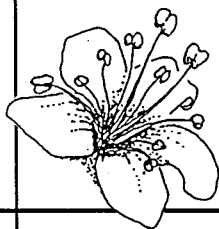


Kelseya uniflora



Kelseya

Vol 9, No 4

SUMMER 1996

Newsletter of the Montana Native Plant Society

Botanical Exploration in Montana, Part 4: W E BOOTH AS TEACHER

– Robert Dorn

Note: Part 3 of Botanical Exploration in Montana, detailing W E Booth's contributions to our understanding of the flora of Montana, appeared in Vol 9, Number 1 of KELSEYA, Autumn 1995. W E Booth botanized extensively in Montana and served on the faculty of Montana State College [later University] from 1941 to 1972; he was also Curator of the Herbarium there. He authored Flora of Montana, Part I: Conifers and Monocots in 1950, and with the help of J C Wright completed Part II: Dicots in 1959. He also published an agrostology textbook. W E Booth died in Arizona, where he had moved following his retirement from MSU, in 1987.

Ed Booth was one of those rare individuals who had a near perfect balance in his teaching. He stressed the important and practical things, maintained a relaxed and informal atmosphere, and was always available for extra help. He was willing to verify any collections anyone brought in, no matter how many there might be. This was a definite encouragement for others to continue the botanical exploration of Montana.

I had the privilege of taking two of his courses, *Advanced Plant Taxonomy* and *Agrostology*. Toward the end of the Advanced Plant Taxonomy course, Ed offered the students two options for their grade: skip the final exam and take a grade of B, or take final exam and try for an A. The result was not quite what he had in mind. All of the best students decided to take a B and skip the final, and the students with the lower averages decided to take a final – and some were able to get an A.

Ed had a practice of inviting some of the students over to his home for a pancake breakfast on Saturday mornings. And it didn't matter if they were majoring in something other than botany, which was my case. Ed did the cooking while his wife tended to the place settings. Their son Richard helped the students eat.

Ed was also on my graduate committee. He didn't take the formalities too seriously. During my orals, I remember him reading a newspaper for a while, then taking a short nap, and when his turn came for questions, asking two or three simple ones. Needless to say, he was popular with the students and a definite inspiration. As a recognition for all of his help, I later named a plant to commemorate him, the willow *Salix boothii*. His contributions are undoubtedly the most significant that any single botanist has made to our knowledge of Montana's flora.

The foundation and framework of documenting Montana's botanical resources was built by those who preceded us. It is now

up to us to do the finishing work and at the same time to maintain the entire structure.

Robert Dorn, author of *Flora of Wyoming* and *Flora of Montana* (among numerous other publications), has examined the early botanical exploration of Montana in three previous issues of KELSEYA. Our thanks to him for this survey of important contributors to our knowledge of the state's flora.



Photograph of W E Booth courtesy of the Herbarium at Montana State University-Bozeman

From the President

ON THE GREAT DIVIDE: 9th Annual MNPS Meeting

Beargrass, bears, and good weather were just some of the highlights of this year's annual meeting at Glacier Park, June 28-30. The meeting was held at the Three Forks Campground near Marias Pass, at the southern end of the Park. Because of the large turnout (117 people), we were graciously given the entire campground for our group's use. All the locals exclaimed that it was an especially fine year for beargrass (*Xerophyllum tenax*). The iridescent plumes of white brightened the forest understory.

Also sighted in the understory, very close to our camp, was a large female grizzly and her cub. Our western at-large rep, Dennis Nichols, and a friend had their fishing attempts interrupted by this furry female. When Dennis got back to camp he was almost as excited as when he discovered the rare *Clarkia* last summer! But we all took special precautions with our food and had no further encounters.

The campground's large covered shelter provided a wonderful place for meals, meetings and music. A very special thank-you goes out to the Flathead Chapter for their incredible organization and efforts toward a truly fine meeting. Look for a list of sponsors who contributed to the raffle, book sale, food and beverages. Our annual meetings just keep getting better and better.

We held our business meeting on Friday night, with reports on membership, treasury and newsletter. We really appreciate our hard working treasurer and newsletter editor, both of whom work year around to keep the membership current and to bring us four fine issues of KELSEYA.

Our membership renewal drive was successful, resulting in 50% of the late renewals rejoining, and more to come.

We introduced our new Secretary, Pat Plantenberg from Townsend. Our newly-elected Vice President, Tulli Kerstetter, and eastern at-large rep, Terry Wamsley, were unable to attend, but were thanked and acknowledged. We also want to thank Jennifer for her efforts as secretary the last two years.

Each of the chapter and regional representatives gave interesting accounts of their year's activities. As always, I'm impressed at the variety of presentations, activities and field trips that each chapter is involved in. I'm excited to hear of interest in the Butte/Dillon area for forming a new chapter there.

Committee Meetings

Committee chairs were all present to preside over meetings held on Sunday morning. The Landscape Committee made progress on the format of the Plant Source Guide update; we hope to have it available in the late fall. The Conservation Committee will give an update in the next newsletter; several topics were discussed.

Angie Evenden will head up the new Small Grants Committee (see report following). They will solicit applications and award one or more yearly grants, and review requests for money and volunteer time from MNPS by outside sources.

We are grateful to all of you who donate money and time toward our efforts concerning native plant conservation, appreciation and education. We can't be active without your involvement.

A Very Full Day

The main events of the meeting occurred on Saturday. We offered seven full-day and six half-day workshops or field trips to choose from. Our special thanks to the leaders for their expertise.

Trips ventured into the forests and plains on trails and roads. Some workshops stayed in camp, for more educational and artistic

endeavors. Everyone come back with lots of wonderful botanical experiences to share and remember - too many to recount in this column.

The day would not have been complete without the second annual Wayne Phillips Plant ID Contest, and the winners were...Maria Mantas in the professional division, and Patty Brown in the amateur. Both were awarded prizes for their efforts.

The evening activities included a delicious catered meal by Karen Feather, a fundraising raffle, folk songs by local musician Dave Streeter, and lots of time to socialize. The Flathead Chapter is again to be commended for putting together this fine day of plantseeing and fun.

Special Appreciation Award

Montana Native Plant Society could not survive without those who give much of their time to the native plants in our state. Hardly a newsletter comes out without an interesting article by Bonnie Heidel, not to mention the many special statewide and chapter projects she has initiated and carried out. Our 1996 Special Appreciation Award to Bonnie was presented on Saturday evening: a beautiful oil on paper painting of *Spiranthes diluvialis* (Ute ladies-tresses) by botanical artist Debbie McNeil of Troy.

The spring issue of KELSEYA featured an article by Bonnie detailing her discovery of this delightful orchid and the importance of this find. Bonnie's work at the Heritage Program and for MNPS is greatly appreciated, and we're especially fortunate to have her here in Montana. Thanks so much, Bonnie!

On the Way Home

As if this weren't enough, we had another delicious breakfast Sunday morning with lots of good coffee, committee meetings, and two more interesting field trips to take as we headed either east or west. The eastward trip looked at over a hundred blooming species near Marias Pass with Peter Lesica.

The westward trip, led by Steve Shelly, visited a water howellia (*Howellia aquatilis*) pond near Swan Lake. Unfortunately, this was a poor year to see the plant, but they had a good view of howellia's habitat. Participants also had a great time botanizing at Point Pleasant Fen, identifying - among other plants - three rare orchids and several rare sedges in a unique peatland habitat.

Looking Ahead...

We are always thinking ahead, and it looks like next year's meeting will take us out to the prairies and badlands of eastern Montana. The Maka Flora Chapter, based out of Plentywood, is hosting our next annual meeting. They've always had to drive the furthest to our meetings; now it's time for us to head their way! Watch for the winter newsletter for specifics of time and place.

It was great to see all of you.

- Linda Iverson

Annual Meeting Committee Reports

GRANTS: This new committee was formed at the Annual Meeting and will be overseeing the MNPS Small Grants Program. Small grants are being offered by the Society to contribute to the conservation of Montana's native flora and vegetation by encouraging research, education, and appreciation activities. See Page xx of this issue for announcement of the 1997 MNPS Small Grants.

EDUCATION: We discussed the native plant teaching box which Terry Divoky is developing for elementary school teachers and students. The materials are currently oriented to plants found in

- continued on Page Six

NEW DATA SEARCH CAPACITIES

What do you do when you are considering the sensitive-plant flora from an area from which there are NO sensitive plant records?

- A) Write it off as devoid of any plants of interest?
- B) Spend next summer crawling its far corners, or
- C) Look for new approaches to evaluate its sensitive botanical features?

Montana Natural Heritage Program offers a new approach to help biologists conducting environmental assessments or planning field studies. It aids in identifying prospective targets, for better use of fieldwork time and resources.

When making requests for records of the rare plant occurrences in a given area, one can also request searches for rare plants *potentially* occurring in the area. This is done by expanding the search scope at your discretion to include any combination of the following:

- General habitat (e.g., forest, shrubland, grassland, palustrine, lacustrine, riverine)
- Elevation range
- County(ies) in and adjoining study area
- Watershed
- Latitude/longitude
- Name of the public land unit (e.g., Custer National Forest - Sioux District)
- Phenology

The results can be printed out as a list or a table of species occurrence records, accompanied by - or sorted by - the habitat, elevation, and distribution information, with or without additional information (e.g., citation for the source of information).

For example, one could ask for:

- a list of all known rare plants in Lake County and adjoining counties that are aquatic species occurring at less than 5000 ft;
- a table of all known rare plant species in north-eastern Montana, sorted by species' phenology, and including columns with their counties of distribution and habitat category(ies).

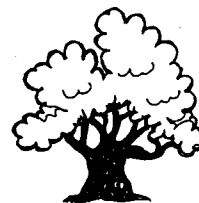
Searches and formats can be tailored to fit your specific project or need.

By this new capacity, MNHP hopes to help users avoid the biggest pitfall in interpreting lack of rare plant records - overlooking the possibilities of rare plant occurrences that exist. Even the most basic county-of-distribution information has not been well-documented for many rare species in Montana. We also hope to help users determine when rare plant searches are unwarranted if not already apparent, e.g., rare plants are NOT found in cropland, and species of the Beartooth Mountains are NOT to be found on the Yellowstone River. This capability does not take the place of published floras, guidebooks, and information published in *Sensitive, Threatened and Endangered*

Vascular Plants of Montana, (Lesica and Shelly, 1991, Montana Natural Heritage Program Occasional Publication No. 1), but provides an overview and a simple way to sort through it. Disclaimer: the results indicate information in databases at the time of request and are not intended to be definitive answers to species absence or presence.

Information requests can be placed by contacting Montana Natural Heritage Program, 1515 E 6th Ave, P O Box 201800, Helena MT 59620-1800, or via e-mail at: mtnhp@nrls.mt.gov.

- Bonnie Heidel



1996 MONTANA REGISTER OF BIG TREES

The American Forestry Association maintains a National Register of Big Trees, which records the champions and challengers of over 750 native tree species.

The National Register is of interest not only to those who search out new champions, but for scientists studying the types of environmental conditions associated with especially large trees.

The Montana Big Tree Register is jointly sponsored by the USDA Forest Service (Northern Region) and the Montana Tree Farm Program. Montana's Register was initiated to find, recognize and preserve the largest tree of each native or naturalized tree species growing in the state, and to stimulate interest in and appreciation of our trees.

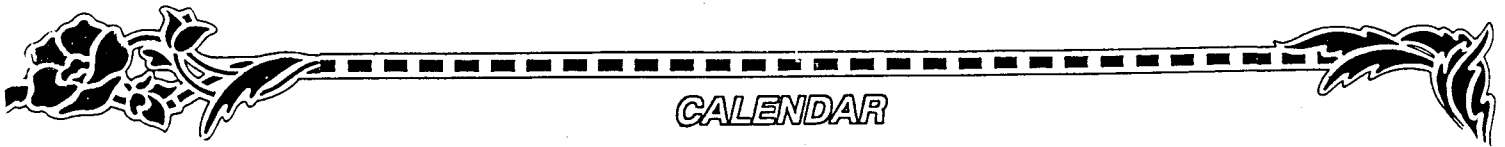
Angela Evenden, who oversees the Natural Areas Program for the Forest Service's Intermountain Research Station in Missoula, has recently distributed the 1996 Montana Register of Big Trees. In the release accompanying this year's list, Angie notes:

"During 1995 a new national co-champion from Montana was added to the National Register! The tree is a western larch found by Helen Smith And Micha Krebs on the Lolo National Forest, with a total score of 425. This tree represents the ONLY Montana tree on the National Register."

As you travel around the Montana landscape, Angie urges, "look for those extra-big trees to nominate. Information on the largest trees is incorporated into the Montana Natural Heritage Program's database of significant biological features."

The 1996 updated list of champion trees is included in this issue as a pullout. For a brochure on the Montana Register of Big Trees, giving details of how to correctly arrive at a score for a Big Tree candidate, and a nomination form, write: Big Tree Register c/o Natural Areas Program, Intermountain Research Station, P O Box 8089, Missoula MT 59807-8089.

Also in this issue is a report by Dennis Nichols on a newly-recognized champion paper birch, *Betula papyrifera*, which he has located in Sanders County, supplanting the paper birch shown on the published list. Good work, Dennis!



MEETINGS

THURSDAY, SEPTEMBER 12, CLARK FORK CHAPTER: 7:30 pm, Rm 307, Botany Bldg, University of Montana in Missoula. Program TBA.

WEDNESDAY, OCTOBER 2, VALLEY OF FLOWERS CHAPTER: 7 pm, Community Meeting Room of the Emerson Cultural Center, Babcock & Grand, Bozeman. Program TBA.

THURSDAY, OCTOBER 10, CLARK FORK CHAPTER: 7:30 pm, Rm 307, Botany Bldg, U of M-Missoula. Program TBA.

WEDNESDAY, OCTOBER 16, FLATHEAD CHAPTER: 5:30 pm, General meeting (everyone's welcome); 7 pm, program. Fish, Wildlife & Parks Bldg in Kalispell. Allen Rounder will discuss "Western Larch."

SATURDAY, NOVEMBER 2, MNPS BOARD OF DIRECTORS: 10 am, Meeting Room of the Lewis & Clark Library, Last Chance Gulch, Helena. Everyone is welcome to attend - not just officers and directors. Bring a sack lunch.

WEDNESDAY, NOVEMBER 6, VALLEY OF FLOWERS CHAPTER: 7 pm, Community Meeting Room of Emerson Cultural Center, Babcock & Grand, Bozeman. Program TBA.

FIELD TRIPS

WERNER PEAK-CHINA BASIN HIKE SATURDAY, AUGUST 24

Search for late-season subalpine wildflowers and plants along the Ralph B Thayer Memorial Trail along the Whitefish Divide. Easy three-mile round trip hike. Meet at Tally Lake Ranger Station in Whitefish on Highway 93, next to Grouse Mountain Lodge, at 8 am. Bring lunch & water. Call Maria Mantas for reservations at 862-3044.

PLEASE NOTE: The trip "YELLOWSTONE FIRES...8 YEARS LATER" previously announced for Saturday, 9/7, has been postponed until next year, due to a scheduling conflict.

END-OF-SEASON CANOE TRIP SATURDAY, SEPTEMBER 28

Our traditional season-ender canoe/kayak trip, hosted by the Flathead and Clark Fork Chapters, is set for the lower Swan River east of Bigfork, meandering through interesting riparian/aquatic areas. Meet at 11 am at the Ferndale Market parking area,

CALENDAR COORDINATOR

Tulli Kerstetter, MNPS vice president, is now serving as coordinator for all meeting and field trip notices, field trip reports, and chapter activity writeups. Please send them typed or on disk (see back page for specs) no later than October 1 for inclusion in the Autumn issue of the newsletter, to: KELSEYA, Attn: Tulli Kerstetter, P O Box 6444, Bozeman MT 59771-6444.

Highway 209 near Hwy 83. For additional info, in Missoula contact Peter Lesica (728-8740), in Lolo, Jean Parker (273-6412), or in the Flathead area, Anne Morley (886-2242).

FIELD TRIP REPORTS

BIG BELTS' HANGING VALLEY

The June 8 hike to Hanging Valley in the Big Belt Mountains of central Montana, led by Keith Leatherman of the US Forest Service, produced a spectacular display of full-blooming *Kelseya uniflora*, and right at eye level! It was the first time many of the participants had seen *Kelseya* in bloom, and the group felt well rewarded for the vigorous twelve-mile hike. Of course, the view at the end of the hike was worth the effort, too. The outing was jointly sponsored by Kelsey Chapter and the Helena National Forest in honor of National Wildflower Week. - Kathy Lloyd

[ED NOTE: Kathy sent along a color photo of the smiling group, gathered around a cliff face festooned with *Kelseya*. Unfortunately, it didn't convert into a black & white halftone well enough to print. But everyone looked like they were having a great time!]

LEWIS & CLARK'S USES OF MONTANA PLANTS

Several members of MNPS were on hand to guide groups of people on a botanical walk for the Great Falls Lewis & Clark Festival this year. Guides, including members Gwen McBride and Fay Valois, led people towards the Sulphur Spring on the Missouri River near Morony Dam.

Interesting stories were told about the uses Lewis & Clark had for the many plants, and also how the Native Americans used these plants. Many of the plants seen were mentioned in the journals that Lewis and Clark kept as they passed through the area in 1805-06.

Among the native plants observed were yucca (*Yucca glauca*). The roots were used for soap, the leaves for basket weaving. This plant has a symbiotic relationship with the yucca borer moth (*Tegeticula yuccasella*), which pollinates its flowers at night.

Also seen were "pomme blanche" (*Psoralea esculenta*), mentioned extensively in the Journals. The roots of this plant were baked and eaten.

Chokecherries (*Prunus virginiana*) were observed. This shrub's bark has astringent qualities. Lewis became very ill, so he had a tea made from the chokecherry twigs. After drinking doses of one pint in the evening and one pint in the morning, he was able to walk 18 miles that day.

Among numerous others, we viewed the golden currant (*Ribes aureum*), the first plant known to have been collected by Lewis in Montana, and wavy-leaf thistle (*Cirsium undulatum*).

The evening was perfect for a walk to view all the trees, grasses, shrubs and forbs, to hear about Lewis & Clark, and also to hear about how the plants were used for food, medicinal and ceremonial purposes by the Native Americans.

Approximately fifty people attended the botanical walk after the opening ceremony of the Festival, splitting into about six groups. Wayne Phillips, who normally leads this hike, was out of town for his son's wedding. He prepared the guides by taking them on two hikes before the festival, familiarizing them with the flora.

- Fay Valois, Sun River

A BEAUTY OF A BIRCH

- Dennis Nicholls

One of the great rituals in America is going to the Post Office for the mail. Sure, you can get it delivered to a mailbox at the end of your driveway, or dropped through a slot in your front door, but I love going into town to run my daily errands. It's often the only bit of socializing I engage in during the course of the week.

What's more exciting, however, is flipping through the junk mail in search of any unsuspected treasures. It's exciting when there's a nugget hidden among the store coupons and catalogs. I found such a pleasant surprise recently when I discovered an envelope from the Montana Big Tree Program. It contained an updated list of the largest individuals of 25 species known in the state. I get a thrill out of going down the list and seeing in my mind's eye some of those magnificent specimens that can be found across our great state.

I noticed that in 1992 Kirk Eakin and Charles Van Hook discovered a paper birch (*Betula papyrifera*) in Flathead County that assumed the honor as the biggest of its kind in Montana. That got me to thinking about a paper birch I knew of near Trout Creek, in Sanders County.

That afternoon I went to the site, and after taking the appropriate measurements of the big birch, I found that it did

indeed appear to be a new record. I asked Bob Lambrecht, a forester on the Cabinet Ranger District of the Kootenai National Forest, to verify the measurements.

Early one morning we once again approached the apparent champion. The circumference was confirmed at 95 inches (nearly 30 inches in diameter); the height soared to 82 feet; and the average crown spread was figured at 38 feet. The formula for scoring big trees is to add the circumference in inches, the height in feet, and one-fourth the average crown spread. Plugging in the numbers for the Trout Creek birch resulted in a score of 186. That exceeds the score of Eakin and Van Hook's tree of 163.

A nomination form identifying the Trout Creek birch as the potential new champion was filed with the Montana Big Tree Program, and Shannon Kimball, in reply, confirmed it as the new state champion. Shannon also informed me that the *national* champion paper birch (found in Washington state) scores a whopping 284 points.

If you know a large individual of any of the species noted on the pullout in this issue, perhaps you, too, can experience the ultimate delight of discovering a new state champion.



ANNOUNCEMENTS

1996 SMALL-GRANT AWARDS

Last winter's *KELSEYA* contained the first request for applications for funding from the new Small Grants program initiated by the MNPS Board of Directors at their Fall 1995 meeting. Up to \$500 was earmarked to be given to a proposal (or proposals) which best promoted the preservation of native plants or public education regarding natives.

The Grants Committee [which has now been established as a Standing Committee] divided the \$500 this year between two projects:

Professor Richard Pohl, associate professor of landscape architecture at MSU-Bozeman, was awarded \$300 to purchase native plant materials from Montana growers for a Low Water Use demonstration garden in the MSU Arboretum. The garden will feature species native to southwestern Montana to demonstrate their suitability as landscape ornamentals in a low-water-use garden setting.

The second award was \$200 to Dr Robert Gough at MSU, for basic research on propagating the Montana blue huckleberry (*Vaccinium globulare*). He hopes to find the best means of propagating this plant, thus reducing harvest pressure on native "wild" stands.

MNPS is pleased to encourage these projects, and members can look forward to reports from each recipient in a future *KELSEYA*.

- Anne Garde

23rd ANNUAL NATURAL AREAS CONFERENCE

OCTOBER 23-26, 1996

The Natural Areas Association's 1996 Annual Conference will be held in St Charles, Illinois, at the Pheasant Run Resort and Conference Center, focusing on "Natural Areas in an Urban Setting."

The Chicago area serves as one of the nation's greatest centers for research, conservation and restoration of biodiversity, with some of the oldest and largest prairie remnants east of the Mississippi River. Cutting edge efforts focus on restoration of savanna and prairie communities. Also found in the area are diverse wetlands, including bogs, fens, sedge meadows, and marshes, as well as Lake Michigan beach/dune/pannes. Field trips will offer visits to many of these areas of interest.

National leaders in management of natural areas will address the conference, and numerous technical specialists will share techniques for solving problems, and will be available to answer conferees' questions.

If you're a member of the Natural Areas Association, you should have already received registration information. Non-members are also welcome - contact the Natural Areas Association at P O Box 900, Chesterfield MO 63006-0900 for a registration form or other information. Their phone number is 314-878-7880, FAX 314-878-3410.



INTERESTED IN STARTING A RESEARCH PROJECT?

A recent issue of the USDA publication *Small-Scale Agriculture Today* notes the availability of a twelve-page pamphlet, *Conduct Your Own Garden Research*, which will help you do your own research - from setup and design to making observations, recording data, interpreting results, and drawing conclusions. While the publication is geared toward a garden setting, the same procedures can be applied to non-cultivated sites. Cost is \$1.50. Contact: University of Idaho Ag Communications, Publications, Moscow ID 83843; or phone 208-885-6436.

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OUR THANKS TO THESE GENEROUS DONORS AND SPONSORS



A heart-felt THANK YOU goes to each of our generous sponsors and donors who supported the 1996 MNPS Annual Meeting. Please support their businesses:

Amelia's Bakery, Whitefish – for the yummy bagels you ate for breakfast
George and Elna Darrow, Kootenai Gallery, Bigfork – birch vase for raffle
Jerry De Santo, Babb – discount on books
Robert Dorn, Cheyenne Wyoming – discount on books
Kathy Fenner, Kalispell – watercolor for raffle
Glacier Natural History Assn, West Glacier – discount on books
Glacier Raft Company, West Glacier – two full-day raft trips for the raffle
Great Northern Brewing Co, Whitefish – the great-tasting keg of Black Star beer
Patrick Jones, Bigfork – pottery for raffle
Montana Coffee Traders, Whitefish – all the coffee you drank at the meeting AND the equipment needed to make it
Chris Moritz, Bigfork – consultation on native landscaping for Glacier Raft Co
Dee Strickler, Columbia Falls – discount on books
Watchable Wildlife Program (MT Dept of Fish, Wildlife & Parks) – framed print of Monte Dolack's print "Loons of the Swan Valley" for the raffle
Ruth White, Bigfork – weaving for raffle

1996 Annual Meeting – Committee Reports, continued from Page 2:

the Bigfork/Kalispell area. The prototype box, containing two slide shows (one for teachers, one for students), plant books, a narrative, and other resource materials, should be ready to go by October.

We discussed the possibility of expanding this idea to develop teaching sets for various ecosystems/regions in the rest of Montana, which could be listed with the Montana Natural History Association's traveling trunks, and can be checked out by teachers.

A longer-term project was proposed of making a video, utilizing slides of native plants as well as video of plant communities and short interviews with botanists. Estimates of the cost of developing

the video (possibly \$7000) and an accompanying curriculum (around \$3000) and possible funding sources were discussed.

It was generally agreed that we should explore having a presence at the Montana Environmental Education Association's annual meeting in March at Billings – either the teaching box (ready for lending) or information about the project to assess the interest of teachers in having various resources available relating to native plants. We also talked about having more of a presence on the Internet, perhaps creating a Home Page or Web site – anyone who has any experience in these areas is welcome to contact me any time.

– Blue Tanttarl

ANNOUNCEMENTS, continued from Page 5:

JEWELS OF THE PLAINS OUT OF PRINT

The Spring 1996 issue of the Great Plains Native Plant Society's newsletter **PLAINS PLANTS** notes that the publishers of Claude Barr's excellent book, **Jewels of the Plains**, have decided not to make another printing of this long-standing favorite – even though it remains "the best reference on cultivating our Great Plains wildflowers."

However, GPNPS has acquired their remaining stock of this book and will carry it by mail order as long as supplies last. Cost of the book is \$19.95 postpaid. Send check or money order to: GPNPS, P O Box 461, Hot Springs SD 57747-0461.

PLAINS PLANTS further notes: "Barr's narrative style makes his book a pleasure to read, even if you are not looking for specific growing instructions. Your library can only be elevated by the inclusion of this work, and we are very saddened by the prospect of its becoming unavailable."

SHOW YOUR STUFF...

MNPS is a member organization of the National Wildflower Research Center, which is based in Austin, Texas. A recent issue of their newsletter **WILDFLOWER**, issues an invitation to Plant Society members across the country to show off your accomplishments in using native plants to create a "planned landscape" in your neighborhood or community.

If you have accomplished such a project, NWRC invites you to

send a color slide of the landscape or garden, its location, a list of the native plant species in contains, and (of course) your name/address and that of your Native Plant organization to: National Wildflower Research Center, Attn: "Wildflower" Editor, 4801 La Crosse Ave, Austin TX 78739.

The NWRC newsletter will publish a slide each issue (in color!) to show fellow members what's being done to restore our native plant heritage. If you would like your slide back, they ask that you enclose a stamped, self-addressed envelope with your submission.

DOUGLAS M HENDERSON

Just as this edition of **KELSEYA** was going to press, we received the sad news of the death of Doug Henderson, botanist at the University of Idaho in Moscow.

Among his many accomplishments, about which we hope to carry more in a future retrospective issue, Doug was responsible for describing and publishing (along with Bob Moseley and Anita Cholema) the pink mountain dandelion, *Agoseris lackschewitzii*, as a new species in 1990.

Our condolences to his family.

MONTANA NATIVE PLANT SOCIETY *** MEMBERSHIP APPLICATION/RENEWAL

Date _____ New _____ Renewal _____

Please Print:

NAME _____ ADDRESS _____

CITY/STATE/ZIP _____ PHONE _____

STATEWIDE MEMBERSHIP WITH CHAPTER AFFILIATION*

- ___ \$12 I. Individual
___ 16 II. Family
___ 28 III. Business/Organization
___ 4 IV. Yearly chapter dues for Lifetime Members

MEMBER-AT-LARGE (Statewide membership only)

- ___ \$ 8 I. Individual
___ 12 II. Family
___ 25 III. Business/Organization
___ 150 IV. Lifetime member (one-time payment)

NOTE: For Canadian subscribers, add \$2.00 to each category

Additional Donation \$ _____ (donations may be specified toward a particular project or the general operating fund)

*AREAS COVERED BY CHAPTERS:

ARTEMISIA CHAPTER - Yellowstone and Carbon Counties; southeastern/south-central Montana

CLARK FORK CHAPTER - Lake, Mineral, Missoula, Powell and Ravalli Counties

FLATHEAD CHAPTER - Flathead and Lake Counties plus Glacier National Park

KELSEY CHAPTER - Lewis & Clark and Jefferson Counties

MAKA FLORA CHAPTER - Richland, Roosevelt, McCone, Sheridan and Daniels Counties

VALLEY OF THE FLOWERS CHAPTER - Gallatin, Park, Madison and Sweet Grass Counties plus Yellowstone National Park

All MNPS chapters welcome members from areas other than those indicated - we've listed the counties just to give you some idea of what part of the state is served by each chapter. More chapters are in the planning stages for other areas; watch for announcements of meetings in your local newspaper. Ten paid members are required for a chapter to be eligible for acceptance in MNPS.

Membership in the MONTANA NATIVE PLANT SOCIETY is on a calendar-year basis, March 1 through the end of February of the following year. New-member applications processed before the end of October each year will expire the following February; those processed after November 1 will expire in February of the year after. Membership renewal notices are included in the Winter issue of KELSEYA. Anyone who has not renewed by the time the Summer KELSEYA is ready to mail will be dropped from the mailing list/MNPS membership roster.

Your mailing label tells you:

CLASS OF MEMBERSHIP (I, II, III, IV - see above)

CHAPTER AFFILIATION, if any (ART = Artemisia; CF = Clark Fork; F = Flathead; K = Kelsey; MF = Maka Flora; VoF = Valley of Flowers)

DATE YOUR MEMBERSHIP EXPIRES: If your label reads "2/96" your membership expires February 28, 1996...use the above coupon to renew your membership any time. Please drop us a note if any information on your label is incorrect.

MAKE CHECKS PAYABLE TO:

MONTANA NATIVE PLANT SOCIETY

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Missoula MT 59807-8783

NEW PUBLICATION:

MACROLICHENS OF THE NORTHERN ROCKY MOUNTAINS

Bruce McCune and Trevor Goward
Mad River Press, Eureka CA

Lichen-lovers, take heart! This new publication discusses 518 species of macrolichens - 405 of which are known to occur in the northern Rockies - along with those found in neighboring areas which are likely to be present in this portion of the Cordillera.

The publication contains three sets of keys to help identify a particular species. The first set consists of artificial keys emphasizing the best characters for practical identification. A second set of keys helps the reader acquire a sense of relationships among lichen genera. And finally there is a key to the lichen-forming photobionts.

To order directly from the publisher, send a check or money order for \$24.95 + 3.86 shipping (total of \$28.81), to:

Mad River Press
141 Carter Lane
Eureka CA 95503-9549;
or call 707-443-2947.

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MONTANA NATIVE PLANT SOCIETY

The Montana Native Plant Society is a 501-C-3 (not-for-profit) corporation chartered for the purpose of learning more about plants native to our state and their habitats, and of sharing that knowledge. Contributions to MNPS are tax deductible, and may be designated for a specific project or chapter, or may be made to the general fund.

Your yearly membership fee includes a subscription to **KELSEYA**, the newsletter of MNPS, published quarterly. We welcome your articles, clippings, field trip reports, meeting notices, book reviews - almost anything, in fact, that relates to our native plants or the Society. **Please include a line or two of "bio" information with each article.** Drawings should be in black ink or good-quality photocopy. If you send clippings, please note the source, volume/issue and date.

All meeting and field trip notices, field trip reports or announcements should be mailed to **KELSEYA**, Attn: Calendar, P O Box 6444, Bozeman MT 59771; articles should be sent to Terry Wamsley, P O Box 1304, Harlem MT 59526. All items should be typed or on disk - prefer 3.5" - in WordPerfect 4.2 or better, or in a generic ASCII file.

CHANGES OF ADDRESS and inquiries about membership in MNPS should be sent to MNPS, Attn: Membership, P O Box 8783, Missoula MT 59807-8783. General correspondence should also be sent to the Missoula address.

Advertising space is available in each issue at \$5/column inch. Ads must be camera-ready, and must meet the guidelines set by the Board of Directors for suitable subject matter: that is, be related in some way to plants or the interests of MNPS members.

Deadline for the AUTUMN issue is OCTOBER 1; please include meeting/field trip notices through mid-January 1997. The Autumn issue of **KELSEYA** will be mailed the last week of October.

IF YOU MOVE, PLEASE SEND US YOUR
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MNPS SEEKS PROPOSALS FOR 1997 SMALL GRANTS

The Montana Native Plant Society announces the second annual small grants program for research, study and appreciation of Montana's native plants. A total of \$500 will be awarded in 1997 to fund projects supporting conservation of native plants in Montana. The grant competition is open to residents of Montana and MNPS members. In order to fund multiple projects, preference will be given to proposals requesting less than \$500; however, all proposals up to \$500 will be considered.

Proposals need to be submitted in writing to the Chair of the Grants Committee by January 15, 1997. Submissions should not exceed three pages in length, double-spaced, and should include: project title, project description (objectives, methods, final product), explanation of how project will benefit native plant conservation in Montana, time

schedule, total project budget and amount being requested of MNPS, and a brief statement of applicant's qualifications.

Send five copies of the proposal to:

MNPS - Chair, Grants Committee
P O Box 8783
Missoula MT 59807-8783

Proposals will be reviewed by the Grants Committee and recommendations for grant awards will be present to the MNPS Board of Directors for final approval. Applicants will be notified of grant awards by March 30, 1997. Successful applicants will be expected to summarize the results of their project for publication in a future issue of **KELSEYA**.

Please contact Angela Evenden, Chair, MNPS Grants Committee, for further information at (406) 542-4173, or the address given above.