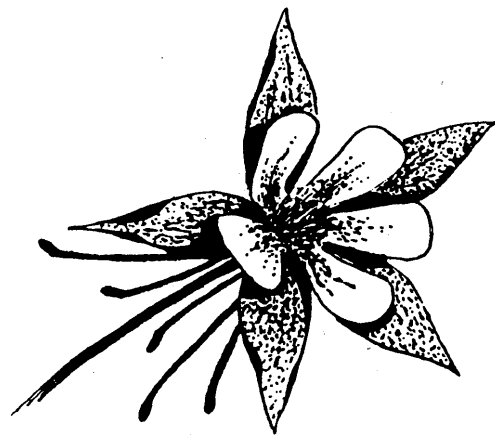


# Aquilegia



Newsletter of the Colorado Native Plant Society

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

Volume 19 Number 1

January — March 1995

## National "Celebrating Wildflowers" Campaign

**Andrew Kratz, Botanist  
USDA Forest Service**

*Celebrating Wildflowers* is a national program highlighting wildflower education, interpretation, and restoration activities on federal land. Originally developed in the Pacific Northwest by the U. S. Forest Service, the expanded program now includes the U. S. Bureau of Land Management and the National Park Service along with the Forest Service as sponsors. The goal of *Celebrating Wildflowers* is to develop a wide range of public-private sector partnerships for increasing public awareness of our

wildflower heritage and promoting conservation of botanical resources.

In 1994, the Forest Service in Colorado co-sponsored 28 wildflower walks, 16 school programs, eight slide programs, eight wildflower displays, five campfire talks, four outdoor programs, and a photo session. More than 5,000 people participated in these events. Promotional materials produced included 1,500 wildflower posters and an educational video. The Forest Service was also a participant in the Annual Wildflower Festival in Crested Butte.

*Celebrating Wildflowers* promises to be even more successful in 1995. The Colorado Federation of Garden Clubs has initiated *Operation Wildflower* to focus the attention of gardeners on wildflower cultivation and preservation. The Federation and the Colorado Native Plant Society will join forces with the Forest

Service this year to co-sponsor a variety of *Celebrating Wildflowers* events. The sponsoring federal agencies will provide announcements of these events at their information desks throughout the state, and a national toll-free information number has been established for promoting major *Celebrating Wildflowers* events.

These *Celebrating Wildflowers* partnerships will undoubtedly increase the opportunities for public outreach and education, with Colorado's special botanical heritage the beneficiary. By working together we can promote greater public "appreciation and conservation of the Colorado native flora."

For information on *Celebrating Wildflowers* or to co-sponsor an event, call or write:

Andrew Kratz  
USDA Forest Service  
P. O. Box 25127  
Lakewood, CO 80225  
(303) 275-5009.



*Puleatilla patens*  
Artist: O. V. Kirkton

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**DON'T LET THIS ISSUE OF *Aquilegia* BE YOUR LAST!**

Have you paid your CONPS dues? Dues notices were sent out in November. Please remember that dues cover a calendar year, except new members who join in the second half of the year are credited through the following year. The mailing label on your newsletter shows the year THROUGH which you are paid—i.e., PAID THRU 94 means you should remit your dues for 1995! If you have sent your payment within the past few weeks, the label could be incorrect due to the length of time required for newsletter production.

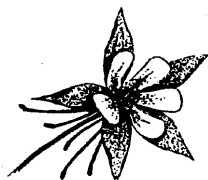
Membership Committee Chair Myrna Steinkamp also notes that the post office will not forward bulk mail, so if you move and want to continue to receive CONPS mailings, it is essential that you notify the Society (P.O. Box 200, Fort Collins CO 80522-0200).



*Aquilegia*  
is printed on 100%  
recycled paper

**CORRECTION:** In *Aquilegia* Vol.18 No.4, pg.4, Col.3, ¶2, "Species A" should read "Species B", and "species B" should read "species A"!

**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:

**Nina Williams**  
976 Cherryvale Road  
Boulder, CO 80303

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 or Mac) are appreciated. Please indicate word processing software and version.



**Officers**

President .....	Tom Ranker .....	492-5074
Vice-President .....	Chris Pague .....	491-1309
Secretary .....	Mark Gershman .....	443-9365
Treasurer .....	Carol Scheid .....	493-1367

**Board of Directors**

Ann Armstrong (95) .....	Boulder .....	494-0545
David Buckner (95) .....	Boulder .....	494-3231
Kathy Carsey (96) .....	Boulder .....	449-3041
Janet Coles (95) .....	Boulder .....	440-0595
Mark Gershman (96) .....	Boulder .....	443-9365
Andrew Kratz (95) .....	Lakewood .....	238-6317
Tamara Naumann (95) .....	Dinosaur .....	374-2504
Chris Pague (96) .....	Lyons .....	492-4719
Tom Ranker (96) .....	Boulder .....	492-5074
Carol Spurrier (96) .....	Lakewood .....	274-6905

**Chapter Presidents**

Boulder .....	Lynn Riedel .....	666-6687
Metro-Denver .....	Jeff Dawson .....	722-6758
Fort Collins .....	Mike Scott .....	490-1788
Yamparika .....	Reed Kelley .....	878-4666
San Juan .....	Gretchen	
	Van Reyper .....	835-3268
Southwest .....	Leslie Stewart .....	882-7241

**Committees**

Conservation .....	Janet Coles .....	440-0595	
	and .....	Kathy Carsey .....	449-3041
Editorial .....	Nina Williams .....	499-9858	
	and .....	Tamara Naumann .....	374-2504
	and .....	William A. Weber .....	492-6171
Education .....	Andrew Kratz .....	238-6317	
Field Trips .....	Rick Brune .....	238-5078	
	and .....	Jeff Dawson .....	722-6758
Field Studies .....	Mary Edwards .....	233-8133	
Hort/Restoration .....	Tina Jones .....	794-2647	
	and .....	Ann Armstrong .....	494-0545
Legislative Affairs .....	VACANT .....		
Membership .....	Myma Steinkamp .....	226-3371	
	and .....	Sue Martin .....	226-3371
Publicity .....	VACANT .....		
Workshops .....	VACANT .....		

# ANNOUNCEMENTS

## SECOND SOUTHWESTERN RARE AND ENDANGERED PLANT CONFERENCE

FLAGSTAFF, ARIZONA  
SEPTEMBER 11 - 14, 1995

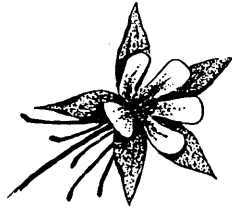
DUBOIS CONFERENCE CENTER  
NORTHERN ARIZONA UNIVERSITY

Pre-register by April 1, 1995 and pay \$50 (Students \$25). Registration fee after April 1st is \$60 for non-students, \$35 for students. To register, send your name, day-time phone, affiliation, and address, along with a check made payable to:

**The Arboretum at Flagstaff**  
P.O. Box 670  
Flagstaff AZ 86002.

Authors will receive a complimentary copy of the published proceedings. The proceedings will be distributed to federal agencies; southwestern university libraries, herbaria, and botanical gardens. They will also be available for sale.

For more information, call Joyce Maschiniski (602) 774-1441.



*In Memory of  
Karin Sundquist*

*February 12, 1995*

*Karin Sundquist devoted many hours to the  
Colorado Native Plant Society in her effort  
to help conserve Colorado's botanical heritage.  
She will be missed.*

*Donations may be made to the  
Colorado Native Plant Society  
John Murr Fund for Plant Research  
P.O. Box 200  
Fort Collins, CO 80522*



## VOLUNTEER OPPORTUNITY GUNNISON BASIN PLANT IDENTIFICATION

Gay Austin invites all interested Colorado Native Plant Society members to participate in the Gunnison Basin Ecological Classification and Inventory Project. This joint project is sponsored by the Habitat Partnership Program (HPP), U. S. Forest Service (USFS), Bureau of Land Management (BLM), Rocky Mountain Elk Foundation, and Colorado Division of Wildlife (CDOW); it is designed to help resolve conflicts between wildlife and livestock in the Gunnison Basin.

Inventory crews will spend one or two days identifying plants. So far, the project has turned up one sensitive plant species in five separate locations on USFS and BLM land.

To volunteer or for more more information, call Gay Austin (303) 641-0471.

## SOCIETY FOR CONSERVATION BIOLOGY NINTH ANNUAL MEETING

FORT COLLINS, COLORADO  
JUNE 7 - 11, 1995

This international organization has been instrumental in bringing together biologists, policy makers, and others to develop and coordinate conservation strategies world-wide. Colorado State University is hosting the meeting this year—a terrific opportunity for Colorado residents. The meeting will include scientific presentations, posters, symposia, and round-table discussions. The agenda includes symposia on Habitat Conservation Planning, Theory and Design of Nature Reserves, The Wildlands Project, and Sustainability and Conservation Biology. A special round-table discussion will focus on Colorado Plateau issues.

For registration information, contact the Office of Conference Services at Colorado State University (303) 491-7501.

# ANNOUNCEMENTS

## CHANGE OF ADDRESS and PHONE NUMBERS

**Utah Natural Heritage Program**  
 Division of Wildlife Resources  
 1596 West North Temple  
 Salt Lake City, UT 84116

R. Douglas Stone, Coordinator/Ecologist (801) 538-4761  
 Ben Franklin, Botanist ..... (801) 538-4763  
 Joel Peterson, Information Manager ..... (801) 538-4759  
 Zoologist ..... (801) 538-4781  
 FAX ..... (801) 538-4709

**Colorado Natural Heritage Program**  
 103 Natural Resources Building  
 Colorado State University  
 Fort Collins, CO 80523

Administrative Office ..... (303) 491-1309  
 Chris Pague, Director  
 Elizabeth Powell, Program Assistant  
 Information Requests ..... (303) 491-2844  
 Katie Pague, Information Manager ..... (303) 491-2847  
 Steve Kettler, Ecologist ..... (303) 491-2998  
 Susan Spackman, Botanist ..... (303) 491-2992  
 John Sanderson, Wetlands Ecologist ..... (303) 491-2998  
 Gwen Kittel, Riparian Ecologist ..... (303) 491-2992  
 FAX ..... (303) 491-0279

**Tamara Naumann, Botanist**  
 Dinosaur National Monument  
 4545 East Highway 40  
 Dinosaur, CO 81610-9724

(303\*) 374-2501 - office  
 (303\*) 374-2504 - home  
 \*area code changes to (970) April 2<sup>nd</sup>



*Trifolium* sp.  
 Artist: O. V. Kirkton



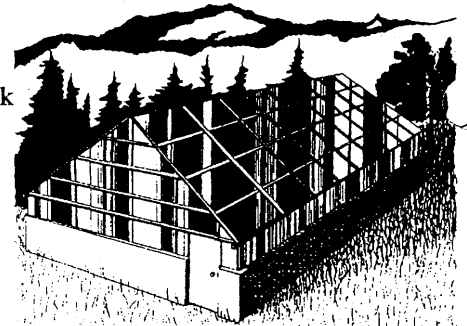
## THE GREENHOUSE PROJECT ROCKY MOUNTAIN NATIONAL PARK

Friends of Rocky Mountain National Park are helping with a project focused on the park's future. Over the next decade thousands of plants will be needed to restore and revegetate heavily used areas. Some three million visitors enjoy Rocky Mountain National Park each year—nature has trouble keeping pace with the wear and tear.

A greenhouse is needed for an ambitious volunteer effort aimed at restoration of native flora and habitats. By extending the growing season in a greenhouse, we can foster native plants grown from seeds collected within the park. Rocky Mountain National Park Associates, Inc. has agreed to assist the National Park Service and park volunteers by raising \$38,000 to help construct a greenhouse in 1995.

You can help Rocky Mountain National Park prepare for the next generation of park visitors. Send contributions to:

Curt Buchholtz  
 RMNP Associates  
 Rocky Mountain National Park  
 Estes Park, CO 80517.



For more information about this project, call Heidi Knudson, Assistant Director, Rocky Mountain Nature Association (303) 586-1258.



## FIRE AND RARE AND ENDANGERED SPECIES AND HABITATS

COEUR D'ALENE, IDAHO  
 NOVEMBER 13 - 15, 1995

The International Association of Wildland Fire is bringing together policy makers, public land managers, and conservation organizations to promote dialogue and information sharing about the possible interactions between fire and rare and endangered species and habitats.

The registration fee is \$145, and includes conference materials, refreshment breaks, lunches, banquet, and proceedings. Extra banquet tickets may be purchased for \$26 each. Accommodations are available at the Coeur d'Alene Hotel at a special conference rate of \$50 per night. To register or for more information, call 1-800-697-3443.

## DR. FAITH THOMPSON CAMPBELL LEAVES NRDC

Faith Campbell has taken a new position as Governmental Liaison for a coalition of Exotic Pest Plant Councils (EPPCs). Dr. Campbell has been a tireless advocate for rare and native plant protection at the national level. Her presence at NRDC (Natural Resources Defence Council) will surely be missed!

Her new address is: 8208 Dabney Avenue  
Springfield, VA 22152  
(202) 682-9400 ext. 230  
FAX (202) 682-1331

EPPCs are state-based organizations actively working to curb the threat to biodiversity posed by invasive exotic or alien plant species. Initially, Dr. Campbell will represent the EPPCs of Florida, Tennessee, and the Pacific Northwest in interactions with federal agencies and the Congress, and in promoting public awareness of the issues. The EPPCs expect to form a national association in the coming months.

The EPPCs hope to offer their expertise to federal agencies responsible for identification and control of alien invasive plant species (including the land-managing agencies, APHIS, and the National Biological Survey), persuade Congress to amend the Federal Noxious Weed Act of 1974 (to eliminate glaring weaknesses that undermine its effectiveness), and build public understanding by coordinating production of fact sheets on the threat to biodiversity posed by invasive alien plant species.

An early priority is to develop a list of plant species which threaten to become invaders of natural areas. Working from lists gathered from a variety of sources, Dr. Campbell has prepared an initial list for the continental United States. She is soliciting reviews of the list, including suggestions for additions, deletions and changes. She is particularly interested in learning of additional states in which species on the list have proved troublesome. She would like help in ensuring that the plants on the list are placed in their proper categories of grasses, herbaceous plants, vines, shrubs, trees, and aquatic plants.

If you would like to help, write or call Dr. Campbell and ask to review the continental list or otherwise be kept informed about the issue and the work of the EPPCs.

Dr. Campbell reports that she is looking forward to working on this important conservation problem and welcomes the opportunity to be of service to colleagues who are struggling against invaders.

GOOD LUCK, FAITH!



## HELP KEEP THE ENDANGERED SPECIES ACT OUT OF DANGER !

The Board of Directors of the Colorado Native Plant Society (CONPS) recently sent an appeal to the membership asking for support of the Endangered Species Act (ESA). The Board is concerned that the ESA is in danger and believes that the Colorado Native Plant Society, as an organization "dedicated to the appreciation and conservation of the Colorado native flora," is in a position to voice strong support for this important legislation. An official letter has been sent by the Society to the Colorado Congressional delegation; letters from individual CONPS members will lend needed support to the letter signed by CONPS President Tom Ranker.

Under the guise of the *Job Creation and Wage Enhancement Act*, the current Congress is poised to undermine or significantly weaken a number of environmental laws and regulations. Some of these, including the ESA, serve to protect native plants and the ecosystems they depend on. It appears that the Endangered Species Act is one of the prime targets this legislative session. Colorado residents do not need to be reminded of the threat to our natural heritage from unbridled development and short-sighted land management practices. The ESA has served as a strong defense for some of our most endangered species and ecosystems. If you have not yet sent your letter of support, please take a few moments now to let your elected representatives know that you expect their support of a strong ESA; ask them to oppose any moves to weaken the Act.

Now is the time to voice your concern for Colorado's native flora.

Write to: The Honorable \_\_\_\_\_  
U. S. Senate  
Washington DC 20510

The Honorable \_\_\_\_\_  
U. S. House of Representatives  
Washington DC 20515



### *Centaurea repens* L. Russian Knapweed

(Sen-tor'-e-ah ree'-pens)

CENTAUR: (Greek) spearman, piercer  
REPEN: (Latin) creeping

The generic name comes from the classical name of a plant in Grecian fables, which is said to have cured a wound in the foot of Chiron, one of the race of Centaurs, a primitive tribe of Thessaly, the wild horse breakers. They were also characters in Greek mythology, born of Ixion and having the upper torso of a man and the body and legs of a horse. The specific name comes from the fact that the plant is a perennial with strong, black, creeping roots that can send up new shoots from frequent nodes.

Excerpted from:  
Zimdahl, R. L. 1989. *Weeds and Words: The Etymology of the Scientific Names of Weeds and Crops*. Iowa State University Press, Ames. 125 pp.

## FIELD TRIPS - 1995

### IN SEARCH OF THE DWARF MILKWEED

Leader: Jim Locklear

Meeting Location: Lake Pueblo State Recreation Area  
Saturday, May 6, 1995, 9:00 a.m.

The dwarf milkweed, *Asclepias uncialis*, is a poorly understood plant native to the shortgrass prairie of eastern Colorado and northeastern New Mexico. With fewer than 100 known individuals in existence, *A. uncialis* is possibly the rarest plant in Colorado, and would rank as one of the rarest species in North America. Jim Locklear, director of the Nebraska Statewide Arboretum, has been a member of CONPS since 1985 and has been searching the plains of Colorado for the dwarf milkweed since 1989.

The goals for the trip are to (1) relocate and assess the status of populations of *A. uncialis* found in the vicinity of Pueblo Reservoir in 1990, (2) search other areas of suitable habitat in the vicinity for additional populations, (3) determine the feasibility of collecting seed for off-site conservation and experimentation purposes. Other rare species, such as *Bolophyta tetraeuris*, may also be encountered.

Meet at 9:00 a.m. in the parking lot of the Headquarters Building, Lake Pueblo State Recreation Area, near Pueblo. There is a \$3.00 charge per vehicle for entry into the park. A few individual plants were within a relatively easy walk from the parking lot in 1990; cars will be required to drive to other search localities. Bring lunch, water, and sturdy hiking boots. Limit 15 people.

For information or to register for the field trip, contact Jeff Dawson 303-722-6758 (h) or 303-740-2793 (o) or Jim Locklear 402-472-2971 (o) or 402-489-1829 (h).



*Androsace* sp.  
Artist: Francie Ramaley

### PURGATORY CANYON DINOSAUR TRACKWAY and BENT'S FORT

Leaders: U.S. Forest Service and Dexter Hess  
Meeting Location: call  
Saturday & Sunday, September 2 & 3, 1995

On Saturday, September 2, Dexter Hess has arranged for a U.S. Forest Service guided tour to view the famous dinosaur trackway in Purgatory Canyon. After the tour and on the following day, we will have time to further explore the slopes and rim of the canyon, which are generally in better condition than the canyon bottom. Although it will be late summer, there should still be plenty of

### ENDEMICS AND MORE IN FOUR CORNERS

Leaders: Leslie Stewart and Dick Moseley

Meeting Location: Entrance to Mesa Verde National  
Park (Sunday)  
Sunday & Monday, May 28 & 29, 1995, 8:00 a.m.

The Southwest Chapter invites members of the Colorado Native Plant Society to Four Corners! This two-day field trip will focus on some of the local endemics as well as on several plant communities typical of southwestern Colorado. Authorities on the local flora will accompany the group each day.

On Sunday, May 28, we will meet at 8:00 a.m. in the parking lot near the entrance gate to Mesa Verde National Park, just off U. S. Highway 160. By special arrangement (a small fee may be required), we will hike with a Ranger Naturalist to populations of some very special plant species. We will spend the entire day within the park, observing many other species of the Mesa Verde flora and discussing ethnobotany. The hiking will be moderately vigorous.

On Monday, May 29, we will meet at 9:00 a.m. at the parking lot of the Chimney Rock Archaeological Area three miles southwest of U. S. Highway 160 on State Route 151. We'll focus on more of the local endemic flora and other species of interest in the Pagosa Springs area. Stops will include several roadside areas, a ponderosa pine forest, and a moderately vigorous hike along the gorge of the Upper Piedra River. Participants will have several opportunities to leave early, if they wish.

To register, call or write Leslie Stewart, P. O. Box 891, Dolores CO 81323, 303-882-7241 (evenings), or call Dick Moseley 303-731-5918. Registrants may request an information packet containing field trip details, lodging information, camping opportunities, etc.

interesting plants to see. On Sunday, Dexter will take us on a tour of Bent's Fort, where he is working on a vegetation survey and a revegetation project. Dexter has worked at the historic fort as a docent for many years. This is a terrific opportunity to glimpse life and travel in the Colorado prairie 150 years ago; we'll see ruts left from the Santa Fe trail! Limit 25 people.

A 4-wheel-drive vehicle is required to get to the track; the alternative is an 11-mile hike. Permits for driving to the site are booked a year in advance—so sign up early.

For information or to register for the field trip, call Dexter Hess in La Junta 719-384-2464.

## FIELD TRIPS - 1995

### GREEN MOUNTAIN WILDFLOWER WALK

Leader: Gayle Weinstein

Meeting Location: call

Saturday, June 3, 1995, 10:00 a.m.

Join Gayle Weinstein for a wildflower walk to enjoy the spring flowers of Green Mountain (in Jefferson County). Bring along your favorite plant key and Gayle will help you learn the basics of plant identification and navigation in plant keys. Bring lunch and water. We'll finish by 3:00 p.m.

To register and find out the meeting location, call Rick Brune 303-238-5078.

*Asclepias uncialis*

Artist: Carolyn Crawford



### HIGH PLAINS RIPARIAN PLANT COMMUNITIES

Leaders: Mike Scott and Jonathan Friedman

Meeting Location: East of Denver—see directions below

Saturday, June 24, 1995, 9:00 a.m.

Mike Scott and Jonathan Friedman of the National Biological Service will lead a field trip to cottonwood forests along ephemeral streams east of Denver. The trip will highlight the importance of infrequent, large floods in establishing riparian cottonwoods, the effects of groundwater declines on cottonwood survival, the native flora of high plains riparian forests, and the impacts of exotic plants, including Russian olive and leafy spurge. Participants will gain an understanding of how physical processes affect vegetation. This is a joint field trip with the Society of Wetland Scientists. Limit 20 people.

Meet at 9:00 a.m. Here are the directions: Take I-70 east of Denver to Tower Road (Exit 286), take Tower Road south about one mile to Colfax, east on Colfax 2 miles to Piccadilly, south on Piccadilly to its end at Highway 30, then south on Highway 30 to Quincy Avenue, east on Quincy 5 miles. Meet just beyond a creek crossing, on the south side of Quincy Avenue, at a dirt road with two steel gates and a sign saying "Recycled Materials."

To register, call Mike Scott 303-226-9475 or Jonathan Friedman 303-226-9318.

### SQUARE TOP LAKE and SILVER DOLLAR LAKE

Leader: Bob Powell

Meeting Location: Square Top Lake and Silver Dollar Lake Parking Areas

Saturday & Sunday, July 8 & 9, 1995, 8:15 a.m.

Bob Powell will lead two one-day field trips to alpine areas near Guanella Pass (south of Georgetown). Participants are welcome for one or both days. On Saturday, we will walk the trail to Square Top Lake; highlights will include fell field plants, grass meadows, and wetlands. We'll visit Silver Dollar Lake on Sunday; this trip will feature a few steep climbs, a variety of saxifrages, and grass-of Parnassus (*Parnassia*). On both days, we'll hike to the end of the trail first and then work back—to avoid thunderstorms.

Meet by 8:15 each morning so the trip can begin promptly at 8:30. Each walk will be about four miles round-trip, beginning at 8:30 a.m. and returning about 1:00 p.m., depending on weather conditions. Be prepared for alpine conditions. The parking area for Square Top Lake is on top of Guanella Pass. The parking area for Silver Dollar Lake is at the beginning of Naylor Road, just below (north of) the Guanella Pass campground. Camping is available at the Clear Lake and Guanella Pass Forest Service campgrounds on the Guanella Pass Road.

To register, call Jeff Dawson 303-722-6758 (h) or 303-740-2793 (o).



*Salix amygdaloides*  
Artist: Gary Benstrup



# FIELD TRIPS - 1995



*Juniperus communis*  
Artist: O. V. Kirkton

## SNOW MESA

Leader: Janet Coles

Meeting Location: Spring Creek Pass

Saturday, July 15, 1995, 6:30 a.m.

Snow Mesa is an alpine plateau in the shadow of the Continental Divide in the eastern San Juan Mountains. Like much of the region, Snow Mesa is composed of 20-30 million year old layers of lava and volcanic ash. What makes this area interesting is that (1) it has not been botanized, (2) it was never covered by glaciers and thus could harbor disjunct plant species stranded by the end of the latest Ice Age, and (3) it includes the largest alpine wetland complex in Colorado.

Meet at 6:30 a.m. at Spring Creek Pass, on Highway 49 between Creede and Lake City. A large number of Forest Service campgrounds are available in the area—arrival the evening before is recommended. A list of roadside rare plant localities between Denver and Creede will be available for those who have time on Friday or Sunday to do some extra botanizing.

This will be a physically challenging trip. The trail begins with a very steep climb from Spring Creek Pass (10,900 feet) to the top of the mesa (12,250 feet) in just under two miles. To reach the wetlands at the south end of the mesa is an additional three mile hike cross-country on gently sloping alpine tundra (10+ miles round-trip). Thunderstorms are a real possibility after 11:00 a.m., and may include lightning, rain, sleet or snow. Come prepared for changing weather and a long, but rewarding day.

Useful reference materials: Baldy Cinco and Slumgullion Pass 7.5' USGS topographic maps, Rio Grande National Forest map. This is also a good opportunity to try out Sue Komarek's new book, *Flora of the San Juans: A Field Guide to the Mountain Plants of Southwestern Colorado*.

To register, call Janet Coles 303-866-3203 ext. 330. Note: this trip could be cancelled on short notice if the weather is inclement; call Janet for updated information as the trip date approaches.

## UNCOMPAHGRE WILDFLOWER HIKE

Leader: Gay Austin, U.S. Forest Service

Meeting Location: See directions below

Saturday & Sunday, July 22 & 23, 1995, 8:30 a.m.

Gay Austin will lead two above-timberline hikes in the Uncompahgre Wilderness. On Saturday we will walk a moderately strenuous trail 4 miles round-trip, starting at 11,440' in elevation. On Sunday we will hike 2-3 miles up to a high alpine meadow to the southeast of Uncompahgre Mountain. The vegetation changes from a spruce-fir plant community with lush meadows of corn lily, blue bells, and Thurber fescue, to above-timberline alpine plant communities and, finally, to alpine tundra with snow willow, arctic gentians, alpine forget-me-nots, sky pilots, primrose, and others. Participants will experience a wide variety of alpine vegetation and spectacular views of Uncompahgre Peak (14,309') and other peaks over 13,000 feet.

Meet at 8:30 a.m. at the intersection of Nellie Creek Road and Engineer Pass Road. Drive about an hour (58 miles) southwest of Gunnison on Highway 149 to Lake City, then west on the Engineer Pass/Henson Creek Road approximately 5.5 miles to Nellie Creek Road (4-wheel-drive Forest Service Rd. 877).

Dispersed camp sites are available for Friday night arrivals approximately ½ mile west of Nellie Creek Road, then north .1 mile to Snowden Park near an old log cabin on BLM land. On Saturday night we will camp in dispersed camp sites near the Uncompahgre Trailhead, which is 5 miles north of Henson Creek on Nellie Creek Road, adjacent to the Uncompahgre Wilderness boundary. A 4-wheel-drive shuttle up Nellie Creek is available if requested in advance.

Plan to carry a lunch, water, and rain gear. Sturdy hiking boots and sun protection are also recommended. Nighttime temperatures are in the 30s; daytime temperatures can reach 70 to 80 degrees. Inclement weather is a real possibility. Brief excerpts on the ecology and geology of the area will be provided.

To register, call Gay Austin 303-641-6264 after 6:00 p.m. of 303-641-0471 during the day (Monday through Friday).

*Lewisia rediviva*  
Artist: Nicola Ripley





# 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. Pets are NOT 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).

## 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.

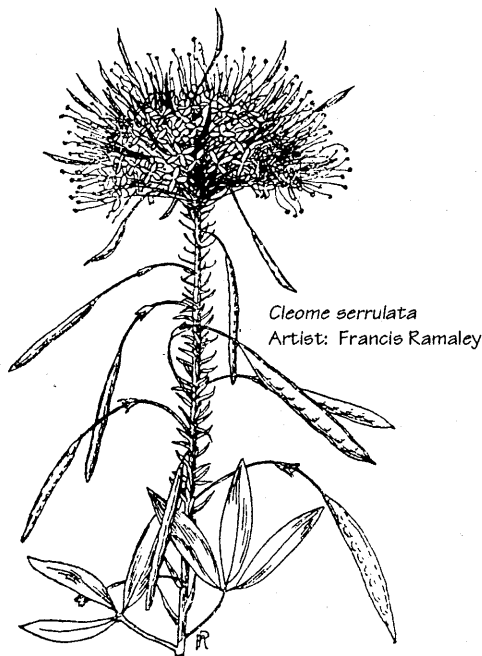
## 5. CONPS' expressed purpose is to promote appreciation and preservation of our flora. Please tread lightly.

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.



Artist:  
Gary Bentrup



*Cleome serrulata*  
Artist: Francis Ramaley



## CHAPTER NEWS

**Fort Collins Chapter**

**April 4: Old Growth Forests of the Medicine Bow National Forest**  
Judy von Ahlefeldt is an ecologist with the U.S. Forest Service in Laramie, Wyoming. Her recent work has focused on landscape and biodiversity issues on Forest Service lands.

**May 2: For "Peat's" Sake—Grow Your Petunias With Something Else!**

Jim Borland is a writer and horticulturalist. He has a special interest in Colorado peatlands and their use as a source for commercial peat. Learn what you can do to protect Colorado's precious wetland plant communities.

Monthly meetings are held at **7:00 p.m.** in the Large Conference Room at the **Headquarters for the Rocky Mountain Station/Arapaho-Roosevelt National Forest, 240 West Prospect**, unless otherwise noted. For more information call Michael Scott at 226-9475 or 490-1788. Newcomers are welcome!

**Boulder Chapter**

**April 11: Habitat Fragmentation: Insect Responses In Mixed-Grass Prairie**

Sharon Collinge is a landscape architecture graduate student at Harvard University. Her research on the effects of habitat fragmentation on mixed-grass prairie insect communities on Boulder Open Space is the topic of this program. Learn how this local research project will illuminate fragmentation and the threat it poses to grassland biodiversity.

**May 9: Spring Picnic and Wildflower Walk**

Meet at the NCAR (National Center for Atmospheric Research) parking lot at 6:00 p.m. Bring dinner and an appetite for signs of spring in the foothills flora! If the weather is inclement, call Lynn Riedel (666-6687) or Elaine Hill (494-7873) for alternate plans.

Monthly meetings are held from September through April on the **2nd Tuesday** of the month at **7:30 p.m.** at the **Foothills Nature Center, 4201 North Broadway**, unless otherwise noted. For more information call Lynn Riedel (666-6687) or Elaine Hill (494-7873). Check the *Daily Camera* or the *Colorado Daily* for changes. Bring a friend!

**Metro-Denver Chapter**

**March 22: Ecological and Evolutionary Challenges Faced By Rare Plants**

Dr. Yan Linhart is a biology professor at the University of Colorado. He will present a program on a topic yet-to-be-announced from his eclectic research interests. Morrison Center, DBG.

**April 26: Plant-Insect Interactions**

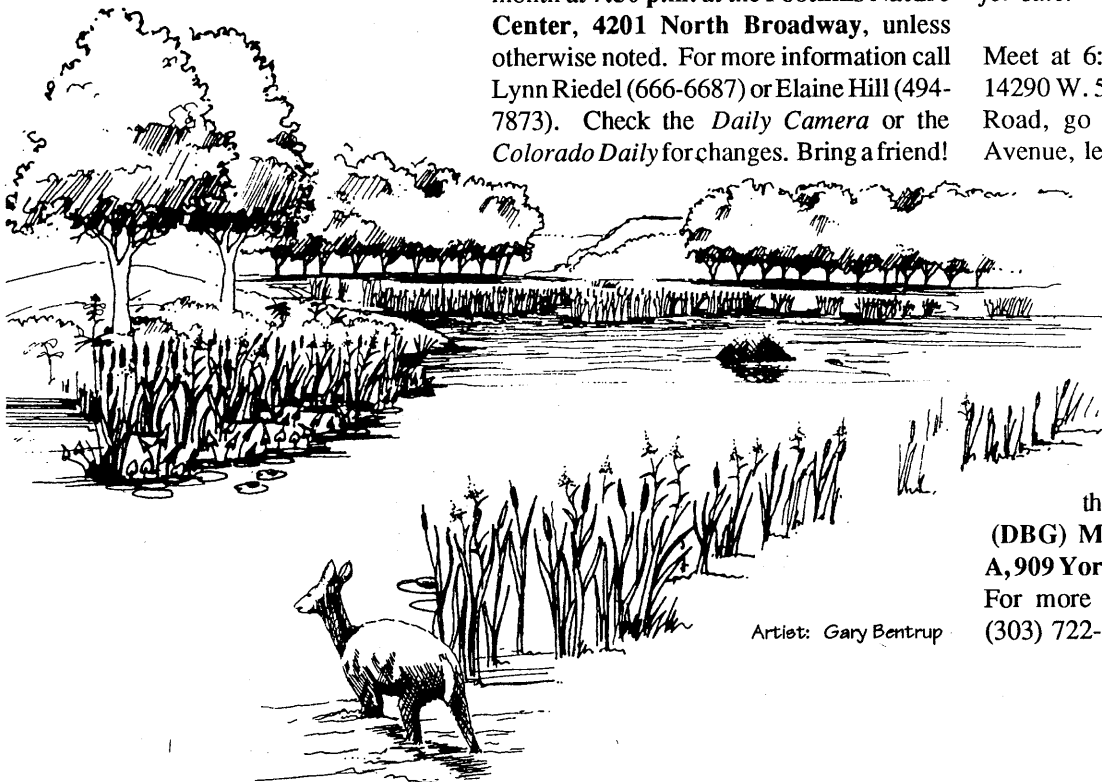
Dr. Deane Bowers, Curator of Entomology at the University of Colorado, will discuss her research on plant-insect interactions. Classroom A, DBG.

**May 17: Tour and Picnic at Sunchaser Natives**

Betsy Baldwin will lead a tour of Sunchaser Natives—specialists in native plant propagation. We will tour the greenhouse and propagation area, and then take a tour of Betsy's yard to see how the plants can be used. Afterward, we'll have a picnic in her back yard where we can enjoy great views of the mountains. *Plants will be available for sale!*

Meet at 6:30 p.m. at Sunchaser Natives, 14290 W. 54<sup>th</sup> Street. [From I-70 and Ward Road, go north on Ward Road to 52<sup>nd</sup> Avenue, left on 52<sup>nd</sup> one mile to Eldridge (first STOP sign). Go right on Eldridge to 54<sup>th</sup> (first left), go left on 54<sup>th</sup>. Sunchaser Natives is the third mail box on the left.]

Monthly meetings are held from September through May on the **4th Wednesday** of the month at **7:30 p.m.** at the **Denver Botanic Garden (DBG) Morrison Center or Classroom A, 909 York Street**, unless otherwise noted. For more information, call Jeff Dawson (303) 722-6758.



Artist: Gary Benstrup

## CHAPTER NEWS

## Southwest Chapter

**April 3: Native Landscaping In the Southwest**

Sue Komarek, local author of *Flora of the San Juans*, will present a slide show of the native species of plants used in landscaping in the southwest. Meet at 7:00 p.m. in room 125 Noble Hall, Fort Lewis College.

**May 13: McElmo Canyon Plant Walk**

Leslie Stewart and Sue Komarek will guide us through the plant communities of McElmo Canyon. Meet at 10:00 a.m. in the City Market parking lot in Cortez.

**May 28-29: Four Corners Field Trip**

The Southwest Chapter is hosting this CONPS field trip to Mesa Verde National Park. See the Field Trips section in this issue for details.

**June 10: Mesa Verde Plant Walk**

Marilyn Colyer will take us on a tour of the rare plants of Mesa Verde National Park. Meet at 9:00 a.m. in the parking lot near the entrance gate to Mesa Verde, just off Highway 160.

**July 15: Vallecito Creek Plant Walk**

Sue Komarek and Sandy Friedley will take us through the plant communities of Vallecito Creek. Meet at 9:00 a.m. at the Vallecito Creek trailhead.

**August 5: Wolf Creek Pass Plant Walk**

Dick Moseley and Charlie King will lead us through some of the high subalpine and alpine plant communities above Wolf Creek Pass. Meet at 9:30 a.m. at the FINA gas station near the intersection of Highway 160 and Piedra Road west of Pagosa Springs.

**For more information, call:**

Leslie Stewart (303) 882-7241 Dolores/Cortez  
Sandy Friedley (303) 884-9245 Bayfield/Durango  
Sara Brinton (303) 264-2268 Pagosa

All activities are listed in the Public Announcements section of local papers the week before the activity. Check for any changes in meeting place or time.

## San Juan Chapter

**April 22: Hunter Canyon Near Fruita**

Early spring flora in a south-facing canyon of the Book Cliffs, north of Fruita. We'll see *Calochortus nuttallii* (mariposa lily) with beautiful lavender flowers, *Astragalus asclepiadoides* (milkweed milkvetch), *Camissonia scapoidea*, and our only native tobacco, *Nicotiana attenuata*. Trip Leader: Jeanne Wenger (303) 858-9267.

**May 6: Delta 'Dobies Near Delta**

The unique Mancos shale adobe hills near Delta are home to a diverse array of unusual plants. *Oreocarya (Cryptantha) paradoxa* and *Eriogonum pelinophilum* are endemic to the area. Trip Leader: Evy Horn (303) 835-8391.

**June 3: Gunnison Gorge Near Olathe**

This relatively undisturbed area lies adjacent to the Black Canyon of the Gunnison. Trip Leaders: Bill Ebener and Gretchen Van Reyper (303) 835-3268.

**June 24: Chelsea Nursery, Clifton**

The Western Slope's premier native plant nursery carries many hard-to-find species. Owner Stacey Stecher will show us around (303) 434-8434.

**July 22: Crag Crest Trail, Grand Mesa**

This trail along the uppermost ridge of Grand Mesa offers alpine flora along with fantastic views. We might see *Corydalis caseana* on this trip! Trip Leader: Betty Hall (303) 241-5677.

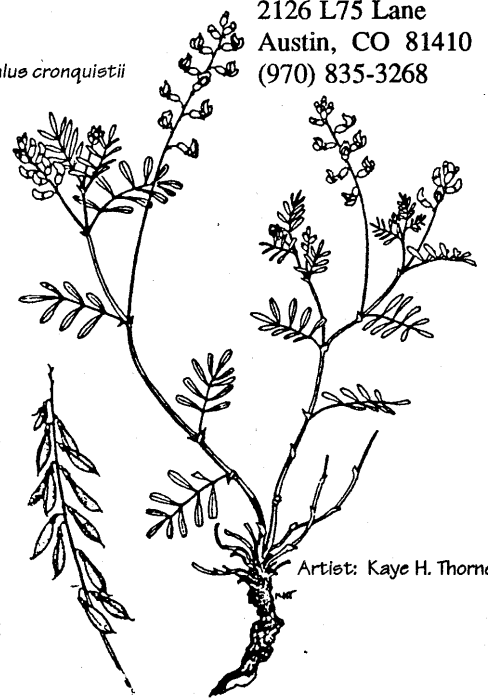
**For more information, call either the Trip Leader or Gretchen Van Reyper (303) 835-3268. Note: area code changes to (970) April 2<sup>nd</sup>.**

Plans are underway for installation of the *Delta Xeriscape Demonstration Garden* this spring. This 10,000-square-foot landscape will be at the entrance to Confluence Park, just off Highway 50 in Delta. Plans include a winding pathway through landscaped beds

containing primarily southwestern native plants. Shrubs, perennials, a few trees, and a small area of drought-tolerant lawn will be featured. This garden will give us a great way to introduce the concept of xeriscaping and uses of native plants in landscaping. Anyone wishing to become involved in this CONPS sponsored project can contact:

Gretchen Van Reyper  
2126 L75 Lane  
Austin, CO 81410  
(970) 835-3268

*Astragalus cronquistii*



Artist: Kaye H. Thorne

**"San Juan" or "Southwest" ?**

San Juan Chapter President Gretchen Van Reyper reports that the recent formation of the Southwest Chapter has sparked confusion about geographic areas covered by the two chapters. To remedy the situation, she proposes a name change for the San Juan Chapter—how about the "Uncompahgre Chapter"? The Uncompahgre Plateau is the central defining feature of the region served by the San Juan Chapter, which stretches from Gunnison to Grand Junction in the north, and south to Norwood, Telluride, and Ouray. Let Gretchen know what you think.

The Southwest Chapter serves members in Cortez, Dolores, Bayfield, Pagosa Springs, Durango, and Mancos.



# CALENDAR OVERVIEW

## 1995 FIELD TRIPS

- Apr 22** Hunter Canyon Near Fruita  
San Juan Chapter
- May 6** Delta Adobes  
San Juan Chapter
- May 6** In Search of the Dwarf Milkweed
- May 13** McElmo Canyon Plant Walk  
Southwest Chapter
- May 28-29** Endemics & More in Four Corners
- Jun 3** Green Mountain Wildflower Walk
- Jun 3** Gunnison Gorge Near Olathe  
San Juan Chapter
- Jun 10** Mesa Verde Plant Walk  
Southwest Chapter
- Jun 24** High Plains Riparian Plant Communities
- Jun 24** Chelsea Nursery, Clifton  
San Juan Chapter
- Jul 8-9** Square Top & Silver Dollar Lakes
- Jul 15** Snow Mesa
- Jul 15** Vallecito Creek Plant Walk  
Southwest Chapter
- Jul 22** Crag Crest Trail, Grand Mesa  
San Juan Chapter

- Jul 22-23** Uncompahgre Wildflower Hike
- Aug 5** Wolf Creek Pass Plant Walk  
Southwest Chapter
- Sep 2-3** Purgatory Canyon Dinosaur Trackway  
& Bent's Fort

## CHAPTER MEETINGS

### Boulder Chapter

- Apr 11** Habitat Fragmentation In Mixed-  
Grass Prairie

- May 9** Spring Picnic and Wildflower Walk

### Fort Collins Chapter

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For "Peat's" Sake

### Metro-Denver Chapter

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- Apr 26** Plant-Insect Interactions

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### Southwest Chapter

- Apr 3** Native Landscaping in the Southwest



**Colorado Native Plant Society**  
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Fort Collins, Colorado 80522

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