

Bulletin of the
**NATIVE PLANT SOCIETY
OF OREGON**

Dedicated to the enjoyment, conservation, and study
of Oregon's native vegetation

VOLUME 24

NUMBER 1

JANUARY 1991

ISSN 0884-599

CHAPTER NEWS

IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips 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. Participation is at your own risk. Bring water and lunch. All NPSO activities are open to the public at no charge (other than carpool mileage), and friends, newcomers and visitors are always welcome.

Notice to field trip chairs and leaders: The Forest Service and other Federal agencies have set policies limiting group size in wilderness areas to 12. The reason for this is to limit the human impact on these fragile areas. As we are often in the position of asking them to follow their rules and regulations for conservation of our natural resources, it's time for us to do the same. Each group using wilderness must be no larger than 12.

Blue Mountain

7 Jan., Mon.

MEETING. 7:30pm in Room 130, Morrow Hall, BMCC. Marilyn Cripe will present her slide show from her latest travels in Venezuela and Peru.

Corvallis

14 Jan., Mon.

MEETING. 7:30pm at the Herbarium Library (Room 4083 Cordley Hall, OSU). Our guest speaker will be Dr. Peter McEvoy speaking on the "Ecology and Biological Control of Invading Species".

Emerald

14 Jan., Mon.

MEETING. 7pm at Westmoreland Community Center, 1545 W. 22nd. Terri Jones will speak on "Non-forested Wetlands of the Willamette National Forest".

19 Jan., Sat.

FIELD TRIP Ever been at a loss naming that oh so familiar looking shrub or tree without its summer foliage? Join Rhoda Love for a short day of winter tree and shrub ID at Mt. Pisgah arboretum. Twig keys will be provided. Depart from the South Eugene High School parking lot at 10am. Bring handlens and pocket knife. For more info call Rhoda Love (345-6241).

16 Feb., Sat.

FIELD TRIP. Join Dave Wagner for a study of the lush diversity of bryophytes and ferns within the mist-shrouded conifers of Fall Creek. Learn the common mosses, lichens, and liverworts of this magnificent forest. Depart from the South Eugene High School parking lot at 9:30am. Bring lunch, handlens. For more info call Dave Wagner (346-3033).

High Desert

For information, call Bill Hopkins (388-7434).

Mid-Columbia

2 Jan., Wed.

MEETING. 7:30pm at the Mosier School. Jerry Igo will present his latest video production "Seasons in the Gorge", postponed from December.

6 Feb., Wed.

MEETING. 7:30pm at the Mosier School. Mary Jean Sargent will present "Wildflowering in Western Australia", a selection of slides from her last visit there.

North Coast

Portland

8 Jan., Tue.

For information, call Sallie Jacobsen (842-4350).

MEETING. 7pm at First United Methodist Church, 1838 SW Jefferson St., Portland. "I apology for straying from the normal practice of having slides specifically on native plants. This month we will be getting back on track with George Lewis. He will be showing slides on a single plant family thru May 1991. Our meeting programs will be based on plant families or plant ecosystems."

---Tom Cherick Jr., 1st Vice President.

TURN TO the article on page 4 about Portland's important Lecture Series this February.

Siskiyou

10 Jan., Thurs.

MEETING. 7:30pm in Room 171 of the Science Bldg. at Southern Oregon State College. Dr. Darlene Southworth, professor of biology at SOSOC will speak on *Limnanthes* as a new crop for Oregon based on the study of embryo culture and seed selection for high oil content.

South Coast

For information on formation of this pending chapter, contact Jim Curran (396-4939).

Umpqua Valley

10 January, Thur.

MEETING. 7pm, Room 131, Douglas County Courthouse, Roseburg, Oregon. 1990 botany programs on the Umpqua National Forest and the Roseburg district BLM. Plant ID sketch of broadleaved evergreens, field trip reports.

12 January, Sat.

FIELD TRIP. Examine different plant communities around Irwin Rock out Ten Mile off Hwy 42. Meet 8am in the BLM parking lot, 777 Garden Valley Rd., Roseburg. Leader: Richard Sommer (673-3709).

Willamette Valley

21 Jan., Mon.

MEETING. 7pm at First United Methodist Church, Room 225, 600 State St., Salem. "Favorite Flower Slides and UFO Night". Members are encouraged to bring their own favorite slides in addition to slides of any unidentified flowering objects. Refreshments provided.

William Cusick

For information, contact Karen Antell (963-0267).

STATE BOARD TO MEET JAN. 26TH

Ever wonder how the Native Plant Society of Oregon manages its diverse statewide activities? Your next chance to see our far-flung State Board organization in action is January 26th. All NPSO Board meetings are open to the public and members are encouraged to attend and participate. The meeting will be at 10am at OSU in Room 2087 at Cordley Hall (On Orchard Ave. between 27th and 30th, across from Oceanography). Bring a sack lunch; beverages and snacks will be supplied.

Please send **AGENDA ITEMS** to President Stephanie Schulz by Jan. 10th.

The voting members of the State Board of the NPSO include State Officers, Chapter Presidents, and the Directors of the organization. The number on the State Board varies but currently is 22. A quorum is needed at each meeting to conduct business. Each Board member has a report to make on the activities they direct or oversee, as do all state committee chairs. In an organization such as ours communications are essential in carrying out our purposes and in reaching our goals. Attendance by all Board members is needed to assure the clearest communications possible within our organization. If Board members or committee chairs cannot attend, they should either send a representative or submit a written report to the secretary before the meeting.

1991 "WISE USE OF NATIVE PLANTS" AWARDS PROGRAM

The Native Plant Society of Oregon is requesting entries and nominations for the 1991 "Wise Use of Native Plants" Award. Entries can be made in any of the six following categories:

- 1) Restoration, rehabilitation or enhancement of native plant sites.
- 2) Sensitive or innovative management of native plant sites.
- 3) New designed sites/gardens using native plants.
- 4) Outstanding achievements in propagation or production of native plants.
- 5) Outstanding research, education or writing regarding the conservation, restoration, propagation and wise use of native plants.
- 6) Outstanding partnerships or cooperative ventures to promote the wise use and propagation of native plants.

NPSO: A HISTORY

In 1991 our Society celebrates its 30th birthday. It seems fitting that we observe this occasion by collecting the stories of our founding and growth. This collection will be published in either the NPSO *Bulletin* or *Kalmiopsis*. We will try to document the history of the Society as a whole and of each chapter. I will serve as coordinator of this project.

Each chapter should send me a written history of the founding of the chapter. Topics such as who were the organizers, when did it occur, who were the first officers, and any interesting stories surrounding our beginnings are encouraged. The amusing things that happened and the human interest anecdotes are what makes our saga even more readable. I'd like each chapter president to take the responsibility of collecting this information or delegating it to an interested member.

I would also like each charter member of the original Portland Chapter founding in 1961 to send me their recollection. I need to receive this information over the next month or two. Please call me for questions or comments.

---Stu Garrett
1501 NE Med Center Dr.,
Bend OR 97701
(389-6981 eves)

Judging will be done by a committee approved by our president, Stephanie Schultz. Evaluations will be based on ethical plant sources, ecological fitness or appropriateness for a site, success rates, creativity, understandability and accessibility, as appropriate to the entry.

Nomination forms can be obtained by writing or calling Kathy Schutt at 1880 W. Nob Hill St., SE, Salem, OR 97302. Final entries must be post-marked by January 31st. The awards will be given at the February Cascadia Conference in Portland.

---Kathy Schutt, Willamette Valley Chapter

NO MOO AT MOUNT PISGAH TOO?

Cattle may be moving off Rooster Rock State Park but they are still out at Buford Park a 2235 acre public park in Land County outside Eugene. Bob Keefer, the new County Parks director, recently agreed to conduct the first resource inventory there since the Park was established 17 years ago, including a study of botanical values.

A large population of federally endangered *Lomatium bradshawii* was found at the park and fenced off in June, 1990. *Aster vialis* is known to occur on the summit of Mount Pisgah, where it is doing poorly due to browsing. *Mimulus cardinalis* is only known from riparian zone herbarium records, from collections in the 1970's by Georgia Mason. Most intriguing is the northernmost surviving community of the shrub *Ceanothus cuneatus*: Will wildflowers in the understory mimic those found in this association further to the south?

Restoration could be possible if Lane County halts the grazing when the lease extension expires June 30th. The challenges are similar to those at Bald Hill in Corvallis: a huge seed bank of exotic annuual grasses and vexations populations of blackberry, thistle, poison oak, tansy, and Scotch broom in areas of cattle disturbance. Volunteers are needed this spring for the plant inventory!!! If interested, please contact:

---Tom Pringle
Emerald chapter
POB3429, Eugene 97403 (484-0669)

NPSO 1991 ANNUAL MEETING, JUNE 14-16: MONTHLY UPDATE

ANNUAL MEETING PLANS: Emerald Chapter members under the direction of Charlene Simpson, Annual Meeting Chair, are hard at work on plans for NPSO's big 30th Birthday Annual Meeting in Eugene. We hope that you put the dates Friday, Saturday and Sunday, June 14, 15 and 16 on your calendars as soon as you saw our first notice in your December *Bulletin*. If you didn't please do that now.

REGISTRATION MATERIALS: We had promised to include registration materials in this January *Bulletin*, but we need a bit longer to prepare the forms. Look for registration forms early in 1991. Meanwhile, make plans to attend.

SATURDAY NIGHT BANQUET SPEAKER: Dr. Linda R. McMahan, Executive Director of Portland's Berry Botanic Garden will be our speaker. Her topic will be "Conserving Plant Diversity: Challenge for the 90's." You will all want to hear Dr. McMahan address a topic on which she is a recognized global expert.

POSTER SESSION: Something New! Emerald Chapter asks that each Chapter bring one or more posters for a Saturday night pre-banquet Poster Session. Emerald Chapter suggests the following as possible poster topics: History of your chapter, R and E plants of your region, one or more chapter activities, an important chapter conservation project, one or more chapter field trips, or any other topic of your choice. Chapters are not limited to a single poster. Hopefully, posters will include photos, perhaps maps, and explanatory and/or educational material. Your posters can later be used at flower shows, fairs, celebrations and other activities in which your chapter takes part. Please show the NPSO 30th Birthday spirit and join in this new NPSO activity.

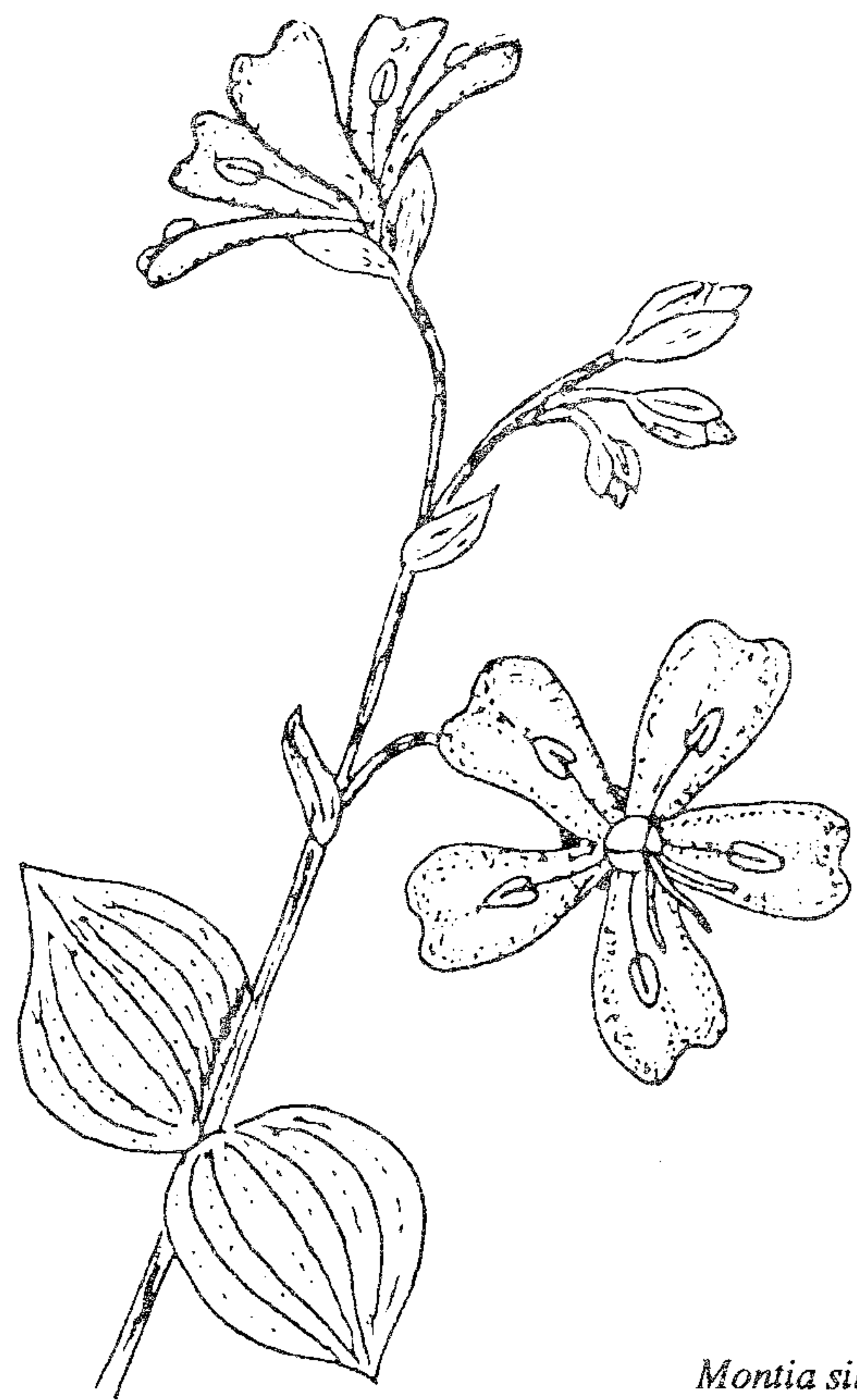
Questions? Look for more Annual Meeting information in the February *Bulletin*. For information about the poster session, call Rhoda Love, 345-6241. If you have general Annual Meeting questions, please call Charlene Simpson, 465-1059, or Jenny Dimling, 343-3242. See you all in Eugene in June!

---Rhoda Love,
Emerald Chapter
State Conservation Co-Chair

LECTURE SERIES TO BE BROADLY SPONSORED

The Portland Chapter, along with Berry Botanic Garden, Leach Botanic Garden, Portland Arboretum, Audubon, Metro, and the World Forestry Center, are all sponsoring a series of four lectures. These will take place on consecutive Wednesday beginning February 6, 1991. Each will cover a separate but related topic. The first will be an introduction to the global (and local) problems which are leading to losses in animal and plant diversity and ecosystems. The second will discuss animal and wetland species. The third will have a panel describing Metro green-spaces and creative ongoing programs. The final lecture will present ways to work together to find solutions to our environmental problems.

Mark your calendars for these four evening lectures. They will give a good working knowledge of our environmental problems. This year these lectures will replace our usual workshops. More information will be in next month's *Bulletin*.



Montia sibirica
Candyflower

Drawn by Herm Fitz

From NPSO *Bulletin* Feb. '82

NEIGHBORING NATIVE PLANT SOCIETIES

It is fun to look over our neighbor's fence and find out what's up. Almost all western states now have Native Plant Societies. All the states surrounding us have active ones. I'd like to tell you something about them and encourage your membership in them. Who knows, if we get to know one another well enough we may one day have "The Association of Western Native Plant Societies". (Rhoda Love, are you listening?)

CALIFORNIA NATIVE PLANT SOCIETY

Our younger but much larger (8500 members in 28 chapters) cousin to the south is, in my opinion, what all NPS's should aspire to be. They are strong advocates for rare species and biological diversity. They have a full time staff and sponsor a diverse education program. Their high-quality journal, *Fremontia*, is superb and an inspiration for our own *Kalmiopsis*. Each chapter has its newsletter and there's a statewide monthly announcement bulletin for their incredible array of activities. I've enjoyed being a member of the Bristlecone Chapter of Bishop on the east side of the Sierras. This chapter covers desert and water issues well. To join the CNPS send \$18 to 909 12th St., Suite 116, Sacramento, CA 95814.

WASHINGTON NATIVE PLANT SOCIETY

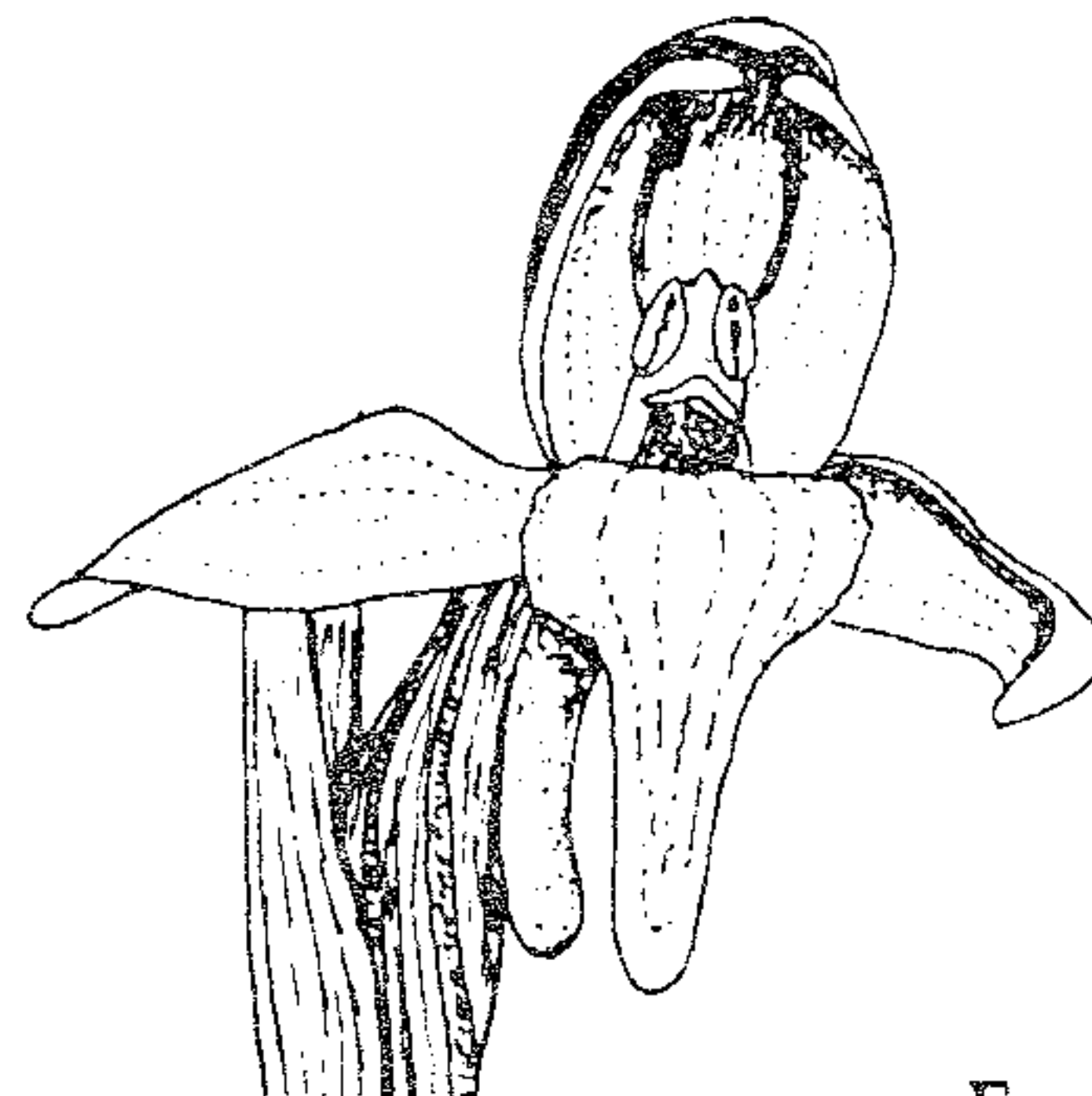
Our northern neighbors have nine chapters statewide. Their newsletter, *Douglasia*, is my favorite. Professor Art Krukeberg of UW edits it with erudition and a folksy style. His article selection is eclectic and always fascinating. He has a sense of humor and an occasional awful pun slips in. They are very involved in conservation issues, having served as the group mostly responsible for reducing exotic mountain goats who were eating rare species in Olympic National Park. The goats were captured and sent to Oregon's Blue Mountains! WNPS sponsors yearly Summer Study weekends and annual High Country Backpack. Send \$12 to WNPS, c/o Shelley Farber, 3625 Bagley Ave., N., Seattle, WA 98103, to join.

IDAHO NATIVE PLANT SOCIETY

Idaho is a recent member of the NPS club. They have four chapters and over 300 members. *Sage Notes* is their state newsletter and covers items of interest for Eastern Oregonians also. Their most recent recounted successful efforts to promote RNA's on USFS land. They sponsor the Idaho Rare Plant Conference each spring. Dues are \$8 to INPS, POB 9451, Boise, 83707.

NORTHERN NEVADA NATIVE PLANT SOCIETY
Headquartered in Reno, they have no other chapters. They are an active bunch with frequent fieldtrips and are involved with conservation issues. Lots of ethnobotany is included in their newsletter. They seem quite concerned about assuring nursery propagation for the native plant suppliers in their area. You can become a member and receive their monthly bulletin by sending \$7.50 to NNNPS, POB 8965, Reno, NV 89507.

---Stu Garret
Eastside Conservation Chair
Immediate Past President



Habenaria dilitata
Boreal bod orchid
Drawn by Herm Fitz

From NPSO *Bulletin* Apr. '80

FIELD TRIP REPORT

The NPSO *Bulletin* said, "Explore Douglas County plant diversity". 11 people met at 8am at the BLM in Roseburg, then went east on Hwy 138 to Colliding Rivers, the old Glide Ranger Station, where we picked up guide Jack Price, district ranger retired, who gave us a quick tour of the arboretum, looking askance at exotics the Glide Garden Club planted. Saw native *Cercocarpus* sp., then east to Twin Lakes roadhead, 1.25 mile by trail to lake at 5000' S29T27R2E. Snow here and there. In a cool north-facing debris fan near the lake there was a grove of *Chamaecyparis nootkatensis* with little ones around. Lunch on the rocks. Down the trail to roadhead and out with stop by Weeping Rocks at Marsters Bridge to see a petrified standing tree in roadcut. What is it? On home with another tour of Glide arboretum to see *Cupressus arizonica*, *Cedrus libani*, and *Umbellularia californica*.

---Richard H Sommer, President
Umpqua Valley Chapter, NPSO

IT IS PAST TIME FOR THE US FISH & WILDLIFE SERVICE TO LIST OUR ENDANGERED APPLGATE'S MILKVETCH

It is time for Native Plant Society of Oregon members to express concern about our very rare Applegate's milkvetch, *Astragalus applegatei*. This plant has been waiting for Federal Listing as Endangered for a decade now. We have learned that the listing package was sent to the Portland office of the U. S. Fish and Wildlife Service from the Boise Field Station in April, 1989 -- almost 2 years ago. We understand that the Portland office is reviewing the proposed rule to list *Astragalus applegatei*, but has not yet submitted it to the Regional Solicitor's office. We want to encourage them to do this without further delay.

As Bulletin readers know, Oregon was one of the first states in the U. S. to complete a truly comprehensive list of its rare plants. The list contains approximately a hundred species that are in danger of becoming extinct if they do not receive the careful management considerations that Federal listing insures. We Oregonians know that in the continental United States, only California and Florida have a greater percentage of their flora in danger of extinction. It has been 18 years since the passage of the Federal Endangered Species Act of 1973, but in that time, only 3 of Oregon's nearly 100 threatened plants have received federal listing. That is 6 years per plant. At that rate it will take 600 years for Oregon's rare plants to receive protection! The last plant to receive federal protection in Oregon was *Lomatium bradshawii* which was listed in October, 1988 --over 2 years ago. Unless the speed of listing increases to at least several plants per year, Oregon's fragile flora will be decimated before the Federal Government takes the necessary steps to protect it.

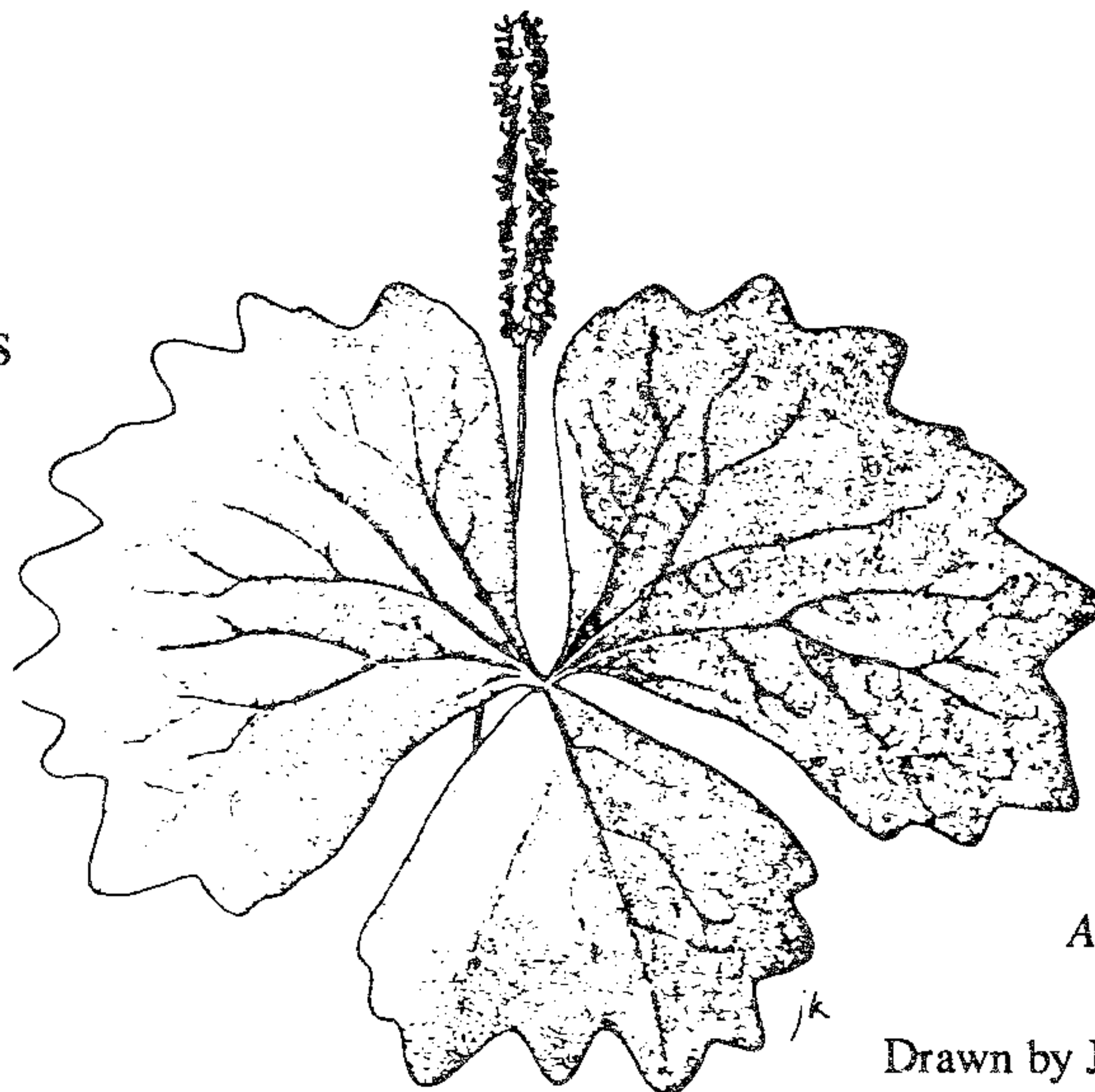
Astragalus applegatei is a plant of moist meadows in southern Klamath County. Presumably due to draining, agriculture and other anthropogenic changes to its habitat, the species' range has grown smaller so that the plant is now reduced to one reasonably-sized population inside the town of Klamath Falls and two tiny, and perhaps non-viable patches on the Miller Island Wildlife Management Area (WMA). If it could receive immediate federal protection, seed could be collected from the Klamath Falls population, and a management program could be undertaken to reintroduce the species to suitable habitat on the WMA and elsewhere in Klamath County. However, speed is of the essence, as the Klamath

Falls patch is under threat of development and without this seed source, it is virtually certain that *Astragalus applegatei* faces extinction. It was officially listed as Endangered by the State of Oregon on October 27, 1989.

Astragalus applegatei was discovered by long-time Willamette University botanist, Morton E. Peck, in the early-1930's and named for his friend and collecting partner, Elmer Ivan Applegate, member of the famous Oregon pioneer Applegate family. Peck published a description of the new milkvetch in the *Proceedings of the Biological Society of Washington* in 1936. With the passage of the Federal Endangered Species Act in 1973, plant records were searched in Oregon and it was discovered that no botanist had formally reported seeing Applegate's milkvetch since 1931. The plant was then searched for in Klamath County, and a few tiny patches were found. Unfortunately, these have been shrinking in size in the decade that this plant has been waiting for listing.

Time has almost run out for *Astragalus applegatei*. Please let the U. S. Fish and Wildlife Service, 1002 NE Holladay Street, Portland, 97232, know that as members of the NPSO, we hope to see *Astragalus applegatei* receive federal listing without further delay. Please send copies of your letters to Senators Hatfield and Packwood, and to your U.S. Representatives.

---Rhoda Love,
Emerald Chapter
State Conservation Co-Chair



Achyls triphylla
Moose Plant
Drawn by Julie Kierstead

1991 OFFICERS FOR THE BLUE MOUNTAIN CHAPTER

PRESIDENT---Jerry Baker, Route 1, Box 263,
Adams OR 97810-9704

VICE-PRESIDENT---Jeannie Jensen

SECRETARY---Vernice V. Irish

CONSERVATION CHAIR POSTS FILLED

The position of State Conservation Chair has been split into two positions, one for east of the Cascades and one west. Our immediate past president, Stu Garrett, accepted the Eastside Chair in September. Rhoda Love, who retired from the secretary's position last June, has accepted the Westside Chair. We hardly need say "welcome aboard" to these two longtime NPSO stalwarts, but thanks for their continued volunteer support of the Society is certainly in order.

The two State Conservation Chairs will be handling issues surrounding preservation of Oregon's rare and not so rare plants, their ecology, and related issues. If members run across any conservation issues that need attention, be sure to contact the appropriate Conservation Committee Chair. Their numbers are:

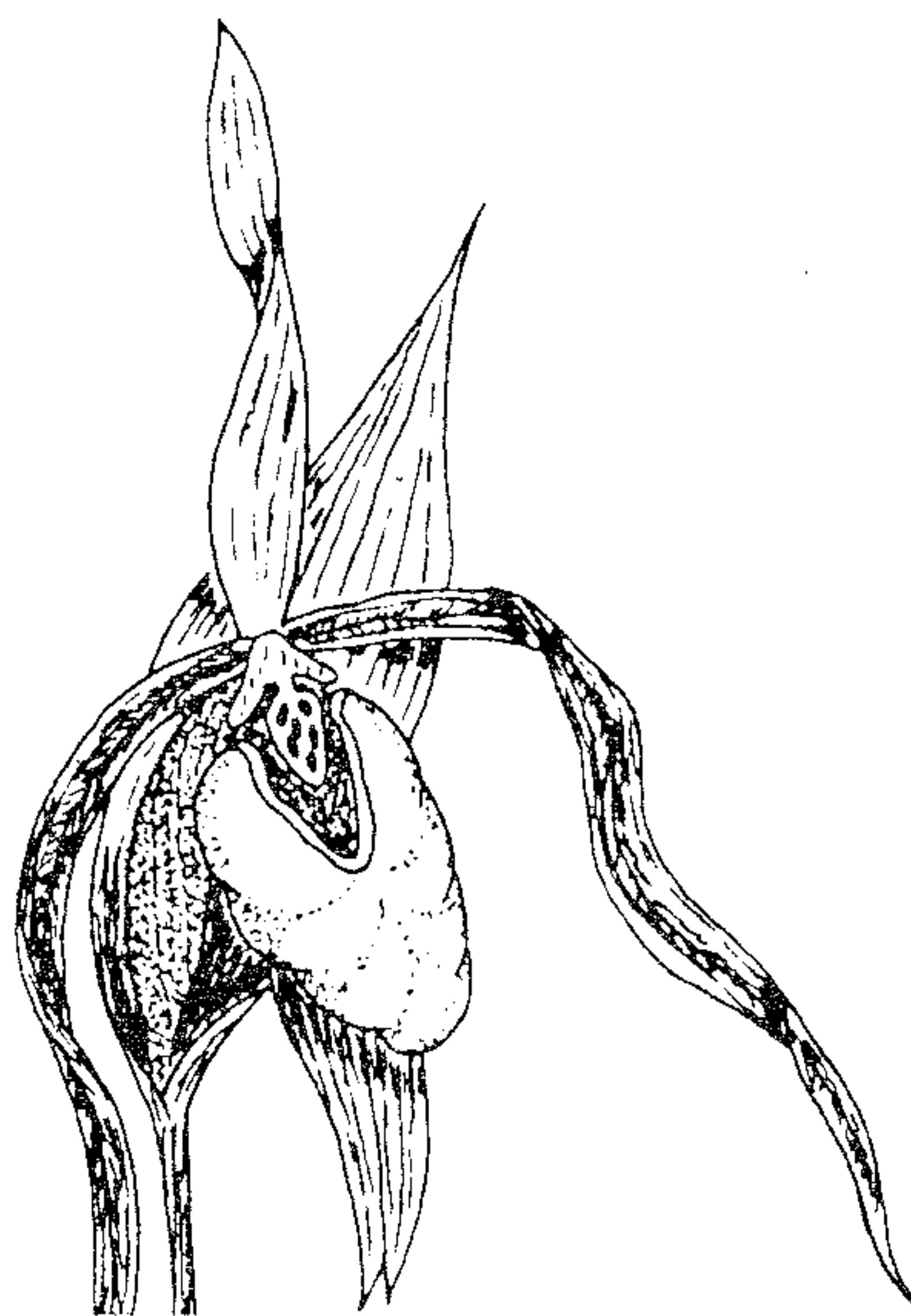
Stu Garrett
1501 NE Med Center Dr.,
Bend OR 97701
(389-6981 eves)

Rhoda Love
393 FulVue Dr.
Eugene OR 97405
345-6241

COLLECTING NEWBERRY'S GENTIAN?

In response to Tom Kaye's article on *Gentiana newberryi*, I congratulate Tom on clarifying the need to collect fruits of our Gentians, but collections, either in flower or fruit, of species on the Regional Forester's Sensitive Species list (one of which is *Gentiana newberryi*) is unlawful unless one receives a permit. Permits may be obtained from a USFS Supervisor's office or District Office. We need this information to monitor the health of our sensitive plant populations.

---Jennifer Dimling,
Willamette NSF Botanist



Cypripedium montanum

Mountain lady's slipper

Drawn by Herm Fitz

From NPSO *Bulletin* Apr. '80

NOMINATIONS CHAIR NEEDED

A volunteer for the position of Nominations Chairperson is needed. This position entails finding at least one person willing to run for each open position on the State Board and for each State Officer, getting ballot information to the *Bulletin* editor, and overseeing counting the ballots. Finding other committee members first helps spread the workload. Any interested parties should contact our president, Stephanie Schultz (485-1868).

GRANT PROPOSALS REQUESTED

The Native Plant Society of Oregon will continue to sponsor small research grants. The objectives of the program are:

- 1) to stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state, and
- 2) to promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Persons interested in applying for funding can obtain a copy of the program policy and guidelines from Dan Luoma, Research Grants Committee Chair, 2912 N. W. Arthur Ave., Corvallis, OR 97330. Research proposals will be due by March 1, 1991.

—Dan Luoma, Vice President NPSO

HOW THE SPOTTED OWL CAME TO BE LISTED AS ENDANGERED

From *Douglasia*, Newsletter of the Washington Native Plant Society, Vol. XIV, No. 4, Fall 1990, p.3.

Members and the general public have come to link the spotted owl with old-growth forests, with the beleaguered timber industry and with politics. We think it useful to let the USFWS's own words tell about the basis for listing the owl. We quote from the Endangered Species Technical Bulletin XV(7) for July 1990:

On June 22 [1990], the Service announced the decision to list the northern spotted owl as Threatened throughout its range. One of three spotted owl (*Strix occidentalis*) subspecies, this bird is found from southwestern British Columbia, Canada, through western Washington, western Oregon, and the Coast Range area of northwestern California south to San Francisco Bay. Approximately 2,000 breeding pairs have been located, although the total population is believed to number 3,000 to 5,000 pairs.

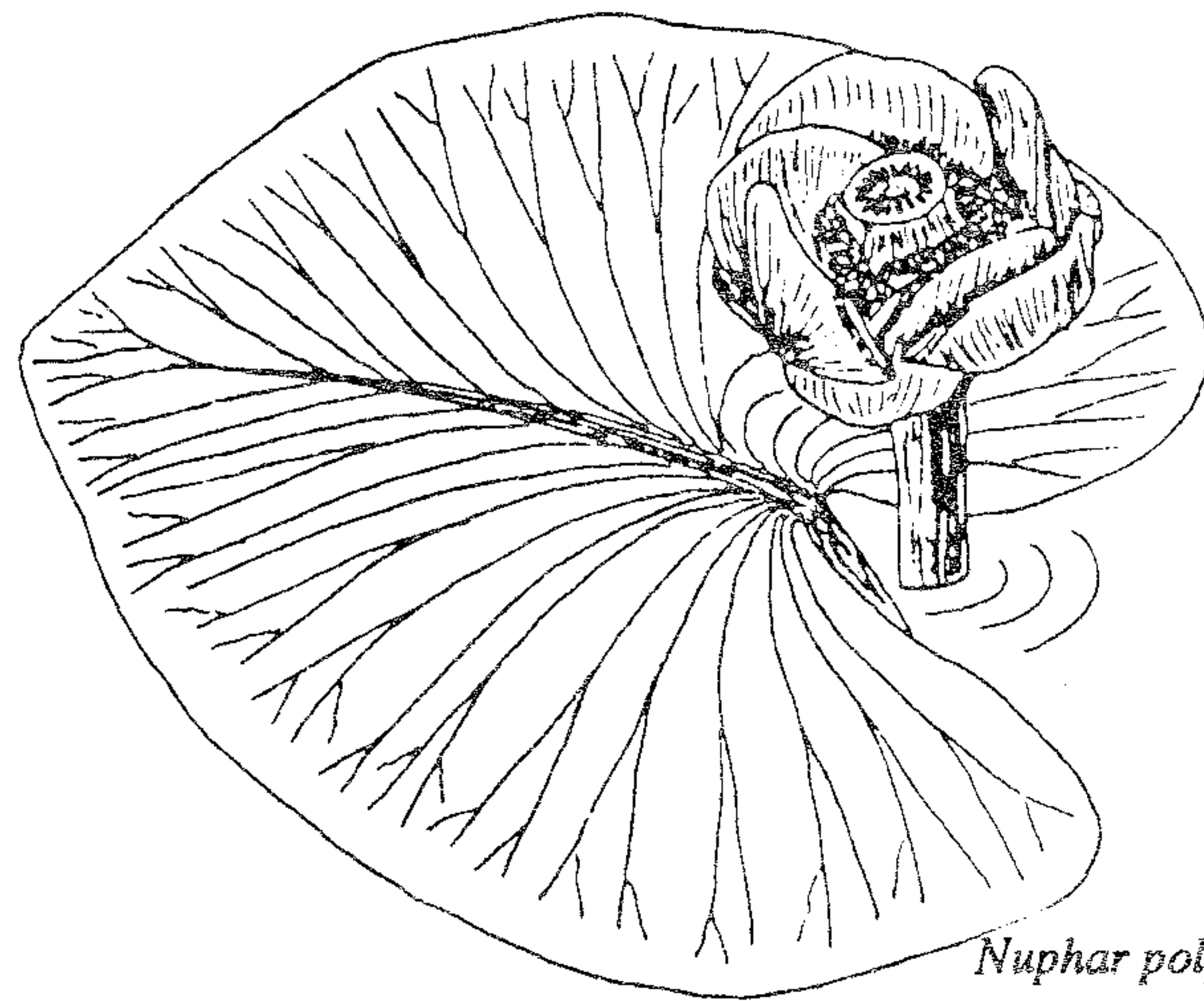
In making its listing decision, the Service found that the northern spotted owl is threatened by the degradation or loss of its habitat and the resulting decline in owl populations. Northern spotted owls occur primarily in old growth and mature forest habitats, but may also be found in younger forests that have the appropriate characteristics, such as: high canopy closure, large overstory trees, sufficient open space under the forest canopy for owls to fly, large accumulations of fallen trees and other woody debris on the ground, and numerous large snags or trees that have large cavities, broken tops, or other deformities. These characteristics provide nesting and perching sites for the owls, and support the animals upon which they feed. Most remaining northern spotted owl habitat is on public land managed by the US Forest Service, Bureau of Land Management, and National Park Service.

Radio telemetry studies indicate that northern spotted owls have relatively large home ranges. The extent varies with ecological conditions; for example, the median size of a pair's home range is about 3,000 acres in the Oregon Cascades but almost 10,000 acres on Washington's Olympic Peninsula. Although there are no reliable estimates of the subspecies' historical population size and distribution, spotted owls are believed to

have inhabited most older forests throughout the Pacific Northwest prior to modern settlement. However, most of these older forests no longer exist. Timber harvest is the primary factor responsible for the loss of habitat, but such natural events as fire, volcanic eruption, and wind storms have contributed to the decline.

In January 1987, the Service was petitioned by Greenworld to list the northern spotted owl as Endangered. Another listing petition was received in August of that year from the Sierra Club Legal Defense Fund, Inc., on behalf of 29 conservation organizations. The Service's initial finding that listing was not warranted at the time was challenged in court, and the court ruled against the Service. As a result, the Service reconsidered its decision. After additional information was received, a supplemental status review was completed, resulting in the Service's June 23, 1989 proposal to list the northern spotted owl as Threatened.

Due to controversy surrounding the management of old-growth forests in the Northwest, the Service conducted another status review that was unprecedented in scope and depth to ensure that the final decision on listing would be scientifically well-founded. According to the special Listing Review Team that was established to address the northern spotted owl issue, "Never before has so much been known about a species considered for threatened or endangered status".



Nuphar polysepalum

Pond lily

Drawn by Herm Fitz

From NPSO Bulletin Apr. '81

BITS AND PIECES

—News and Information From All Over

GORGE MANAGEMENT PLAN DEADLINE EXTENDED

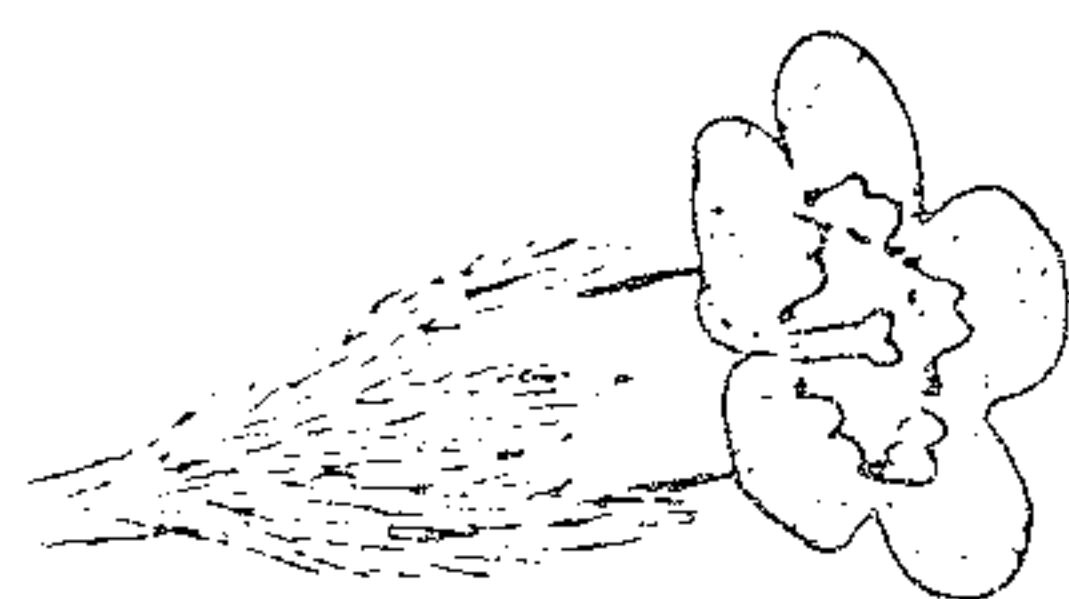
The Forest Service has extended their deadline for comments on the Columbia River gorge National Scenic Area Permanent Management Plan for the Special Management Areas of the Gorge. The new deadline is January 31st, 1991. Final adoption of the plan is scheduled for March, 1991. Although it has many good features, it is vital to comment on this important plan now as several points need improvement to fully protect this irreplaceable asset.

A few examples are appropriate. One of the last stands of old growth ponderosa pine in the Gorge near Burdoin Mountain has unfortunately been proposed for agricultural zoning. Federal land near Larch Mountain has been designated forest land, potentially allowing highly visible logging along Larch Mountain Road. Regulations concerning forestry practice plans and approval of dwellings on agricultural and forest lands are not clearly defined, leaving them open to potentially adverse interpretation. Some areas with sensitive plant communities, such as near Greenleaf Basin, are proposed to be in a forest land designation rather than open space. Send comments to:

Jim Hurlburt, Manager
Columbia River Gorge National Scenic Area
US Forest Service
902 Wasco Ave.,
Hood River, OR 97031

Richard Benner, Executive Director
Columbia River Gorge Commission
PO Box 730
White Salmon, WA 98672

Further information is available from:
Friends of the Columbia Gorge
Tamra Lisy, Education Outreach Coordinator
319 SW Washington St., Suite 301,
Portland Or., 97204



Myosotis discolor
Scorpion grass
Drawn by Herm Fitz
From NPSO *Bulletin* Sept. '82

DESIGNING, MAINTAINING AND RESTORING THE NATIVE LANDSCAPE III

Cascadia Native Landscape Center is sponsoring a conference emphasizing wetlands restoration and management. The session will emphasize discussion and participation, and the experts attending will primarily be involved in discussions rather than presentations.

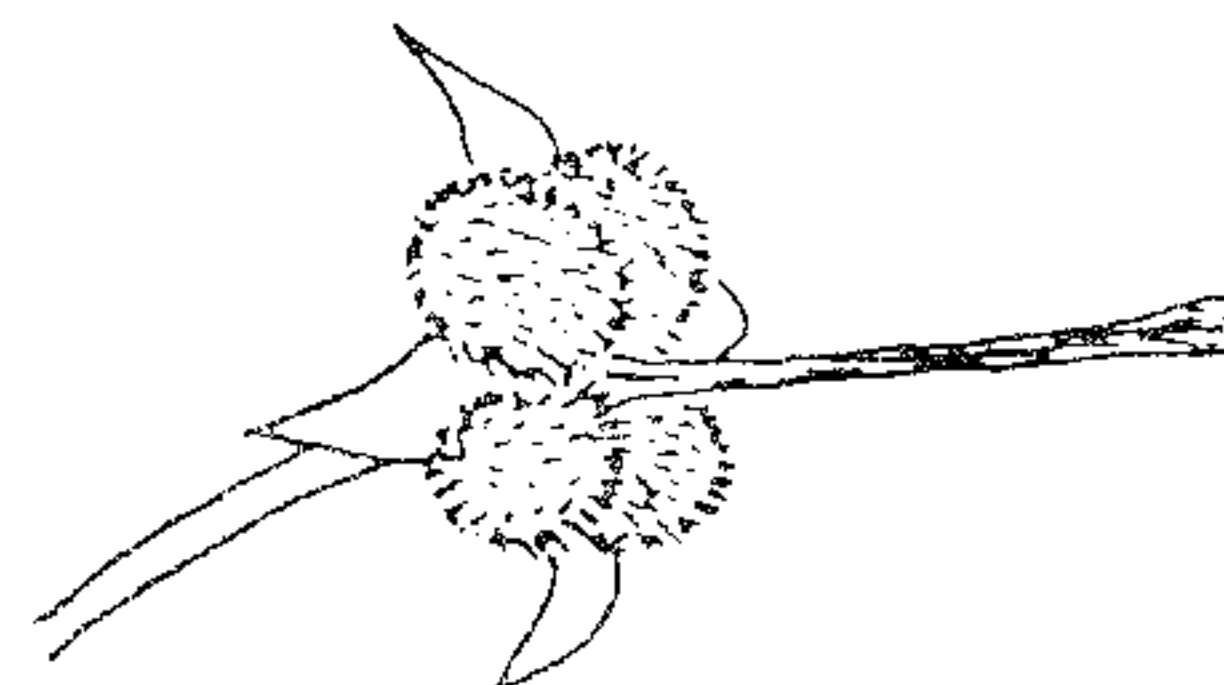
This is scheduled for Friday, Feb. 22nd, and Saturday, Feb. 23rd at Portland Community College's Rock Creek Campus. The keynote speaker will be William R. Jordan, editor of *Restoration and Management Notes* and a founding member of the Society for Ecological Restoration. A wetlands symposium follows with other discussions and debates concurrent. Friday will conclude with a nursery panel discussion on native plant production contracts. The Saturday session will see participants join small interdisciplinary design teams and analyze specific sites and develop plans and procedures for their restoration and maintenance.

For further information contact Mark V. Wilson (503-222-0134) or Tami B. Katz (503-236-0395).

17-MILLION YEAR OLD GENETIC CODE FOUND

Scientists have extracted fragile strands of DNA, the genetic code of life, from a 17-million year old magnolia leaf that was still green when it was found embedded in sediment in an ancient lake near Moscow, Idaho. The site consists of layers of clay that encase the remains of flowers, stems and leaves, insects and fish, that are exceptionally well-preserved because of the low oxygen content and cold temperatures of the water. Through the use of a new laboratory technique, polymerase chain reaction, scientists were able to compare the gene sequence of the leaf with that of a modern magnolia to see how it had changed over the years.

---From *Sego Lily*, Nov./Dec. 1990,
Newsletter of the Utah Native Plant Society



Cynoglossum occidentale
Houndstoungue
Drawn by Herm Fitz
From NPSO *Bulletin* Sept. '82

NW HOLISTIC RESOURCE MANAGEMENT
1991 ANNUAL MEETING

"Approaching the Public Land Management Controversy Holistically" is the theme of this conference. Several speakers, including ranchers who have been applying 'holistic' management practices, will give presentations. Dates for this are January 18th and 19th. Location is in LaGrande, Ore.

The 18th will be a one day short course on goal setting. The 19th will be spent developing an understanding of the controversy over public lands. Approaching this agenda non-confrontationally, the speakers will discuss some of the issues faced when dealing with public lands and introduce the role of holistic resource management.

For more information and registration contact Mary Forman at 503-489-3235 or Stacy Davies at 503-576-2454.

BLM RELEASES SAMS PLANNING DOCUMENTS

In December and January, six Western Oregon Bureau of Land Management districts will release Summary of the Analysis of the Management Situation documents. BLM's planners have incorporated the computerized Geographic Information System, which displays data as layered maps showing relationships between such things as timber stands by age class, rivers and streams and wildlife habitat areas. The data they have placed in the GIS and the subsequent SAMS document will provide the basis of subsequent steps in the planning process, including design of alternative actions and their environmental consequences. The SAMS documents will be available on request from each district office in January. BLM districts involved are Medford, Roseburg, Salem, Coos Bay, Eugene, and Lakeview District's Klamath Falls Resource Area.

These summaries will lead to the creation of Resource Management Plans which will guide BLM management in Western Oregon through the 1990's. The BLM wants public comment on the accuracy and completeness of the SAMS. Comment periods are one month. This is an important opportunity to have some influence on the development of BLM policy in the future. Such things as biodiversity have recently entered BLM's awareness, so there is certainly at this moment a chance to slip in a few more new ideas.

DESERT CONFERENCE XIII

This annual event has become a favorite of desert conservationists from Oregon and beyond. It will be held April 25-28th, 1991 at Malheur Field Station near Burns, Ore. It includes field trips, workshops and presentations.

This year's theme is "Spreading the Word". The program is designed to inform, inspire, and empower participants to bring the natural values and the plight of desert wildlands to a broader audience. Topics include land use issues like mining and grazing, desert photograph and writing, natural and human history of the area, and environmental protection strategies.

Desert Conference is a grass-roots, volunteer-powered production. Fees are kept low to enable all to attend. Room and board are available at low cost at the Field Station. All participants must register in advance; for a form or more information call (503) 245-3658 or write:

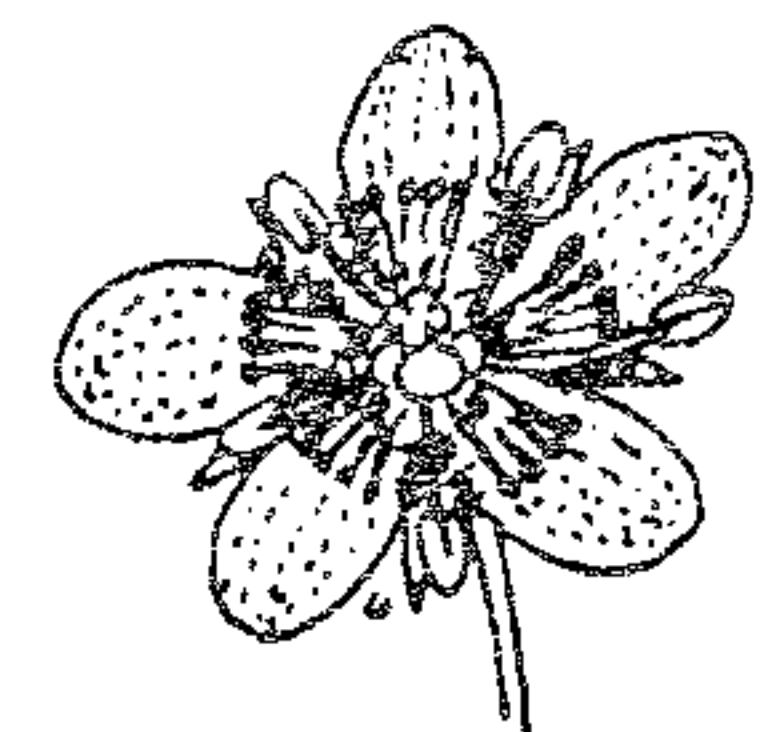
Desert Conference XIII
PO Box 15115
Portland OR 97215

POPCORN: REAL AND UNREAL

Mac's Place, a large mailorder Macintosh computer supply house, has begun packing all shipments in "Plain, unbuttered, unsalted, somewhat stale popcorn". The real popcorn has been substituted for the artificial styrofoam variety out of concerns over the environmental damage caused by styrofoam. Styrofoam releases ozone-degrading chemicals not just during manufacture but slowly for years afterwards while it steadfastly refuses to decay in the environment (much of that time seems to be spent blowing down streets). These are among the reasons why the City of Portland banned the stuff from fast food outlets and other places last year.

Real popcorn has the great advantage (over the unreal styrofoam kind) of quickly biodegrading, and is fun, not dangerous, to produce. Birds and squirrels will appreciate it, as will the compost pile. And, as Mac's Place states, "You can even string the popcorn on your tree".

Parnassia fimbriata
Fringed grass of Parnassus
Drawn by Herm Fitz
From NPSO *Bulletin* Aug. '82



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The NPSO *Bulletin* is published monthly, as a service to NPSO members and the public. Contributions of all types are welcome.
Deadline: Copy is due with the editor by the 10th of the month.
Text Format: Submissions can be in any form. Camera-ready copy should be in 3.334 in. wide columns up to 9.3 in long, with spacing between columns .22 in. The *Bulletin* uses 12 point "Times" font. Author's name and affiliation are added at the end of the article. Double space between paragraphs, and do *not* indent paragraphs. For special materials (e.g., plant keys) choose an appropriate format, keeping in mind that readers may wish to carry your article pasted inside their favorite field guide.
Computer Disks: The editor prefers articles submitted on MacIntosh

or IBM disks. Please contact the Editor for further details.
Illustrations: Line drawings and high contrast B&W prints are useable. Contact the editor about our current needs, or send along with your article.
Credits: If the item is not original, name and date the source. For original items, identify the author and indicate, for news items, if a by-line is desired. Indicate whether the item is to be used in its entirety or excerpted at the Editor's discretion.
Scientific Names: Nomenclature should follow *Flora of the Pacific Northwest* by Hitchcock et al., when appropriate. Use of both scientific and common names is encouraged. *Italicize* genus and species (underline if italic is not available).
Return of Originals: Submissions will not be returned unless requested.

Membership in the Native Plant Society of Oregon is open to all.
 Membership applications, renewals, and changes of address (include old address and zip code) should be sent to the MEMBERSHIP CHAIR.

NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name _____ Chapter (if known) _____
 Address _____ Is this a change of address?
 If so, please write your *Old Address* here:
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* DUES include monthly NPSO *Bulletin*. Full membership is for a calendar year, January through December. New memberships enrolled during September through December are charged a reduced "Quarter Membership" rate.

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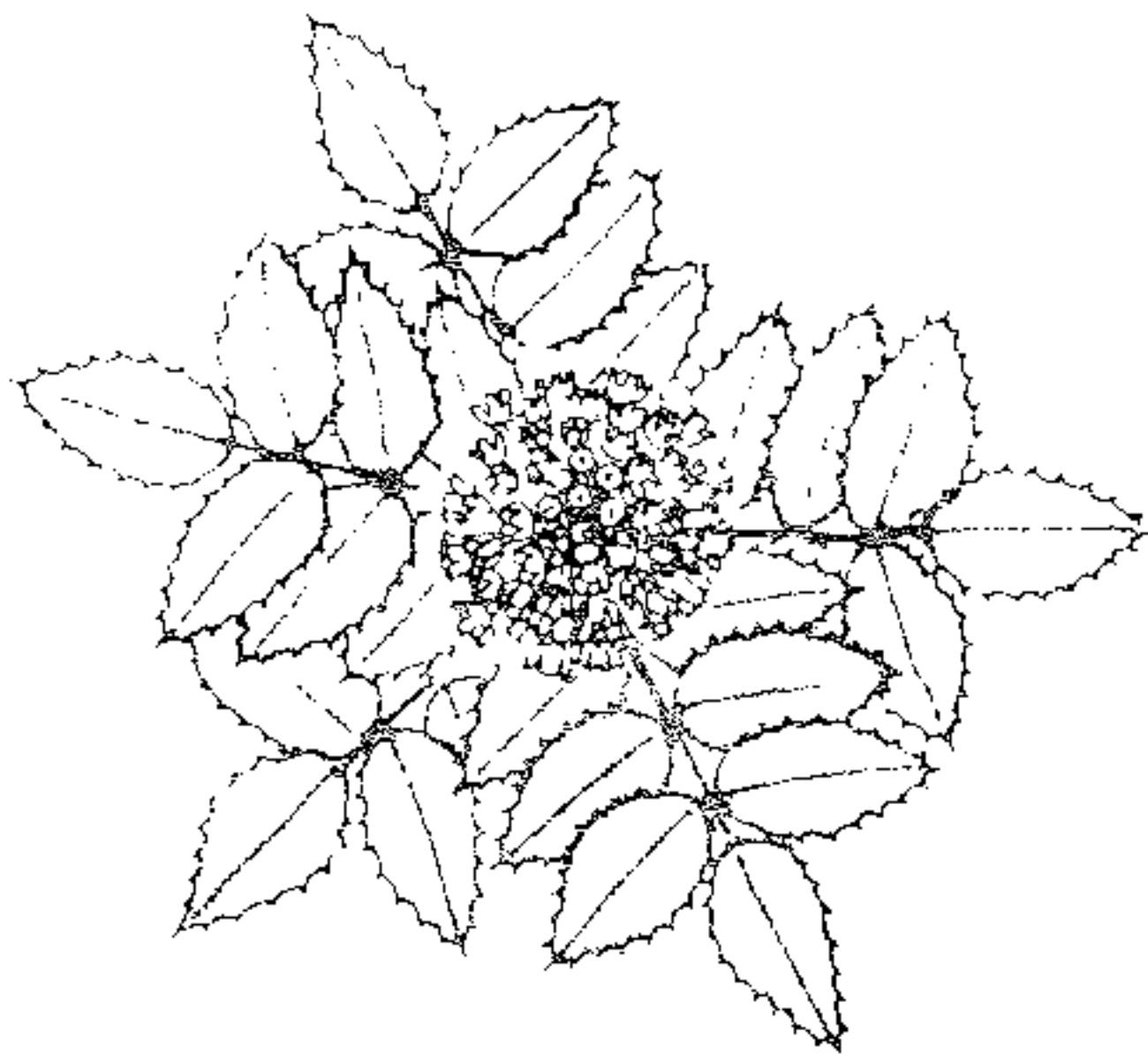
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 Mary Falconer, NPSO Membership Chair, 1920 Engel Court NW, Salem, Oregon 97304.

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