

# Aquilegia

Newsletter of the Colorado Native Plant Society



“... dedicated to the appreciation and conservation of the Colorado native flora”

**Volume 28 Number 2**                      **FIELD TRIP EDITION**                      **March - April 2004**

### **Tamarix Elimination & Reseeding Project at Old Fort Bent**

**Date: Saturday, April 24**

**Trip Leader: Dexter Hess**

The results of 10 years of *Tamarix* (salt cedar) control at the Old Fort Bent will be the major thrust of this field trip. The trip will include a visit to a greenhouse to see the results of an on-going reseeding program using native plant seeds collected locally and used to reseed the impacted areas. Park personnel are participating in the field trip. Meet at the main entrance to Bent's Old Fort, National Historic Site, on Highway 194, seven miles east of La Junta, Colorado. Contact Dexter Hess, 719-384-2464 or email [windfieldbio@centurytel.net](mailto:windfieldbio@centurytel.net) for more information and to **register for the trip by April 20.**

### **Rattlesnake Arches**

**Date: Saturday, April 24**

**Trip Leader: Jeanne Wenger**

This trip will involve carpooling and travel by four-wheel drive to the trailhead in Colorado Canyons National Conservation Area. We will see half a dozen members of the family Apiaceae including perhaps the best example of *Lomatium latilobum* in Colorado. The hike will be moderately strenuous, approximately 5 miles long, and we'll see the greatest concentration of arches outside of Arches National Park. Contact Jeanne, 970-256-9227 or email [stweandjaw@acsol.net](mailto:stweandjaw@acsol.net)

### **Mediterranean Sage Weed Pull**

**Date: Saturday, May 8**

**Trip Leader: Volunteers for Outdoor Colorado (VOC)**

Join CONPS members and other civic-minded citizens for a day of work and fun on the prairie!! For several years, local, state and federal agencies have worked cooperatively with private landowners in Boulder County to manage the only known population of Mediterranean sage in Colorado. This invasive plant aggressively invades native plant communities, degrading wildlife habitat and threatening the ecological health of Colorado's prairie grasslands. With the help of 500 volunteers, Volunteers for Outdoor Colorado and Wildlands Restoration Volunteers will help to eradicate this damaging non-native plant

from our state before it spreads beyond control. Volunteers will spend the day walking through beautiful prairie grasslands north-east of Boulder, shovel in hand, popping Mediterranean sage from the prairie. To register, go on-line at [www.voc.org](http://www.voc.org) and select Boulder Prairie Restoration.

### **Beginner Wildflower Identification**

**Date: Sunday, May 23, 9 am - 1 pm**

**Trip Leader: Sue Kamal**

Come learn to key wildflowers in this outdoor classroom. The field trip is intended for those who do not know how to use a key and would like to learn. Janet Wingate's *Rocky Mountain Flower Finder*, an easy non-intimidating key, will be used. Bring your own copy or you may purchase one on site for around \$10. Bring other keys as you wish. A hand lens is helpful, but not required, and may be purchased on site. Please wear sturdy hiking shoes, and bring water, lunch, a hat, sunscreen and raingear. Meet at the Flatirons Vista Trailhead, south of Boulder on the west side of Hwy 93, 0.3 mile south of Hwy 128. Contact Sue Kamal, [Sue.Kamal@unco.edu](mailto:Sue.Kamal@unco.edu) or 970-351-1512 to register. Limit 15.

### **Ute Trail, Gunnison Gorge**

**Annual West Slope Field Trip & Board Meeting**

**Date: Saturday, May 29 and Sunday May 30**

**Trip Leader: Gretchen Van Reyper**

Explore a variety of spring flora in this unique area. The Ute trail was historically one of the main routes used by the Ute tribe. It is

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a moderate hike of 4.5 miles dropping 1200 feet into the Gunnison River Gorge. There are plenty of composites, mustards, buckwheats and other interesting flora along this route. Contact Gretchen at 970-835-3268 for registration and information.

**Life of the Butterflies and How They Affect Native Plants in the Montane Life Zone****Date: Saturday, June 5, 8:30 am - 3:00 pm****Trip Leader: Jan Chu**

Meet at the Safeway store at 28th and Iris in Boulder. From there we will travel to the Cal-Wood Educational Center near Jamestown. Bring appropriate gear for hiking around in this zone including rain gear and good footwear. Montane, ponds and grassland sites will be visited. **Register for this trip by June 1.** For more information, contact Jan at 303-666-4149 or e-mail [chuffy22@msn.com](mailto:chuffy22@msn.com).

**Early Summer Flowers at Roxborough State Park****Date: Saturday, June 12, 8:30 am - Noon****Trip Leader: Vickey Trammell**

Meet at 8:30 on the patio in front of the Roxborough State Park Visitor Center. Bring water, hat, sunscreen, and your favorite flower book. Dress for the weather and for possible Jurassic mud. **A \$5.00 Day Pass is required** for every car entering the park, unless you have an annual State Park pass. Purchase the day pass at the gate. No dogs are allowed in the park. To register call Vickey Trammell, 303-795-5843 or [jrtrambo@aol.com](mailto:jrtrambo@aol.com). **Register by Saturday June 11 at 9pm.**

**Uncompahgre Plateau Pinyon-Juniper Treatment Tour****Date: Sunday, June 13****Trip Leader: Gretchen Van Reyper**

Come and see what this restoration initiative is all about. This tour will look at roller-chop treatments of various ages in pinyon-juniper and sagebrush areas outside of Montrose. These treatments were done to thin woody vegetation and increase the abundance and diversity of herbaceous species. Come and explore the effectiveness of the treatments and look at revegetation progress in areas treated from two to five years ago. BLM monitoring results will be available and monitoring protocol can be discussed. Over the next ten years, more of these treatments will be implemented on the Plateau as part of the Uncompahgre Project. Contact Gretchen, 970-835-3268 or email [gretchv@juno.com](mailto:gretchv@juno.com)

**Those Hardy Plants of Cherry Creek State Park****Date: Saturday, June 19, 9 AM****Trip Leader: Raylene Owen**

Cherry Creek State Park has the highest usage of all of our state parks. The plants there must be tough to withstand the pressure. Biology teacher emeritus Raylene Owen will guide a tour of the flora of the Cherry Creek Basin with an emphasis on weeds. Copies of *Weeds of the West* will be available for purchase. This will be a walking tour of both the riparian and short grass prairie ecosystems. Meet at 9:00 AM at the Twelve Mile House Pavilion. We will return to the picnic pavilion at noon for lunch and a chance to test your identification skills. (Directions to the Pavilion: Enter the park at the east entrance at Parker Road and

Lehigh. If you do not have a regular park pass, bring your copy of *Aquilegia* for free admission. Follow the road west and take the next two left hand turns; you will be going south. The Pavilion is on your left just before the road makes an abrupt turn to the west. Contact Raylene at 303-755-2981 or [RayleneOwen@aol.com](mailto:RayleneOwen@aol.com) to register and for more information.

**Taylor Pass Alpine Hike****Date: Saturday, July 10****Trip Leader: Gay Austin**

This field trip will explore alpine plant communities on the top of Taylor Pass (12,000 ft. elevation). We'll look at the area set aside by the White River National Forest for a Botanical Special Interest Area and the area being considered for the same designation by the Grand Mesa, Uncompahgre and Gunnison National Forests. Access will be from the Aspen side. Call Gay Austin for registration and more information concerning the meeting site, 970-641-6264, [austinaceae@frontier.net](mailto:austinaceae@frontier.net).

**Sub-Alpine and Alpine Hike on Mount Evans****Date: Saturday, July 10****Trip Leader: Larry Lindauer**

Join with us on a 1.5 mile hike through the Mount Goliath Natural Area and the adjoining sub-alpine forest and tundra on Mount Evans. Dress appropriately and be prepared to help identify the sub-alpine and tundra plants found in the area. **Sign up by July 7**, 303-697-9101 or e-mail [larrylindauer@edisnet.net](mailto:larrylindauer@edisnet.net).

**Grasses of the Pawnee Butte Region****Date: Saturday, July 17****Trip Leader: Ivo Lindauer**

Emphasis on this field trip will be to identify grasses of the short grass prairie and of a relic grass community of mid-grass prairie species. Bring your grass key and a hand lens if available. Be prepared for about a two-mile hike. Wear good hiking shoes or boots (many cactus on the hike), sunscreen, water, lunch, and field glasses if you desire to observe birds on the hike. Meet at the Crow Valley Camp Ground in Briggsdale, Colorado at 8:30 am. We will carpool to the Pawnee Buttes. Contact Ivo at 970-285-1112 or e-mail [ivo38@aol.com](mailto:ivo38@aol.com). **Register by July 10** for the field trip.

**Mandall Pass in the Flat Tops****Date: Sunday, July 18****Trip Leader: Karen Vail or Jeanne Wenger**

If you've never been to the Flat Tops, it's like nothing else you've ever seen. The Mandall Lakes area is definitely one of the magical places. The hike into Mandall Pass is long and fairly strenuous (4 miles to the pass with 2000 foot elevation gain), but the *Hymenoxys*, *Polemonium viscosissimum*, *Silene acaulis* and many other alpiners are rampant. The lower part of the trail is moderate, heading up through some gorgeous meadows into the phenomenal bowl. It gets steep right before Mandall Lakes, about 3 miles in, then is a steady climb to the end of the bowl, and a hefty climb up to the pass. Contact Karen Vail (970-870-9565 [karenvail@springsips.com](mailto:karenvail@springsips.com)) or Jeanne Wenger (970-256-9221 [stweandjaw@acsol.net](mailto:stweandjaw@acsol.net)).

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## Progress on The Southern Rocky Mountain Interactive Flora (SRMIF) Project

Jeff Brasher

University of Northern Colorado

jeff.brasher@sbcglobal.net

Ever struggled for hours to identify an unknown species of *Astragalus*? We hope to make identification of *Astragalus* and everything else much easier with the **Southern Rocky Mountain Interactive Flora (SRMIF)**. Last year CONPS supplied funding for my work on this project from the John Marr Fund. The purpose of this report is to summarize progress to date.

**SRMIF** ("sir-miff") will be a full-service, user-friendly, interactive key, available online for free. It will be usable on essentially any computer, including at least some hand-held computers (PDAs). It will employ Lucid™ software (CBIT 2003 onwards; <http://lucidcentral.com>) and be a modern synthesis of the vascular plant flora (3278 species; Snow & Brasher 2004) of the Southern Rocky Mountain Region (SRMR) ("sir-mir") based on the literature and herbarium specimens (see also Brasher & Snow 2002 onwards; <http://asstudents.unco.edu/students/lucid/>).

Construction of the key itself is proceeding in four partially concurrent phases.

**Phase I** is a Key to families, and was first posted as the "Colorado Interactive Flora, Phase I: Key to the families" (Brasher & Snow 2002). It was later revised, expanded, and reposted as the "Southern Rocky Mountain Interactive Flora (SRMIF)" (Brasher & Snow 2003). The SRMIF website has received over 930 hits since inception in 2002. The family-level key data currently is being refined based on user feedback.

**Phase II**, the Key to genera, is currently in progress. I am now preparing a mixed-rank key to 1) families, 2) most genera, and 3) selected species. This will include a relatively complete treatment for one family (probably Ericaceae or Pinaceae), which will include images, geographic distribution, and other add-on information as an example of what the completed (Phase IV)

SRMIF will look like. Thus far about 99% of the initial set of characters have been scored in the data matrix. When completed, I will assess the adequacy of the initial character set with Lucid's "Score Analyzer", then add characters as needed. Genera not to be included in this release are those of families to be covered by several collaborators. The target for the next posting is April 2004.

**Phase III:** Key to species. Keys to species for a handful of families (Betulaceae, Boraginaceae, Cannabaceae, Ericaceae, Oxalidaceae, Pinaceae, Tamaricaceae, and Ulmaceae) have been partially prepared and some may be included with the upcoming release.

**Phase IV:** Add-on information includes images of plants and character states, geographic distribution of species, other information about the species, links to an interactive on-line glossary of botanical terms, etc. Images of plants have been gathered from various botanists, corresponding to perhaps 50% (thus far) of SRMIF species. In May-June of 2003 support from the Marr Fund was used to support fieldwork, in which hundreds of vouchered digital images were taken of plants from the Colorado Front Range, the High Plains of New Mexico, and especially the West Slope of Colorado. Additional fieldwork to secure additional digital images is planned for coming months.

A lot of groundwork had to be laid in the past few years to facilitate progress on Phases I-IV. This has been facilitated by financial support from CONPS, the University of Northern Colorado, and the National Science Foundation (for SRMIF, as well as databasing and georeferencing SRMR specimens). Considerable progress has been made in developing the UNC herbarium over the past five years. 2003 was particularly active, with many specimens being acquired, mounted, and moved to their positions in our current classifica-

tion (Snow & Brasher 2004). A reference collection of authoritatively identified specimens from the SRMR now contains approximately 1800 species and is continually being expanded. SRMR specimens at UNC are being separated from other specimens and placed into different colored folders. The databasing of specimens at UNC and collaborating institutions (CSU, CU-Boulder, Univ. of Wyoming), which will feed into Phase IV, has also begun. Aaron Reeves at CSU developed the database management system being used at UNC, which combines SuSE Linux with MySQL. (Thank you, Aaron!) Bill Jennings has been supported by the NSF grant to visit UNC and authoritatively annotate many specimens. Snow, myself, and others have identified many more specimens.

Additional required informational infrastructure has been assembled. This includes new 3-letter family acronyms (Brasher & Snow 2004 in press) to update a system initially developed by Dr. Weber at CU. Also now completed is the "Provisional Checklist for the Southern Rocky Mountain Intermountain Flora (SRMIF)" (Snow & Brasher 2004; <http://www.unco.edu/biology/herbarium/SRMIF>). The Checklist presently includes 135 families, 830 genera, 3278 species, and 3752 total terminal taxa to be treated in the interactive key. The project thus far also has revealed or confirmed state records for *Physaria brassicoides*, *Eichhornia crassipes*, and *Pistia stratiotes* (Snow et al. in review). A large amount of pertinent taxonomic literature has been gathered from UNC libraries, reprint requests, and interlibrary loans.

**Current and Future Efforts.** Other contributors to the interactive key will contribute data for families sometime this year: Snow (Poaceae), Ron Hartman (Apiaceae, Caryophyllaceae), Mark Simmons (Celastraceae, Euphorbiaceae),

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Monique McHenry & Tom Ranker (ferns and fern allies), and possibly other collaborators. This summer Snow will create an interactive key of 200 species targeted specifically for schoolteachers in the SRMR, which is a component of the NSF funding.

I am also currently serving as a beta-tester for the spiffy new Version 3 of Lucid Professional software (CBIT 2003 onwards), which plans to be released later this year. Hopefully Lucid 3 will be released before the upcoming next posting of the SRMIF. The current unreleased version of SRMIF (using the beta-test version of Lucid 3) is already earning its salt at GREE by speeding the process of identifying specimens. This August, I will give a summary of progress at Botany2004, the annual national botany conference at Snowbird, Utah. Either Snow or I will give a talk on the project at the CONPS annual meeting in Steamboat Springs in September 2004.

Additional contributions of images of SRMR plants (slides, prints, or digital) would be very much welcomed (Neil.Snow@unco.edu). Reprints of taxonomic literature pertaining to the SRMR are likewise welcome. Feedback on performance of current and future releases of the key is here solicited (sent to Brasher or Snow).

**Acknowledgements**

Many individuals and organizations have contributed directly or indirectly to this project. These include N. Snow, who has initiated and is orchestrating the SRMIF; NSF and Co-P.I.s for the NSF grant (DBI-0237149): R. P. Guralnick, R. Hartman, M. Simmons, N. Snow, T. Ranker. Other workers on the grant include J. Ackerfield, T. Hogan, N. Lederer, M. McHenry, E. Nelson, A. Reeves. Help with Lucid has been provided by D. Sharp & the Lucid Development Team. Bill Jennings, Don Hazlett, and Bob King have annotated specimens at UNC as part of the interactive key project. A more complete set of acknowledgements is included in Snow and Brasher (2004).

**Literature Cited**

Brasher, J. W. & N. Snow. 2002, Aug. 30. Colorado Interactive Flora, Phase I: Key to the families. Online interactive key. (<http://asstudents.unco.edu/students/lucid/>). University of Northern Colorado, Greeley.

Brasher, J. W. & N. Snow. 2003, Sept. 24. Southern Rocky Mountain Interactive Flora (SRMIF). Phase I: Key to Families. Online interactive key. (<http://asstudents.unco.edu/students/lucid/>). University of Northern Colorado, Greeley.

Brasher, J. W. & N. Snow. 2004 (in press). Further updates to Weber's three-letter family acronym system. Taxon 53.

CBIT (Centre for Biological Information Technology). 2003 onwards. Lucidcentral.com: identification and diagnostic tools (<http://lucidcentral.com>). University of Queensland, Brisbane, Australia.



Mediterranean Sage  
Illustrated by Mary Bonnell,  
used with permission from  
Colorado State Parks

<http://www.unco.edu/biology/herbarium/SRMIF/SRMIFChecklistFeb04.pdf>

**"Field Trips" continued from page 2**

**Seventh Annual Middle St Vrain Weed Survey**

**Date: Saturday, August 28**

**Leader: Pat Butler**

In partnership with the USFS and Colorado Mountain Club, we will hike approx. 6 miles (and about 1500 feet elevation gain) into the Middle St Vrain Creek drainage in the Indian Peaks Wilderness to monitor and pull several stands of Canada thistle (*Brea arvensis*) and yellow toadflax (*Linaria vulgaris*) and look for new infestations. People interested in pulling thistle around the Camp Dick parking areas without hiking should also contact Pat. To register and receive more information, call Pat Butler at 303-440-0586.

**2004 Annual Meeting**

**Disturbance in Natural Ecosystems  
September 18-19, Steamboat Springs**

**Saturday morning** - Talks on beetle and fire impacts, the Routt blowdown, grasshopper epidemics, increased fuel load and fire, and wildlife and fire.

**Saturday afternoon** - Field trip to the Routt Divide Blowdown, the Zirkel Complex Fire, and the beetle damage. Box lunches will be available.

**Saturday evening** - Dinner at Steamboat Lake Outfitters, a beautiful spot by Steamboat Lake.

**Sunday morning** - Southern Rocky Mountain Interactive Flora project. The meeting will end by noon.

Hotel rates from \$59 - \$89, KOA and Forest Service campgrounds nearby.

**Details in later issues.**

Snow, N. & J. W. Brasher. 2004. Provisional Checklist of Vascular Plants for the Southern Rocky Mountain Interactive Flora (SRMIF). ([www.unco.edu/biology/herbarium/SRMIF](http://www.unco.edu/biology/herbarium/SRMIF)). University of Northern Colorado, Greeley.

Snow, N., J. W. Brasher, R. Wallace, J. Grasser, & W. F. Jennings. In review. Noteworthy Collections for Colorado: *Eichhornia crassipes*, *Pistia stratiotes*, and *Physaria brassicoides*. Madroño.

**NOTE:** The Provisional Checklist of Vascular Plants for the Southern Rocky Mountain Interactive Flora (SRMIF) can be downloaded from the University of Northern Colorado Herbarium website at

## Announcements

### LORAIN YEATTS HONORED

In January, the Rocky Mountain Chapter of the North American Rock Garden Society (NARGS) presented Loraine Yeatts with the T. Paul Maslin Award, the Chapter's highest honor, in recognition of her extraordinary contributions to rock gardening in the Rocky Mountain West. She has been active in the Chapter since 1986. She wrote a chapter in the landmark book *Rocky Mountain Alpines*. Soon she was invited to speak to several NARGS chapters and then to 13 chapters of the Alpine Garden Society in England. Loraine is active in the Denver Botanic Gardens Herbarium, and led their team during several summers on a major plant inventory for Rocky Mountain National Park, which she later described in interesting lectures. She also co-authored the *Alpine Plant Finder* field handbook. When the Rocky Mountain Chapter agreed to host the July 2003 NARGS conference, Loraine managed an intensive training program in plant identification to develop field trip guides. She recruited over 50 trainees and set up training hikes for two summers, followed by winter botanical seminars. During the conference, registrants were inspired by her boundless enthusiasm and honored her by acclaiming the knowledge of her guides.

### AWARD NOMINATIONS SOLICITED

This is the time to nominate fellow botanists, CONPS members and plant enthusiasts for outstanding contributions to the mission of the Colorado Native Plant Society. Awards will be presented at the annual meeting in September. Please review the awards below and submit your nominations to CONPS President Jill Handwerk, PO Box 200, Ft. Collins, CO 80522. Nominations may be made at the chapter or state level and will be approved by the Board of Directors.

#### **Non-members**

*Special Merit Award* - for short-term contributions to Colorado botany and/or significant contributions to the Society's goals.

#### **Members and Non-members**

*Recognition Gifts* - for a one-time service to the Society and/or as an outreach tool.

*Certificate of Appreciation* - for occasional services to the Society.

*Lifetime Achievement Award* - in recognition of long-term (30+ years) contributions to Colorado botany.

#### **Members**

*Certificate of Merit* - for a significant contribution to the Society in a short period of time (less than five years).

*Honorary Lifetime Membership* - for long-term (generally over ten years) high quality service to the Society.

### AQUILEGIA DEADLINE - MAY 25

Submit contributions for Vol. 28, No. 3 by May 25, 2004. Articles less than 1000 words are especially welcome. Previously published articles submitted for reprinting require permission. Submit via e-mail or on disks as an MS Word or rtf document. See page 7 for additional information.

### BOOK SALES UPDATE

The *Flora of North America* volumes have finally arrived. There is a significant price increase due to publisher pricing and a drastic reduction in our discount. The new prices are

Vols. 2, 3, 4, 22 - \$89.00, plus \$3.25 postage,

Vols. 23, 25, 26 - \$109.00, plus \$4.00 postage.

When our current supply of Vols. 2, 3, 4 and 22 is sold, the prices will rise to \$109.00, plus \$3.25 postage.

### LEARNING OPPORTUNITIES

#### **Denver Botanic Gardens**

##### **Colorado Native Plants and Ecosystems**

Come learn the amazing diversity of plant and animal life that co-exist within Colorado's variety of ecosystems and how to identify each community by physical appearance and other site characteristics. To register, call DBG Education Dept., 720-865-3580.

Instructor: Sheridan Samano

Course: #GC 106

Time: Mondays April 26, May 3, 10, 17, 6-8 p.m.

Field trip: Saturday, May 15, 9 a.m.-3 p.m.

Fee: \$169 member (CONPS members also), \$206 nonmember

#### **Native Orchid Monitoring**

The DBG Partners for Colorado's Native Plants needs volunteers who can help monitor five of Colorado's rare native orchids. Training sessions will be in April and May, with site visits in June and July. Please call or e-mail Denise Wilson, 303-642-0510 or [denisewil@aol.com](mailto:denisewil@aol.com).



*Spiranthes romanzoffiana*  
hooded ladies'-tresses

Britton, N.L., and A. Brown.  
1913. Illustrated flora of the  
northern states and Canada. @  
PLANTS

#### **Colorado Mountain Club**

Join the CMC on a field trip to Chihuahua Gulch, over Loveland Pass near Keystone, an area with a great deal of natural beauty and mining history. It is a wetlands environment so expect an abundance of columbines, king's crown, queen's crown and possibly orchids. To register, contact Ron Bice, 303-427-6323.

#### **Colorado Trail Foundation**

CONPS member Dick Mosely will teach two classes (July 18-24 and July 25-31) on wildflower identification which will include daily field trips in the vicinity of the CTF facility in the San Juans. For information and to register contact Charlotte Briber, 303-526-0809 or [gudyct@ecentral.com](mailto:gudyct@ecentral.com).

### SPACE AVAILABLE

There are still openings in the **Gardening in Colorado** workshop, May 22 and 23. Contact Mignon Macias for registration, [mignonm@mindspring.com](mailto:mignonm@mindspring.com).

## CHAPTER NEWS

### Boulder Chapter

Monthly chapter meetings are the on the second Thursday of the month at 7 PM at the City of Boulder Open Space and Mountain Parks offices in the north building conference room, 66 South Cherryvale Road. From South Boulder Road, go south on Cherryvale 1/10 mile and turn west onto a lane to the offices. Contact Tommi Scanes, scanesclan@comcast.net or 303-682-1208.

**March 11 Growing Natives in the Garden.** Mikl Brawner, owner of Harlequin's Gardens, a Boulder nursery specializing in natives and Colorado-adapted perennials and shrubs, will discuss uses of some of his favorite natives in the dry garden.

**April 8 Rediscovering and Restoring the North American Prairie.** Stephen Jones and Carol Cushman, authors of *The Peterson Field Guide to the North American Prairie*, will present an overview of the status of the prairie, including profiles of outstanding prairie preserves from Colorado to Illinois and Manitoba to Texas. Copies of the book will be available.

**May 8 Mediterranean Sage Weed Dig.** Hold this date in your calendar! Organizers hope to recruit 500 volunteers to dig Mediterranean sage, a "List A" noxious weed. Breakfast before, a party after, instructions/guidance and tools will all be provided.

**June 10 Annual Picnic and Hike.** Location - Rangeview Trail.

### Fort Collins Chapter

Monthly meetings are scheduled October through April at 7:00 PM. The March and April meetings will be in the new facilities at the Gardens at Spring Creek on Centre Avenue in Fort Collins. Join us for dinner with the speaker prior to meetings. Check monthly calendar for location. Contact Chapter President Annette Miller, 970-495-3240 or almliller@lamar.colostate.edu.

**March 2 Rare Plants of Boulder County and Overlap into Larimer County.** Ann Armstrong. Dinner with the speaker at 5:15 PM, Coopersmiths, Mountain Ave., Old Town, Fort Collins.

**April 6 Landscaping with Native Plants.** Jim Borland. Dinner with the speaker at 5:15 PM, Coopersmiths, Mountain Ave., Old Town, Fort Collins.

### Metro-Denver Chapter

Monthly meetings are held September through April at 7 PM in the Waring House at the Denver Botanic Garden. The Waring House is the mansion just south of the main entrance on York Street. To enter, head south on York past the Gardens main entrance. Make an immediate right into parking lot that says "Staff Parking." For more information, contact Chapter President Rita Berberian at rberberian@hotmail.com or 303 513-0591. Prior to the meeting at 5:30 PM, members are invited to join speakers for pizza at Angelo's, 620 East 6th Ave (between Pearl and Washington) in Denver.

**March 23 26 Years of Plant Conservation at the Colorado Natural Areas Program.** Ron West, CNAP Program Manager.

**April 27 Song of the Alpine.** Joyce Gellhorn, author.

**May Picnic and Hike.** Date and Location TBA

**July Garden Tour.** Details TBA

### Plateau Chapter

Chapter activities are scheduled throughout the year. For more information, contact Chapter President Jeanne Wenger at 970-256-9227, stweandjaw@acsol.net or Program Chair Lori Brummer at 970-641-3561, lbrummer@gunnison.com.

**West Slope workshops and field trips** will be posted on the CONPS website ([www.conps.org](http://www.conps.org)).

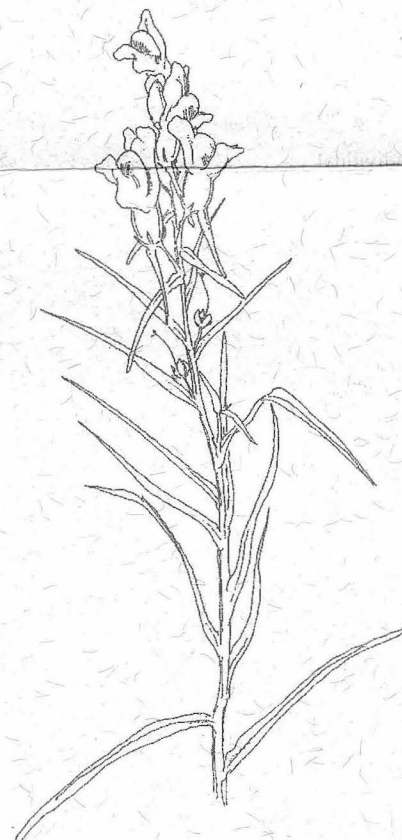
### Southeast Chapter

Activities are scheduled throughout the year. Meeting and field trip information is available from Doris Drisgill, Ddrisgill@cs.com, 719-578-1091, or George Cameron, gpcameron@juno.com, 719-634-4431.

**April 6 Meeting at 7 PM at Beidleman Environmental Center, on Caramillo St., just north of Uintah and off Chestnut.**

### Southwest Chapter

For news and activities, contact Chapter President Sandy Friedley at 970-884-9245 or by e-mail at [friedley@frontier.net](mailto:friedley@frontier.net).



Yellow Toadflax - *Linaria vulgaris*  
*Caring for the Land Series*, Vol. IV, March 2000

### Aquilegia via Email

*Aquilegia* is available via email. Send your email address to Eric Lane, [eric.lane@ag.state.co.us](mailto:eric.lane@ag.state.co.us), or Alice Guthrie, [molly82@earthlink.net](mailto:molly82@earthlink.net).



Colorado Native Plant Society

Aquilegia

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 or Corporate ...\$30
Family or Dual ...\$20
Individual ...\$15
Student or Senior ...\$8

Membership Renewal/Information

Please direct all membership applications, renewals, and address changes to the Eric Lane (Chair of Membership), 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 is published four or more 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. Articles for Aquilegia may be used by other native plant societies or non-profit groups, if fully cited to author and attributed to Aquilegia.

Articles not exceeding 2000 words in length and shorter items fewer than 500 words in length, such as unusual information about a plant, are especially welcome. Previously published articles submitted for reprinting require permission. Camera-ready line art or other illustrations are also solicited. Please include author's name and address, although anonymity may be requested. Articles submitted via e-mail or on disks (IBM preferably) are appreciated. Please indicate word processing software and version; if possible, submit as an RTF (rich text format) file.

Please direct all contributions to the newsletter to:

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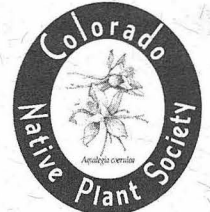
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Chapter: Boulder Fort Collins Metro Denver Plateau Southeast Southwest

In addition to my membership, I have included \$ as a contribution to the John Marr Fund (endowment in support of small grants-in-aid of research), \$ as a contribution to the Myrna P. Steinkamp Memorial Fund (endowment in support of small grants-in-aid of research), or \$ as a general contribution to the Society.

CONPS IS A NON-PROFIT ORGANIZATION — DUES AND CONTRIBUTIONS ARE TAX-DEDUCTIBLE



# CALENDAR - 2004

## CHAPTER EVENTS

- Boulder Chapter
- March 11 Growing Natives in the Garden
- April 8 Rediscovering and Restoring the North American Prairie
- May 8 Mediterranean Sage Weed Dig
- June 10 Annual Picnic and Hike
- Fort Collins Chapter**
- March 2 Rare Plants of Boulder County and Overlap into Larimer County
- April 6 Landscaping with Native Plants
- Metro-Denver Chapter**
- March 23 26 Years of Plant Conservation at the Colorado Natural Areas Program
- April 27 Song of the Alpine
- May Picnic and Hike
- July Garden Tour

## SOCIETY EVENTS

- Dec. 6, 7 Beginner Archaeobotany
- Jan. 10, 11 Asteraceae Tribes
- Feb. 7, 8 Sedges of Colorado
- March 20, 21 Native Orchids of Colorado
- April 17, 18 Ferns of Colorado
- May 22, 23 Gardening in Colorado

## WORKSHOPS

## BOARD MEETINGS

- November 15 Longmont Public Library
- January 24 Longmont Public Safety Building
- February 28 Longmont Public Library
- April 3 Longmont Public Library
- May 30 West Slope

## ANNUAL MEETING

- Sept. 18-19 Steamboat Springs, CO

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Colorado Native Plant Society



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