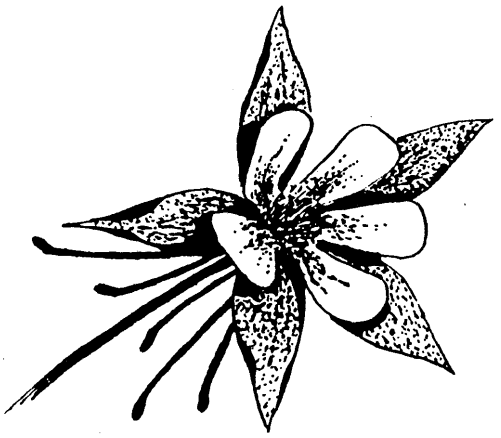
Aquilegia



Newsletter of the Colorado Native Plant Society

". . . dedicated to the appreciation and conservation of the Colorado native flora"

Volume 21 Number 1 January—March 1997

Graduate Fellowship Fund Honors Noted Botanist

Lisa Helme
Reprinted with permission from *Outlook Magazine* (Spring 1996)
College of Natural Sciences
Colorado State University

Harold Harrington loved the native plants of Colorado. Now his love of plants may be passed on to future students of plant taxonomy through a special graduate fellowship fund established at Colorado State University.

Harrington was a noted botanist and long-time Colorado State professor. The Harold David Harrington Graduate Fellowship Fund will provide fellowships for graduate students working in the field Harrington liked best, plant taxonomy. Upon her recent death, Harrington's wife, Edith, donated $20,000 to establish the fund in honor of her late husband, who died in 1981.

During his 25 years at Colorado State, Harrington began a lifetime of work to collect and photograph the native plants of Colorado. His work has made an indelible impression on the study of Rocky Mountain flora. He traveled for decades across the state collecting and photographing plants. In 1954, he published what is informally referred to as the "bible" of Colorado plants. *The Manual of the Plants of Colorado* is still considered by botanists today as the most comprehensive book ever published documenting Colorado's native plants.

"He was a very careful worker and his research was excellent," said Jun Wen, curator of the Colorado State University Herbarium. "His work lives on in the herbarium."

As a professor, Harrington made significant contributions to the Colorado State Herbarium and served as its curator. The Colorado State Herbarium was founded in 1883 and specializes in preservation of Rocky Mountain flora. Harrington based his 1954 publication on this collection that he helped to build.

Harrington was a prolific writer and published 13 books on botany before his retirement from Colorado State in 1968. He continued to write after retirement and published another four books before his death.

The Native Plant Society of Colorado in 1977 awarded him a Lifetime Honorary Membership in recognition of his work. Two Colorado plant species are named in his honor. The species that carry his name are *Penstemon harringtonii*, a Colorado wild flower, and *Oenothera harringtonii*, an evening primrose.

Harrington developed a love of plant life from the short time his family lived on a farm. He was born in 1903 in DeMotte, Indiana. There were eight children in his family. His father was a carpenter, except for a few years spent farming. Harrington's mother worked as a teacher before she married.

Harrington and his older brother Elbert supported one another as they both pursued an education at the University of Northern Iowa. The two alternated their time at

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1997 DUES REMINDER

Please check your mailing label . . . if it does not say PDTHRU 1997 (or later), this will be your last newsletter. Remember, CoNPS dues cover a calendar year. If you are not paid through 1997, please send your renewal now to:

Colorado Native Plant Society
P.O. Box 200
Fort Collins CO 80522



Take a Look!

The *Native Plant Conservation Initiative* web site is now up and running.

Please visit us at:
http://www.aqd.nps.gov/natnet/npci

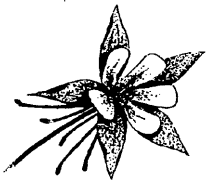
The site is still under construction and revision, so look for more changes and additions in the future.

Aquilegia is printed on recycled paper



Trifolium nanum
Artist: Janet Wingate

Colorado Native Plant Society



The Colorado Native Plant Society is a non-profit organization dedicated to the appreciation and conservation of the Colorado native flora. Membership is open to all with an interest in our native plants, and is composed of plant enthusiasts both professional and non-professional.

Please join us in helping to encourage interest in enjoying and protecting Colorado's native plants. The Society sponsors field trips, workshops and other activities through local chapters and statewide. Contact the Society, a chapter representative, or committee chair for more information.

Schedule of Membership Fees

Life	$250
Supporting	$ 50
Organization	$ 30
Family or Dual	$ 15
Individual	$ 12
Student or Senior	$ 8

Membership Renewal/Information

Please direct all membership applications, renewals and address changes to the Membership Chairperson, Colorado Native Plant Society, P.O. Box 200, Fort Collins, CO 80522. Please direct all other inquiries regarding the Society to the Secretary at the same address.

Aquilegia

Aquilegia is published four to six times per year by the Colorado Native Plant Society. This newsletter is available to members of the Society and to others with an interest in native plants. Contact the Society for subscription information.

Articles from *Aquilegia* may be used by other native plant societies or non-profit groups if fully cited to author and attributed to *Aquilegia*.

Newsletter Contributions

Please direct all contributions to the newsletter to:

Tamara Naumann
24 Park Lane
Dinosaur, CO 81610
E-mail:
Tamara_Naumann@nps.gov

Short items such as unusual information about a plant, a little known botanical term, etc., are especially welcome. Camera-ready line art or other illustrations are also solicited.

Please include author's name and address, although items will be printed anonymously if requested. Articles submitted on disks (IBM-compatible, please) are appreciated. Please indicate word processing software and version.



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and	Sue Martin	226-3371
Publicity	VACANT	
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ANNOUNCEMENTS

WANTED
ADOPT-A-RARE-PLANT VOLUNTEERS

The Colorado Natural Heritage Program will hold three workshops this spring for volunteers who are interested in "adopting" a rare plant. Workshops will be held from 9:00 AM to early afternoon as follows:

April 26 Grand Junction BLM offices, 2815 H Road
May 3 Avon Library, in Avon (west of Vail)
May 17 Colorado Natural Heritage Program Office at Colorado State University in Fort Collins

The workshops will feature an introduction to field-oriented botanical research. Topics will include:

- Reading topographic maps
- Interpreting geologic maps, aerial photos, and soil surveys
- Locating historical rare plant populations
- Searching for new rare plant locations
- Gathering data in the field

The afternoon session will include a short field trip to enable participants to practice skills presented in the morning.

Following the workshop, participants can choose a plant to adopt. Volunteers will then do research on their species through the summer—relocating known populations or searching potential habitat for new locations.

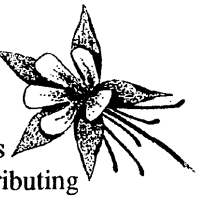
For more information, and to sign up for the Avon or Fort Collins workshops, call Susan Spackman at Colorado Natural Heritage Program in Fort Collins, (970) 491-2992. For the Grand Junction workshop, call Peggy Lyon at (970) 241-8321.

John Marr Fund Contributions Increase

Contributions to the John Marr Fund have greatly increased over the past two years. The CoNPS Board of Directors expresses grateful appreciation to all donors. The John Marr Fund was established in 1990 to honor the late Dr. Marr, who served as the Society's first President and as a professor at the University of Colorado. The fund enables CoNPS to support a wide variety of research projects through small grants. Over the years the fund has tangibly improved our knowledge of the native flora.

Beginning next year we would like to print the names of John Marr Fund donors in *Aquilegia*. Contributors will be given an opportunity to check a box on next year's annual renewal notice indicating whether or not they wish to have their name appear in the newsletter. Actual dollar amounts will not be printed.

CONPS IS LOOKING FOR A VOLUNTEER TREASURER



If you have bookkeeping or accounting skills and would like to help out, think about contributing some of your time to CoNPS. It's especially convenient for a Fort Collins member.

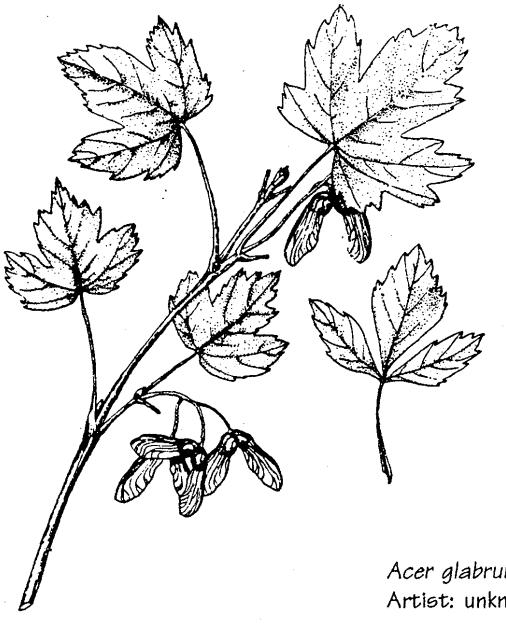
The work of the Society can't happen without the active involvement of members like you. Carol Riley has done a terrific job for the past couple of years. She's expecting a new family member this spring and scrambling to finish her Master's degree (see her article on her work in the San Luis Valley in *Aquilegia* Vol. 20, no. 2). Though her new duties will take her in new directions, we want to express our sincere appreciation for her efficient and helpful contributions to the work of the Society.

Duties of the Treasurer:

- Maintain checkbook
- Make deposits to the Society's accounts
- Retrieve and distribute the mail that comes to the Sociey's Fort Collins post office box
- Prepare annual financial statements
- Provide financial advice to the Board of Directors

If you think you might be interested in lending a hand, call Carol Riley (970-493-1367) for information on the office or to volunteer.

Colorado's native flora needs you!



Acer glabrum
Artist: unknown

ANNOUNCEMENTS

EXOTIC PLANT IMPACTS IN THE GRAND VALLEY A WORKSHOP—SEPTEMBER 1997 GRAND JUNCTION

A workshop is being planned, the purpose of which is to improve public awareness of the effects of Russian olive, salt cedar (tamarisk), and other exotic plants on the environmental and aesthetic values associated with riparian corridors in the Grand Valley. Is it possible that within the next decade the cottonwood galleries and other native plant communities of the Colorado and Gunnison Rivers will be completely replaced by Russian olive? Why should we care? What can be done about it?

The focus of the workshop will be the Grand Valley, but the discussions will have relevance to other riparian areas throughout the West. Topics on the agenda include:

- Status of Russian olive, salt cedar (tamarisk), and other invasive ornamental plants
- Impacts on native plant and animal communities
- Ornamental value of these species and less invasive alternatives
- Control techniques currently available
- Opportunities for partnership and cooperation
- Potential sites for cooperative restoration projects

Federal, state, and county agencies, and private pest control firms will be in attendance to discuss these issues.

The workshop is intended for anyone (public employees or private citizens) concerned about the future of riparian corridors in the Grand Valley and throughout the West. Watch for details in upcoming issues of *Aquilegia*.

Colorado Native Plant Society 1997 Annual Meeting

When: One of the Saturdays in October
Where: To Be Determined
Probably in Denver or Fort Collins
Format/Theme:
An informal sharing of our members' knowledge and experience.

CoNPS members hold a wealth of experience with our native flora. Here is your chance to share with your fellow Society members your own stories and observations on the natural history, ecology, and wonder of native plants.

Tentative Categories:

- Natural history/life history of native plants
- Great slides of native plants (identified or not)
- Horticulture/restoration of native plants
- Husbandry practice (for example, weed management) related to native plant species or communities
- Use your imagination and propose one of your own

Contributors to the annual meeting should be prepared to make 15-minute presentations with visual aids on any native plant subject of interest to you. Poster presentations are also invited.

Please call David Buckner (303) 447-2999, fax (303) 499-4276, with the title of your proposed talk and an indication of which Saturdays in October you are available.

NATIVE PLANT REVEGETATION WORKSHOP—AUGUST 26 and 27—MOUNT CRESTED BUTTE

There is more to the revegetation and use of "native" plants than first meets the eye. Join us for a Native Plant Revegetation Workshop August 26 and 27, 1997, in Mount Crested Butte, Colorado. The focus of the workshop will be revegetation decision-making and the latest hands-on applications from an ecological point of view. We will define "natives" and provide information on ways to acquire and use local native plants.

Participants will attend a variety of presentations during the first day and a half of the workshop. On the afternoon of the 27th, the group will tour the slopes of Crested Butte Mountain to look at how erosion control and revegetation are practiced at the ski area.

The Taylor River-Cebolla Ranger District of the Gunnison National Forest, Crested Butte Mountain Resort, Colorado State University (CSU) Cooperative Extension, CSU Mountain Meadows Research Center, Office of Surface Mining, Bureau of Land Management, USFS Intermountain Research Station, USFS Shrub Sciences Laboratory, USFS Bessey Nursery, USFS J. Herbert Stone Nursery, Western Native Seed, and the Colorado Native Plant Society are all cosponsoring this workshop.

The cost of the two-day workshop is $55—this includes a box lunch and complimentary ski lift ride. For a registration packet or information on cosponsorship, please call Deborah Hindi o Melody Roper at the CSU Cooperative Extension (970) 641-1260. For information on the workshop agenda, call Gay Austin at the Taylor River-Cebolla Ranger District Office (970) 641-0471. Exhibitors who would like to set up a native seed or erosion control display should contact Gay Austin (970) 641-0471.

FIELD TRIPS — 1997

ENDEMICS AND MORE IN THE FOUR CORNERS

Leaders: Charlie King and Dick Moseley
Meeting Locations: See below
Saturday and Sunday, May 31 and June 1, 1997, 8:30 AM

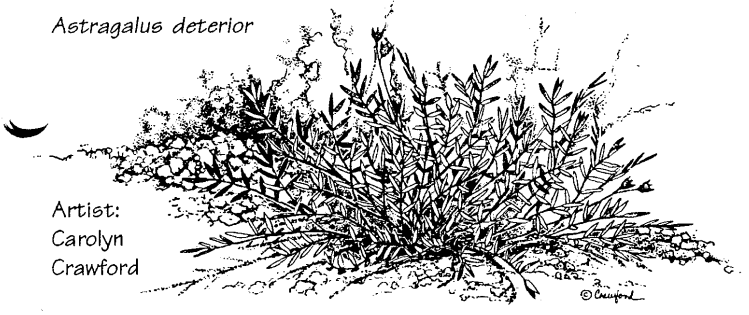
The Southwest Chapter invites members of the Colorado Native Plant Society to the Four Corners. This is a rerun of the 1995 field trip, when the weather was most unkind. We will focus on some of the local endemics and on several plant communities typical of southwestern Colorado. Hiking will be moderately rigorous both days, so bring food, water, and sturdy footwear for the trails.

On Saturday, May 31, we will meet at 8:30 AM in the parking lot about 100 yards north of the main entrance gate to Mesa Verde National Park, just south of US 160. By special arrangements (an entrance fee may be required) we will drive and hike with a Ranger Naturalist to populations of *Astragalus deterior* (Cliff Palace milkvetch) and *A. schmolliae* (Schmoll milkvetch), *Aletes macdougalii breviradiatus* (Mesa Verde aletes), *Hackelia gracilenta* (Mesa Verde stickseed), and *Iliamna rivularis* (wild hollyhock). We plan to spend the entire day in the park.

On Sunday, June 1, we will meet at 8:30 AM in western Archuleta County at the parking lot of the Chimney Rock Archaeological Area, three miles southwest of US 160 on Colorado 151. We will drive and hike in the Archaeological Area (an entrance fee may be required) viewing *Astragalus proximus* (Aztec milkvetch) and considering possible implications of Anasazi inhabitation on some plant distributions. Then driving eastward to the Pagosa Springs area, we will see *Lesquerella pruinosa* (Pagosa bladderpod), *Ipomopsis polyantha* (Pagosa gilia) and *Phlox caryophylla* (Pagosa phlox). Stops will include several roadside areas, a ponderosa pine forest, and after lunch, a moderately rigorous hike along the gorge of the Upper Piedra River. Participants wishing to leave early will have several opportunities.

To register, contact Charlie King, 483 Cliffside Place, Pagosa Springs, CO 81147, (970) 731-4794, or call Dick Moseley (970) 731-5918. Registrants will be sent a packet containing field trip details, checklists of the flora observed on related field trips of the Southwest Chapter, lodging information, camping opportunities, and other touristy stuff. With lots of snow this winter, we are anticipating a great spring flora display. Come see for yourself!

Astragalus deterior



Artist: Carolyn Crawford



Physaria vitulifera
Artist: unknown

GREEN MOUNTAIN

Leaders: Jan Wingate and Velma Richards
Meeting Location: Green Mountain Trailhead
Saturday, May 31, 1997, 9:00 AM to noon

Learn to use your favorite key while enjoying the spring flora of Green Mountain in Jefferson County. This trip is only for beginning botanists and new members who want to learn more about the local flora. The trip leaders will help you identify many of the wildflowers on Green Mountain. They will also show you simple and effective methods for identifying wildflowers and other plants of the Front Range.

Green Mountain should be resplendent with wildflowers at this time of year. Among over 100 species present are Indian paintbrush (*Castilleja integra*), blue flax (*Linum lewisii*), foothills penstemon (*Penstemon virens*), side-bells penstemon (*P. secundiflorus*), silvery lupine (*Lupinus argenteus*), double bladderpod (*Physaria vitulifera*), easter daisies (*Townsendia* spp.) and needle-and-thread grass (*Stipa comata*).

Meet at the Green Mountain Trailhead/carpark on Rooney Road on the west side of Green Mountain at 9:00 AM. We will hike to the top (an elevation gain of about 800 feet) and walk a total distance of about three miles. Bring lunch.

To register, contact Jan Wingate (303) 389-2137. The trip is limited to 20 people.

FIELD TRIPS — 1997

STAPLETON INTERNATIONAL AIRPORT
Leader: Denise Larson
Saturday, June 7, 1997, 9:00 AM to 3:00 PM

The old Stapleton International Airport is a mosaic of runways, crested wheatgrass fields, and pockets of remnant sandhills and shortgrass prairie. On this field trip, we will search for and inventory areas containing native species. This information will be used to help develop a master vegetation map for Stapleton and will be used for planning purposes. Stapleton will provide lunch and we will have a picnic at Bluff Lake. The wetlands surrounding this old agricultural lake and the shortgrass prairie on the bluffs above it are probably the best preserved natural habitats in the area.

To register, contact Denise Larson (303) 830-1188 (w), (303) 733-4338 (h). When registering, please indicate preference for lunch (e.g., vegetarian).

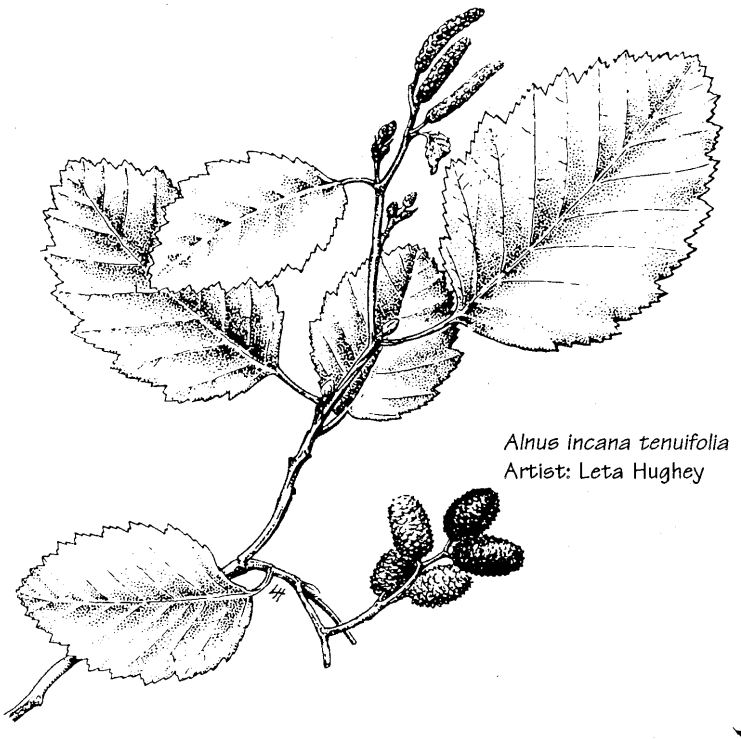
BUFFALO CREEK FIRE
Leaders: Steve Vest and Denny Bohon
Meeting Location: Buffalo Creek Work Center
Saturday, June 14, 1997, 9:00 AM

The Buffalo Creek Fire burned 11,850 acres in the Buffalo Creek and Spring Creek drainages of the Pike National Forest on May 18, 1996. Approximately 7,000 acres of mixed conifer forest were destroyed. Closed canopy conditions, perhaps due in large part to fire exclusion, precluded a healthy understory on most of the 7,000 acres prior to the fire. This lack of an understory of grasses and forbs has dramatically slowed recovery. On July 12, an intense thunderstorm produced three inches of rain on parts of the area is a little as one hour. Any intact soils were washed away, along with staggering quantities of sediment.

This is an opportunity to view the effects and vegetation recovery first hand and to see several mitigation treatments in action. Participants are encouraged to make suggestions on the use of native plant materials and methods in the recovery effort.

We can meet at the Buffalo Creek Work Center, approximately ten miles south of Pine Junction on County Road 126 at 9:00 AM. Pine Junction is located on US 285 about 40 miles southwest of Denver. Bring lunch and plenty of water. Be prepared for moderate hiking into the burn interior. The Forest Service requires hardhats in the burned area—we will supply these, but if you have your own, please feel free to bring it.

To register, contact Rick Brune (303) 238-5078. For questions, contact Steve Vest (303) 275-5631 or Denny Bohon (303) 275-5625. Trip limit is 20 people.



Alnus incana tenuifolia
Artist: Leta Hughey

CHIMNEY AND LEWIS CANYON—LOGAN COUNTY
(NORTH OF STERLING, COLORADO)
Leaders: Don Hazlett, Botanist and
D. Bruce Bosley, Trip Coordinator
Meeting Location: Overland Trail Museum, Sterling
Saturday and Sunday, June 21 and 22, 1997, 9:00 AM

This trip is scheduled for prairie wildflowers at their peak. Northeastern Colorado is infrequently visited and has a flora of nearly 1000 plant species. This trip will center around the Peetz table area including the soft tertiary sandstone bluffs, canyons, and badlands of northern Logan County. The canyons carve hundreds of feet nearly vertically from the tabletop. The sidewalls are often only separated from each other by a yard or two. Xeric plants are sparsely scattered across these canyon walls.

We will meet at Sterling's Overland Trail Museum at 9:00 AM on Saturday, June 21. This is located on US 6 and 14 about ¼ mile west of I-76. The Museum is adjacent to a Best Western Motel and very near several other motels and a camping park. Make sure to bring plenty of water, lunches for both days, and appropriate clothing, a hat, and sunscreen for sun and heat protection.

To register, contact D. Bruce Bosley, 310 Custer, Brush, CO 80723, (970) 867-2493 (w), (970) 842-2120 (h), or morgan@coop.ext.colostate.edu. The trip is limited to the first 35 people.

FIELD TRIPS — 1997

RARE PLANT INVENTORY PROJECT DINOSAUR NATIONAL MONUMENT

Leader: Tamara Naumann
Meeting Location: See below
Saturday and Sunday, June 21 and June 22, 8:00 AM

This is a working field trip. We will attempt to find and map populations of *Erigeron wilkenii* (Dieter's fleabane) and *Limnorchis=Habenaria zothecina* (alcove bog orchid). New information on these species will be used by the National Park Service to better protect these rare plants. The spectacular scenery of the Yampa and Green River canyon country will add to the experience. We'll also have an opportunity to see some Fremont rock art. Ability to read and interpret a topographic map is necessary for at least some members of the group.

Meet in the parking lot at Dinosaur National Monument Headquarters (two miles east of the town of Dinosaur, Colorado, on US 40) at 8:00 AM on Saturday, June 21. We will try to consolidate vehicles (choosing high-clearance four-wheel-drive types as much as possible) for the trip to the search sites on the Yampa Bench. For those who are interested, Tamara and Peter will host a pot-luck dinner on Friday evening at their home near the park headquarters (ask for directions when you call to register). Camping is on your own on Saturday night. If there is enough interest, we'll reserve the group site at Echo Park, but primitive camping on BLM land might be more pleasant (i.e., fewer mosquitoes). The trip will conclude midday on Sunday.

Primitive camping is available on BLM land approximately six miles from the park headquarters. The campground at Echo Park in the Monument is about 35 miles from the headquarters on rough roads; the cost is $5 per night (the mosquitoes charge an additional fee). Ask about other camping/motel options when you register.

Bring food, water, sun screen, rain gear and sturdy shoes. Days will be warm to hot, evenings will be cool. Bring a compass, if you have one. Mapping materials, a checklist of the flora of Dinosaur National Monument and copies of *Uinta Basin Flora* will be available from the trip leader. Hiking conditions range from to moderate to difficult. The road to Echo Park/Yampa Bench usually requires four-wheel drive and may not be passable if conditions are wet. Dogs are not allowed in the back country in Dinosaur National Monument.

To register, call or E-mail Tamara Naumann (970) 374-2504 (h), (970) 374-2501 (w), or Tamara_Naumann@NPS.gov. Trip limit is 20 persons.

Micranthes rhomboidea, Castilleja occidentalis, Pedicularis parryi and Anticlea elegans

Artist: Janet Wingate



SHRINE PASS

Leaders: Nicola Ripley, Ecologist, Montane Environmental Solutions and Jeff Wagner, Amateur Botanist, CU Herbarium
Meeting Location: Shrine Mountain Inn
Saturday, July 13, 1997

Starting from 11,200 feet at the Shrine Mountain Inn, we will hike across extensive alpine bog ecosystems, up gently sloping trails through beautiful alpine meadows, and to the Shrine Mountain summit at 11,888 feet. Strong hikers can continue along the ridge at elevations around 12,000 feet. Shrine Ridge may have no botanical rarities, but it supports a diverse alpine flora and provides outstanding views of Summit County. We'll see rich meadows of *Castilleja* sp. and *Anticlea elegans* (wand lily); wetter areas with *Pedicularis* sp., *Spiranthes romanzoffiana* (hooded ladies'-tresses) and *Primula parryi* (Parry primrose); and tundra habitats with *Eritrichum nanum* (low blue-eyes) and *Micranthes rhomboidea* (snowball saxifrage).

This area is heavily used and illustrates what is happening to the Gore Range since the advent of recreational winter and summer sports. It is a miraculous island in the high Rockies!

To register, call Nicola Ripley (970) 926-2019 or Jeff Dawson (303) 722-6758. Further information will be provided to trip registrants.

FIELD TRIPS — 1997

WEST MAROON PASS
Leader: Lisa Tasker
Meeting Location: Maroon Bells parking lot
Saturday and Sunday, August 2 and 3, 1997, 7:00 AM

Hike West Maroon Pass and see one of the most spectacular wildflower scenes in Colorado! We will start at 7:00 AM from the Maroon Bells parking lot outside of Aspen. Hike with only your credit card, tooth brush and a change of clothes, and stay overnight in Crested Butte at a bed and breakfast—or bring camping gear. The trip leader will arrange taxi transportation for the 12 miles from the end of the trail to Crested Butte.

On Sunday, we will return over the pass to the Maroon Bells parking lot. The hike will take about four to five hours each way. It's a big snow year, so the show should be spectacular. Hopefully, the snow will have receded by then!

To register, call Lisa Tasker (303) 447-9431 in Boulder. More information will be provided directly to registrants.

MOONWORTS OF ECHO LAKE AND SQUAW PASS
Leader: Peter Root
Meeting Location: See below
Saturday, August 9, 1997, 9:00 AM

Echo Lake on the east side of Mount Evans is a classic location for observing moonworts. *Botrychium* is the largest fern genus in Colorado; nine species of these small plants are known in the state. You have probably been near them without seeing them. They are inconspicuous and finding them requires recognition of their habitat. At Echo Lake and several locations along the Squaw Pass road it is possible to observe them along the roadside, sometimes even growing in the cracks of the pavement. This trip will provide those who attended the moonworts workshop with an opportunity to apply what they have learned.

Echo Lake is easily reached from I-70 by going south on Colorado 103 at Exit 240 (Mount Evans) at Idaho Springs. We will meet at 9:00 AM in the parking lot on the east side of Colorado 5 (Mount Evans Road) just east of Echo Lake Lodge.

We will visit elevations up to 11,000 feet. Come dressed for changeable weather, including midday thunderstorms. Bring your lunch or eat at the Echo Lake Lodge. After seeing the moonworts you may want to go up to Summit Lake at about 13,000 feet to look at alpine flowering plants.

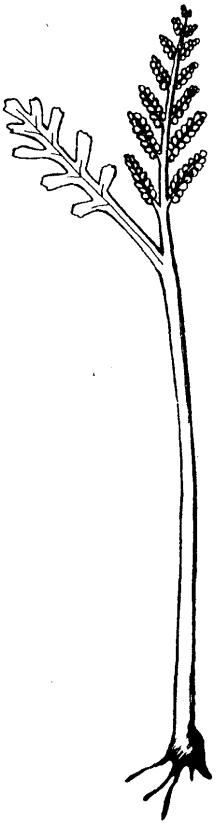
To register, call Peter Root (303) 433-9340 and leave a message.



Salix myrtillifolia
Artist: Walt Fertig

CoNPS Plant Lists Available!

Plant lists for 57 CoNPS field trips, dating back to 1977, are on file with the Field Studies Committee and are ready for distribution. Note that the lists are based primarily on field observations and are not generally documented by specimen collection. Nomenclature follows Weber and Wittman, *Catalog of the Colorado Flora,* with commonly used synonyms and common names included. Any information in the database (such as author references, common names, etc.) can be included or excluded, by special arrangement. Also, lists from repeat trips to the same region can be combined.



To place an order

Use a copy of the list on the following page as an order form. For each field trip list desired indicate:

1. Trip name and date
2. Format preferred (listed alphabetically by family, or by genus, or one of each)
3. Total number of pages for all lists requested

Calculate charges based on the rate of $.25 per page with a minimum order of $.60. Enclose a check made payable to Loraine Yeatts for the total amount of your order and mail it to her at 1395 Nile Street, Golden, CO 80401.

Botrychium campestre
Artist: Walt Fertig

CoNPS Field Trip Plant Lists

For Ordering Information See Previous Page

Trip Name	Date Begun	Leader(s)	No. of Pages Family	Genus
Aiken Canyon	06/06/1992		5	4
American Basin	08/11/1995	Gay Austin	2	2
Billy Pardee Ranch	06/06/1990	Rick Rhoades (SCS)	1	1
Butler Ranch	06/06/1990	Rick Rhoades (SCS)	3	2
Cap Rock Preserve	05/21/1994	Terri Schulz	3	2
Cedar Mesa and vicinity	05/15/1991	Rick Brune, Loraine Yeatts	5	4
Coal Creek	05/24/1995	Mike Scott, Jonathan Friedman	2	1
Conejos River Basin	06/20/1992	Patsy Douglas	5	4
Devil's Head	08/05/1989	Judy Von Ahlefeldt	1	1
Dinosaur National Monument	05/01/1993	Lynne Riedel	4	3
Dinosaur National Monument	05/11/1996	Tamara Naumann	3	2
East Carrizo Creek	05/21/1989	Rick Brune, Meg Van Ness	1	1
East Cottonwood Creek	05/21/1989	Rick Brune, Meg Van Ness	1	1
Enchanted Mesa	04/24/1977	Boulder Chapter	2	1
Florrisant Fossil Beds	06/27/1987	Mary Edwards	4	3
Fort Carson, the Hogback	05/20/1989	Rick Brune, Meg Van Ness	2	1
Green Mountain	06/03/1995	Gayle Weinstein	2	2
Green Mountain	06/01/1996	Loraine and Dick Yeatts, Jan Wingate, Velma Richards	4	3
High Creek Fen	07/11/1992	Alan Carpenter	2	2
Hoosier Ridge	07/17/1994	Robin Bingham	3	2
Horseshoe Cirque	07/12/1992	Barbara Siems	4	3
I-25 rest area near Pueblo	05/19/1989	Rick Brune, Meg Van Ness	2	1
Kim Area	05/21/1989	Rick Brune, Meg Van Ness	1	1
Long Lake / Niwot Ridge	07/01/1980	Miriam Denham, Jane Foley	3	2
Los Lagos Ranch, Rollinsville	07/23/1994	Betsy Baldwin	4	3
Mesa de Maya	08/22/1987	Ivo Lindauer	5	4
Middle Park	06/18/1989	John Anderson	2	1
Moffat County	05/23/1987	Steve O'Kane	3	3
Montezuma County	05/28/1983	Carol Brandt	3	3
Mount Bross	07/14/1985	William A. Weber	3	2
Mount Evans	08/29/1993	Betty Willard	3	2
Mount Zirkel Wilderness Area	07/16/1977	Fort Collins Chapter	4	3
Neota Wilderness	07/07/1996	Jody K. Nelson	5	4
North Table Mountain	05/14/1994	Sally White, Loraine Yeatts	5	4
Pawnee National Grassland	06/02/1979	M. Shoop, J. Dodd, R. Engle, G. Turner	2	1
Pawnee National Grassland	05/29/1987	Rick Brune	4	3
Pawnee National Grassland	06/05/1993	Jim Borland, Rick Brune	6	4
Perly Canyon	05/20/1989	Rick Brune, Meg Van Ness	2	2
Phantom Canyon	06/10/1989	Alan Carpenter	4	3
Phantom Canyon Preserve	07/15/1995	The Nature Conservancy	3	3
Piñon Canyon	05/25/1983	Tom Eamons	1	1
Plains Conservation Center	05/01/1980	A. Armstrong, S. Emrich, D. Buchner, M. Denham	3	2
Poudre Canyon	06/30/1990		4	3
Pueblo Lake	05/06/1995	Jim Locklear	3	2
Pueblo West	07/08/1988	Jim Borland	3	2
Purgatoire Canyon, Dinosaur Trackway	09/02/1995	Dexter Hess	3	2
Rampart Range	06/28/1987	Dave Powell, Neal Osbourne	3	2
Rampart Range	06/25/1988	Frank Hawksworth	3	2
Rattlesnake Canyon	05/28/1994	Dr. Walter A. Kelley	3	3
Raven Ridge	05/12/1996	Tamara Naumann, Rusty Roberts (BLM)	3	2
Roxborough State Park	05/30/1980	Susan Kraner, Vicky Trammel	3	2
Sewemup Mesa	05/29/1994	Walter A. Kelley	2	2
Taylor Arroyo	05/20/1989	Rick Brune, Meg Van Ness	2	2
Unaweep Canyon	08/10/1991	Scott Ellis	2	2
Uncompahgre Wilderness	08/10/1995	Gay Austin	3	3
Western Slope	05/27/1979	Jim Ratzloff, Scott Ellis	4	3
Wray	06/04/1994	Bruce Bosley, Don Hazlett	6	5

CoNPS Field Trip Policy

The Society wishes to remind field trip participants of the guidelines for participation in Society trips. By joining a CoNPS field trip you indicate acceptance of these policies.

1. Plant collecting is forbidden on CoNPS field trips, with two exceptions:

(1) Collecting is permissible for scientific study (with the appropriate collecting permit, if one is required for the area in question).

"Scientific study" means, for the purposes of this policy, study by a trained botanical scientist with an expectation that the study results will lead to published information; collected specimens will be deposited in a recognized, publicly-accessible herbarium.

(2) A trip leader or other person whose responsibility is to instruct trip participants may collect plants for immediate demonstration, explanation, or keying for full identification.

Such collecting should be done inconspicuously (so that persons not with the trip group are not offended or motivated to do likewise), and with reasoned regard for any possible effect on the plant population. However, collecting of rare, threatened, endangered or sensitive species should never be done for instructional purposes.

2. Rides and Cost-Sharing Policy: Car-pooling and ride-sharing are encouraged on CoNPS trips. All drivers who provide rides to others will graciously accept payment from passengers according to the following scale:

- 1 passenger (in addition to driver) 5 cents per mile
- 2 passengers 4 cents per mile
- 3 passengers 3 cents per mile
- 4 passengers 2 cents per mile

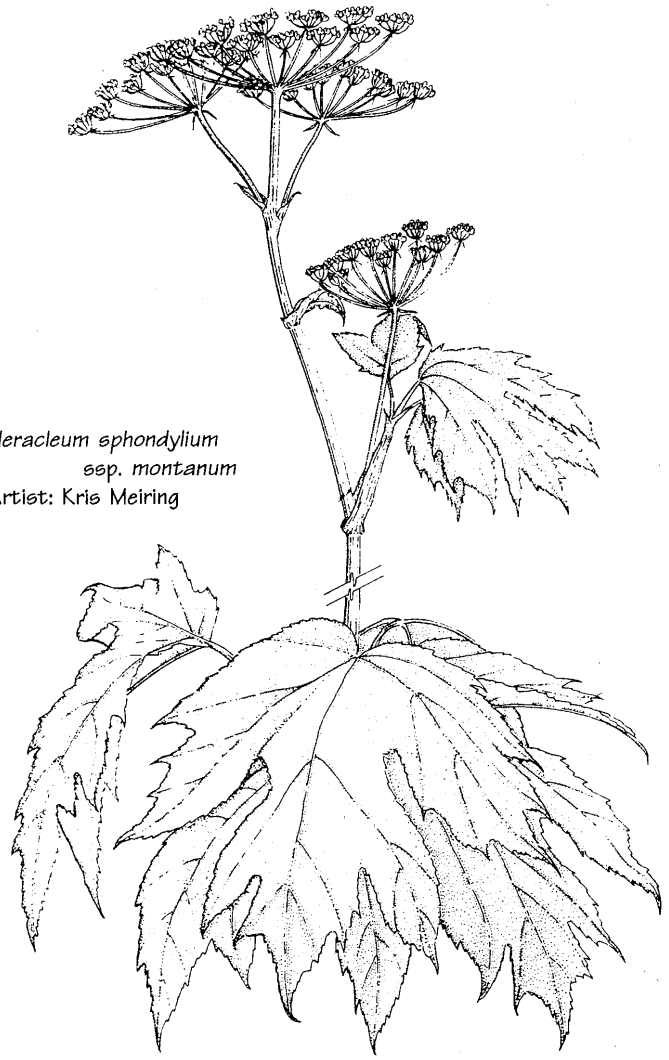
Passengers should pay the driver at the conclusion of the trip, without being asked.

3. No pets are permitted on CoNPS field trips.

Pets trample plants, disturb wildlife, and annoy other trip participants. If pets must be brought along (although this is strongly discouraged), they must remain in or restrained to the owner's vehicle (i.e. walking about on a leash is NOT acceptable).



Oreoxis alpina
Artist: Janet Wingate



Heracleum sphondylium ssp. montanum
Artist: Kris Meiring

4. Field trips are designed primarily for adults, unless the trip description specifically states otherwise.

Parents should consider the appropriateness of a given trip to a child. If a child is brought, the parent assumes full responsibility for keeping the child under strict control to prevent his/her damaging or disturbing the flora or fauna, or becoming a burden to the group. No child unaccompanied by a parent is permitted.

5. CoNPS's expressed purpose is to promote appreciation and preservation of our flora. Use it lightly.

Take care not to damage the very features you have come to see and enjoy. Take photographs, sketches, or other means of recording the plants you see, and do not pick plants or plant parts.

6. Field trip participants MUST sign a waiver of liability.

Please Don't Pick the Flowers!



- Remember that native plants are protected in National Parks and many other public areas.
- Be informed about local resource protection rules and regulations.
- Set an example of conservation and appreciation for others to follow.
- Inform local land managers of noxious weed infestations you encounter on public land.
- Volunteer for a weed-pulling or restoration project in your favorite natural area.

Continued from page 1—

school. One brother would drop out of school for a year to work and send the other brother to undergraduate school. For relaxation from his studies, Harrington read and wrote poetry and became an avid mystery-story reader. Self-taught, he played the violin at dances to earn money. He also played the Spanish guitar and ukulele and sang to many friends and relatives.

Harrington finished only two years of college before he was called back for a year to his hometown high school to teach and coach the football and basketball teams. He returned to college and earned his Bachelor of Arts in 1927 from the University of Northern Iowa. He received his master's degree in 1928 and his doctoral degree in 1933 from the University of Iowa. While completing his studies, Harrington taught part-time at the Iowa City High School and later accepted a full-time position there.

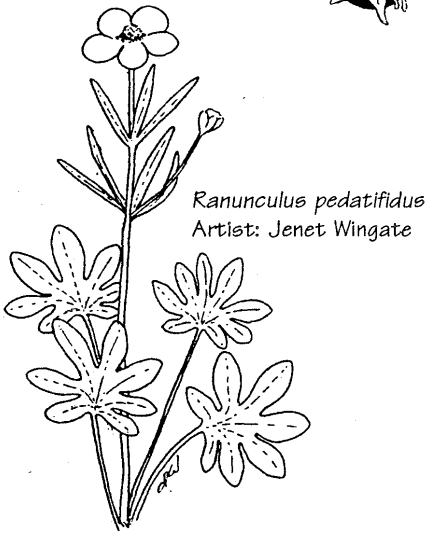
He came to Colorado State in 1936 to teach taxonomy courses. Harrington left the University in 1939 to teach botany and zoology at Chicago Teacher's College. He returned to Colorado State in 1943 as a faculty member in the Department of Botany and Plant Pathology and remained until his retirement.

Harrington married Edith Jirsa in 1933 in Waterloo, Iowa. She also was a botanist and worked for 15 years as a seed analyst at the Colorado State Seed Laboratory. She encouraged and assisted Harrington in plant collecting, photography, and preparing his publications in what she called "her small way."

In 1964, Harrington and his wife spent four months touring 15 European countries, where they visited important herbaria and botanical gardens. They took many photographs of wild and native plants that they shared with the public through educational programs conducted in the Rocky Mountain area.

Throughout their lives, Harrington and his wife traveled through every state in the continental United States. Early in 1980, they went on a tour to Tahiti, Bora Bora, New Zealand, Australia, Fiji, and Hawaii. In the summer of 1980, the two crossed and re-crossed their beloved Rocky Mountains together for the last time.

While Harrington no longer can personally share his love for Colorado plants, students and scholars of Rocky Mountain flora will continue to experience his view of native plants through his many publications and numerous plant specimens housed in the Colorado State Herbarium. This living legacy will not quickly die out.



Ranunculus pedatifidus
Artist: Jenet Wingate

CHAPTER NEWS

Metro-Denver Chapter

Monthly meetings are held at the Denver Botanic Gardens (DBG) at 7:30 PM. Room assignments vary, so please check the location for each meeting. Regularly scheduled meetings are held on the fourth Tuesday of each month from September to May, except for the November/December combined meeting.

March 25—Riparian Communities of the Platte River Watershed
Morrison Center.
Gwen Kittel's work in the South Platte River watershed is part of a statewide classification of riparian plant associations begun by the Colorado Natural Heritage Program and The Nature Conservancy in 1990. She will focus on the vegetation of the main stem of the South Platte River.

April 29—Holocene History of Subalpine Fens
Morrison Center.
Don Sullivan will report on recent research examining peat and sediment accumulations in subalpine fens as a record of climatic change. He is a professor of Geography at Denver University.

May 27—To Be Announced



Leucocrinum montanum
Artist: O. V. Kirkton

Plateau Chapter

April 5—Grass Identification
Joe Brummer, CSU Mountain Meadows Research Center Director, and Gay Austin, Biologist, USDA Forest Service, will emphasize having fun identifying the different tribes of grasses and maybe a few species, if time allows. Samples were collected in the summer/fall of 1996 and microscopes will be available for a closer look. The workshop will be held at the Forest Service Office in Delta. Cost is $10. Call Gay Austin (970) 641-6264 (h) or 641-0471 (w) for more information and registration materials. Limit is 20 people.

April 19—Black Canyon Burn Ecology
Park Ranger Paul Zaenger will take us on a tour of a piñon-juniper area near Montrose that burned last summer. We will discuss fire ecology and regeneration, and explore the new regrowth of spring. Call the Black Canyon Visitor Center (Paul Zaenger) to register (970) 249-1915 ext.18.

April 26—
Adopt-a-Rare-Plant Workshop
See page 3 for details.

April 30–May1—Microbiotic Soil Crusts
Larry St. Clair, Brigham Young University, will give an introductory workshop at the Bureau of Land Management Office in Montrose on microbiotic (cryptogamic) soil crusts and their ecology. The first day will be spent indoors getting basic information and looking at specimens. The second day we'll be in the field looking at local crusts. Cost is $20. Call Gay Austin for information and registration (970) 641-6264 (h) or 641-0471 (w). Limit is 25 people.

May 10—Big Dominguez Canyon
Get yourself out to view the spring flora in Canyon Country. A variety of Brassicaceae, Fabaceae and other early flowers should be in bloom. Big Dominguez Canyon is always beautiful. Call Bob Clark for details (970) 241-6067.

May 19–23—National Wildflower Week *Celebrating Wildflowers* Landscaping Project
The Taylor River–Cebolla Ranger District Office in Gunnison will be landscaping their office building with nursery-grown native wildflowers. The Forest Service is also working with the Ute Indian Tribe on suggestions for plants used for food, spiritual purposes, or medicine. If you would like to help with this project, call Gay Austin at (970) 641-0471.

May 30-31—Easy Plant Identification
Have you ever been frustrated trying to identify wildflowers? Evelyn Horn will treat you to a simplified keying system. Participants will learn to use Wingate's *Rocky Mountain Flower Finder* on Friday and head to the field on Saturday. The cost is $10 and the book is included. Call Evelyn Horn to register (970) 835-8391.

June 21—Ute Trail of the Gunnison Gorge
The Ute Trail is a long winding path with many fascinating plants. Lots of wetland species can be seen. Camping for the night and fishing are options. Call Bob Clark (970) 241-6067 or Gretchen Van Reyper (970) 835-3268 for details.

June 25 & 28—Introduction to Plant Photography
Andrea Robinson will share her knowledge on the best ways to capture flowers on film somewhere in Montrose (location to be announced). She'll cover equipment and methodology basics on Wednesday evening. Saturday we'll head to the field to practice. Cost is $10. Call Andrea to register (970) 240-1306.

July 7–11—Crested Butte Wildflower Festival
Wildflower walking and/or bicycling tours, wildflower photography, wetland tours and more. Call Dana Spencer (970) 349-7153 for more information.

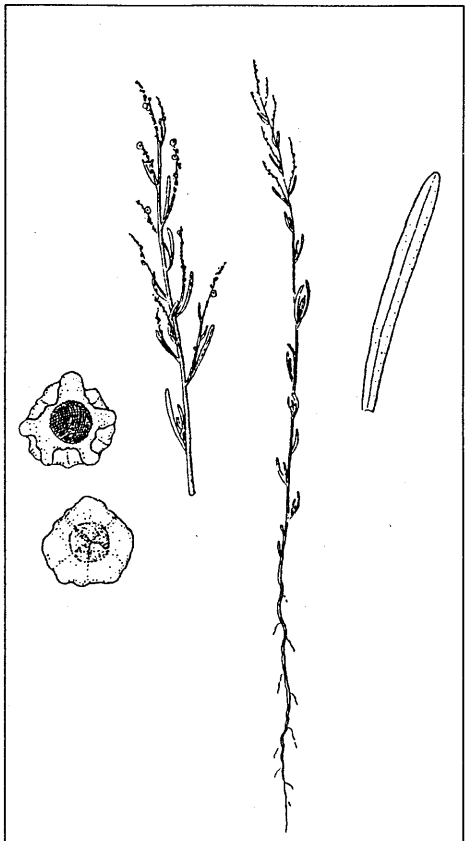
—Continued on page 13

The Search for Rare Plants—Sandhills Goosefoot

Bill Jennings

During 1995, the Colorado Natural Areas Program funded research into the status of sandhills goosefoot (*Chenopodium cycloides*). Prior to the discontinuance of the Category 2 designation by the U.S. Fish and Wildlife Service in 1995, sandhills goosefoot was a Category 2 species. Category 2 species were those species apparently in need of protection by the Endangered Species Act, but for which sufficient data to make that determination was lacking.

Sandhills goosefoot was collected for the first time in 1895 by A. S. Hitchcock in sand hills in southwestern Kansas. Since that time, it has been collected infrequently in sandy situations in Kansas, Colorado, New Mexico, and Texas. The first Colorado collection was in 1935. It was taken for the first time in New Mexico in 1913 and in Texas in 1925. Specimens have often been identified or previously annotated as narrow-leaf goosefoot (*Chenopodium leptophyllum*) or *Chenopodium pallescens.*



Chenopodium cycloides Artist: Janet Wingate

Sandhills goosefoot is an erect annual herb up to four feet tall, but is usually under two feet. Leaves are alternate, linear, narrow, and up to two inches long. Flowers are inconspicuous, but the distinctive fruits contain a single dark red to dark brown disc-shaped seed. The sepals expand to form a distinctive collar, which remains attached to the fruit.

As noted above, the known range of the species is rather large, encompassing southeastern Colorado, southwestern Kansas, the eastern half of New Mexico, and much of west Texas. It probably occurs in western Oklahoma, but I am not aware of any specimens. It is probably in old Mexico as well, since there are several collections from southern New Mexico and from Texas near El Paso.

Craig Freeman and Ronald McGregor of the University of Kansas have spent some time looking for the species, and numerous sites are now known from southwestern Kansas, particularly in the Cimarron National Grassland in Morton County, Kansas, which is probably the best place to

—Continued on page 14

Plateau Chapter (continued)

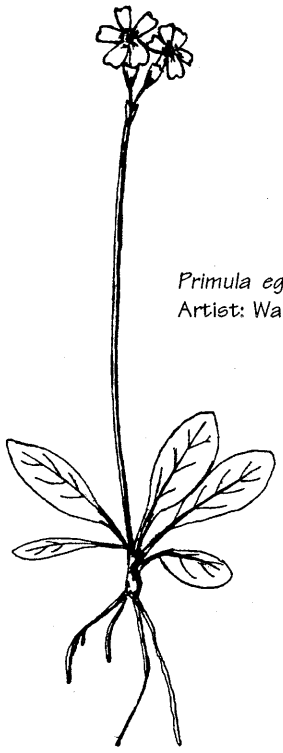
July 12—High Creek Fen Tour
Dr. Alan Carpenter, Colorado Land Steward with The Nature Conservancy (TNC), will lead a tour of the TNC's 714-acre High Creek Fen in South Park, south of Fairplay. Alan will talk about research on aspects of High Creek Fen, including ecology, rare plants, insects, and impacts of nearby peat mining operations. Irrigator boots or old tennis shoes are needed for walking around in the wetland. Cost is $10. Call Gay Austin (970) 641-6264 (h) or 641-0471 (w) for information and registration. Limit is 15 people.

July 19-20—Red Mountain Pass
Meet Saturday at 10:30 AM at Ouray Rotary Park. We will carpool at the start of Black Bear Pass road and drive above timberline to explore the alpine with trip leaders Evelyn Horn and Marion Fick. Bring lunch.

On Sunday we will explore the Ironton Flats Wetlands with Tony Hoag. Nearby is the Idarado Mine where we we can see the results of reclamation efforts.

We'll reserve a group camping site for Saturday night; motel accommodations are also available in Ouray. For information and registration call Tony Hoag (970) 249-3564, Evelyn Horn (970) 835-8391 or Marion Fick (970) 325-4567.

August 2—West Elk Mountain
We don't know where Vinnie Rossignol will lead us this year, but the Crested Butte area has some of the best wildflowers around. For more information call Vinnie (970) 349-5682.



Primula egaliksensis
Artist: Walt Fertig

Continued from page 13—

view the species. There are extensive sand dune areas along the Cimarron River, and there the species is often found at the edge of sand blowouts. The plant usually blooms in July, but is best identified in fruit in August and September.

In Colorado, there are four known specimens. J. H. Christ found the plant 26 miles south of Fountain on September 14, 1935 (CS). During his thesis research, C. M. Rogers saw the plant in a sandy area five miles south of Kim (COLO, MICH). Dina Clark and Carolyn Crawford visited this site, but found no plants. Dina did collect the species elsewhere in Las Animas County during her thesis research (Clark 539, COLO), and Carolyn collected the plant not far from Dina's site (Crawford s.n., COLO). Both report the plant grew in sandy clearings within grassland, with little bluestem (*Schizachyrium scoparium*), big bluestem (*Andropogon gerardii*), wolftail (*Lycurus phleoides*), annual buckwheat (*Eriogonum annuum*), snakeweed (*Gutierrezia sarothrae*), narrow-leaf goosefoot (*Chenopodium leptophyllum*), and winged pigweed (*Cycloloma atriplicifolium*).

In New Mexico, the species is known from Rio Arriba, De Baca, Doña Ana, and Roosevelt Counties. The most recent collections are by Bob Sivinski of the State of New Mexico Forestry and Resources Conservation Division (Energy, Minerals, and Natural Resources Department) in De Baca County in 1995. Other recent collections were in 1987 and 1992 (Roosevelt County).

In Texas, the species has been found in ten counties, in sandy soil or sand dunes. Recent collections have been made in El Paso County (1988) and in Winkler County (1984). Most specimens date from the 1940s and 1950s, and many were collected by Barton Warnock (Sul Ross State University, Alpine, Texas), who has published extensively on the flora of western Texas.

Since sandhills goosefoot is an annual species, germination is probably dependent upon good winter and spring precipitation. Good blooms do not occur every year, possibly contributing to its reputation as a rare plant. The plant's habitat is hot, dry, and dusty in summer—not particularly inviting to botanists. Also contributing to its apparent rarity is the Chenopodiaceae family's reputation for weediness—botanists may often pass *Chenopodiaum cycloides* by as "just another weedy goosefoot." During my researches on this plant, I found 52 specimens representing about 30 distinct sites in 22 counties in four states. Botanists visiting dune areas, places with very sandy soils, and roadside areas where roadcuts have been made through dunes or sandy soils are advised to seek out this interesting plant.

Editor's Note:
CS=Colorado State Universiy Herbarium
COLO=University of Colorado Herbarium
MICH=University of Michigan

Horticultural Notes—Mountain Mahogany (*Cercocarpus* spp.)

Jim Borland

Between 1984 and 1990, five species or cultivars of mountain mahogany (*Cercocarpus*) were planted each year at each of five sites in Kansas (Manhattan, Hays, Colby, Tribune, Garden City and Wichita). These plantings were evaluated for potential use in landscaping. *Cercocarpus montanus* was planted in 1985 from one-gallon containers and evaluated for four subsequent years. Follow-up maintenance varied considerably from site to site, but survival was high, especially at drier sites. Authors recommended mountain mahogany for consideration in low-maintenance situations or for harsh environmental conditions, noting its lack of a regular form, fall color and significant floral display.

Hensley, D. L. et al. 1991. Evaluation of woody ornamentals for Kansas. Report of Progress 615. Agricultural Experiment Station. Kansas State University. 33 pp.



Cercocarpus montanus
Artist: A. E. Hoyle

FOR YOUR LIBRARY

Rare Plants of Colorado, Second Edition

Eleanor Von Bargen, Chair of the Society's rare plant monograph committee, has announced that the eagerly awaited second edition of ***Rare Plants of Colorado*** will soon be in our hands! The new book, published by CoNPS in collaboration with the Rocky Mountain Nature Association and Falcon Press, is even bigger and better than the popular first edition.

The second edition, covering about 140 of Colorado's rare plants, follows the format of the original book. Plant descriptions and illustrations are organized by habitat into chapters: Alpine, Barrens, Cliffs & Canyons, Forests, Grasslands, Woodlands, and Wetlands. The book includes over 100 pages (8½ x 11 inches) and features narrative descriptions of each species together with beautiful photographs and line drawings. Eleanor commented, "For several years our committee has worked to revise the previous book, and you will hardly recognize the new version—many new species are included, and all previous material has been revised and updated. This edition is filled with new information about some of our state's most special botanical resources, and we hope you will find it it educational and useful." She also noted, "We hope all CoNPS members will proudly display this book to their relatives, friends, and associates. One of our objectives is to teach others why some of Colorado's plants are in peril, and to encourage study and conservation of these rare plants."

Rare Plants of Colorado will be distributed by Falcon Press and by Rocky Mountain Nature Association through their regular retail outlets. The book is being printed in Hong Kong to allow the liberal use of color photographs for a reasonable price. Release is scheduled for early May, 1997. Retail price will be $16.95 plus tax—but Colorado Native Plant Society members can purchase the book at a discounted price of $14.00. The books will be available for purchase at chapter meetings, field trips, the annual meeting, and other Society functions, but if you do not have access to one of these sources (or can't wait!), use the order form below to obtain the book directly from the Society. Please remember that you are ordering in advance of publication. Your order will be filled promptly once the books are in our hands, though there is always the chance of delay.

***Rare Plants of Colorado*, Second Edition**
Order Form

Please send:

_____ copies of *Rare Plants of Colorado*, Second Edition at $14.00 each.
Add $1.50 postage plus applicable sales tax for each book.
(Tax: City of Boulder $1.02, Boulder County outside Boulder city limits 58¢, Denver $1.02, Fort Collins 88¢, Adams, Arapahoe & Jefferson Counties 53¢, all other areas in Colorado 42¢)

Total enclosed: $ _____
(Make checks payable to CoNPS)

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Mail order to: Velma Richards, 3125 West Monmouth Ave., Englewood CO 80110.



Cirsium ownbeyi
Artist: Kaye H. Thorne

King Of Colorado Botany Charles Christopher Parry, 1823-1890

by William A. Weber

Combines the lists of Parry's collections with the scientific and semipopular descriptions of his travels. Until now, these were scattered in rare periodicals and old newspapers. This work will be of interest to naturalists and others interested in the American West during the latter half of the nineteenth century.

Released March 11, 1997.

Available from:
University Press of Colorado
P.O. Box 849
Niwot CO 80544.

Price: $39.95

CALENDAR OVERVIEW

CHAPTER MEETINGS

Metro-Denver Chapter

Mar 25	Platte River Riparian Communities
Apr 29	Holocene History of Subalpine Fens
May 27	To Be Announced

Plateau Chapter

Apr 5	Grass Identification
Apr 19	Black Canyon Burn Ecology
Apr 30 & May 1	Microbiotic Soil Crusts
May 10	Dominguez Canyon
May 19-23	*Celebrating Wildflowers* Landscaping
May 30-31	Easy Plant Identification
Jun 21	Ute Trail of the Gunnison Gorge
Jun 25 & 28	Introduction to Plant Photography
Jul 7-11	Crested Butte Wildflower Festival
Jul 12	High Creek Fen Tour
Jul 19-20	Red Mountain Pass
Aug 2	West Elk Mountain

1997 FIELD TRIPS

May 31 & Jun 1	Four Corners with Charlie King and Dick Moseley
May 31	Green Mountain with Jan Wingate and Velma Richards
Jun 7	Stapleton International Airport with Denise Larson
Jun 14	Buffalo Creek Fire with Steve Vest and Denny Bohon
Jun 21 & 22	Chimney and Lewis Canyon with Don Hazlett and D. Bruce Bosley
Jun 21 & 22	Dinosaur National Monument with Tamara Naumann
Jul 13	Shrine Pass with Nicola Ripley and Jeff Wagner
Aug 1 & 2	West Maroon Pass with Lisa Tasker
Aug 9	Moonworts of Echo Lake/Squaw Pass with Peter Root



Colorado Native Plant Society
P.O. Box 200
Fort Collins, Colorado 80522

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