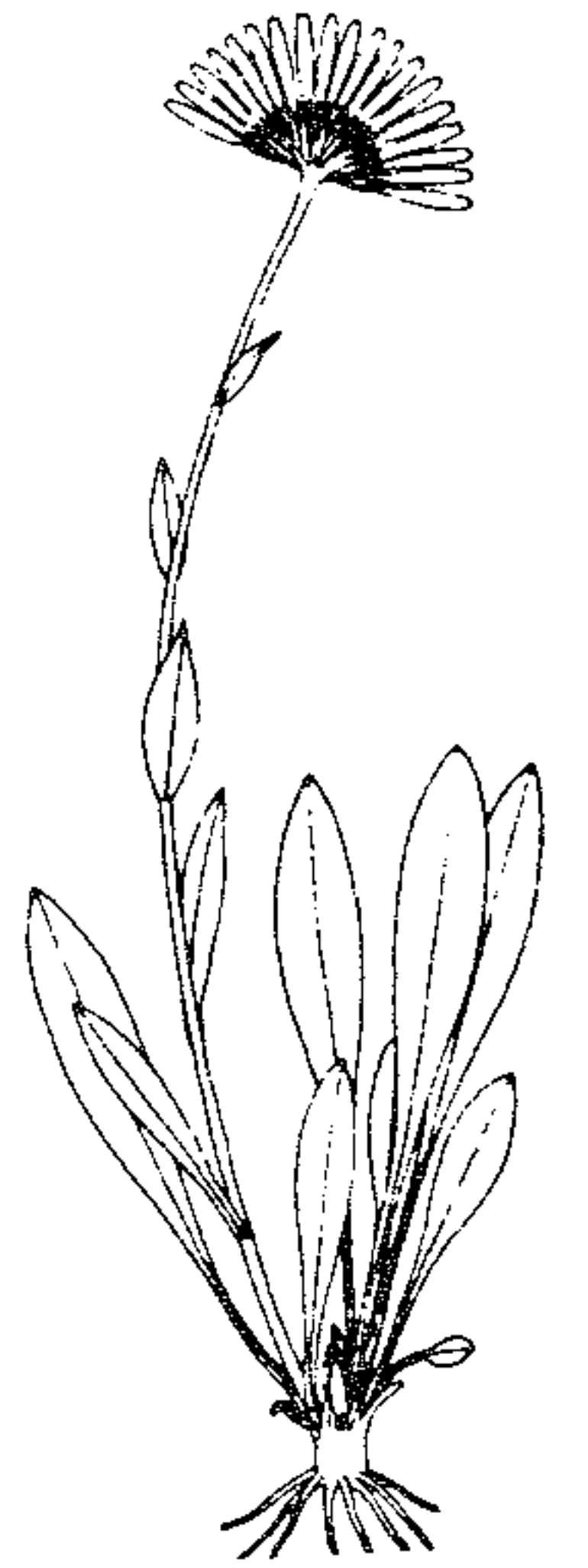
WHEN IS A VARIETY A SUBSPECIES?

If you have ever felt confused about the terms "variety" and "subspecies" in the names of plants, don't worry--you have plenty of company. The usage of these two categories is so mixed up, that even a professional taxonomist is hard-put to explain it. Yet there are some real differences, because in the official rules of botanical nomenclature, the two terms refer to two distinct levels in the hierarchy of named categories. Both represent taxonomic levels below the species level; that is, they are subdivisions of species. However, subspecies are higher in the hierarchy than varieties. They represent the larger or major subdivisions, while varieties are the smaller or minor subdivisions. This distinction seems to be quite clear and understandable, but it has gotten confused by the inability of botanists to agree as to what is "major" and what is "minor." On top of that, some people argue over whether there is a real need for two subdivisions for most species, or whether just one subspecific category would be sufficient.

It is the term "variety" that seems to cause the most trouble, because it has at least three alternative meanings. As a technical category for the scientific naming of plants, it is actually the Latin word varietas (plural varietates), for which var. is the usual abbreviation. In the tradition established by Carl Linnaeus, this term was applied to the major subdivisions of species. It was not until the early 20th century that the use of subspecies as a botanical category became popular. All the early books on plants of the Pacific Northwest region, by authors such as W. J. Hooker, Asa Gray, Sereno Watson, and Thomas Howell, used only one subdivision for their species--namely, varietas. Today, however, we must use the modern rules of botanical nomenclature, which give a subordinate status to this traditional term and assign the category subspecies (abbreviated subsp. or ssp.) to the major subdivisions of species in the plant kingdom.

An example of correct usage would be the name Erigeron peregrinus subsp. callianthemus var. scaposus, on page 515 of "Flora of the Pacific Northwest." What this name says is that in the genus Erigeron there is a species called peregrinus, which has two major subdivisions; one of these, named callianthemus, is divisible into smaller units and for one such unit we assign the name scaposus. The major groups, the two subspecies, differ in some important traits of the flower-heads and occur in different geographical areas. One is northern and coastal, extending from Alaska to northwest Oregon, while the other (ssp. callianthemus) is interior and southern, with a range from British Columbia and

subsp. *callianthemus*
var. *scaposus*



Erigeron peregrinus



subsp. *callianthemus*
var. *callianthemus*

(Illustrations on this page are from Hitchcock et al., *Flora of the Pacific Northwest*; used with permission from the publisher.)

SUMMER FIELD TRIPS TO BLM WILDERNESS STUDY AREAS

The Bureau of Land Management is completing the Draft Environmental Impact statement phase of planning on the Wilderness Issue on BLM lands in Oregon. The DEIS will be published in late April and will be circulated to the public for review and comments. The formal comment period will be 120 days.

NPSO as an organization of individuals concerned with preservation and conservation of native plants will be involved with the study of the DEIS and related documents. In order to give effective and useful input to this planning work, we need information from field trips and from data files to become better informed about botanic values of these Wilderness Study Areas. Many of the presently listed WSAs have little or no botanical information available. Too few botanists have visited these areas.

BLM and conservation groups need more botanical information to manage and protect potentially important habitats and individual sensitive species, and are looking to groups like Audubon, Sierra Club, Oregon Rare and Endangered Plant Project, Oregon Natural Heritage Data Base, NPSO, Isaac Walton League,

Wilderness Society, Sage Association and ONRC to identify these important areas.

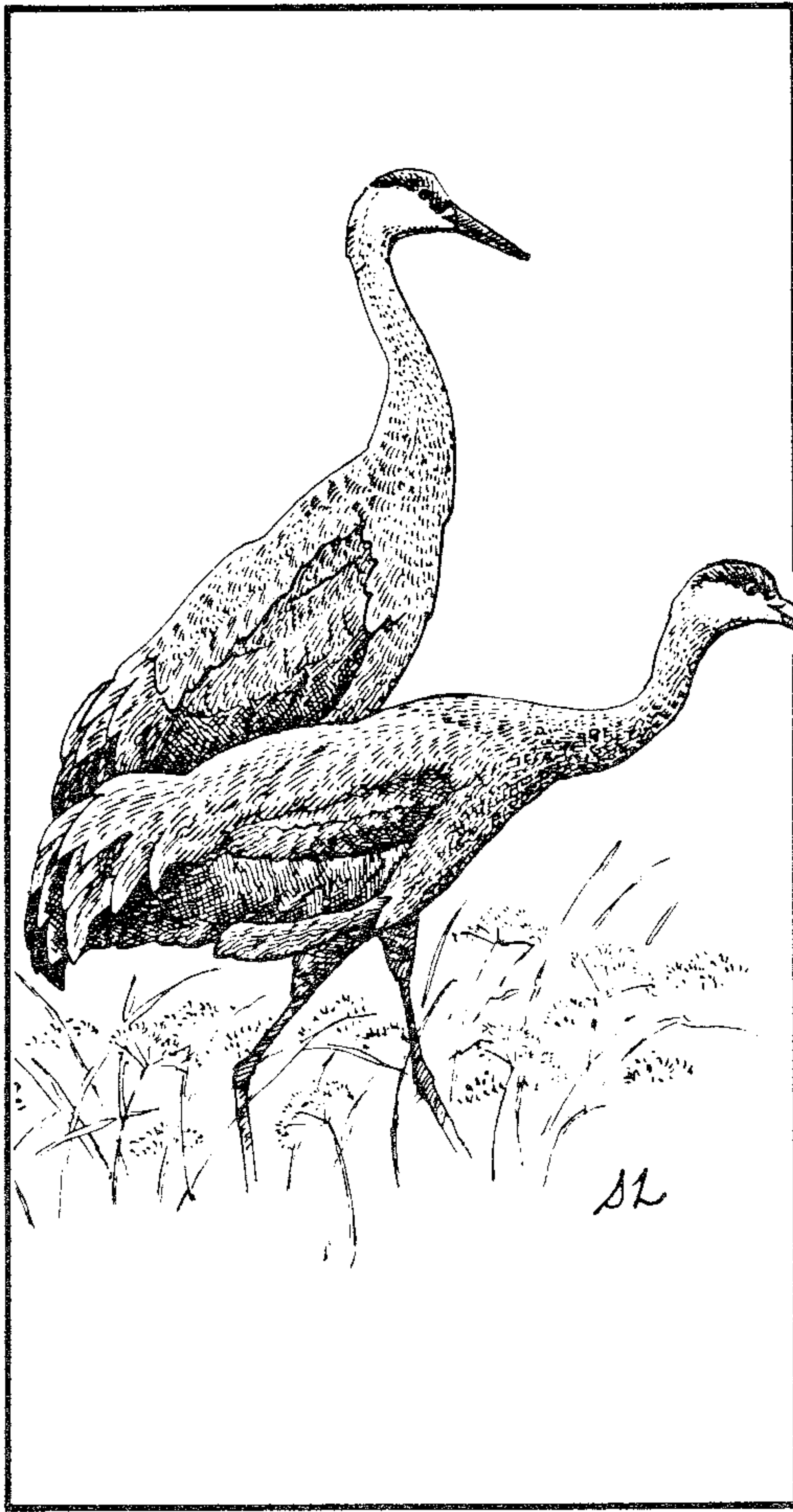
Field trips are being organized this summer so that NPSO members and friends may have the opportunity to travel to some WSAs to better understand the botanic resources. At least 6 organized field trips have been scheduled and listed. I encourage interested people to consider attending one of these organized trips during your summer vacation. Individuals and groups can also be of great assistance by visiting other WSAs (there are 87 of them), by collecting data, and making reports of their findings. People who are considering trips to WSAs this summer are asked to keep in touch with NPSO Desert Wilderness Committee members, so that we can coordinate our efforts, and compile useful reports of our findings.

Presently scheduled field trips are listed in this Bulletin. Next month a detailed description will be published for each trip. Interested people should call Barbara Fox, 659-2445, or the trip leader for information or to register for the trip.

Area	Date	Leader	Comments
John Day River	May 24-27	Barbara Fox 659-2445	A river rafting trip to survey river level habitats. Some cost involved for rafts and guides.
Aldrich Mtn	May 31, June 1 & 2	Angie Evenden 246-8646	Near Dayville and Ocochos: John Day River to ridge tops
Spring Basin	June 15	David Danley Naturalist at Sun River 593-1221 Ext. 394	Rolling plateau lands above John Day River near Clarno. Mini bus available from Bend and Madras to area.
Guano Creek	June 21-24	Rick Brown 222-1146	High rolling country south of Hart Mtn. Antelope Refuge
Steens, Malheur, Blitzen River and Blitzen Gorge	July 4th weekend	Several trips and leaders. Call Barbara Fox, 659-2445	Two or three trips are planned in this area Depends on snowpack and accessibility
Pueblo Mtn	July 20, 21 and/or July 27, 28	Carolyn Wright 753-5120	Large mountainous area between Steens and Nevada border

Pacific University's Malheur Field Station

SUMMER PROGRAM



Sandhill Crane
Grus canadensis

Fourteen selections in the three-week summer courses at Malheur Field Station fulfill a natural scientist's love for diversity. Covering many subject areas in field sciences, Malheur's courses are again the most diverse selection of their kind available and continue the strong liberal arts, undergraduate field tradition of Malheur. Students take one course full time for three weeks in classes that average 6-10 students per instructor.

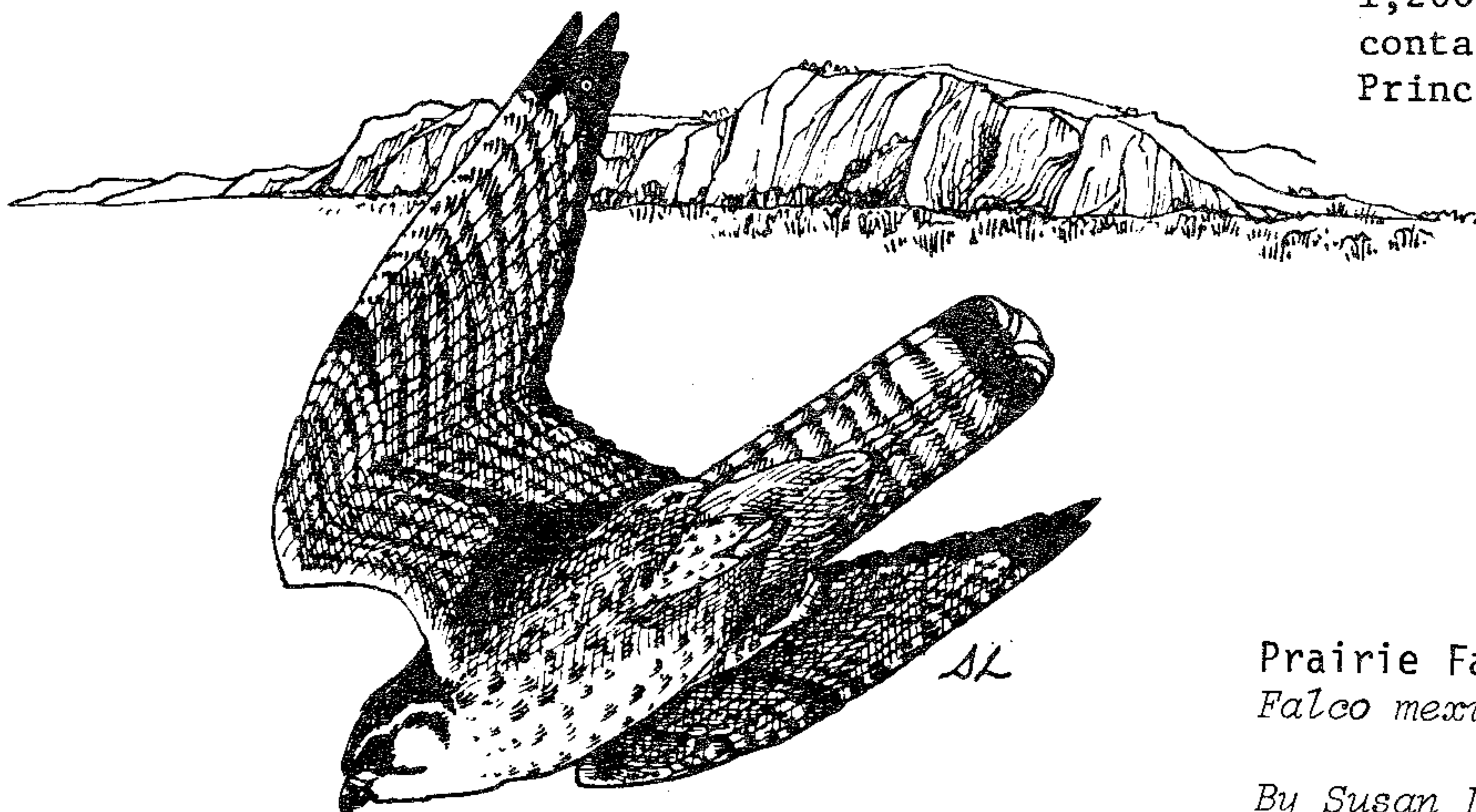
"Nothing available on-campus or anywhere else can compare with the depth of learning and the fullness of the hands-on field experience which is available through the summer courses at MFS," said Ethen Perkins, program and co-director for the station. "Students frequently find that their experiences at a field station are the most significant in their college education. Non-traditional students keep coming back for other classes because they find the learning situations so stimulating and rewarding."

Session I begins June 16 and ends July 6. Classes available are: "Aboriginal Life Skills of the Northern Great Basin", taught by Jim Riggs; "Fossils and the Record of Ancient Life in Oregon", taught by Herb Meyer; and "Plant Ecology", offered by Lucile Housley.

Classes beginning July 7 through 27 are: "Advanced Aboriginal Life Skills" with Jim Riggs, "Field Ornithology", led by Carrol D. Littlefield; "Biota and Volcanic Landforms", taught by Ellen Benedict; and "Field Entomology", taught by Glenn Walthall.

From July 28 to August 17, courses at MFS will be: Sue Foster's popular "Natural History" class; Karl Holte's field botany course "Flowering Plants of Steens, Hart, and the Strawberry Mountains", Errett Callahan's intensive "Flintknapping Technology"; Jim Riggs' ethnobotany course "Native Uses of Basin Plateau Plants"; and Stephen Lindsay's new course, "Field Mammology".

Course costs are \$445 (\$425 for MFS Consortium school students or faculty) and include tuition, room, board, transferral of 4 semester (6 term) hours of college credit from Pacific University and as much as 1,200 miles of class travel. For more information contact Directors, Malheur Field Station, Box 260 E, Princeton, OR 97721, phone (503) 493-2629.



Prairie Falcon
Falco mexicanus

By Susan Lindstedt, Malheur Field Station

Alberta to California and New Mexico. In both subspecies, however, there are recognizable geographical races that differ in traits such as leaf shape, pubescence, and ecological adaptation. These smaller units are named as varieties, with var. scaposus representing dwarfed alpine plants having large, blunt basal leaves and few flower-heads. This detailed discussion of a single example illustrates that a naming system using all four categories--genus, species, subspecies, and variety--can be precise and informative. However, it can also be cumbersome if four names must be repeated each time we refer to a plant. In fact, we are allowed to skip the subspecies name if we wish, and simply refer to the alpine form as Erigeron peregrinus var. scaposus.

Another meaning for the term "variety" is found in horticulture, where it refers to cultivated varieties or "cultivars." Many ornamental and crop plants have been crossed, selected, and propagated to yield arrays of distinctive, often self-perpetuating forms which we name as cultivars. Such names are usually in English or other non-Latin languages. In grasses, for example, one finds cultivars called Highland bent and Gaines wheat, in rhododendrons there are Vulcan and Unique, and in apples we have Golden Delicious and Rome Beauty. Cultivated varieties, while important to us humans, are impermanent entities which depend on cultivation to survive. Therefore, their names must be kept separate from, and not confused with, the nomenclature of naturally evolved species, subspecies, and varieties.

From the above discussion, one would suppose that subspecies and varieties should be clearly distinct categories. Unfortunately, this is not so; tradition dies hard, and some botanical authors still use varietal names for the major subdivisions of species. The same plant group may be named a variety in one book and a subspecies in another. We have this problem, to some extent, with the standard references used to identify the higher plants of Oregon. Publications by C. L. Hitchcock and Arthur Cronquist, such as "Vascular Plants of the Pacific Northwest" and "Intermountain Flora," make frequent use of the varietal category and rarely refer to subspecies. Morton Peck's "Manual of the Higher Plants of Oregon" and Philip Munz's "A California Flora" are mixtures; they use varieties alone in some genera, subspecies alone in others, and sometimes a combination of both categories in a single genus. Small wonder, therefore, that users of these books may get the impression that the terms variety and subspecies are, in practical terms, identical.

Zoologists do not have the problems described above, because they allow only one category below the species, which is the subspecies. No such things as varieties exist in animal names. Some botanists have

proposed to change the rules for plants, so as to fit the zoological model, but this suggestion has consistently been voted down at the international meetings where such changes would have to be made. Until and unless we botanists get over our love for the traditional terminology of varietas, everyone must continue to live with the ambiguous and frequently interchangeable categories "var." and "subsp." in the names of plants.

Kenton L. Chambers
Oregon State University

W e l c o m e N e w M e m b e r s

Blue Mountain Chapter
Hilda Tilgner

Corvallis Chapter
Jim & Karen Fairchild
Judy Jernstedt

Emerald Chapter
Charles Patton
Leslie Harris

Portland Chapter
Michael D. Jones
Nancy Shogren
Margaret LaFaive
Richard Mishaga
Susanne Ebers

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MEMBERSHIP

Membership Chair Mary Falconer
 1920 Engel Ave. NW, Salem, OR, 97304; 585-9419
 Membership in the Native Plant Society of Oregon is
 open to all. Membership applications & changes of
 address (including old address & zip code) should be
 sent to the membership chair.

BULLETIN

Editor Julie Kierstead
 11505 SW Summerville, Portland, OR, 97219; 636-4112
 The NPSO Bulletin is published monthly. Copy is due
 by the 10th of the month, & should be sent to the
 editor. News, articles, photos, drawings, & non-
 copyrighted material are welcomed.

GUIDELINES FOR CONTRIBUTORS

The Bulletin is not typeset; therefore typed,
 camera-ready copy is much appreciated. But
 no submission will be rejected because it is
 not typed. Please proofread & check facts.

DEADLINE: 10th of each month
FORMAT: Copy should be typed in 4¼ inch wide
 columns, of any length. Author's name & chap-
 ter affiliation (or other organization) are
 typed at the end of the article. There is no
 standard paragraph treatment; one of these
 is suggested:

* for long articles, double space between
 paragraphs, but do not indent the first
 word of the paragraph

* for short articles or short paragraphs,
 when double spacing looks odd, indent
 the first word of the paragraph instead

Type your own headline, centered, all caps.
 In case of special formats, e.g. plant keys,
 you are free to choose the layout.

CREDITS: For each submission, provide

* title
 * author--specify whether byline is desired
 for news items

* instructions as to whether item is to be
 used in entirety or excerpted at editor's
 discretion

* source & date if item is not original

ILLUSTRATIONS: black & white prints, ink
 drawings, woodcuts, halftones, et al. We
 welcome small doodles as well as larger
 efforts. Please give source & date, if not
 original.

SCIENTIFIC NAMES should follow Hitchcock &
 Cronquist's Flora of the Pacific Northwest
 where possible. Use of both scientific &
 common names is encouraged. Genus & species
 names are underlined or italicized.

RETURN OF ORIGINALS: Manuscripts & illustra-
 tions will not be returned unless it is
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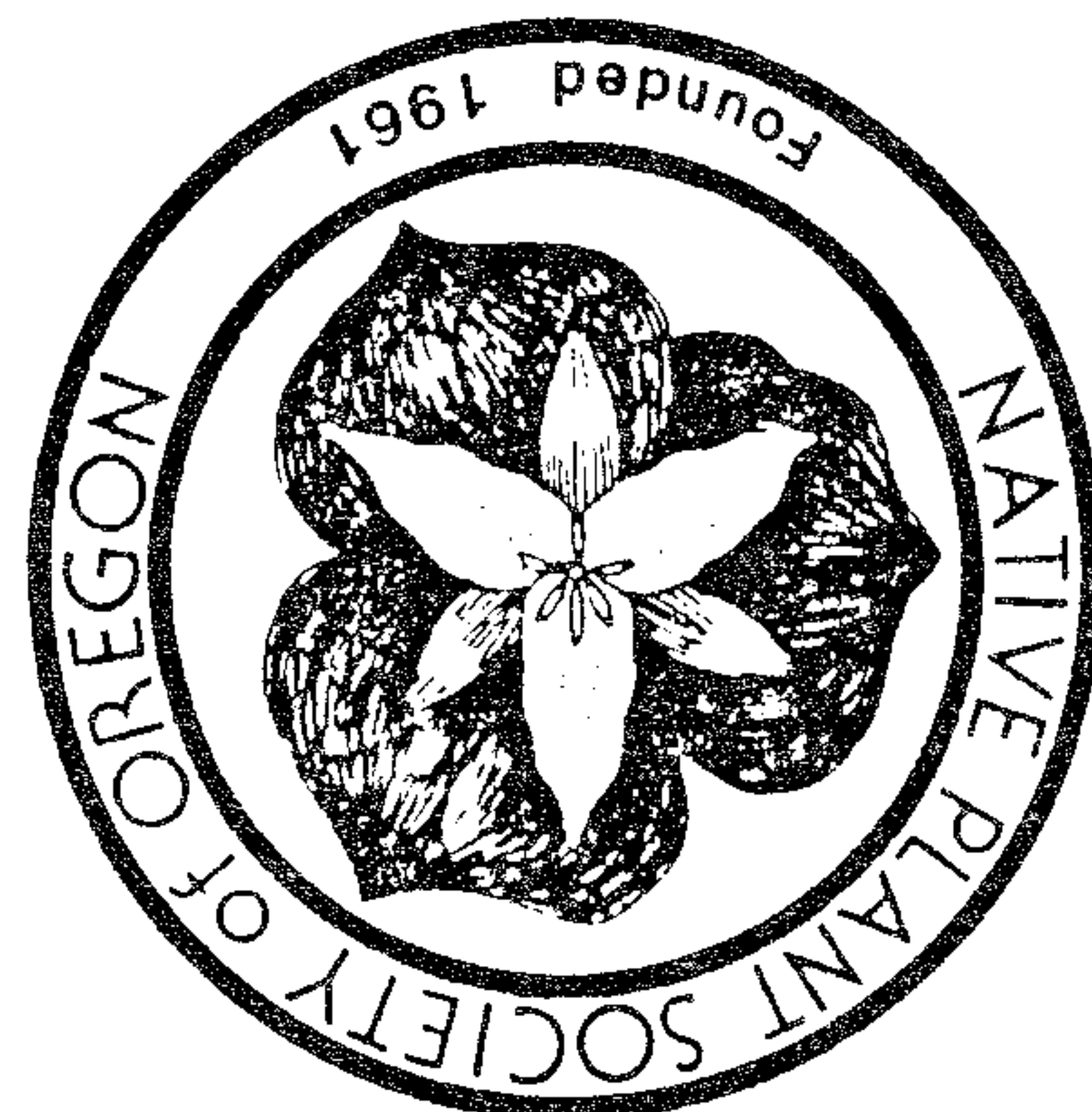
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