

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 21 No. 10

October 1988

ISSN 0884-5999

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

For information, contact Bruce Barnes (276-5547).

Corvallis

10 Oct., Mon.

Meeting. 7:30 pm at Rm. 4083 Cordley Hall, OSU, Corvallis. Program by Peter Zika and Carol Savonen: "Natural History of Mt. Kilimanjaro. Climbing from Thorn Forest to Glaciers on Africa's Highest Peak."

29 Oct., Sat

Field trip to the western Cascades for a mushroom foray. Contact Dan Luoma (758-8063) to sign up.

Emerald

10 Oct., Mon.

Meeting. 7:30 pm at Amazon Community Center, 2700 Hillyard St., Eugene. Slide show on Natural History of Costa Rica by Marjorie Willis, State NPSO Vice-President and employee of Oregon State Parks Department.

High Desert

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

Mid-Columbia

5 Oct., Wed.

Meeting. 7:30 pm at Mosier School. "Adirondack Wildflowers" will be the feature program presented by Mike Fahey, member of both Oregon and Washington Native Plant Societies.

2 Nov., Wed.

Meeting. 7:30 pm at Pietro's Pizza Place, 3320 W 6th, The Dalles. Carolyn Wright and David Gross will relate their experience in the discovery of the previously presumed extinct Golden Buckwheat (*Eriogonum chrysops*). Come earlier, 6:30 pm, for a no-host pizza dinner.

North Coast

For information, contact Clarice Maxwell (842-7023).

Portland

1 Oct., Sat.

Field trip to Sheep's Canyon on southwest slope of Mt. St. Helens. Leave at 8 am from Lloyd Center parking lot nearest NE 16th and Clackamas. Leader: Charlene Holzwarth (284-3444). 6.4 mile hike.

11 Oct., Tues.

Meeting. 7 pm at First United Methodist Church, 1838 SW Jefferson St., Portland. Esther Hammond will present a slideshow on Oregon Wildflowers. This was postponed from September.

15 Oct., Sat. **Field trip** to Lolo Pass. Leave at 9 am from K-Mart parking lot at Milwaukie Expressway and 82nd Av. Leader: George Lewis (292-0415).

29 Oct., Sat. **Field trip** to a surprise destination for fall color. Leave at 9 am from Gateway MAX Park-and-Ride. Leader: Esther Kennedy (287-3091).

Siskiyou

13 Oct., Thurs. **Meeting.** 7:30 pm at Rm. 171, Science Building, SOSC. Presentation by Dr. Frank Lang, Professor of Botany at SOSC, about local ferns, their biology and ecology.

Willamette Valley

12 Oct., Wed. **Work party and tour** at the Natural Resources Area, State Fairgrounds, at 5 pm. Enter through the red gate on 17th. Come and see the new native plant landscaping exhibit created by the Willamette Valley Chapter for the Wish and Wildlife Department. Help prepare the plants for winter. Some need a wetland home until next summer. Call Margie Willis (581-6073) or Pat Rogers-Rochna (769-4669) if you have some marshy property.

17 Oct., Mon. **Meeting.** 7:30 pm at First United Methodist Church, corner of SE Church and State Sts., Salem (use the Church St. entrance). Jake Hurlbert, amateur mushroom enthusiast, will lead a workshop, "How to Identify Edible and Poisonous Mushrooms of the Willamette Valley and Cascades," using slides and study guides. Bring mushrooms for identification. See details on Oct. 22 foray below.

22 Oct., Sat. **Mushroom foray.** Meet at 8 am at north end of Mission St. K-Mart parking lot to form mushroom hunting groups. Separate to search for and collect mushrooms. Do not dig, just collect entire fruiting body. This is not harmful to the organism, since most of its tissue is underground. Meet again at 11 am at the picnic area at Marion Forks Hatchery on Highway 22 for identification. Consumption of mushrooms is at your own risk! Bring lunch, wax paper, paper bags, and a mushroom guide if you have one. call Jake Hurlbert (585-1672) for information.

Wm. Cusick

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

"Peck" For Sale!

A copy of Peck's *Manual of the Higher Plants of Oregon* (Second Edition) in excellent condition is available for sale. Call Dave Dobak (248-9242).

WILDFLOWER PHOTOGRAPHY DISPLAY AT OMSI

A series of vivid close-up photographs by Claire Siddall of native Oregon wildflowers from the Columbia River Gorge to high alpine meadows will be on display at the Oregon Museum of Science and Industry in Portland from October 1 to December 4, 1988.

Volunteers Wanted

Plans are now being formed for an Environmental Science Explorer Post in the Beaverton area. Sponsored by the Tualatin Hills Park and Recreation District, the post will be based at Tualatin Hills Nature Park (formerly St. Mary's Woods). Membership will be open to young men and women, 14 to 20 years old, who are interested in any aspect of Nature Study as a hobby or potential career.

But before this can happen, volunteer adult leaders are needed. This includes a Post Committee (chairman, post advisor, assistant advisors, secretary, etc.) who are willing to serve on a regular basis and also consultants who would share their particular expertise by speaking, leading, or demonstrating at one or two meetings. If interested in helping with this program, please contact THPRD (645-6433) or Kevin Harding (649-5372).

Wildflower Seed Catalog Offered

The New England Wild Flower Society offers for sale more than 150 varieties of wildflowers and ferns in their *1989 Seed List*. Included are natives for woodland, wetland, and meadow gardens.

Seed sales close March 15, and all requests for the *1989 Seed List* must be received no later than March 1. Send a self-addressed envelope (*10 business size) with 45 cents postage to:

Seeds
New England Wild Flower Society
Garden in the Woods
Hemenway Road
Framingham, Massachusetts 01701

1988 Rare Plant Conference

Every other year a conference is held to discuss the status of rare plants in Oregon. This information is used in part to update the botanical section of the booklet *Rare, Threatened or Endangered Plants and Animals of Oregon*. Specific species are recommended for addition, deletion, or change of status. In addition, this year we will discuss the new state Endangered Species Act and the 16 plant species proposed for state listing through this Act. This meeting will allow for informal input and discussion to the Department of Agriculture.

This one-day conference -- co-sponsored by the Oregon Natural Heritage Data Base, the Oregon Department of Agriculture's Endangered Plant Office, and the University of Oregon Herbarium -- will be held at the Erb Memorial Union on the University of Oregon campus at Eugene on Saturday, November 12, 1988. If you have information on the status of any plants on these lists or have species which may need to be added, please come. All interested people are welcome to attend. Previous participants will automatically receive a notice and tentative agenda.

For more information about this conference, please contact one of the following people:

Sue Vrilakas; Oregon Natural History Data Base
1205 N.W. 25th Ave.; Portland, Oregon 97210
229-5078

Bob Meinke; Endangered Species Program, Plant Division,
Oregon Department of Agriculture
635 Capitol St. NE; Salem, Oregon 97310-0110
378-6458

Dr. Dave Wagner; Biology Department,
University of Oregon
Eugene, Oregon 97403
686-3033

If you can't attend but wish to furnish information for discussion please send your information to one of the people mentioned above.

Where Are They?

Barbara Ertter is working on the genus *Horkelia* in the Rosaceae. She is particularly interested in locating populations of *H. congesta*. Its habitat is listed in Hitchcock *et al.* as: "Open, sandy or rocky flats or sparsely wooded areas; Willamette Valley ... southward to the Umpqua and Rogue R. valleys, ... Apr. - June."

Please send location information to:
Dr. Barbara Ertter
University Herbarium
University of California
Berkeley, CA 94720

— D. L.

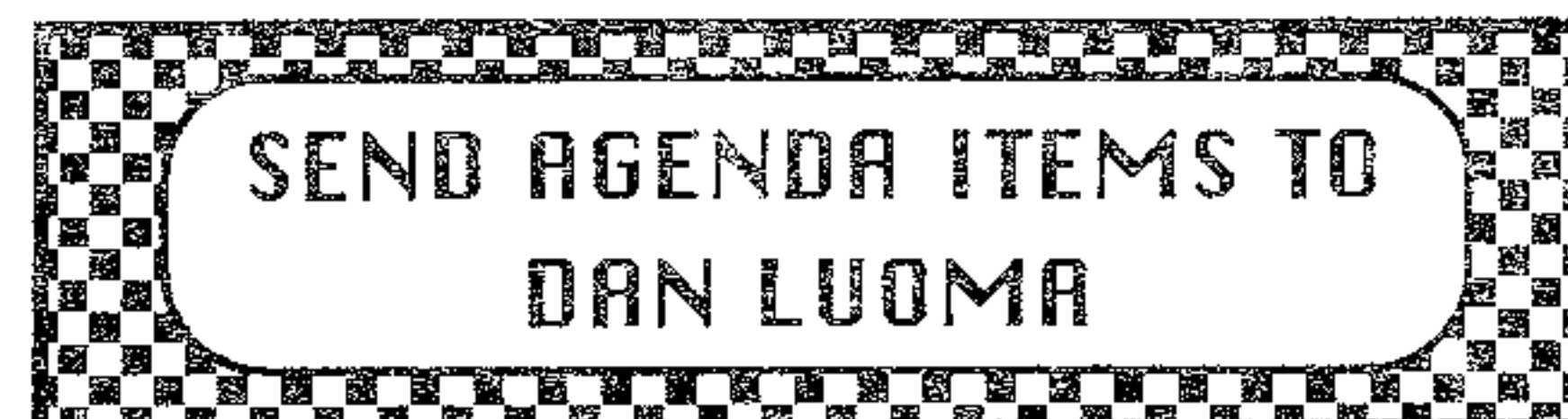
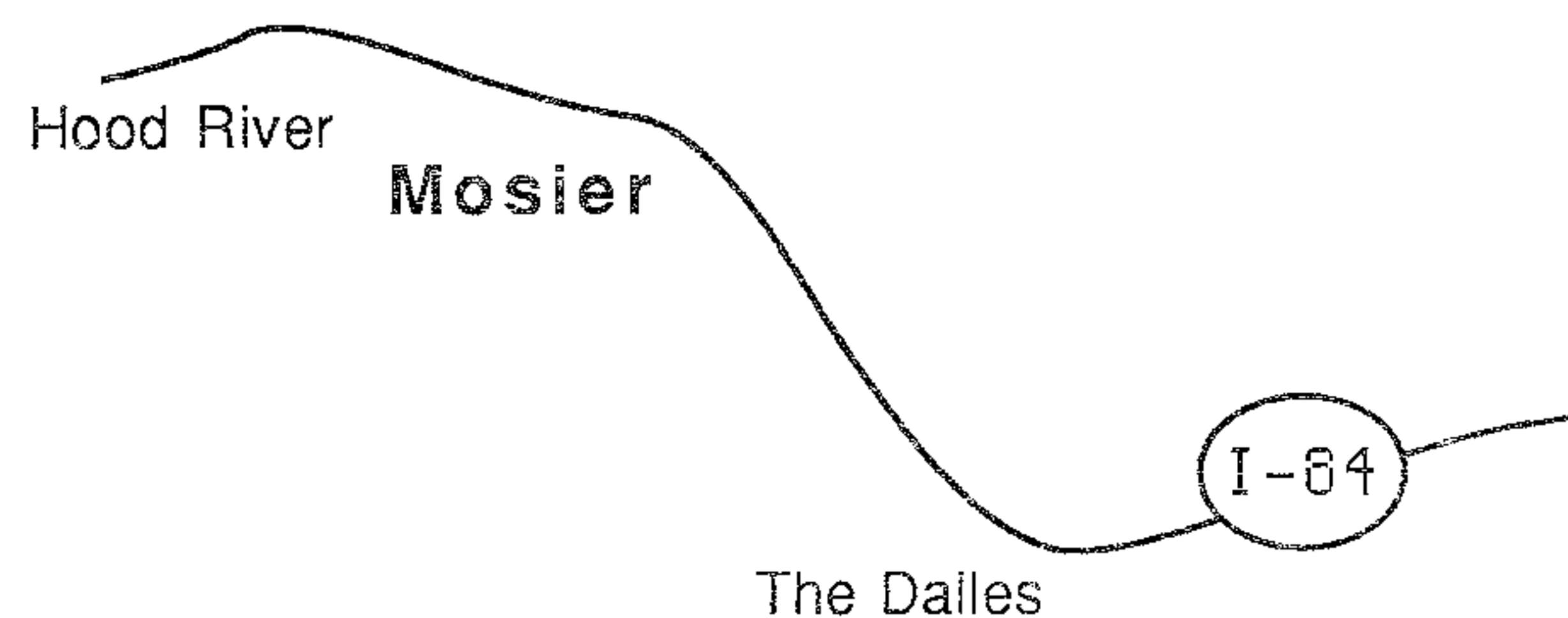
NPSO BOARD MEETING

Mosier School

Mosier, OR

Saturday, October 22, 1988 10 a.m.

The Mosier School is two right turns
just off Freeway Exit 69.
"You can't miss it"



Coffee and refreshments provided.
Bring a sack lunch.

New Forest Service Botanist

Wayne Rolle, an active member of NPSO and past president of the Siskiyou Chapter, has been selected as the botanist for the Rogue River and Siskiyou National Forests. Congratulations to Wayne and the U. S. Forest Service. Hopefully, there will soon be a botanist to oversee the botanical resources of each National Forest.

As a related development, the Jean Davis Memorial Scholarship Committee is pleased to announce another outstanding botany student will be able to receive its scholarship. Tom Kay, current president of the Corvallis Chapter, is studying a rare endemic of Olympic National Park: *Astragalus australis* var. *olympicus* (*A. cottonii*). Tom will use the scholarship to continue his studies under the guidance of Dr. Ken Chambers at Oregon State University.

— D. L.

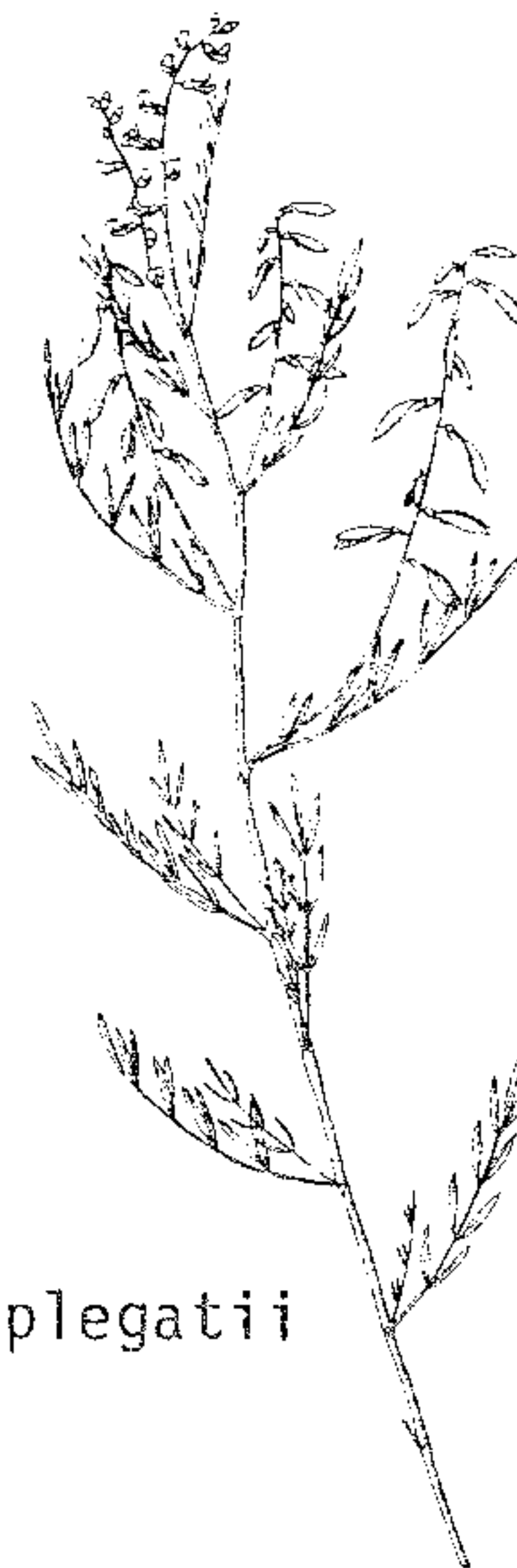
STATE ENDANGERED SPECIES PROGRAM UPDATE

With the 1988 field season now over, it seems appropriate to briefly review some of the recent activities and accomplishments of the state's new endangered species program in Salem. Department of Agriculture botanists have visited many areas of the state this summer, looking to lay the groundwork for future conservation efforts. Although this first year has been relatively fast-paced, progress has been made in several areas, including the pursuit of federal funding support, a push for additional state dollars, the initiation of research projects, and the preparation of a first list of species to be proposed for protection under the Oregon Endangered Species Act.

The fiscal issue is always a crucial one for a program such as ours. This is why we are particularly gratified by recent positive responses from federal agencies from whom we are soliciting funding collaboration for sensitive species projects next year. Over three-quarters of the National Forests in Oregon have already indicated that they are submitting proposals to help finance joint studies in 1989, and several BLM Districts have expressed interest as well. We are also encouraged by the prospects for increased state funding during the next biennium, which may allow us to expand from our current permanent staff of one position. None of these proposals are as yet approved, of course, and we'll have to wait several more months before we know their outcome. A few letters have been written to the Governor and members of the legislature on behalf of the program, and this is appreciated. It's amazing the impact such correspondence can have on appropriations decisions.

Several projects have been started this summer by state employees, some being expansions of work initiated in previous years and others brand new. In addition to considerable field research, computer analyses and biochemical investigations are figuring prominently in these studies. For example, we are learning about the interactions between plant density and pollination, seed development, and flower predation for Baker County's Haplopappus radiatus, information that may help us in predicting what habitat conditions are most suitable for population vigor. With help from a lab technique known as enzyme electrophoresis, we have found out that the Grant County endemic Luina serpentina is probably an ancient relict related to a Coast Range species, and that it has extraordinarily low genetic diversity. The evidence suggests that all populations are virtually identical genetically, potentially leaving the species little flexibility in the face of disturbance or climatic change. We have investigated the effects of human trampling on the reproduction of Lomatium greenmanii on the summit of Wallowa County's Mount Howard, which may receive as many as 600 visitors a day during the summer. Continuing studies of rare Calochortus species in southwest Oregon are shedding light on the changes populations go through from year to year, and have also resulted in the recognition of a spectacular new species, as yet unnamed. This plant may prove to be Oregon's most beautiful, and endangered, mariposa lily.

Finally, the Department of Agriculture is currently preparing to submit its first list of species to be approved for designation as Threatened or Endangered under state law. These sixteen species, listed below, are being recommended (after consultation with technical advisors, the Oregon Natural Heritage Program, and others) based on evidence of threats throughout their geographic ranges. Open meetings will be scheduled later this fall, in different regions of the state, to discuss the merits of these proposals. Written testimony concerning any or all of these proposed listings may also be submitted, and may very well be important in the final outcome (send to: Administrator,



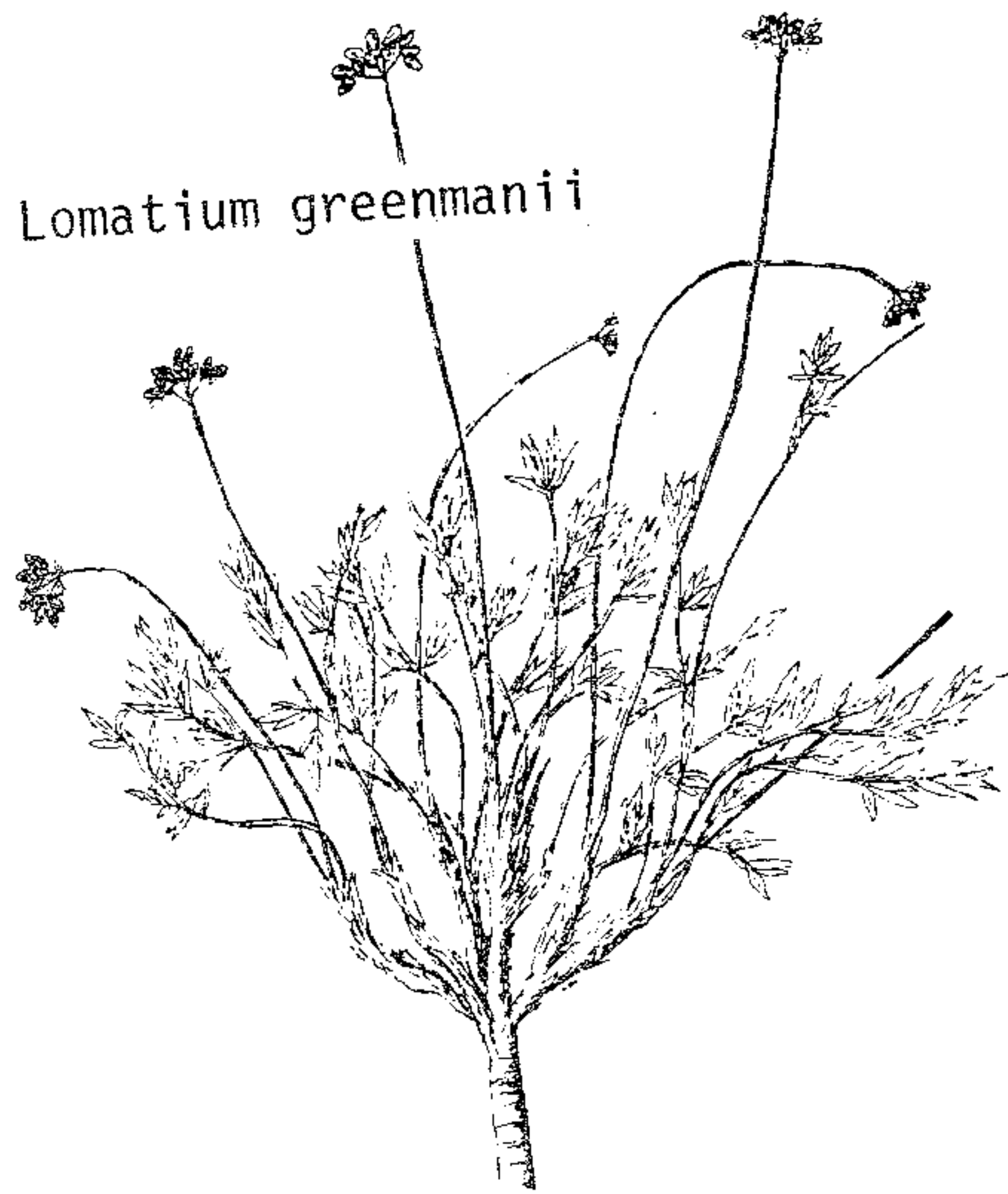
Astragalus applegatii



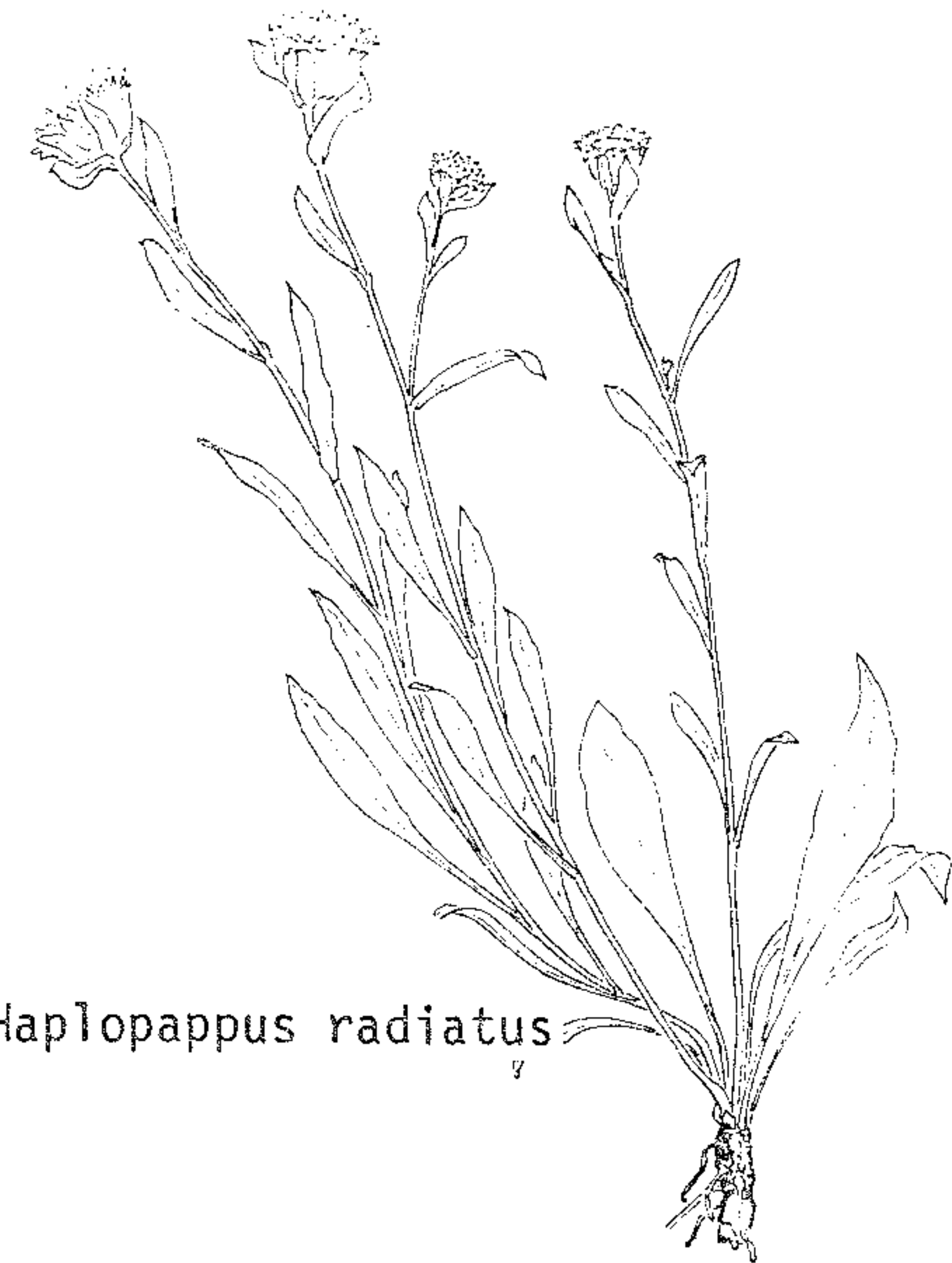
Mentzelia packardiae



Lomatium bradshawii



Lomatium greenmanii



Haplopappus radiatus

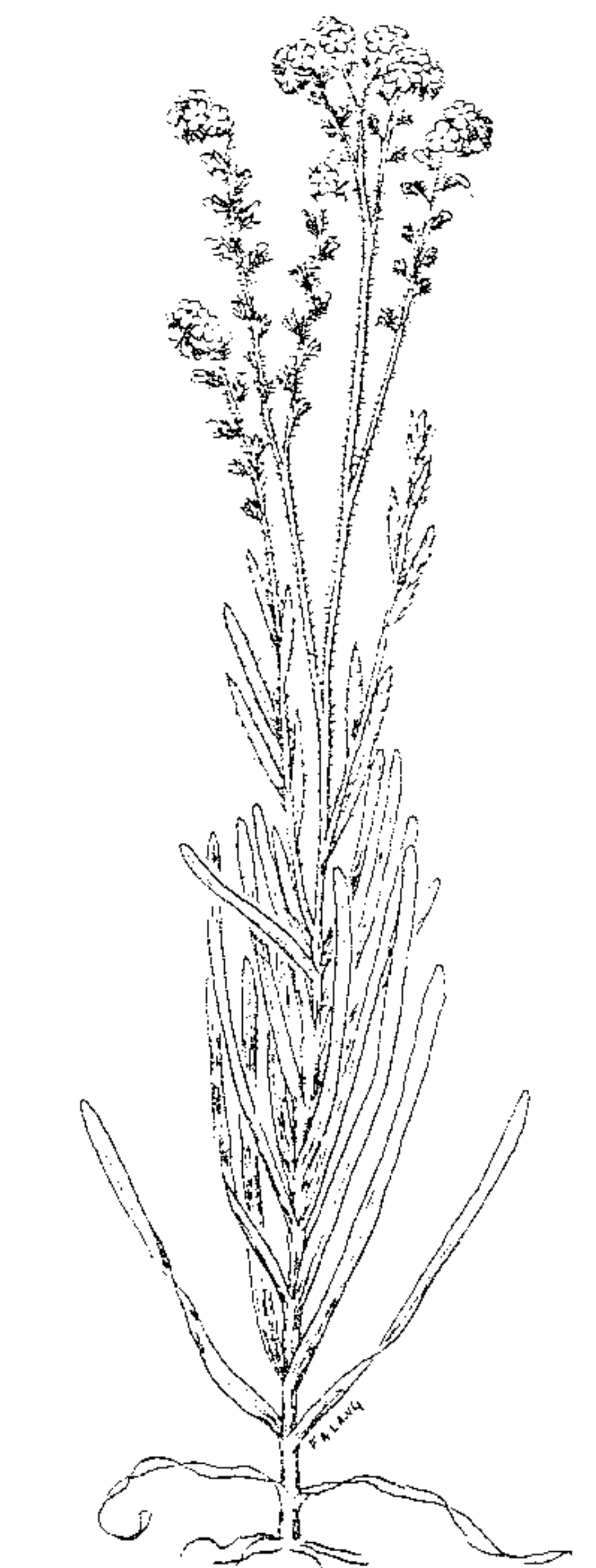
Plant Division, Oregon Department of Agriculture, 635 Capitol Street NE, SALEM, OR 97310-0110). Final listing determinations will be made by the Director of Agriculture, after public input. The sixteen species under consideration are:

- Lomatium bradshawii
- Erigeron decumbens
- Abronia umbellata ssp. breviflora
- Pleuropogon oregonus
- Plagiobothrus hirtus
- Calochortus umpquaensis
- Lomatium greenmanii
- Luina serpentina

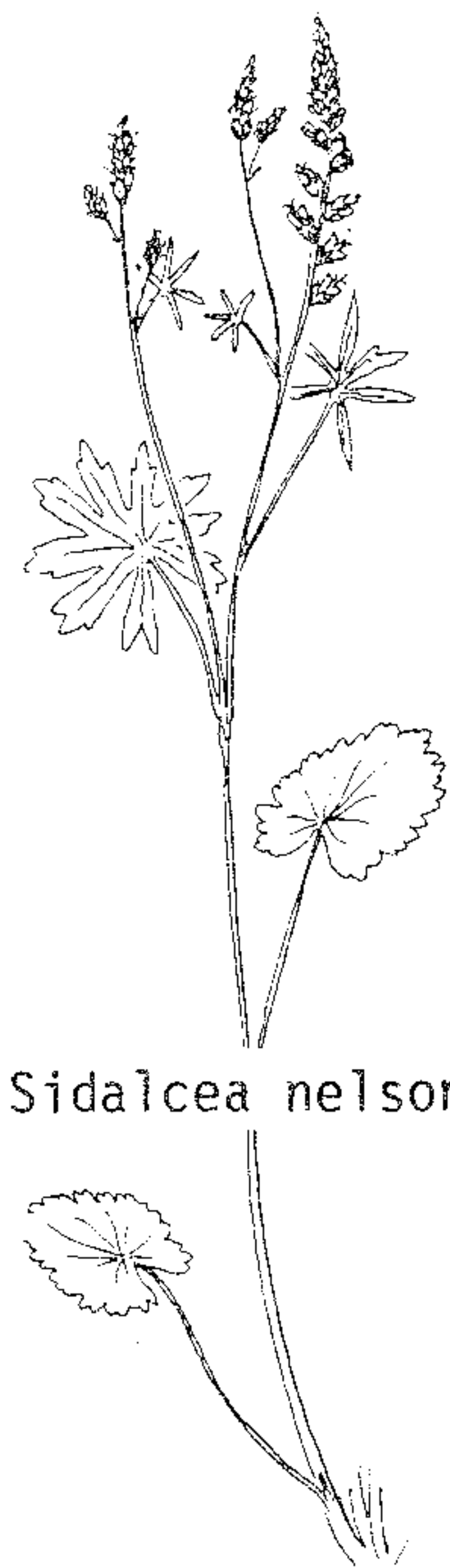
- Sidalcea nelsoniana
- Lilium occidentale
- Lomatium cookii
- Astragalus applegatei
- Amsinckia carinata
- Haplopappus radiatus
- Mentzelia packardiae
- Thelypodium howellii
ssp. spectabilis

A number of additional species are being reviewed for listing, and we anticipate proposing another group for protection sometime next year. If you are interested in receiving a list of the species currently under consideration (i.e., the candidate list for the state), please write to Bob Meinke, Endangered Species Coordinator, at the above address. You might also indicate if you are interested in proposing species for addition to (or deletion from) the candidate list, or, if you wish to formally propose to the Department of Agriculture a species for listing or delisting. We will send you some information on how you can go about this. I'd also like to hear from individuals or chapters with interest in starting volunteer monitoring of rare plant populations in their area -- the regular gathering of information from the same sites over time can be very valuable to programs such as ours and the Oregon Natural Heritage Data Base in Portland. I'm looking forward to co-sponsoring the upcoming rare plant conference in Eugene, and will be happy to discuss any aspect of the endangered species program.

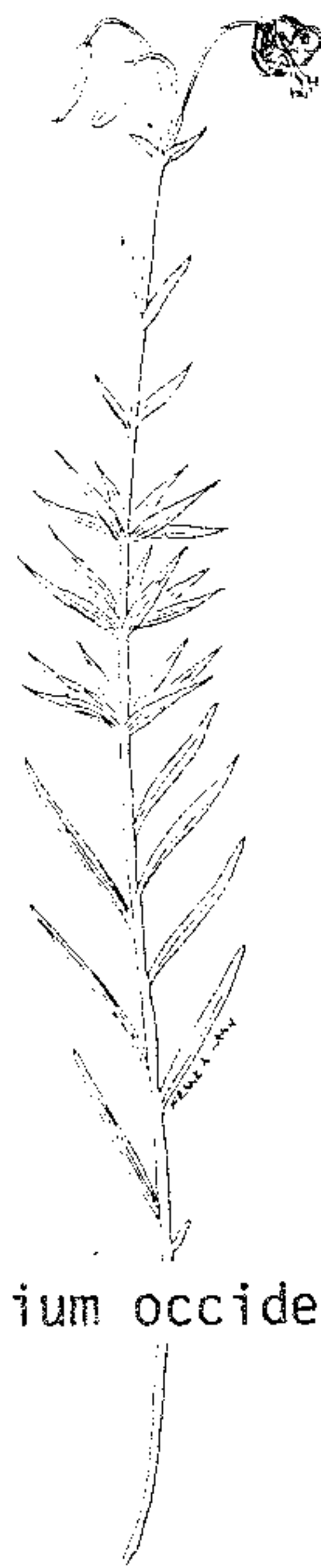
Bob Meinke
Oregon State Department of Agriculture



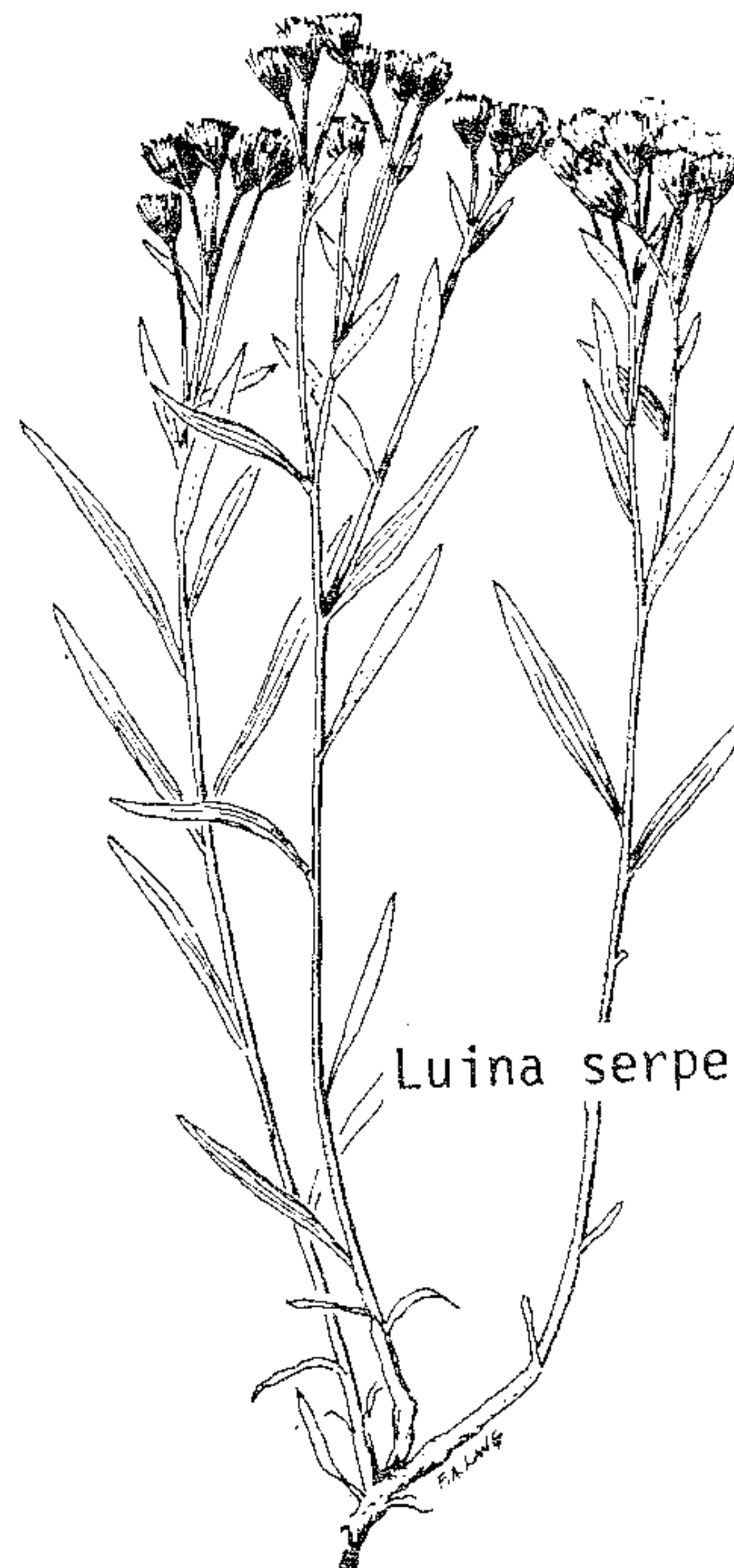
Plagiobothrus hirtus
ssp. hirtus



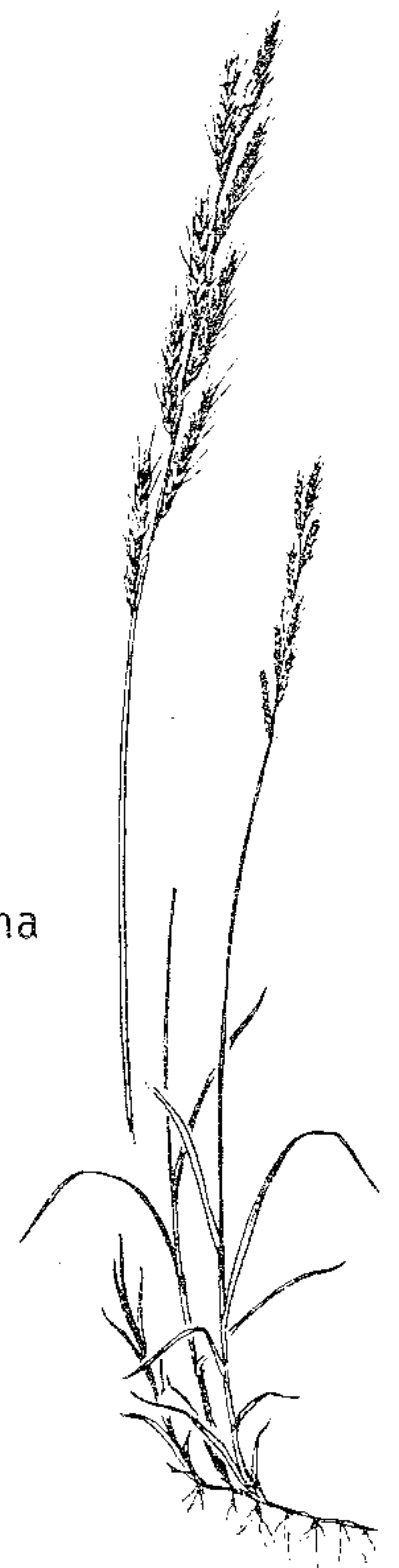
Sidalcea nelsoniana



Lilium occidentale



Luina serpentina



Pleurpogon oregonus

(Illustration from Threatened and Endangered Vascular Plants of Oregon: An Illustrated Guide.)

MYSTERIOUS MOENCHIA

by Peter Zika, Emerald Chapter

For such a little plant this invader gets a large amount of press. Since Frank Lang and Rhoda Love are tracking the adventures of Moenchia erecta, I'd like to respond to their requests to report any invasions. Here are about 30 of them.

Mildred Thiele introduced me to Moenchia at the Roseburg Rod and Gun Club, in a wet meadow with Limnanthes douglasii. Mildred helped write The Flora Survey of Douglas County, published by the Douglas County Museum of History and Natural History in 1986. It lists six Moenchia sites in Douglas County. In addition, Mildred and I found Moenchia with Microcala quadrangularis and Briza minor at the north end of the Sutherlin airport in 1987.

Last year I realized Moenchia is not so mysterious, it is merely small and overlooked. I've seen quite a bit of it on I-5, between Roseburg and Albany, when the camas blooms. Damp ground with Camassia is also good habitat for Moenchia, in the short vegetation just off the edge of the pavement.

In Lane County, Moenchia is an occasional weed in meadows. I've seen it this year in grasslands along Danebo, W 11th, W 18th, Amazon Parkway, Beltline and Alton Baker Park in Eugene. It's scattered on undeveloped lots in Springfield as well. At Fern Ridge Reservoir, Moenchia inhabits wet Willamette Valley prairie in the newly established Fern Ridge Research Natural Area. There it grows with distinguished company: Lomatium bradshawii, Erigeron decumbens, Microcala quadrangularis, and Aster curtus. It is also present in the unplowed Deschampsia cespitosa prairie along the Long Tom River canal, about two miles south of Fern Ridge dam.

Moenchia erecta is becoming widespread now in the Umpqua basin and the upper Willamette Valley. It is likely to be found as far north as Portland or Vancouver, if someone goes looking for it. It is easiest to find on damp ground in the spring, among low grasses in meadows or on roadsides.

Mystery Solved

Since last spring, Dave Wagner has been receiving many requests for information about NPSO and gardening with native plants. Since he has not been president of our Society for several years, the source of this flood of mail posed an intriguing question. Thanks to C. A. Konold and Cynthia Purdy, I found out that the April, 1988 issue of *Family Circle* contained an article "Wildflowers for your garden" that listed NPSO and Dr. Wagner as a source of more information. Also, Eva Muliadi wrote that we were listed in an ORTHO® book *Landscaping with Wildflowers and Native Plants*. Perhaps we should request equal space in something like *Organic Gardening*.

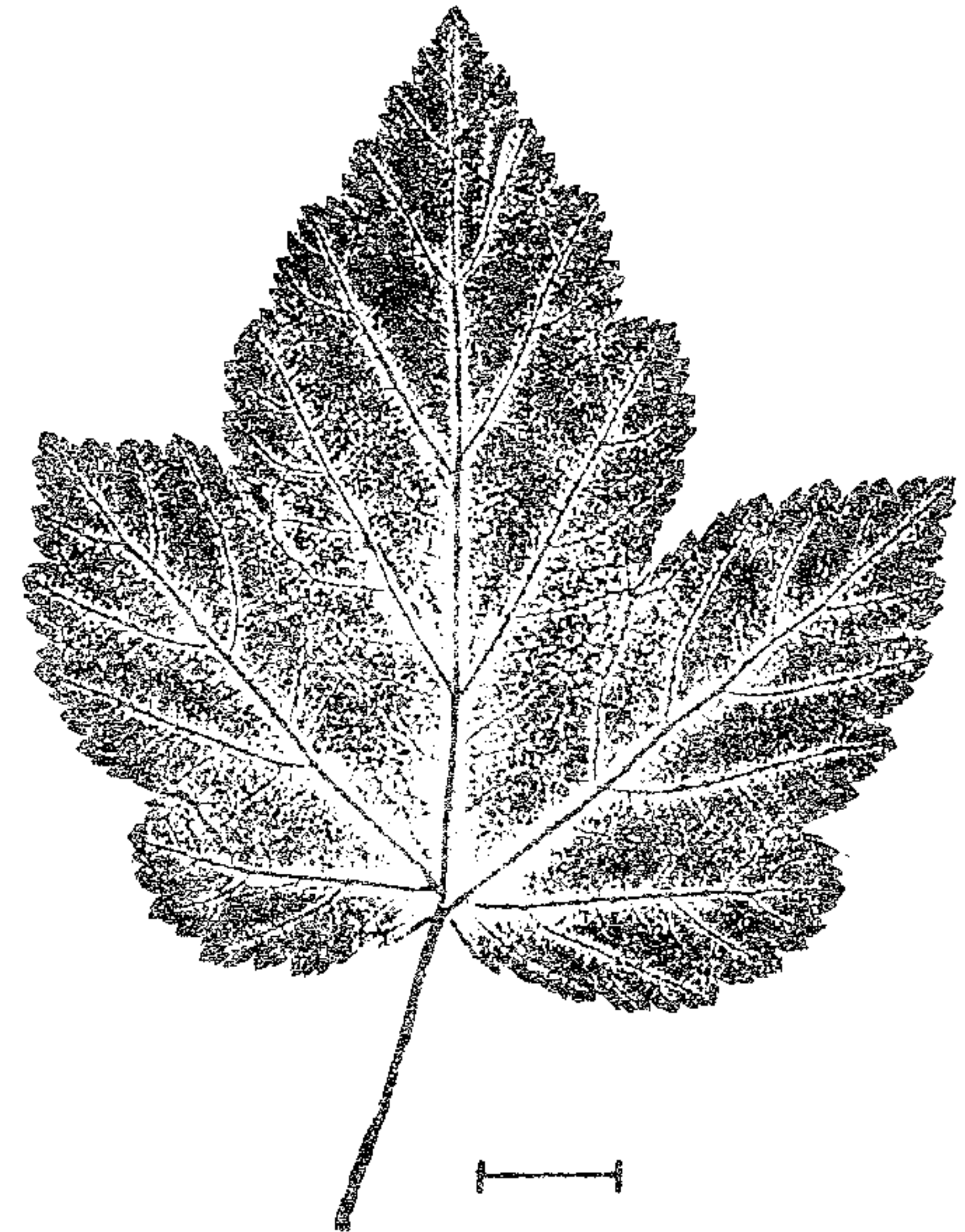
I wonder who I will be forwarding mail to next year.
- D. L.

PLANT PUZZLE

Can you name this plant? The first person to give the correct scientific name will win a prize. The leaf illustration is from a shrub growing wild in Oregon. The bar shows a one cm scale.

Send your guess on a postcard to:

Peter Zika, Emerald Chapter
28681 Peoria Rd.
Halsey, OR 97348



Welcome New Members

Emerald Chapter

Robert D. Clark
Mount Pisgah Arboretum
Patricia Patterson

Portland Chapter

Manuel J. Boyes
Carolyn Eckel
Jean B. Foster
Jerry Fugate
Lorelei Norvell
Joanne & Russ Ramsey
Leslee D. Strubel

Siskiyou Chapter

Cynthia Lord
Laurie Montero
Naoma Neyerlin

Willamette Valley Chapter

Elvin (Cy) & Persis Eberhart
Kathy Schutt Staver
George Thatcher

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 Peter Zika, Jerry Igo, Nancy Fredericks
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 535 Atwater Rd., Lake Oswego, OR 97034; 636-4633
 Conservation Chair Ed Alverson
 Dept. of Botany, OSU, Corvallis, OR 97331; 754-4106
 Legislative Chair Esther McEvoy
 3290 Willamette, Corvallis, OR 97333; 754-0893

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 2424 Harris St., Eugene, OR 97405; 344-0312
 High Desert (Bend area) Joyce Bork
 640 NW Broadway, Bend, OR 97701; 389-5579
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 Box 151, Mosier, OR 97040; 478-3314
 North Coast Clara Fairfield
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 Siskiyou Wayne Rolle
 311 High St., Ashland, OR 97520; 482-0093
 Willamette Valley (Salem area) Pat Rogers-Rochna
 14382 Marion Rd., Turner, OR 97392; 769-4669
 Wn. Cusick (LaGrande area) Rachel Sines
 504 Ave., LaGrande, OR 97850; 963-0674

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, renewals and changes of address (including old address and zip code) should be sent to the membership chair.

BULLETIN

Editor Jan Dobak
 2584 Savier St., Portland, OR 97210; 248-9242

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 materials are welcome.

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 4 1/2 inch wide columns, of any length. Author's name & chapter 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 & illustrations will not be returned unless it is requested.

The *Bulletin* is published as a service to NPSO members & the public. Your suggestions & comments are always welcome.

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NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE (Home) _____ (Work) _____

IS THIS A CHANGE OF ADDRESS? If so please write your OLD ADDRESS:

CITY _____ STATE _____ ZIP _____

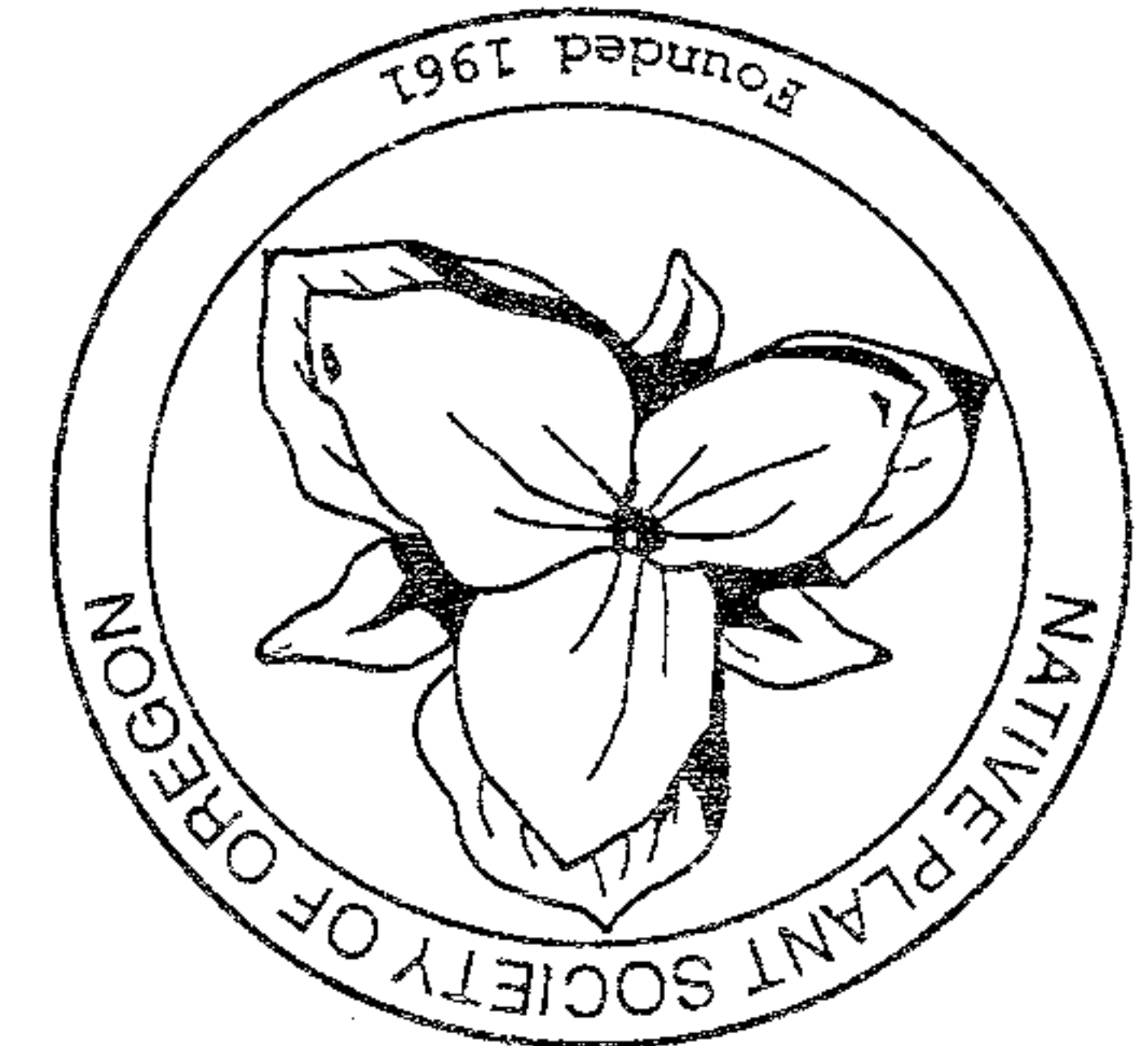
* **DUES** include monthly news bulletin. Full membership runs from January through December. Quarter membership runs from September through December.

- | | | |
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***CONTRIBUTIONS:** Jean Davis Memorial Award Fund . . . \$ _____
 Rare and Endangered Plant Fund . . . \$ _____

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TIME DATED MAIL



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Portland, Oregon 97210-2412

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