

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 XVI No.12

December 1983

CHAPTER NEWS

Blue Mountain

--- No scheduled meetings or field trips for December.

Corvallis

16 Dec., Fri. Members' slide show: WHAT WE DID LAST SUMMER. 8:00 p.m., 3020 NE Lancaster, Corvallis. Bring about ten of your slides and a dessert or chips, etc. For more information contact Dan Luoma, 758-8063.

Emerald

5 Dec., Mon. Meeting, 7:15 p.m. Red Cross Bldg., 150 E 18th, Eugene. HOW TO KNOW THE LICHENS, by Larry Pike, Ph.D.

9 Jan., Mon. Meeting, 7:15 p.m. Red Cross Bldg. (address above). PROWLING FOR PENSTEMONS with Ken & Robin Lodewick.

High Desert

--- No scheduled meetings or field trips for December.

Mid-Columbia

7 Dec., Wed. Meeting, 7:30 p.m., Mosier School. Meetings are held the 1st Wednesday of each month at this time & place.

Portland

13 Dec., Tues. Meeting, 7:00 p.m. First United Methodist Church, 1838 SW Jefferson, Portland. It's time for the annual membership SHOW & TELL. Bring up to ten (or more?) of your favorite slides from the past year. We will have a bulk slide loader, so your slides need not be in a carousel. If you plan to bring slides, a call to Rick Brown is recommended but not required: 222-1146 (home) or 667-0511 (work).

Siskiyou

8 Dec., Thurs. Meeting, 7:30 p.m. Room 171, Science Bldg., SOSC. Gordon Larum, past president of Siskiyou NPSO & co-founder of the Mt. Mazama Mushroom Assoc., will present a slide program on FALL MUSHROOMS OF THE ROGUE VALLEY & SURROUNDING MOUNTAINS. Gordon will show us some edible mushrooms that are easy to identify, & will share some of the diversity of the fungi, their habitats, & their interdependency with other plants. We will have our traditional holiday treats.

Our meetings will continue to be on the 2nd Thursday of the month, after the new year.

Willamette Valley

--- No scheduled meetings or field trips for December.

IT'S RENEWAL TIME!

Don't forget; all NPSO memberships (including quarter memberships) expire at the end of December. To renew your membership for 1984, fill in the membership form attached inside the back cover of this issue and send it promptly to: Mary Falconer, NPSO Membership Chair, 1920 Engel Ave. NW, Salem, OR 97304. While you're at it, why not give an NPSO membership to a friend or relative for the holiday--extra forms are available from your chapter president or in recent issues of the Bulletin.

This is also a goodtime to check your address label & make sure it is correct. Note any changes on your renewal form, listing both old & new addresses. All new memberships, renewals, & address changes should be sent to Mary Falconer. If address changes are sent to the Bulletin, the change may be delayed an extra month.



NOMINATIONS ARE NOW OPEN...

for NPSO State officers and Board members. If you wish to serve your society at the state level, please give your name to one of the following committee members or call Marge Ettinger at 382-2255. Nominations must be complete by December 15; names of nominees will be published in the January Bulletin; elections will be held in March, 1984.

Nominating Committee members are: Marge Ettinger, Chair (High Desert Chapter); Bob Frenkel (Corvallis Chapter); Mike Kaminski (Emerald Chapter); Doris Ashby (Portland Chapter); Ruth Hansen (Portland Chapter); Andy Kier (Siskiyou Chapter); & Augusta Rockefeller (Willamette Valley Chapter).

11th hour Santas take heart

So the holidays are here, & you haven't even begun to shop? Memberships in botanic gardens, museums, & conservation groups are easy, inexpensive, & last a whole year! These organizations are devoted to conservation of our native flora & fauna; benefits of membership include periodic newsletters & in many cases natural history classes, book discounts & field trips. Check with each group for particulars:

Native Plant Society of Oregon 585-9419
Mary Falconer, Membership Chair
1920 Engel Ave. NW, Salem, OR 97304

Berry Botanic Garden 636-4112
11505 SW Summerville Ave.
Portland, OR 97219

Leach Botanical Park 761-9503
6704 SE 122nd, Portland, OR 97236

Mt. Pisgah Arboretum 747-3817
Box 5621, Eugene, OR 97405

The Nature Conservancy 228-9561
1234 NW 25th, Portland, OR 97210

Oregon High Desert Museum 382-4754
59800 S. Hwy. 97, Bend, OR 97702

Audubon Society of Oregon 292-6855
5151 NW Cornell Rd., Portland 97210
(there are many local chapters in OR)

AND DON'T FORGET, NPSO T-shirts & notecards are still available from your chapters or by mail. T-shirts, with green trillium logo, come in white or tan; S, M, L, or XL @ \$6.75 from your local chapter. To order by mail, send size, color & \$7.75 per shirt to:

Nancy Ruleman
1844½ Lincoln, Eugene OR 97401
(ph. 484-6278)

NPSO notecards, with drawings of Oregon R/E plants by Linda Vorobik, are great stocking stuffers & thank-yous, & at \$2.50 per packet of 8 (w/ envelopes) they're a bargain. To order by mail, send \$3.00 per packet to:

Charlene Holzwarth
2524 NE 34th, Portland OR 97212
(ph. 284-3444)

President's letter:

Dear Fellow NFSOers,

I have been having a busy fall. In addition to my job with the Mt. Pisgah Arboretum, I have had a Biology teaching position at L.C.C., and I have been studying mycology.

MUSHROOM SHOW . . .

As a student in Freeman Rowe's mushroom class and an Arboretum employee, I was involved in the fabulous October 30 Mushroom Show at the Arboretum. The mushrooms were beautifully displayed and labeled and we estimate that 2,000 folks came out in the rain to see them. I am enjoying reviewing information I learned from the late and much-loved Daniel Stuntz at Washington 30 years ago. Remember, plant lovers, mushrooms are native plants, too!

LANE COUNTY COMPREHENSIVE PLAN . . .

I am currently serving on a county committee which is reviewing wildlife and vegetational data which relate to Statewide Planning Goal 5. The Lane County Comprehensive Plan will be presented to the LCDC around January 1. Emerald Chapter R&E Chair, Charlene Simpson has provided me with data on Lane County R&E plants and I plan to do my best to see that protection for these species and their habitats is included in the County Plan.

NPSO USE OF DESERT WILDERNESS STUDY AREAS . . .

SUNSET magazine, with 5 million readers, is planning a desert wilderness article in the near future. The author wants to print a schedule of organized outings within Wilderness Study Areas for the 1984 season. She will want to know: Name of organization, trip leader name and address, fees, conditions, dates, general comments.

Contact:

Mary Ann Reese, Assoc. Editor
SUNSET Magazine
Willow and Middlefield Roads
Menlo Park, CA 94025 (415-321-3600)

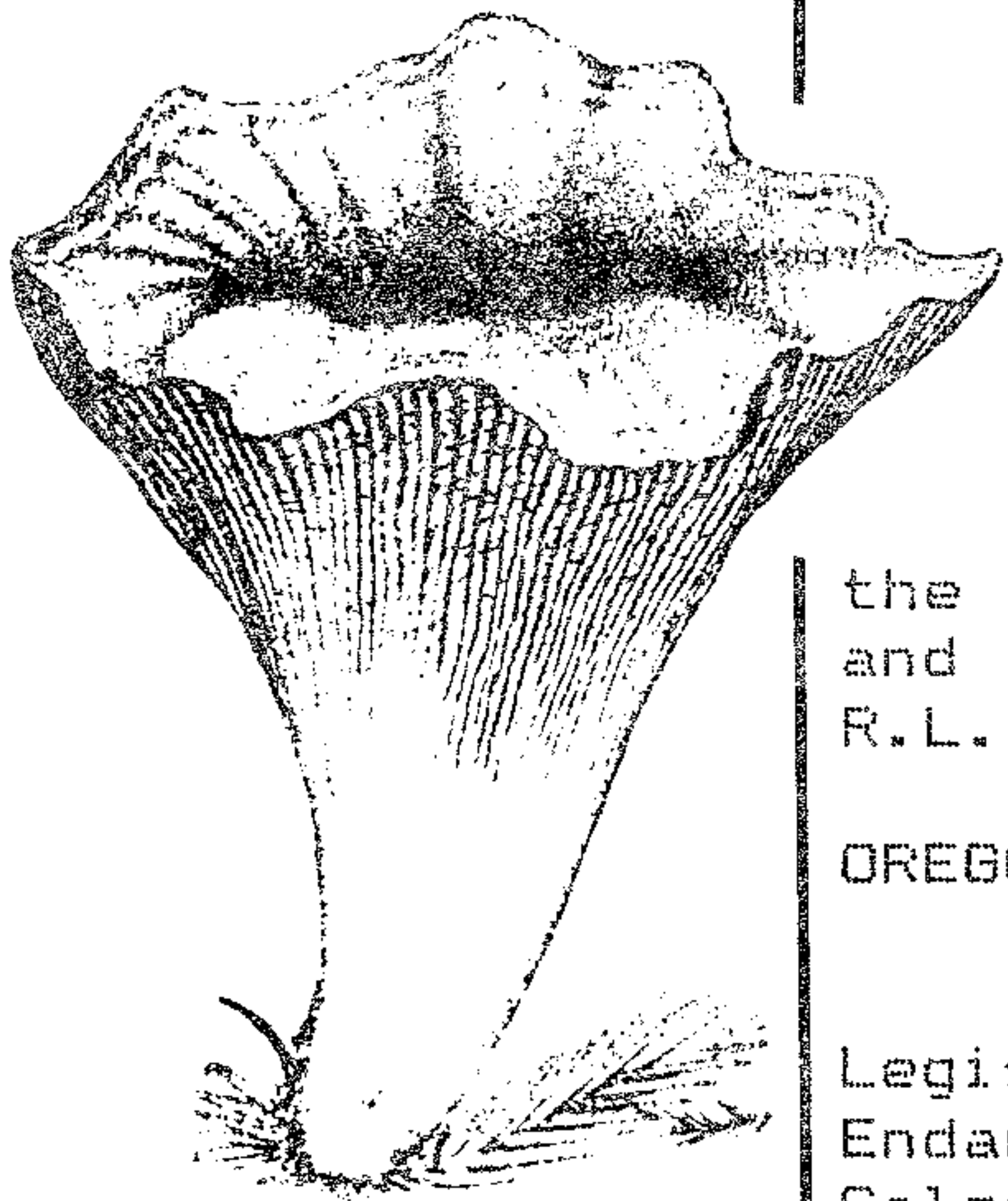
This is a great way to advertise NPSO. Also it is a good way to let the BLM know that we are interested in the desert wilderness. (High Desert and Blue Mt. Chapters and any others, hope you will follow up on this. R.L.) (Thanks to Don Tryon, Sage Assoc. for this news note.)

OREGON ENDANGERED SPECIES LEGISLATION IN '85 ! ! !

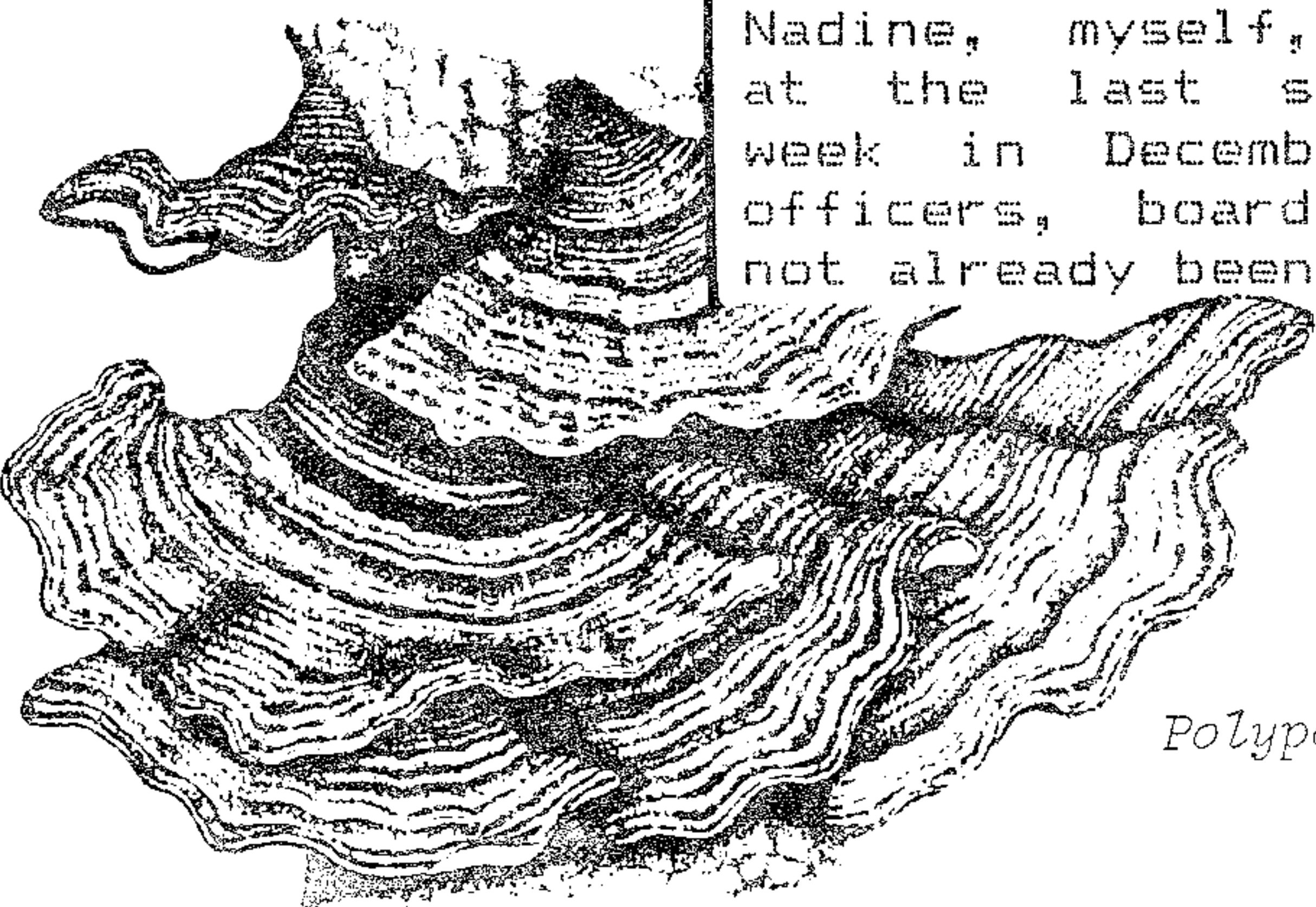
Rick Brown, NPSO Legislative Chair, is now revitalizing the State Legislative Committee and starting to work on strategy for passing Oregon Endangered Species Legislation in 1985. Preliminary word from Salem-watchers is that the climate may be right this time. Please contact Rick (address and 'phone number on the back of your Bulletin) if you are willing to help with this vital project. Rick has promised us a note about what we did in '83 and this should appear elsewhere in this issue.

OUR TREASURER HAS RETURNED . . .

NPSO State Treasurer, Nadine Smith, has returned from Crater Lake. By the time you read this, all checks should have been deposited and all reimbursements returned to Chapters. A Budget Committee consisting of Nadine, myself, Alan Curtis and Charlene Simpson (observer) was appointed at the last state board meeting. The four of us will convene the first week in December to write an annual state budget. All estimates from officers, board members, chapter presidents, etc. are due NOW if they have not already been submitted.

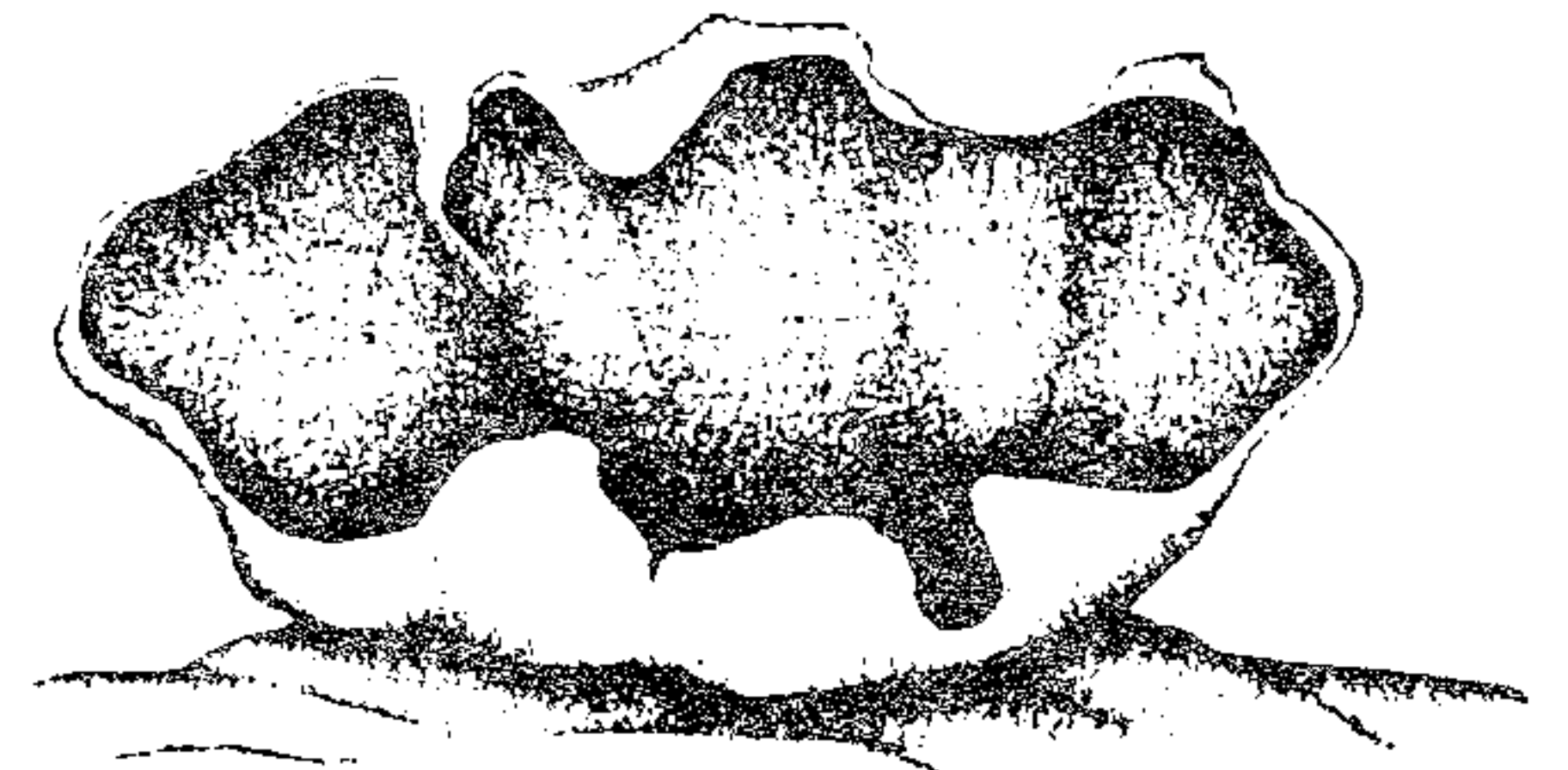


Cantharellus cibarius



Polyporus versicolor

Aleuria aurantia



NEXT BOARD MEETING JANUARY 21 IN SALEM . . .

The next meeting of the State Board of NPSO will be held in Salem, on Saturday, January 21, at 1:00 P.M. at the State Forestry Office. (Thanks, Wilbur Bluhm for arranging this.) Agendas and maps will be mailed around January first. R&E Chairs and members of the State Legislative Committee are encouraged to attend this meeting. And, as always, any member of NPSO is welcome to attend any meeting.

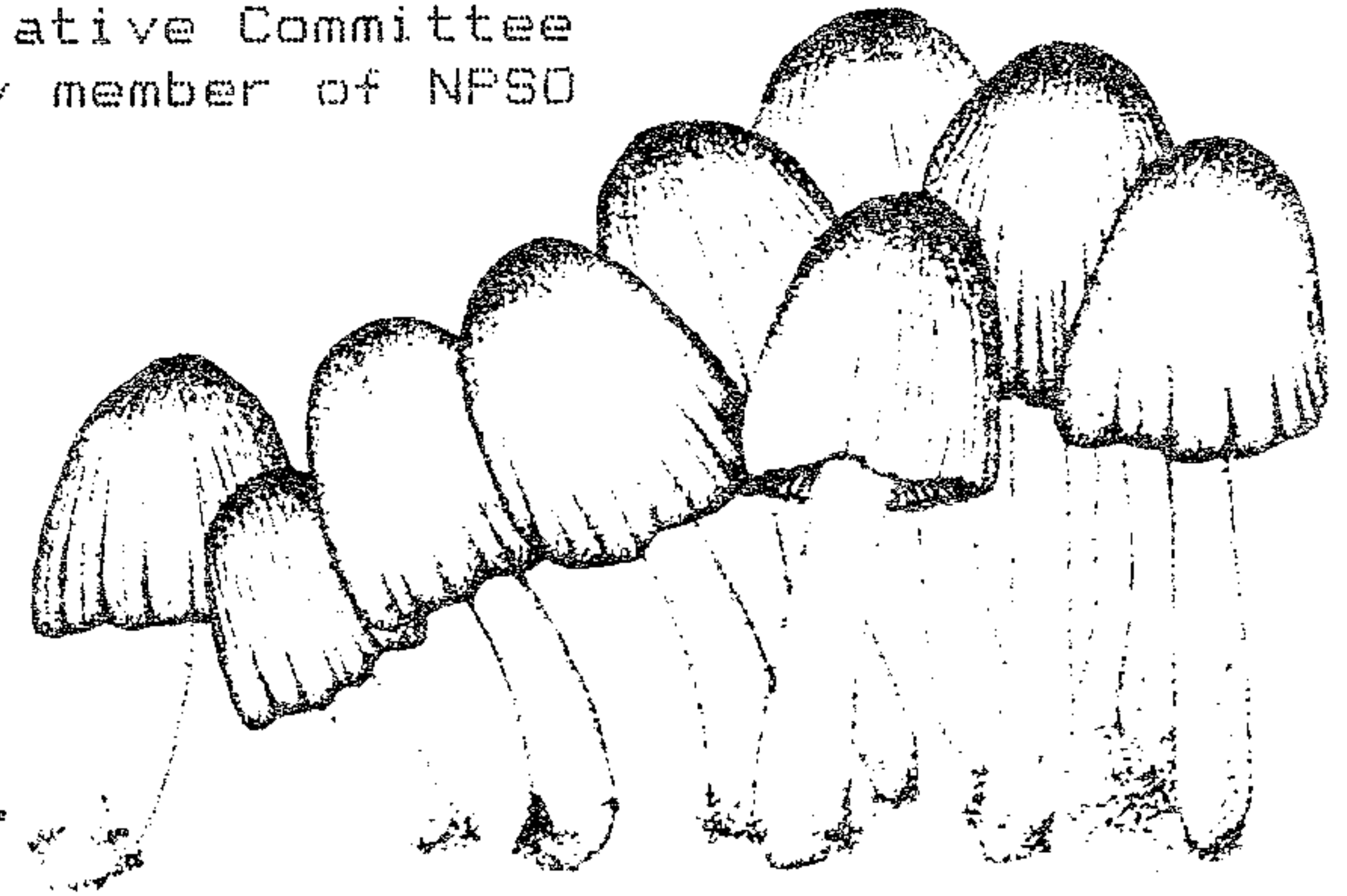
Coprinus micaceus

I wish you all a fine holiday season.

Remember to buy, use and give NPSO NOTECARDS!

Flowers forever,

Rhoda Love,
President



WINTER NATURAL HISTORY SERIES IN PORTLAND

The Nature Conservancy & the Western Forestry Center are presenting their second annual Natural History Winter Series of monthly programs at Miller Hall, Western Forestry Center. Programs begin at 7:30 p.m. & are free & open to the public. The remaining programs (Mike Houck presented a show on "Wildlife in Portland" Nov. 3) are:

- 1 Dec. TREES & TROUT. At the forefront of the movement to retain a representative gene pool of wild fish in western streams, Bill Bakke will explore the importance of good forest practices in relation to productive trout, salmon & steelhead streams. He will also premier the new OSU Sea Grant slide/sound show on stream enhancement.
- 5 Jan. THE SANDY RIVER GORGE REVEALED. Tom McAllister, Oregonian Outdoor Editor, & Sam Diack, Sandy River Gorge Preserve Manager, promise to leave no stone unturned as they present the complete geology & ecology of the Gorge & the impact that rafters, naturalists, loggers, & other users of the area have had on it.
- 2 Feb. PELICAN IN THE DESERT. White pelicans soar on 10 foot wings, nesting on tiny islands in the shallow, salty lake. A multi-image production of these startling desert lakes will be presented by Geoff Pampush & Marie Gill of The Nature Conservancy. The story of the ancient lava flows & massive rock uplifts in the Warner Basin, which produced these lakes, will be told by geologist John Allen.
- 7 Mar. WILDFLOWERS OF THE FORGE. Through exquisite photography Nancy Russell, catalyst behind Friends of the Gorge, will explore the grand botanical diversity found in the Columbia River Gorge. With special emphasis on nomenclature, Nancy highlights the uniqueness of the flowers found only in the Gorge.
- 5 Apr. THE THREATENED GRIZZLY. Fighting for the preservation of the plains grizzly, Doug Peacock of West Glacier, Montana, has captured the elusive character of these beasts in his remarkable documentary films.

VASCULAR PLANTS OF THE PACIFIC NORTHWEST (5 vol: T minus 3 and counting...)

THE NEWS: As many of you know, volume 1 of the 5 volume Vascular Plants of the Pacific Northwest by Hitchcock et al. has been out of stock for over a year. Now volume 3 is also gone, and the remaining volumes are in very short supply (less than 50) and may be expected to run out in the near future. Unfortunately, this does not mean that this flora will be reprinted soon. At one time, we expected vol. 1 to be reprinted by Oct. 1983. More recently we were told that both vols. 1 & 3 would be printed by summer 1984. The current "official" date of printing is now "1985 at the earliest", but the real situation is that the UW Press is not likely to reprint them in the near future because they do not have the \$25,000 needed for a minimum run of each volume. (Funding for the UW Press has been cut, and the last printing of the Flora was itself partially funded by outside sources.) What this means is that if you are interested in owning this Flora, you might want to consider purchasing those volumes which are currently available. If you wait to buy a complete set, not only will you have to be very patient, but you will also, in all probability, have to pay closer to \$50 per volume rather than the current \$27.50 list price per volume.

THE OFFER: Central Puget Sound Chapter/WNPS-BOOKSALES offers books for sale at a 20% discount. The list price for Vascular Plants of the Pacific NW is \$27.50 and we offer it at the following prices:

1 vol.	\$22.01 + 1.74 tax =	\$24.00
2 vol.	44.02 + 3.48 tax =	47.50
3 vol.	65.80 + 5.20 tax +	71.00

WE DO NOT SHIP. To order, send your name, address, phone number, explanation of how you intend to pick up your order, along with a check to:

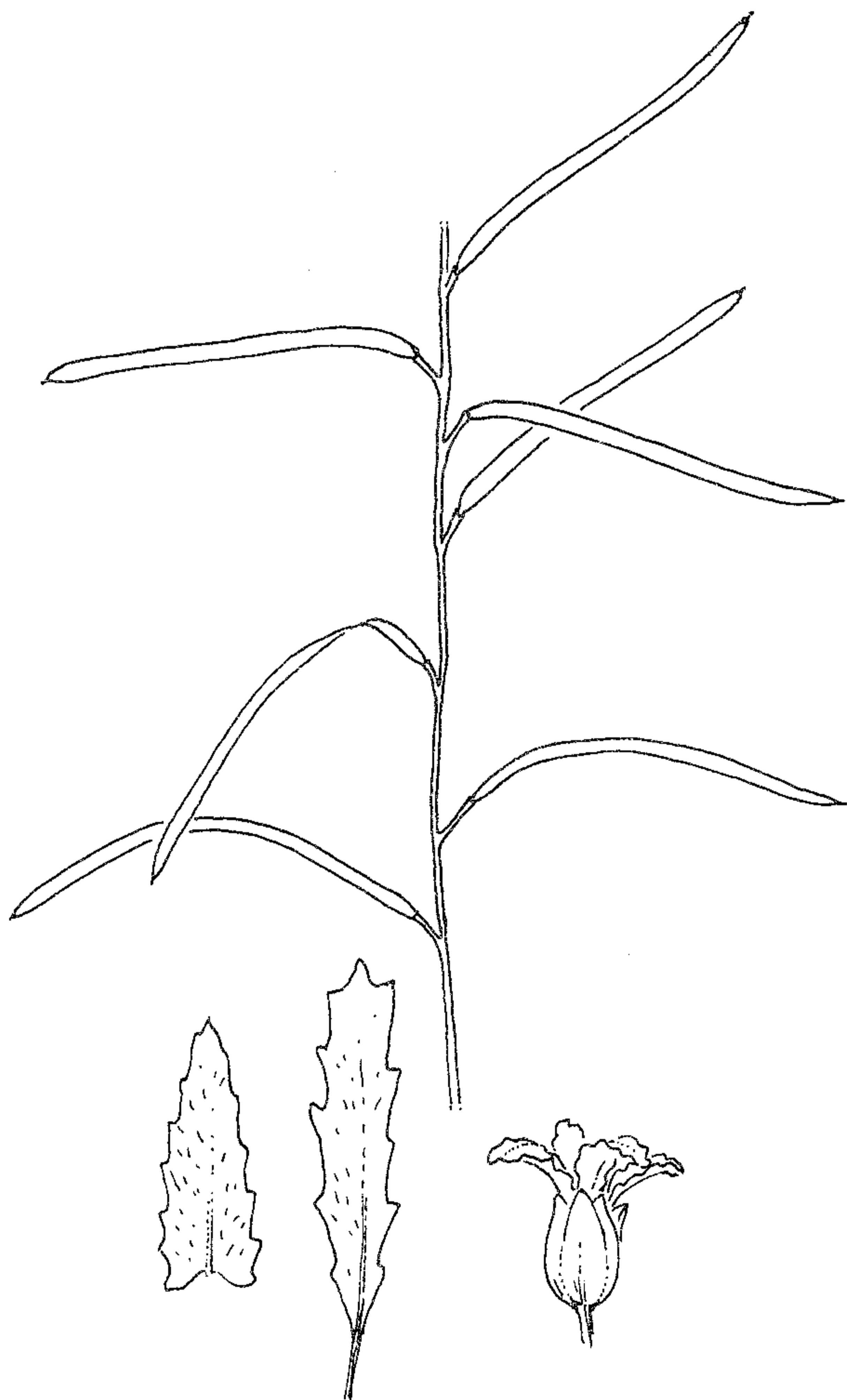
Bruce Tucker, WNPS-BOOKSALES
Dept. of Botany, KB-15
University of Washington
Seattle, WA 98195

Books may be picked up at CPS/WNPS meetings (7:30 p.m., 1st Thursdays in 132 Biol. Sci. Bldg., UW south Campus), at my office (238 Johnson Hall, UW: 543-8254) or at my residence (6105 NE Radford Drive, Seattle, 98115: 527-7950) by arrangement. A REMINDER: IT IS NOT POSSIBLE TO SHIP AN ORDER; THEY MUST BE PICKED UP.

Dr. Arthur Kruckeberg, Dept. of Botany, University of Washington, who is working on a revision of *Streptanthus* (Brassicaceae), subgenus *Euclisia*, has asked for our help with two *Streptanthus* which he collected in southwestern Oregon, where they are apparently rare:

- *Streptanthus glandulosus* Hook., Jewel Flower, which he has found once on serpentine E of O'Brien on the Waldo-Happy Camp road. The species is common in central California but seems to be progressively rarer as you go north. In Abrams, vol. II: 249, it is described as:

Annual, nearly glabrous to densely setose-hirsute, especially below, the stems usually branched upwards, 2-6 dm. high, rather slender. Lower leaves petioled, narrowly oblanceolate, coarsely & saliently dentate, the teeth usually callus-tipped; upper leaves dentate to entire, lanceolate to linear, auriculate-clasping; inflorescence racemose, lax; sepals usually deep purple, sometimes nearly white, 3 upper ones connivent, the lower spreading; petals purple or white with purple veins, the blades recurved; longest filaments connate; pods straight or curved, ascending or spreading, 5-9 cm. long, about 3 mm. wide, frequently hispid.



Streptanthus glandulosus
(redrawn from Abrams II: 252)

Dr. Kruckeberg has been calling the Oregon plants var. *oregonensis* (unpubl.). Two other taxa, var. *hoffmanii* Kruckeberg (Sonoma Co.) & ssp. *pulchellus* (Greene) Kruckeberg (Marin Co.) are on California's R/E list.

- *Streptanthus coombsae* Eastwood, which is known only from the type collection made by "Mrs. A. L. Coombs, July, 1913, on Williamson River, southern Oregon."* Eastwood describes this taxon as follows:

Annual, simple or branching, glabrous; radical leaves wanting; cauline lanceolate, 1-3 cm. long, entire, obtuse, sagittately clasping at base; racemes ebracteolate with flowers on erect pedicels, 2-5 mm. long; sepals not united, purplish with white margins, lanceolate, the two larger 8 mm. long, 2 mm. wide at the saccate base, the two inner narrower; petals about 1.5 cm. long, the claw a little shorter than the narrow, linear, purple blade with crisped, white margins; longer stamens in two pairs, united to the anthers, filaments 8 mm. long, the 2 shorter separate, 6 mm. long; pod wanting, but ovary glabrous, linear, 7 mm. long, stigma capitate, ovules winged.

Both species look like good candidates for addition to the Oregon R/E list. If you have seen either of these plants or know where they can be found, please send the information to Jean Siddall, NPSO State R/E Chair, 535 Atwater Rd., Lake Oswego, OR 97034. I will forward it to Dr. Kruckeberg.

- Jean Siddall
NPSO State R/E Chair

*The Williamson River is located in central Klamath Co., flowing S through Klamath Marsh into Upper Klamath Lake. Dr. Kruckeberg would like to know who Mrs. A. L. Coombs was.

Welcome, New Members

CORVALLIS

Robert A. Ross

EMERALD

R. E. (Jack) Thompson

MID-COLUMBIA

Virginia Winegar

PORTLAND

Louise A. Lowe

Beb (Mrs. H. H.) Van Veen

Keith & Jeanne Cooper

Susan Thomas

ENDANGERED SPECIES PUBLICATIONS AVAILABLE

The following 3 publications are available for those interested in rare, threatened and endangered species:

"Endangered and Threatened Wildlife and Plants"

Date: July 27, 1983
Document # 50 CFR 17.11 & 17.12
Office of Endangered Species
Department of Interior
U.S. Fish and Wildlife Service
Washington, D.C. 20240
(No charge mentioned: presumably free)

"Liaison Conservation Directory for Endangered and Threatened Species" 5th Ed.

Date: May, 1983
Same address as above.
(Presumably free)

"Rare, Threatened and Endangered Plants and Animals of Oregon"

Date: July, 1983
Oregon Natural Heritage Data Base
1234 N.W. 25th Ave.
Portland, OR 97210
Price: \$4.00

A forty-page packet of information on the forest wilderness issue is now available from the Oregon Natural Resources Council. The packet includes "white papers" on the positive economic values of wilderness, jobs & wilderness, descriptions of the Wilderness proposals in ONRC's 3.4 million-acre recommendation, a map & much more. It may be obtained for \$4.00 from the Main Office of ONRC, 1161 Lincoln St., Eugene, OR 97401.



1984 R/E Calendars Ready

This year's calendar has fifteen new color photographs of endangered American flowers, including orchids, lilies, a carnivorous species and members of the hibiscus, silversword and cactus families. Among the plants shown are two that were feared extinct but have recently been rediscovered, two that were known only from single plants when recovery efforts started and eight for which information on new wild populations is sought.

The calendar also includes a discussion on rewards of up to \$100 that are being offered for rediscovery of more than 200 plants now regarded as possibly extinct in the U.S. As before, it is 10-1/4" x 17" when open and contains 32 pages (16 leaves) with monthly calendars that provide space for notes each day of the month.

Calendars may be obtained by sending \$5.95 to "Endangered Wild Flower Calendar", c/o Brooklyn College Biology Dept., Brooklyn, NY 11210. To

encourage purchase of calendars as gifts during the holiday season, calendars are available for \$4.95 ea. in orders of 3 or more (for orders of 10 or more, the price drops to \$4.25 per calendar). Gift calendars will be sent directly to addresses that are provided, along with a note with your name and a brief greeting. Please add \$1 per calendar if you wish delivery by first class mail. Satisfaction is guaranteed or full refunds will be made.

Funds raised from sales will be shared by national and regional conservation organizations. Write Native Plant Society of Oregon or 'NPSO' in the upper left corner of the order form; half the money raised by calendar sales to NPSO members will be returned to NPSO. The rest will be placed in a 'calendar conservation fund' to be allocated among plant conservation projects according to a vote by the botanists and conservationists who have helped to produce and distribute the calendar.

Calendar Order Form (Please print clearly)

Please send ___ copies of the 1984 calendar to:

Name: _____
Address: _____
Zip: _____

Please enclose payment for calendars as described above and send to "Endangered Wild Flower Calendar", c/o Brooklyn College Biology Dept., Brooklyn, NY 11210. Brief messages for each gift may be placed on the reverse side.

Please send gift calendars, to arrive _____ (date), to:

Name: _____
Address: _____
Zip: _____

Name: _____
Address: _____
Zip: _____

Name: _____
Address: _____
Zip: _____

JOURNAL
KEPT BY
DAVID DOUGLAS

DURING HIS TRAVELS
IN NORTH AMERICA

ON BEHALF OF THE ROYAL HORTICULTURAL SOCIETY, 1823
AND FOLLOWING YEARS

These entries are from the year 1826. Mr. Douglas has just returned to Fort Vancouver after an absence of two months, spent traveling to the Umpqua for his famous first encounter with *Pinus lambertiana*--sugar pine.

* * * * *

Friday, December 1st to the 8th--Being a little recovered, I employed myself forming a collection of the various timbers that compose the forests, at the same time gleaning a few Cryptogamic plants.

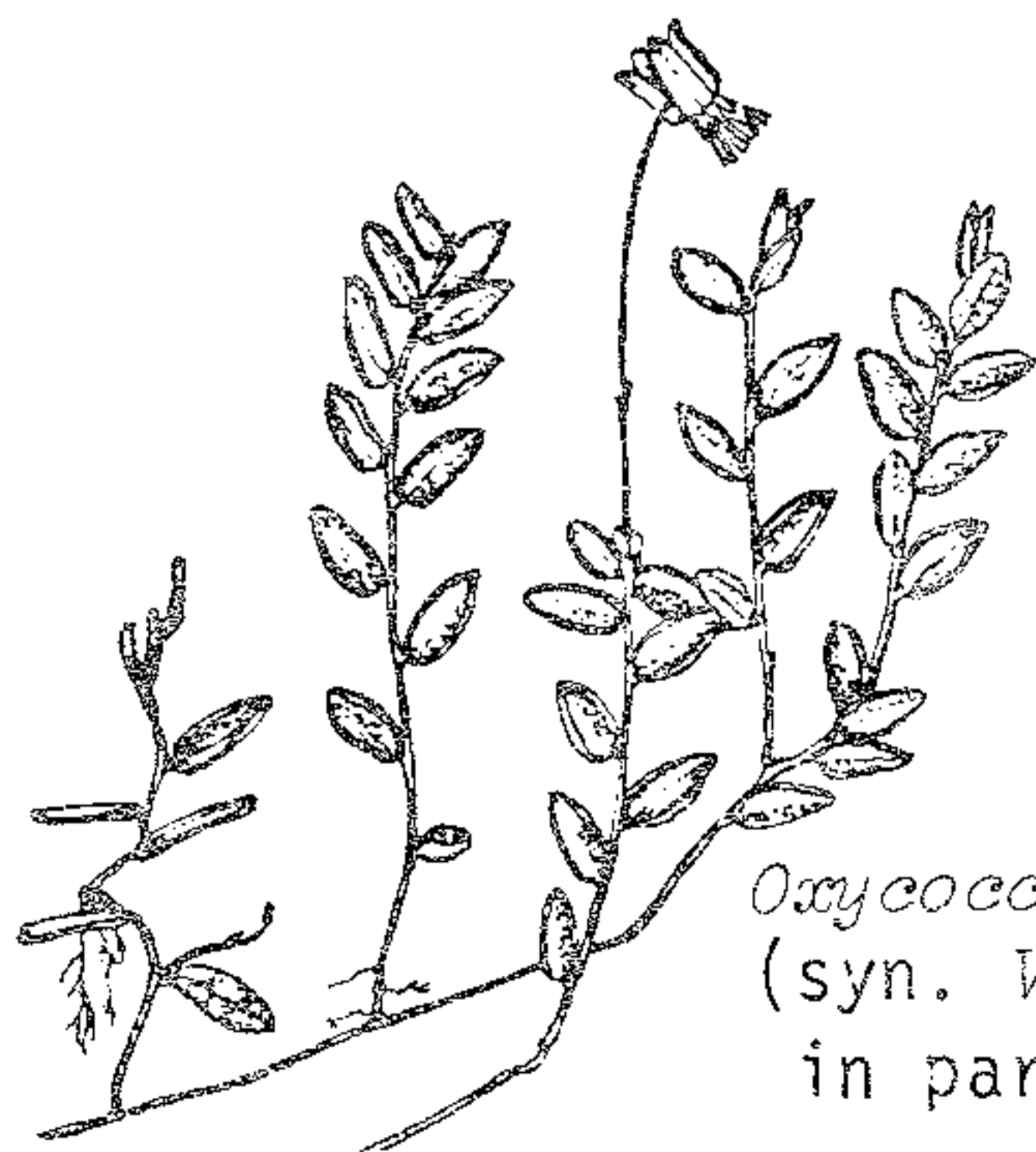
December 9th to 25th--My time lying heavy on my hands, I resolved on visiting the ocean in quest of Fuci, shells, or anything that might present itself to my view. Hired a canoe of some Chenooks sic who were here on a trading excursion. Mr. McLoughlin sent one of his men with me, who with two Indians formed my party. Two days took me to Fort George, the old establishment, where I slept and waited until the wind abated, before I could cross the river to the north side. Scarcely had I been ashore when the wind began to blow a strong gale from the south-west and the rain falling in torrents; one of the most dreadful nights I ever witnessed. About midnight I was awakened by the breaking of the surge on the shore and the crashing of the drift-wood pile above pile; and the sea rising so suddenly and so unusually high, in an instant dashed my canoe to pieces and obliged me to strike my tent at midnight and retire back into the wood. In the morning when the storm abated I went to the house of Cassicass, son of the chief Com Comly, and borrowed a canoe and proceeded along Baker's Bay; crossed the portage over Cape Disappointment to the bays near Cape Shoalwater of Vancouver, which I gained in two days' march, both rainy. Another short day's march took me to the house of my old Indian friend, Cockqua, who greeted me with that hospitality for which he is justly known by people of the Establishment and his countrymen. He regretted that dry salmon and berries of *Gaultheria Shallon* was all the variety he could offer me. The boisterous weather had obliged the wildfowl to seek more sheltered situations than his neighbourhood afforded, and it was too rough to venture on fishing. They were subsisting only on these articles. The salmon is very bad, lean in the extreme, killed in the small creeks in September, October, and November, in the spawning season: when



Gaultheria shallon

dried resembles rotten dry pine-bark. Having nothing but this to subsist on, I was seized with a most violent diarrhoea, which reduced me in four days unable to walk. The weather giving no proofs of improvement--and from my increasing weakness I became alarmed lest it should prove dysentery--I abandoned the idea of prolonging my stay. Therefore in the morning I set off for the Fort, having obtained one duck to make a little broth. Three days took me to the village of Oak Point, where the Indians had that day caught ten sturgeon. Learning I stood in need of some, they instantly told me I could have none unless I should give either my hatchet or coat: being neither willing nor could I encourage such on principle, I declined bargaining. I offered tobacco, powder, and ball, and my knife for as much as would be one meal for myself and people, which they refused, but as I was a good chief and liked them they would let me have it if I would give the handkerchief from my neck for one small bit, and seven buttons off my coat for a second bit of the same size, which I did! I have heard of people put to many shifts to live, but never in my life was I in such a hard case in bargain-making. He had my blessing and promise of a sound flogging should I ever meet him in a convenient place. I slept half a mile above the village and the following morning started early with the tide and a light air of wind. Put ashore for two hours a short distance below the Multnomah and waited the tide, when I again embarked; went on all night, and arrived at Fort Vancouver on Christmas Day at midday, having gleaned, like my trip in the same quarter last year, less than any journey I have had in the country. Collected one specimen of *Pinus*, a low, scrubby, small tree, on marshy ground, rare; one variety *Ledum latifolium*; *Kalmia* sp.; *Vaccinium* sp.; *Oxycoccus*, on low marshy ground; with a few mosses.

December 26th to 31st--Weather dry and pleasant. On Saturday a keen northerly wind, with appearance of frost. Occasionally out with my gun hunting, gathering woods, and mosses. Got the blacksmith to make me a mineral hammer, as my other was left in the interior. Soon recovered from my sickness by a change of food.



Oxycoccus quadripetalus
(syn. *Vaccinium oxycoccus*
in part)

PORT ORFORD CEDAR FORESTS

(FOURTH IN A SERIES)

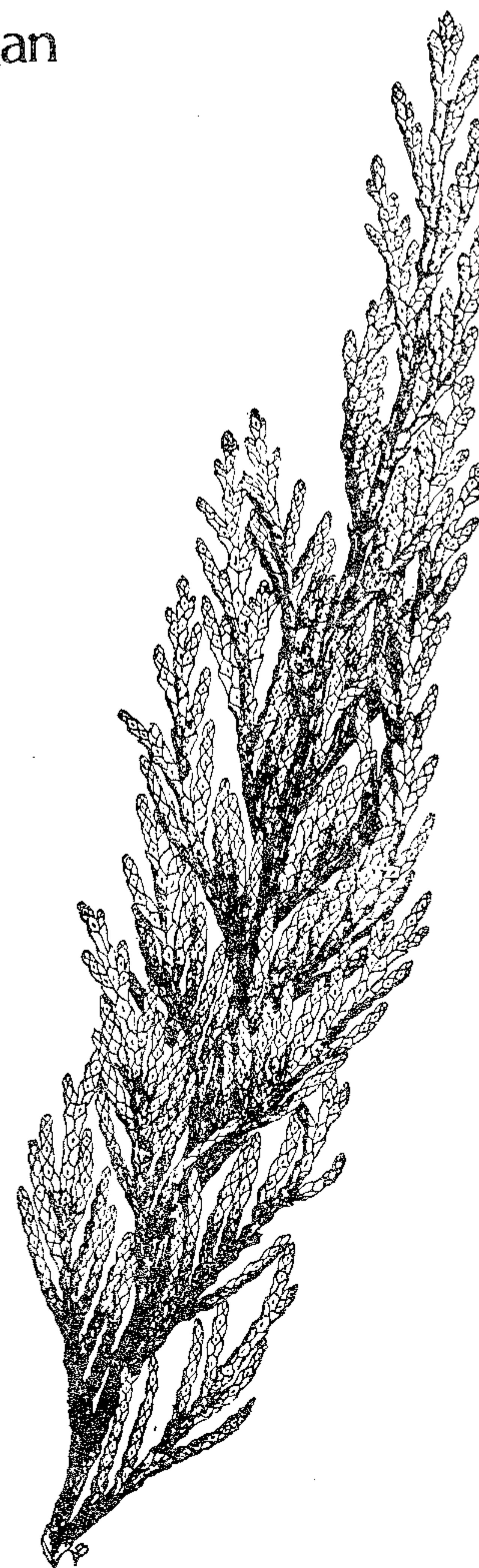
Port Orford cedar (Chamaecyparis lawsoniana) is one of the most attractive trees in Oregon. It is part of a number of forest communities in southwestern Oregon and was formerly of great importance, both economically and biologically. It has been declining rapidly and is threatened as the result of several factors, the most important of which is the introduction of a root-killing fungus, Phytophthora lateralis. This disease has wiped out many Port Orford cedar stands in the southwest Oregon coastal zone and is threatening some inland populations.

Port Orford cedar is principally found in three SW Oregon counties-- Coos, Curry, and Josephine--and three NW California counties. Although it has a narrow geographic range, it occurs as a dominant species in a number of habitats: low elevation riparian areas on serpentine in the Illinois Valley, in bogs, on coastal bottomlands, and on dry rocky ridges up to 4500 feet in the Siskiyou Mountains.

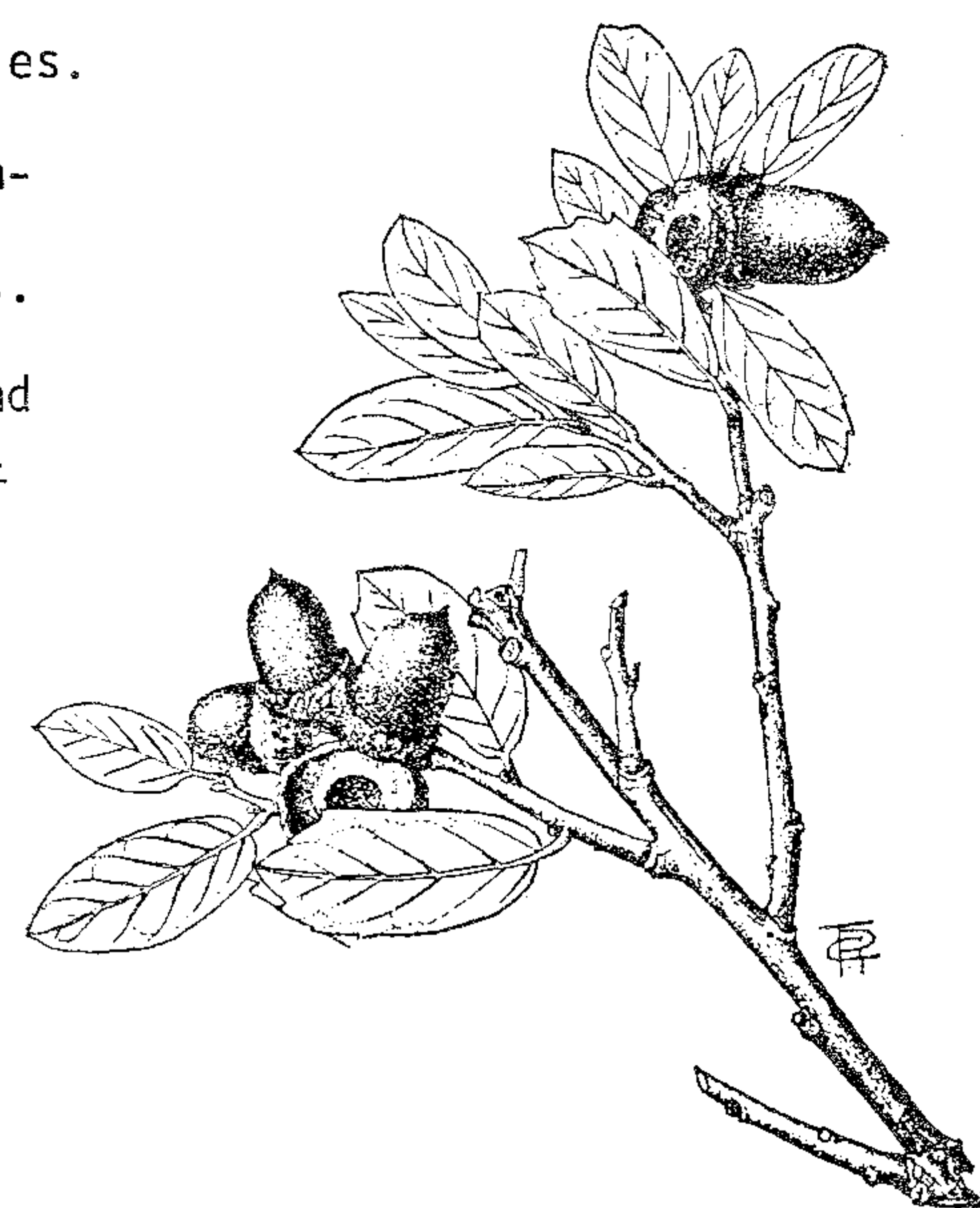
Ecologically Port Orford cedar is similar to Douglas-fir (Pseudotsuga menziesii). It is a large, long-lived, fire-resistant species which does not germinate or grow well in dense shade. Because of this, it is considered a seral species. Given enough time without any disturbance in a community, more shade-tolerant species such as western hemlock (Tsuga heterophylla), white fir (Abies concolor), and tanoak (Lithocarpus densiflora) would eventually replace Port Orford cedar (and Douglas-fir) in the canopy. However, it is able to remain a dominant species for several reasons. Many of the communities in which it occurs have severe enough conditions (serpentine = high mineral soils, summer drought, etc.) that a closed canopy does not develop. Most importantly it has thick, fire-resistant bark; and in most areas in SW Oregon wildfires have been a natural feature of the landscape. The frequency of natural wildfires in SW Oregon varies greatly, depending on the climate, the prevalence of lightning, and the topography. Wildfires can occur as often as every 15 years, in parts of Jackson County, to perhaps one hundred years apart toward the coast. Even with 200-400-year intervals between fires, fire-tolerant species which live to be over 500 years old could continue to dominate shade-tolerant but fire-sensitive species.

G. M. Hawk (1977) and Tom Atzet (1978) have described the plant communities in Oregon in which Port Orford cedar is a dominant species*. Probably the most threatened of these communities are the coastal ones. Port Orford cedar grows along the coast in Oregon with Sitka spruce (Picea sitchensis) in stabilized dune islands, on Blacklock soil**, and on sandstone. In California it also grows with coast redwood (Sequoia sempervirens) on alluvial (river) terraces. These not only have been hardest hit by root rot, but have also been heavily logged or removed for development. These assemblages were never common, and it may now be impossible to determine how important they were.

The species obtains its best development in the western hemlock zone (inland on low- to mid-elevation slopes of the west side of the Siskiyou Mts. and south end of the Coast Range), where trees have been found over 200 feet tall and five feet in diameter. In this area, forests are protected on two federal Research Natural Areas in the Siskiyou National Forest: Coquille River Falls RNA and Port Orford Cedar RNA. The communities represented are dominated by Port Orford cedar, Douglas-fir, western hemlock, and grand fir (Abies grandis). The most common understory species on benches and wet north slopes is swordfern (Polystichum munitum), while drier sites have salal (Gaultheria shallon), Oregon grape (Berberis nervosa), pacific rhododendron (Rhododendron macrophyllum), and evergreen huckleberry (Vaccinium ovatum).



Chamaecyparis lawsoniana



Quercus vacciniifolia

Further inland, Port Orford cedar occurs at higher altitudes, growing with white fir and Douglas-fir. Understory dominants include Sadler oak (*Quercus sadleriana*), pacific rhododendron, western azalea (*Rhododendron occidentale*), western leucothoe (*Leucothoe davisiae*), and vanillaleaf (*Achlys triphylla*).



Leucothoe davisiae

The last group of communities in which Port Orford cedar dominates are the serpentine types. Although these have not been as heavily logged and are not yet affected by root rot, they have always been fairly uncommon. In these communities Port Orford cedar occurs with Jeffrey pine (*Pinus jeffreyi*), Douglas-fir and occasionally sugar and western white pines (*Pinus Lambertiana* & *P. monticola*). Understory species in these communities include pacific rhododendron, western azalea, huckleberry-leaved oak (*Quercus vaccinifolia*), California laurel (*Umbellularia californica*), beargrass (*Xerophyllum tenax*), and California fescue (*Festuca californica*).

Forested serpentine communities are currently unprotected, but good examples occur in the Lemmingsworth Gulch proposed RNA and the Eight Dollar Mountain proposed Botanical Area and ACEC (Area of Critical Environmental Concern). It will be largely up to the federal government's Research Natural Area Program to protect examples of this important part of our natural heritage.

REFERENCES:

- Atzet, Tom. 1979. Description and Classification of the Forests of the Upper Illinois River Drainage of Southwestern Oregon. Ph.D. Dissertation, Oregon State University, Corvallis, Oregon.
- Hawk, G. M. 1977. A Comparative Study of Temperate *Chamaecyparis* Forests. Ph.D. Dissertation, Oregon State University, Corvallis.
- Whittaker, R. H. 1960. Vegetation of the Siskiyou Mountains, Oregon and California. *Ecol. Monogr.* 30:279-338.

*PORT ORFORD CEDAR FOREST COMMUNITIES:

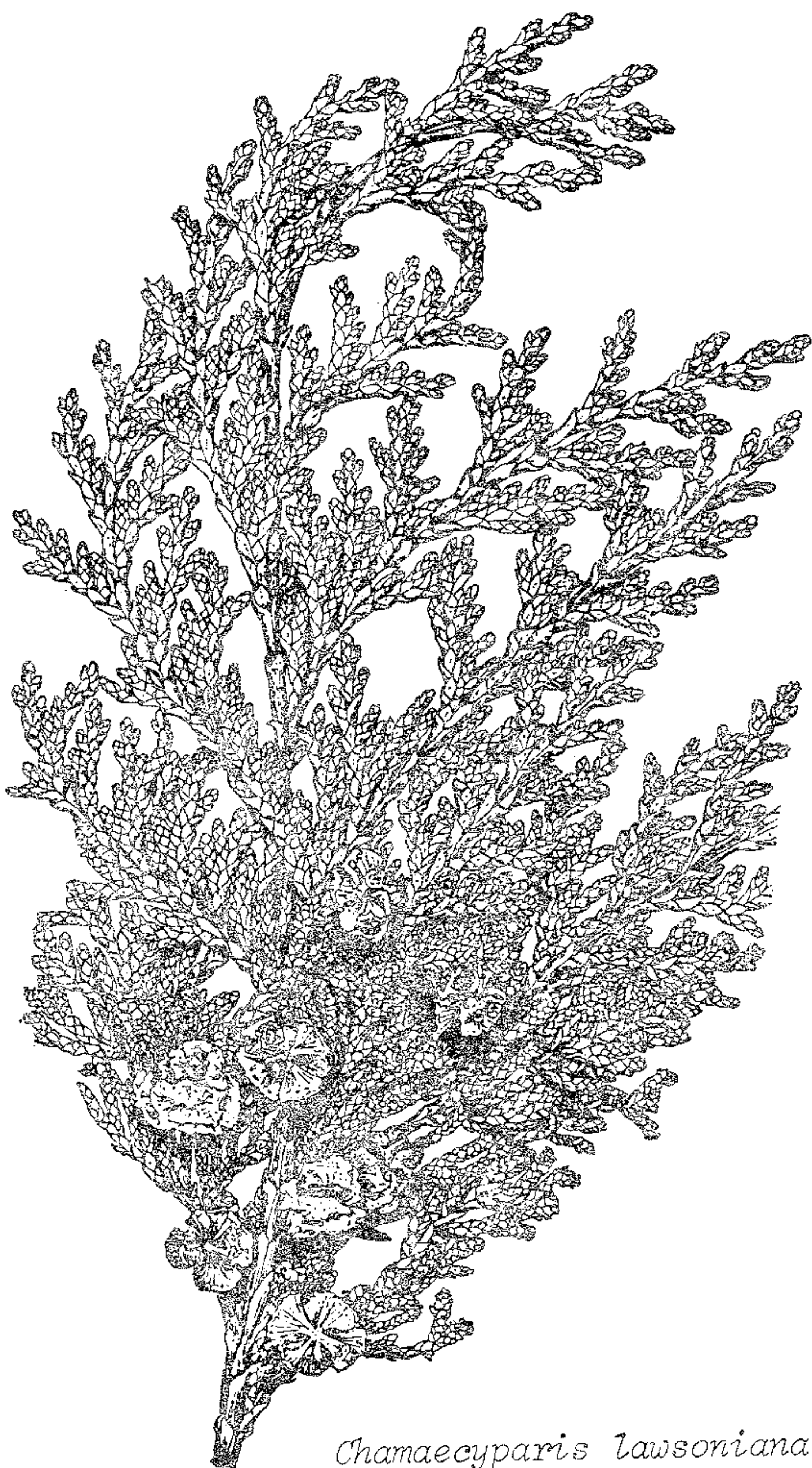
Coastal--Port Orford cedar-Sitka spruce or coast redwood

W. hemlock zone--Port Orford cedar-Douglas-fir-western hemlock/swordfern
 Port Orford cedar-Douglas-fir-western hemlock/California laurel
 Port Orford cedar-Douglas-fir-western hemlock/pacific rhododendron

Inland--white fir-Port Orford cedar-western hemlock/western leucothoe
 white fir-Port Orford cedar-Douglas-fir/western azalea
 white fir-Port Orford cedar-Douglas-fir/sadler oak-pacific rhododendron
 white fir-Port Orford cedar-Douglas-fir/vanillaleaf

Serpentine--Port Orford cedar-Douglas-fir-pine/western azalea
 Port Orford cedar-Jeffrey pine/huckleberry-leaved oak/beargrass-California fescue
 Port Orford cedar-Douglas-fir/California laurel

**Blacklock soil is a dark-colored, poorly drained, acid soil low in nutrients and flooded during winter because of a hardpan layer 30-76 cm (1-2½ ft.) below the soil surface. Its name comes from Blacklock Point in Curry County, near Cape Blanco.



Chamaecyparis lawsoniana

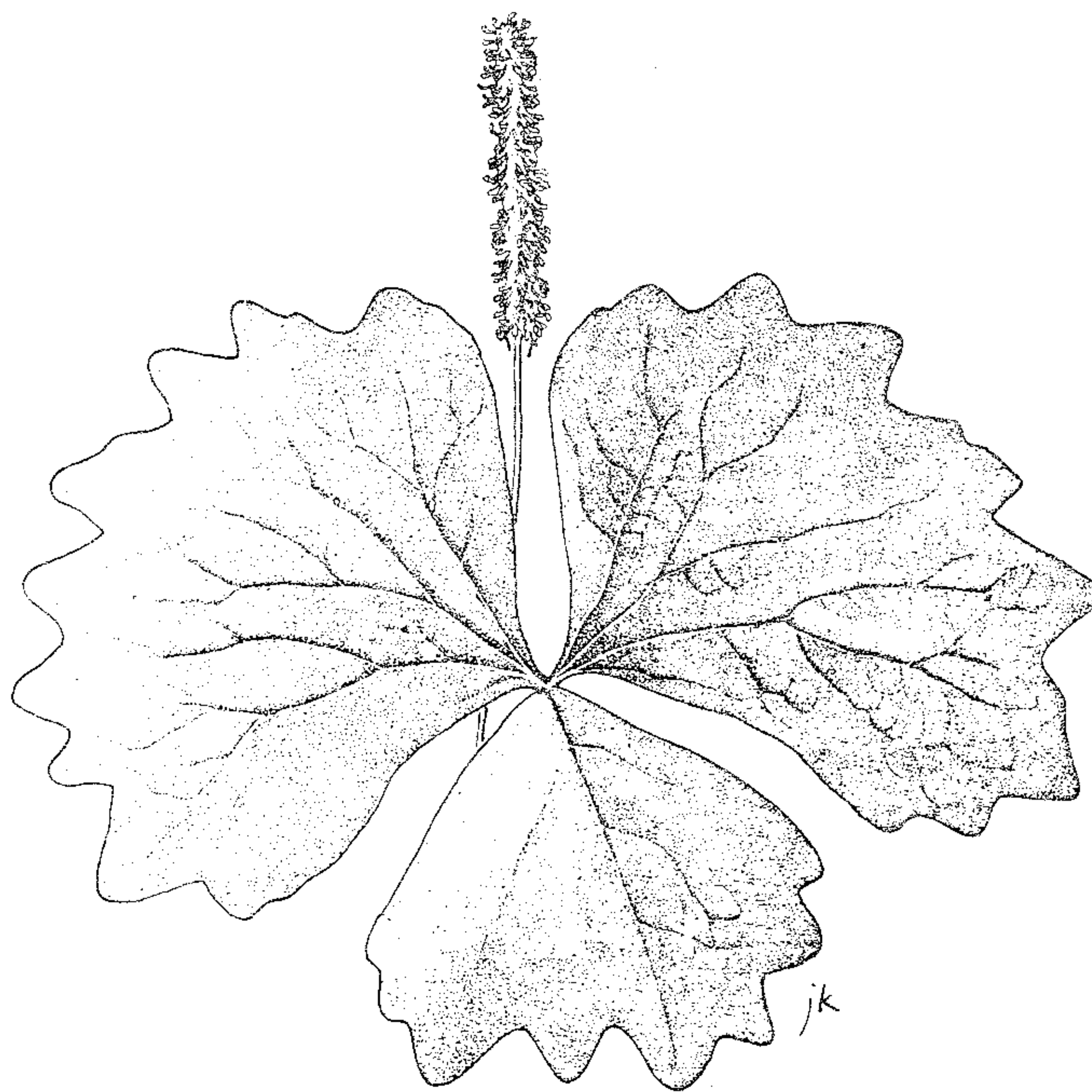
The following list of Oregon Audubon Council endorsements was unanimously supported by chapter delegates at the OAC meeting in Bend on Sunday, Sept. 18, 1983.

OREGON AUDUBON COUNCIL

CONSERVATION CONCERNS & ENDORSEMENTS 1983/84

- I. The Oregon Audubon Council endorses the policy of the National Audubon Society for the establishment of forest wilderness in Oregon.
- II. The OAC endorses the enactment of strong federal legislation to protect & preserve the wildlife, botanical, historical & scenic resource values of the Columbia River Gorge. We find the Governors' bill unacceptable & support the Packwood bill S.627 as minimally protective legislation.
- III. The OAC believes that Big Marsh is a unique habitat uncommon in the Crescent Ranger District of the U.S. Forest Service & that the best use of this area is to manage it for its unique wildlife values. We support the return of the area to original marsh habitat.
- IV. The OAC endorses the pursuit of state endangered species legislation for both plants & animals.
- V. The OAC urges the individual chapters to participate in the land use planning process at the local & state level by using & strengthening state laws to protect important habitat areas.
- VI. The OAC supports the establishment of a relationship between U.S. Audubon chapters & non-governmental organizations in foreign countries to promote an awareness of the interdependence of our shared environment, to develop programs which further global stewardship, & to establish avenues of mutual cooperation which encourage a world environmental conservation ethic.
- VII. The OAC endorses the concept of Oregon desert wilderness. We encourage the chapters to watchdog the current Bureau of Land Management Desert Wilderness administrative process, to resist efforts to reduce the Wilderness Study Area base, & to provide input in the development of the draft & final Environmental Impact Statement & pursue the goal of a Congressional enactment of Oregon Desert Wilderness.
- VIII. The OAC opposes the Gasquet Mountain mine project & supports the southwestern Audubon chapters' position against laterite mining in Oregon & Northern California.
- IX. The OAC endorses the proposal to petition for U.S. threatened or endangered species status for the northern spotted owl.
- X. The OAC endorses efforts to halt the spraying for spruce budworm in northeastern Oregon.
- XI. The OAC endorses the concept of multiple use on all revested O & C lands.

- XII. The OAC endorses the establishment of an ecosystem management plan to prevent extinction of Port Orford cedar in its historic range.
- XIII. The OAC endorses the preservation of Yaquina Head.
- XIV. The OAC recognizes the national significance of Malheur National Wildlife Refuge & endorses the active involvement of the National Audubon Society in promoting ecologically sound management practices at Malheur Refuge. We encourage the Oregon chapters to provide grassroots support for the refuge when necessary.

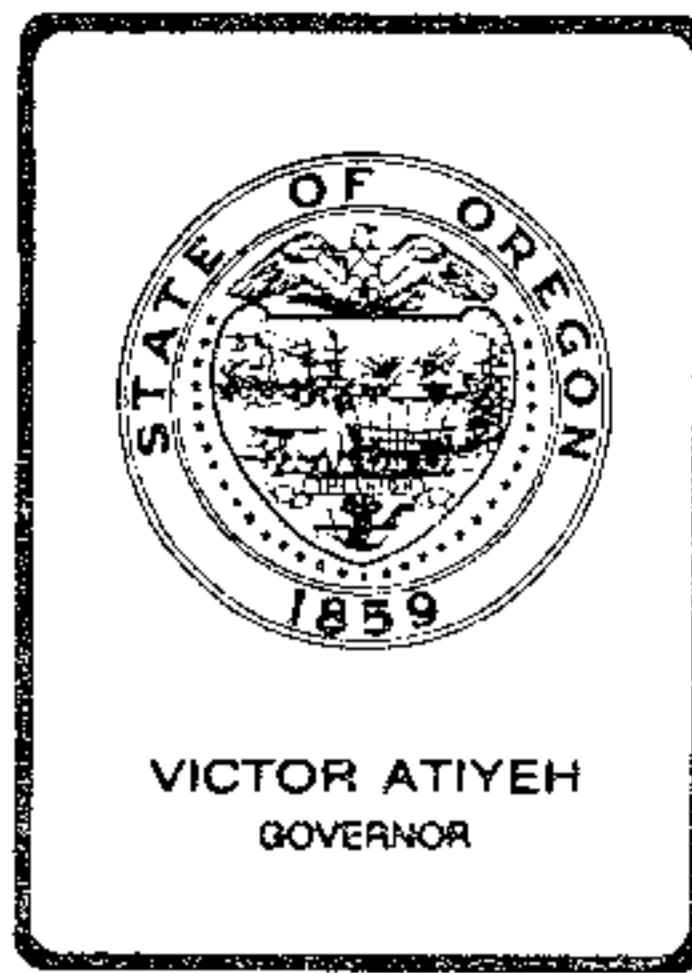


THE FOREST

*I am the heat of your hearth,
 During cold winter nights;
 I am the friendly shade
 Which you find when you walk
 In the summer sun;
 My fruit quenches your thirst
 On the road;
 I am the table in your house,
 The bed on which you repose,
 The wood of your boat,
 I am the handle of your spade,
 The door of your dwelling,
 The wood of your cradle,
 And your coffin,
 You who pass, hear me well,
 DO ME NO HARM.*

(From an engraving in the Garden of Marimurtra in Spain)

We get letters:



Department of Transportation
PARKS AND RECREATION DIVISION

525 TRADE STREET SE., SALEM, OREGON 97310

October 7, 1983

Native Plant Society of Oregon
Dept. of Biology
University of Oregon
Eugene OR 97403

The State Parks and Recreation Division has recently begun master planning work for the following parks in Tillamook County:

Oswald West State Park	Rockaway Beach State Wayside
Neahkahnle-Manzanita	Twin Rocks State Wayside
State Wayside	Cape Meares State Park
Nehalem Bay State Park	Oceanside State Wayside
Manhattan Beach State Wayside	Neskowin Beach State Wayside

As part of the planning process, an inventory of available data on the natural resources of those parks is conducted.

I am interested in any information your organization might have on the types of vegetation communities occurring in the parks, any special habitat needs, and any known locations of rare or endangered species. I am primarily interested in Oswald West, Nehalem Bay, and Cape Meares State Parks, since the state waysides consist primarily of sand and parking lots.

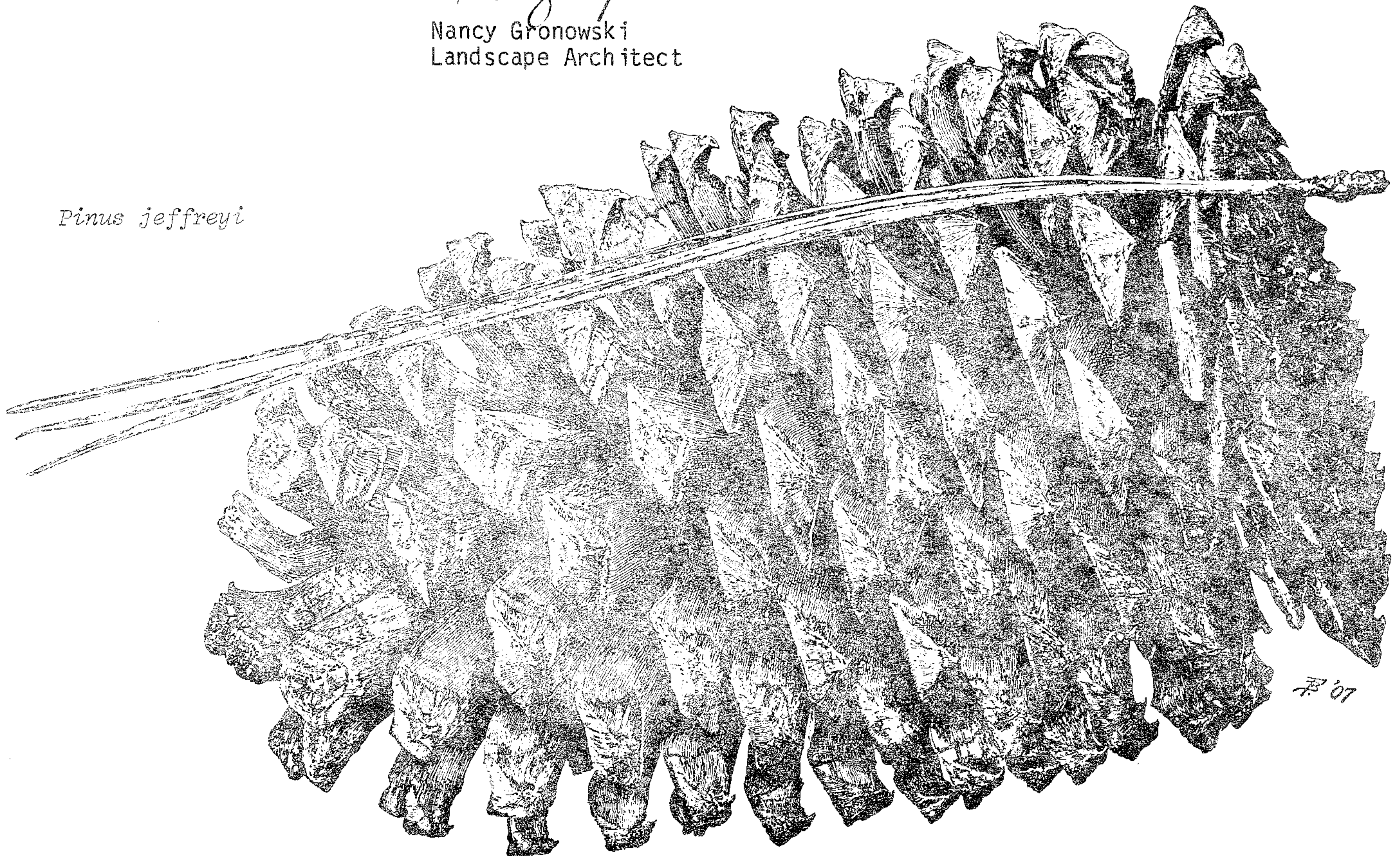
Thank you for your attention to this request. If you have any questions about the matter, please call me at 373-1654.

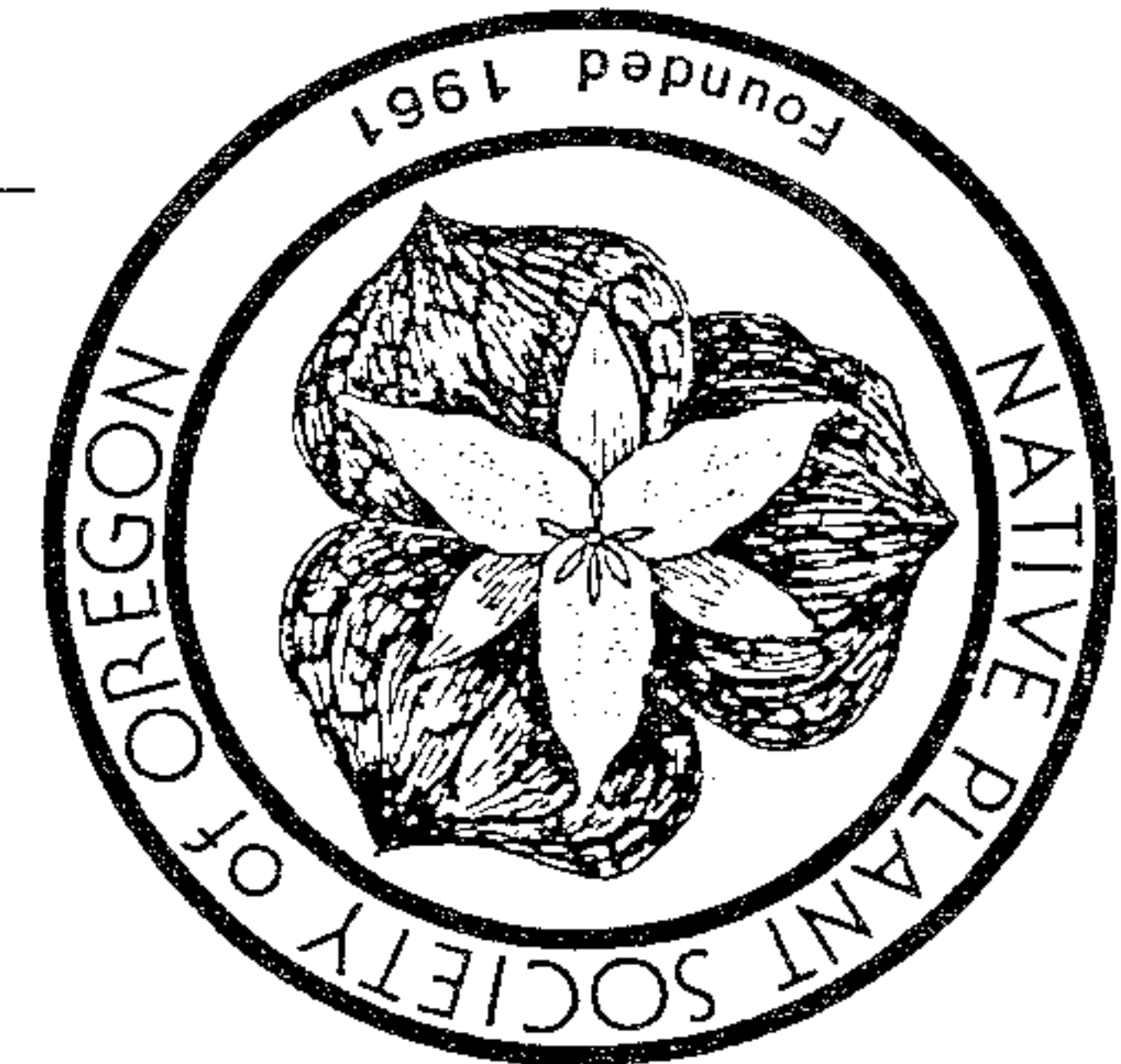
Sincerely,

Nancy Gronowski

Nancy Gronowski
Landscape Architect

Pinus jeffreyi





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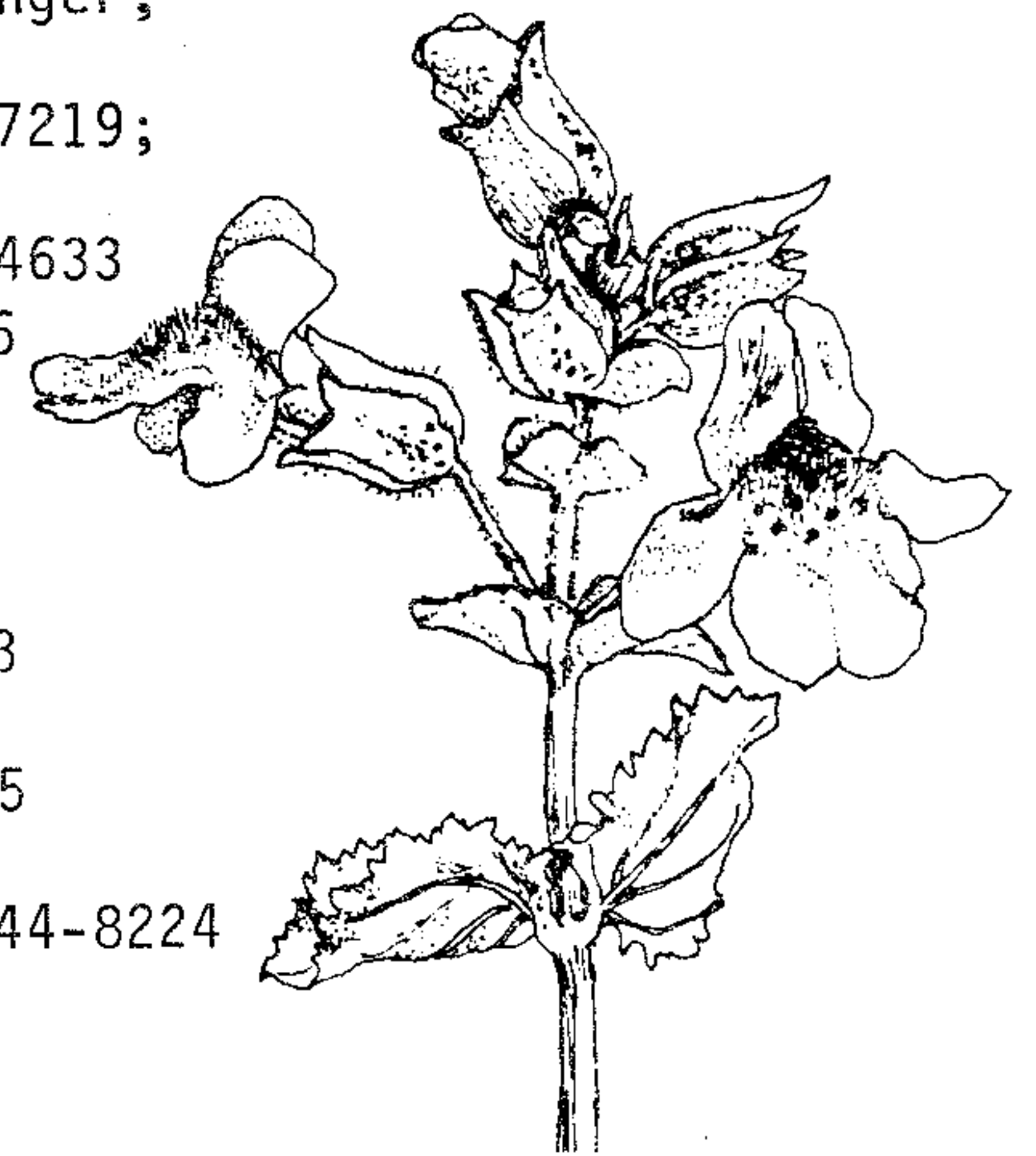
The Editor
Native Plant Society of Oregon
c/o Berry Botanic Garden
11505 SW Summerville Avenue
Portland, OR 97219

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