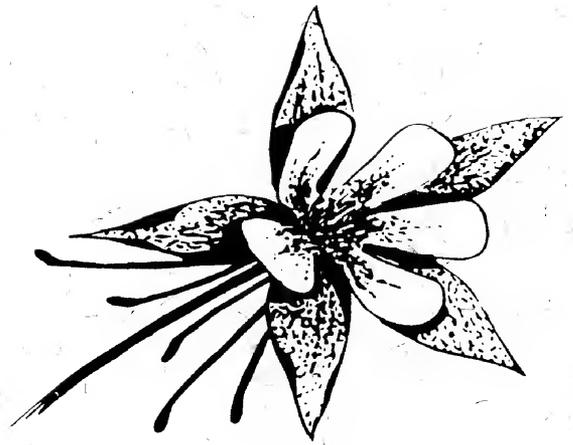


Aquilegia



Newsletter of the Colorado Native Plant Society

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

Volume 24 Number 4

WORKSHOP EDITION

July—October 2000

2000 - 2001 Colorado Native Plant Society Workshop Program CoNPS Workshop Committee, Bill Jennings Chair

The Colorado Native Plant Society is proud to present the schedule for workshops to be held on the East Slope. Gay Austin is organizing a suite of workshops to be held on the West Slope, so be sure to check future issues of *Aquilegia* for those events. For 17 seasons, workshops have brought native plant lovers together with a well-informed instructor who may have herbarium specimens, live plants, photographs, keys for plant identification, and other materials available for hands-on study. The opportunity to receive one-on-one instruction and informative lectures has made the workshop series one of the most popular Society programs. Attendees need no special skills or background; a love of plants and a desire to learn are the only prerequisites. There are no exams, grades, or homework; and working together is encouraged. The goal is to demystify plant identification and to enhance in all of us our enjoyment and understanding of Colorado's native flora. All East Slope workshops described below are one-day only, usually from 9 AM to 3 PM. If multiple sessions have been scheduled, the same material will be presented during each session for different groups of attendees.

To ensure that all members have an equal opportunity to attend the following workshops, **registration will be accepted beginning September 27, 2000**. To register for East Slope workshops, please call (303) 665-6903 and leave a message on the answering machine. You may also register by mail: write Bill Jennings, P.O. Box 952, Louisville, CO 80027. Whichever way you register, be sure to provide your name, address, telephone number (including area code!), and those workshops you wish to attend. If multiple sessions are scheduled, be sure to indicate preference. Saturday sessions usually fill first. Receipt of your registration request will be acknowledged within a few days.

About 10 days prior to the workshop, registrants will receive notice by mail regarding location, time, lunch, references, and supplies, as well as a list of other registrants to encourage carpooling. The fee for each workshop is \$12 for CoNPS members and \$24 for non-members (\$12 workshop and \$12 to join the Society). Members of the native plant societies of neighboring

states are considered members of CoNPS for purposes of workshop registration. Payment is made on the day of the workshop.

Workshops have been very popular in the past, with multiple sessions frequently scheduled to meet demand, or with long waiting lists for those seats available. However, no-shows have been a problem. There are only so many seats available in the classrooms and teaching laboratories where these workshops are held, and we are holding a seat for you. If you find that you CANNOT attend a workshop for which you are registered, please call and cancel your registration as soon as possible!

It takes considerable time and effort for instructors to plan and develop workshops and field trips. Please let us know how you like the activities offered by CoNPS. We need your suggestions for future workshops and field trips. We appreciate feedback on whether you find them informative and exciting, or dull and uninteresting.

HOW TO KNOW THE FAMILIES

Leader: Dr. Thomas Ranker

Location: Ramaley Building C-231, CU-Boulder

First session: Saturday, November 4, 2000

Second session: Sunday, November 5, 2000

“How to Know the Families” is a much requested topic from new Native Plant Society Members. In this workshop, intended for those botanical enthusiasts with less taxonomic experience, you

“Workshops” continues on page 2

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will learn how to recognize the major plant families that occur in Colorado, such as the daisy, mustard, and grass families. Topics include a discussion of the terminology necessary for botanical identification; how to tell the monocots from the dicots; and how to use a key for identification. Tom Ranker is Associate Professor of Biology and Curator of the Herbarium at the University of Colorado at Boulder. Previous sessions of this workshop have been greeted very favorably by Society members. If you are a beginner botanist, this workshop is geared especially for you.

SMALL PLANT FAMILIES

Leaders: Bill Jennings and Carolyn Crawford

Location: Foothills Nature Center, Boulder

First session: Saturday, December 9, 2000

Second session: Sunday, December 10, 2000

Bill, Carolyn, and volunteers will cover a large number of unrelated families, whose only common characteristic is having few representatives in Colorado. Handouts covering these families will be distributed, with specimens available for study. To be included are: Ephedraceae (3 species in Colorado), Aceraceae (3), Anacardiaceae (3), Asparagaceae (1), Betulaceae (5), Cucurbitaceae (3), Hydrangeaceae (4), Nymphaeaceae (2), Oleaceae (4), Parnassiaceae (3), Simaroubaceae (1), Smilacaceae (1), and probably others. If anyone would like to volunteer to research one or more families and make a brief presentation about it, your help would be appreciated. Families with only one representative can be covered in about three to five minutes.

GRASSES: THE TRIBE HORDEAE

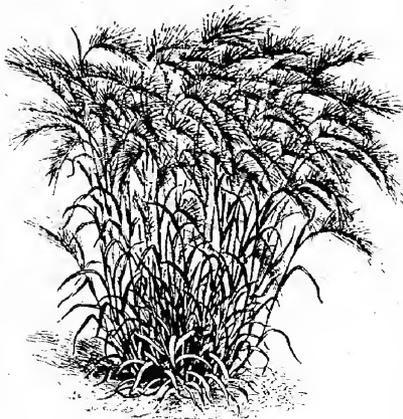
Leader: Dr. David L. Buckner

Location: Foothills Nature Center, Boulder

First session: Saturday, January 13, 2001

Second session: Sunday, January 14, 2001

Dave Buckner has again agreed to lead a grass identification workshop, this time on the tribe Hordeae. This is a group with a large number of genera and species in Colorado. Included here are *Hordeum*, *Triticum*, *Agropyron*, *Elymus*, *Sitanion*, and *Secale*. In recent years, there has been a great deal of taxonomic reshuffling, and new generic boundaries have greatly complicated the nomenclature, especially for those who may have learned it some years ago. Genera such as *Elytrigia*, *Pascopyrum*, and *Thinopyrum* are now used for species formerly included in *Agropyron*. This is an economically very important group, which includes wheat, barley, and rye, as well as a number of species widely used for revegetation of disturbed areas. Roadside botanists will encounter these species over and over again.

**CIRSIUM: THE NATIVE THISTLES**

Leaders: Susan Spackman, Bev Baker, and Pat Butler

Location: Colorado State University, Fort Collins

First Session: Saturday, February 10, 2001

Second Session: Sunday, February 11, 2001

Susan Spackman (Colorado Natural Heritage Program), Bev Baker (USDA Forest Service), and Pat Butler (CoNPS field trip leader and weed specialist) will cover the native thistles. Colorado has about 20 species of native thistles, all in genus *Cirsium*. Some are rare endemics, seldom seen or recognized by anyone other than botanical specialists. For obvious reasons, even common thistles are seldom collected, and our knowledge of their distribution and taxonomy is spotty. This is a much-requested topic — don't miss it! Our troublesome weedy thistles and related plants are mostly in other genera, which will be covered in a workshop next year. These workshops emphasize CoNPS's continuing concern about introduced noxious weeds, and native species often, but mistakenly, considered weeds.

APIACEAE OF COLORADO AND WYOMING

Leader: Dr. Ronald L. Hartman

Location: Colorado State University, Fort Collins

First session: Saturday, March 17, 2001

Second session: Sunday, March 18, 2001

Dr. Ronald L. Hartman, curator of the Rocky Mountain Herbarium and Professor of Botany at the University of Wyoming, will be our first out-of-state workshop leader of the season. A fixture in Rocky Mountain botany, he is well-known for his work in the Apiaceae and Caryophyllaceae. Dr. Hartman will discuss those genera in the Apiaceae that are present in Colorado and Wyoming, and provide keys and specimens. Genera considered problematic will be the focus of the workshop. Results of recent taxonomic research into the family will also be presented.

GEOLOGY FOR BOTANISTS

Leader: Dr. Joseph Cepeda

Location: Foothills Nature Center, Boulder

First session: Saturday, April 21, 2001

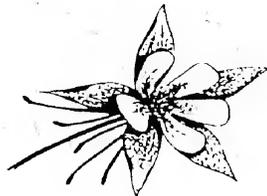
Second session: Sunday, April 22, 2001

Joe Cepeda is Professor of Geology at West Texas A&M University in Canyon, near Amarillo. In addition to his geological training and research, Joe has a great interest in botany and has, along with Pam Allison and Larry Higgins, compiled a checklist of the flora of the Texas Panhandle. At this workshop, you will learn the basics of geology, including geological time sequence; the formations present in Colorado; how to distinguish sedimentary, igneous, and metamorphic rocks; and why a knowledge of geology is important to botany, particularly in the Rocky Mountain West. After lunch, we will go into the field and look at the rocks close up. Possible sites to be visited include Lee Hill Road, Six Mile Fold, I-70 Dakota Hogback road cut, and Red Rocks Park. This is a unique topic, not to be missed.

**REGISTRATION FOR ALL WORKSHOPS
BEGINS SEPTEMBER 27 AND WILL NOT BE
ACCEPTED PRIOR TO SEPTEMBER 27, 2000.**

In Memoriam – Myrna P. Steinkamp Denise Culver, Fort Collins Chapter

It is with deep sorrow that we report the death on June 23, 2000, of Myrna Steinkamp of Fort Collins, Colorado and Santa Fe, New Mexico. Myrna was a tireless advocate for the Colorado Native Plant Society and the preservation of Colorado's native flora.



Born December 23, 1938 in Warren, Pennsylvania, Myrna grew up in Pennsylvania and in New Rochelle, New York. She earned three degrees in biology, receiving a B.A. from Hood College in Frederick, Maryland; an M.S. from Northwestern University in Evanston, Illinois; and a Ph.D. from the University of California in Santa Cruz. She was employed by Stoller Research in Watsonville, California; the Beet Sugar Development Foundation in Denver; and the U.S. Department of Agriculture, Agricultural Research Service in Salinas, California and Fort Collins. She lived in Fort Collins since 1975.

Myrna was a founding member of the Colorado Native Plant Society, and served many years both as Treasurer and Chair of the Membership Committee. She also served on the Conservation Committee, helping to establish the Society's role in Colorado plant conservation and public lands planning. She participated actively in the preparation of both editions of the Society's publication, "Rare Plants of Colorado," in which several of her photographs are included. In 1988, she was awarded Honorary Life Membership in recognition of her contributions to the Society, and to the knowledge and conservation of Colorado's native plants.

In conjunction with her concern for native plant conservation, Myrna especially enjoyed increasing her knowledge about plants and photographing them. She also loved gardening (especially with natives), hiking, camping, and birding. Only a few people also knew of her fondness for harpsichord music! Additionally, she had a special interest in New World archaeology and anthropology. To explore her wide-ranging interests, Myrna traveled throughout the world. She was a member of several other native plant societies and numerous organizations related to her interests.

In memory of Myrna, the Colorado Native Plant Society Board of Directors has renamed the rare plant book fund as the "Myrna P. Steinkamp Memorial Fund." Although this fund had been specifically designated for publication of *Rare Plants of Colorado*, the scope of the fund has now been broadened to include support for rare plant research in Colorado. Contributions to the memorial fund may be made to:

Myrna P. Steinkamp Memorial Fund
c/o Colorado Native Plant Society
P. O. Box 200
Fort Collins, CO 80522

Myrna's dedication to CoNPS, her energy, wit, intellect, and knowledge of Colorado's native flora contributed to a strong foundation for the Society's success. She will forever remain in our memories and will be truly missed.

Boulder County Nature Association Fall 2000 Classes

An Ecological Guide to Boulder County

Instructors: Dr. Joyce G. Gellhorn and Susan Parks Halabrin

Boulder County, only 748 square miles in size, is one of Colorado's smaller counties, but one of the most diverse ecologically, ranging from 5,000 to over 14,000 feet in elevation. This class examines natural ecosystems from short-grass prairie to alpine tundra. Identification of mountain zones, dominant trees and shrubs, and differences in climate will be emphasized. Field trips will enhance classroom sessions. Joyce Gellhorn has taught field classes for 25 years through the CU Mountain Research Station, Continuing Education, Rocky Mountain Nature Association, and Boulder Valley Schools. Susan Parks Halabrin teaches biology at Front Range Community College. Her Master's research examined forest history around Jamestown, with an emphasis on fires, mining, and insect outbreaks.

Dates and Times:

Wednesday, September 27, 6:30-9:30 PM; Foothills Nature Center
Saturday, September 30, 8:30 AM to 3:00 PM; Red Rock Lake to Niwot Ridge

Wednesday, October 4, 6:30-9:30 PM; Foothills Nature Center
Saturday, October 7, 9:00 AM to 3:00 PM; Eldorado Springs

Suggested Texts: Carter, Jack L. *Trees and Shrubs of Colorado*. Mutel, C. F. and J. C. Emerick. *From Grassland to Glacier: The Natural History of Colorado*.

Registration: Send a check made out to BCNA for \$90 (BCNA members \$80) to Susan Parks Halabrin, 1635 Lost Angel Road, Boulder, CO 80302. For more information, contact Susan at (303) 417-1380 or via e-mail at parksswtr@aol.com or contact Joyce Gellhorn at (303) 442-8123 or jgellhorn@sprynet.com

Raptor Ecology

Instructors: Steve Jones and Randy Gietzen

Description: Improve your raptor identification skills while observing wintering eagles, hawks, and falcons on the plains of Boulder County. We expect to see golden and bald eagles; red tailed, ferruginous, and rough-legged hawks; northern harriers; and American kestrels. Class activities will focus on behavior, habitat use, and conservation. Steve Jones is co-author of *Boulder County Nature Almanac* and *Colorado Nature Almanac*. Randy Gietzen is an organizer of the Boulder County Wintering Raptor Survey.

Dates and Times:

Thursday, November 2, 7:00-9:00 PM, indoor class
Saturday, November 4, 8:00 AM to 12:00 PM, field class
Saturday, December 2, 8:00 AM to 12:00 PM, field class
Saturday, December 9, 8:00 AM to 12:00 PM, optional field class or weather makeup class

Equipment: Binoculars and a standard bird field guide. We recommend the National Geographic, Peterson, or Golden field guides to North American birds; and the Peterson Field Guide to Hawks.

Register: Send a check for \$65 made out to BCNA. (\$55 for BCNA members) to Steve Jones. For more information, contact Steve at (303) 494-2468 or via email at stvjones@peakpeak.com

SOCIETY NEWS AND ANNOUNCEMENTS

Minutes of the CoNPS Board Meetings Alice Guthrie, CoNPS Secretary

May 21, 2000. Board members present at the Grand Junction meeting: Gay Austin, Jeff Dawson, Alice Guthrie, Jill Handwerk, Bill Jennings, Andy Kratz, Eric Lane, Peggy Lyon, Caryl Shields, Jeanne Wenger, and Conservation Committee Chair, Bob Clarke.

Committee reports: Bob Clarke requested that the Board find another chair for the **Conservation Committee**, although he will continue to work on grazing issues. The GMUG Forest will be revising its plan; Bob will write a letter to request placing CoNPS on the stakeholder list. Reporting for the Front Range, Bill Jennings of the **Workshop Committee** noted that there were 23 workshops and 350 participants, averaging 15 members per session. A total of 128 different individuals signed up, averaging three workshops per person. "No-shows" are more of a problem, with one solution being advance payment. The total amount could be refunded if the participant canceled one week in advance. For last minute cancellations, payment could be donated to the Marr Fund. The Western Slope had four workshops totaling 60 people.

Old Business: Changes regarding the **Finance Committee** have been implemented and are working. Annette Miller is collecting the mail and helping Denise Culver with distribution. Denise is continuing to perform basic treasurer duties. Bill Jennings will contact Mary Ellen Ford regarding budgeting and strategic planning aspects. With regard to a **policy and guidelines for funding brochures**, Andy Kratz presented several options. The Board adopted the option of establishing a budget and a list of goals or objectives for use of funds; requests would then be discussed and funded on a first-come basis. Peggy Lyon will write up specific guidelines, using \$2,000 as the draft budget.

New Business: The USFWS has **proposed listing *Botrychium lineare***. There are approximately 100 individuals globally, with half on Pikes Peak. If listed, potential for Marr Funding exists. A review of the **CoNPS Strategic Plan** was conducted to determine progress toward two of four goals set two years ago.

Goal: Undertake at least four **educational opportunities** involving 500 non-members each year.

Accomplishments: Four opportunities were undertaken, including attendance at the ProGreen show and field day at Rocky Mountain Arsenal. Additionally, CoNPS members judged 70 entries in the *Celebrating Wildflowers* event, while the Fort Collins Chapter conducted a Plant Art contest.

Discussion: The **website** presents an opportunity for education, but needs updating regularly. Options for enhancement were discussed. Bob Clarke volunteered to work on content. Jeff suggested that CoNPS work with the Forest Service to get more involved with *Celebrating Wildflowers*, such as advertising hikes or cooperating on events. With regard to **CoNPS display boards**, it was noted that the weed display needs maintenance and updating. Additionally, Gay Austin is working with the Nature Center at Crested Butte to produce a display for the Western Slope; Eric

Lane will coordinate with the Audubon Society to add weed displays to their new centers; and Alice Guthrie and Jill Handwerk will update the Front Range display. **More outreach to students and teachers** is needed. This could involve Parks and Recreation programs, teachers, and some institutes, such as Thorne Ecological, in order to reach K-12 students. The Plant Art Contest is an opportunity to get more involved and have better distribution of materials. Eric Lane reported on the "Ag in the Classroom" program in Meeker that teaches weed information to third - fifth graders over three years and includes field trips. CoNPS should review, and possibly sponsor it. We could also e-link to the Plant Conservation Alliance and *Celebrating Wildflowers*. Finally, the Rocky Horror Picture Show needs to be reviewed and updated.

Accomplishment: Nearly 500 **new contacts** were made through the aforementioned events.

Discussion: Although the Western Slope chapters are doing more fairs, overall **coordination of all education and outreach activities** is needed. The Education Committee should get a list of state and county fairs, identify those to attend, and coordinate these activities as part of their operational plan.

Goal: Double membership by the 2001 Annual Meeting.

Accomplishment: While maintaining the existing number of members is okay, the Society is not on track for adding new ones. Non-renewing members should be contacted and *Aquilegia* should be more widely distributed to other organizations.

Discussion: Eric Lane volunteered to help with the **membership database** and convert it to newer software. The Board discussed **membership tracking** to determine why members aren't renewing and where new members come from, as well as their numbers. **Chapter presidents** should be responsible for contacting non-renewing members. Jeff Dawson will contact the Membership Chair to get lists of non-renewing members to chapter presidents. There were ten **gift memberships** in 1999. This program will be evaluated in three years for effectiveness. **Advertising** in the Denver Post and other media outlets was discussed, including public service announcements. Alice Guthrie will draft PSA language and send to chapters for their use. *Aquilegia* should be distributed more widely, with more libraries and other venues added to the mailing list. Each chapter should send contact information for local offices and agencies to the Membership Committee for inclusion on the newsletter mailing list. Andy Kratz will work within the USFS to get a list of *Celebrating Wildflowers* participants and potential contacts. **Outreach** at park visitor centers should be undertaken. Our display should be made available to Rocky Mountain National Park, as well as State Parks and the Rocky Mountain Nature Association. Agencies and organizations should be contacted for potential outreach opportunities.

Two remaining goals were not discussed due to time constraints.

The next Board Meeting will be held at 5 PM on Friday, Sept. 22, 2000, the evening before the CoNPS Annual Meeting. Agenda items including the following: definition of native plant, guidelines for ad hoc funding requests, and the 2001 Budget.

June 4, 2000 Field Trip Report Yellow Star Thistle Weed Pull Caryl Shields, Boulder Chapter

With some help from friends, members of the Boulder Chapter assisted Cindy Owsley of the Boulder County Parks and Open Space Department in a yellow star thistle (*Centaurea solstitialis*) scouting and pulling event on Sunday, June 4, 2000. We scoured the Rock Creek drainage east from McCaslin Blvd. in Superior, Colorado, almost as far east as the new Flat Iron Crossing Shopping Mall. En route east, we dug or chopped out *Onopordium* (scotch thistle), *Cynoglossum officinale* (houndstongue), *Tanacetum vulgare* (common tansy), and *Linaria dalmatica* (dalmation-toadflax). And flushed a great horned owl in the process! *Melilotus officinalis* (yellow sweet clover) and *Centaurea diffusa* (diffuse knapweed) were everywhere, and there were many patches of *Cirsium arvense* (Canada thistle). We were amazed to find ourselves ranking bad and worse weeds! No new yellow star thistle plants were found in this west section of the drainage. Blooming yellow star thistle south and east of Community Park lake were removed and other dispersed plants in that area uprooted. The remaining dense stands of yellow star thistle were expected to be sprayed subsequently. Weed scouts were accompanied by a Daily Camera news photographer and a reporter, and photographs and a reasonably accurate article appeared in the paper the next day. Thanks to all of the hearty participants and the Camera for publicity.



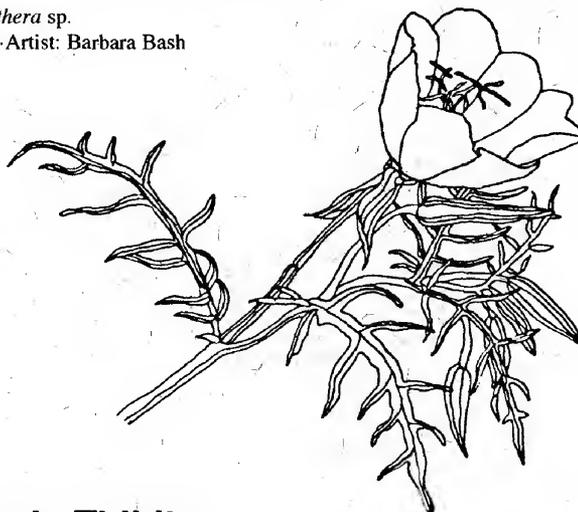
Amorphia fruticosa
Artist: Gary Bentrup

AQUILEGIA Deadline Approaches Submit on or before October 15, 2000

Please submit contributions for Vol. 24 No. 5 of *Aquilegia* on or before October 15, 2000 for a November 1, 2000 mailing. Include author's name and address, and follow the format from previous issues of *Aquilegia* as closely as possible. Previously published articles submitted for reprinting require permission from the editor of original publication. Articles submitted via e-mail or on disks — MAC preferably, or IBM — are much appreciated. Please indicate word processing software and version.

Oenothera sp.

Artist: Barbara Bash



Timely Tidbits...

Dr. Wm.A Weber's new book, *The American Cockerell: A Naturalist's Life, 1866-1947*, is now in press. This is an excellent read for amateur botanists. *The American Cockerell* comprises accounts of his interesting life. For example, did you know that Cockerell started the first Colorado Biological Society in 1888 in West Cliff? Or that Alice Eastwood, who was teaching school in Denver at the time, was the Society's first secretary?

George Petrides' new book, *Trees of the Rocky Mountains and Intermountain West*, is also now available at \$14.95 from Explorer Press. Illustrations are by Olivia Petrides. This lightweight book will serve to identify all 215 trees that grow wild throughout this region. And in any season. Species that look alike, be they related or not, are described and illustrated together.

Sally and Andy Wasowski, authors of *Native Texas Plants*, and *The Landscaping Revolution* invite you to visit their web site at: <http://www.botanicalmissionaries.com>.

Wild Ones — Natural Landscapers, Ltd. is a non-profit organization with a mission to educate and share information with members and community at the "plant-roots" level and to promote biodiversity and environmentally sound practices. They have a diverse membership interested in landscaping using native species in developing plant communities and publish the *Wild Ones Handbook*, a compendium of useful information for the native plant landscaper and wildflower gardener. Visit their web site at: <http://www.for-wild.org>.

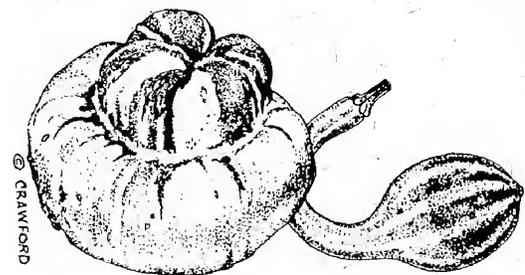
CHAPTER NEWS

Boulder Chapter

Monthly meetings are held October through April at the Foothills Nature Center, located in Boulder at 4201 North Broadway, opposite its intersection with Sumac Ave. **The Chapter will now meet on the SECOND WEDNESDAY of each month, at 7:00 PM** for business, a speaker, book sales, and socializing with refreshments. For more information, please contact Chapter President Caryl Shields at (303) 665-6312 or Program Chair Carolyn Crawford (303) 665-6903.

CHAPTER ANNOUNCEMENTS

Rare Plant Documentation. The Colorado Natural Heritage Program (CNHP) asks that Chapter members revisit documented sites of rare plants and report on their present condition. Element Occurrence Records for rare plants in Boulder County that have not been documented for over ten years have been provided to the Chapter. Examples include *Aquilegia saximontana* (Helleboraceae) at Chasm Lake. Records contain directions to sites, as well as references and lists of relevant herbarium accessions. Rich Scully has agreed to share his experience on procedures, and to send records to CNHP. Can you adopt a species or a site, and lead a Chapter outing to re-locate any of these rare plants? For more information or to volunteer, please contact Rich Scully at (303) 823-0766 or Caryl Shields at (303) 665-6312.



Artist: Carolyn Crawford

October 11

Revegetation of an Active Prairie Dog Town — Year one: the dry period.

Patrick Murphy (Plant Ecologist and President, Ecotone Corporation) will dis-

cuss climate and vegetation data, as well as other characteristics of a prairie dog population located on Kenosha Road in Boulder County during a dry year. Also discussed will be those plants involved in a revegetation effort and the success of this effort in a dry year, as well as those weeds that are prevalent in the prairie dog town.

November 8

Weed Warring and other Botanical Exploits at Dinosaur National Monument **Tamara Naumann** (Botanist, Dinosaur National Monument) will present some of her experiences over the last several years at the Monument, including those dealing with weeds, rare plants, tourists, and ranchers.

December 13

The World of Wildland Fires, Prescribed Burns, and Fire Ecology Colorado just experienced one of its worst years for wildland (forest, brush, and range) fires. **Justin Dombrowski** (Fire Management Officer, Boulder Fire Department) is involved in many facets of wildland fire management throughout the fire season and across the State. He will discuss his experiences during the past year.

January 10

The Rocky Mountain Arsenal

The Rocky Mountain Arsenal was formerly involved in weapons work during the Cold War. Since being decommissioned, much of the area has been restored as a wildlife refuge. **Suzanne O'Neill** (President and Director, Rocky Mountain Arsenal Wildlife Society) will discuss the changes that have occurred over the years and the future of the site.

Plateau Chapter

For Chapter news and activities, please contact Chapter President Jeanne Wenger at (970) 256-9227 or by e-mail at Bluecrow2u@aol.com.

Fort Collins Chapter

Indoor monthly meetings are scheduled through April in the Main Conference Room of the National Seed Storage

Laboratory (NSSL) on the campus of CSU. For more information, please contact Chapter President Don Hazlett at (970) 834-1493.

October 3

Impacts of Grazing and Management Options for Riparian Areas

Bruce Bosley (Morgan County Extension Agent) will present a seminar discussing the impacts of grazing and management options for riparian areas in eastern Colorado.

Metro-Denver Chapter

Indoor monthly meetings are held September through April in the Morrison Center at the Denver Botanic Garden. Meeting dates for 2000-2001 are September 26, October 31, December 5, January 30, February 27, March 27, and April 24. For more information, please contact Chapter President Denise Larson at (303) 733-4338.

September 26

What I Did Last Summer!

All members are invited to bring slides, pictures, notes, and herbarium samples from projects and field trips conducted this summer.

October 31

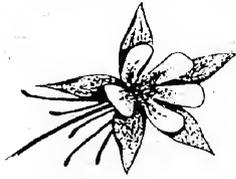
Status of the Green Sedge (*Carex viridula*) in Colorado

The green sedge, *Carex viridula* (Cyperaceae), occurs in wetland habitats scattered throughout northern and central North America and Eurasia. Its distribution also extends to several disjunct sites in the alpine wetlands of Colorado, where it is critically imperiled. **Shannon Kuchel**, recipient of a John W. Marr Fund research grant in 1999, will discuss the results of research concerning genetic diversity maintained in populations of green sedge from Colorado, as well as from other locations in North America and West Europe.

Southwest Chapter

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

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

Please direct all contributions to the newsletter to:

Leo P. Bruederle
Biology, Campus Box 171
University of Colorado at Denver
P.O. Box 173364
Denver, CO 80217-3364

E-Mail: lbrueder@carbon.cudenver.edu

Short items such as unusual information about a plant, a little known botanical term, etc., 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 (MAC preferably, or IBM) are appreciated. Please indicate word processing software and version.

Officers

President	Jeff Dawson...	303-722-6758
Vice-President	Jill Handwerk ..	970-491-5857
Secretary	Alice Guthrie...	303-651-3127
Treasurer	Denise Culver ..	970-225-1930

Board of Directors

Gay Austin (00).....	Gunnison ..	970-641-6264
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Peggy Lyon (00)	Ridgway ...	970-626-3195
Susan Spackman (00) .	Loveland ...	970-667-2865
Jill Handwerk (01) ...	Fort Collins	970-491-5857
Bill Jennings (01) ...	Louisville ..	303-666-8348
Andy Kratz (01)	Lakewood ..	303-914-8291
Eric Lane (01).....	Lakewood ..	303-239-4182
Jun Wen (01).....	Fort Collins	970-491-3528

Chapter Presidents

Boulder	Caryl Shields ..	303-665-6312
Fort Collins	Don Hazlett	970-834-1493
Metro-Denver ..	Denise Larson ...	303-733-4338
Plateau	Jeanne Wenger ...	970-256-9227
Southwest	Sandy Friedley ...	970-884-9245

Committees

Communications ..	Leo P. Bruederle	303-556-3419
and ..	Jeff Dawson ...	303-722-6758
Conservation	Bob Clarke ...	970-242-6067
Education	Rob Reinsvold .	970-351-2716
and ..	Tina Jones ...	303-794-2647
Field Trips	Rick Brune	303-238-5078
Field Studies	Loraine Yeatts .	303-279-3427
Horticulture and ..	Kathy Damas ...	303-543-1492
Restoration	Lisa Tasker ...	303-447-9431
Legislative Affairs .	VACANT	
Membership	Eric Lane	303-239-4182
and ..	Sue Martin ...	970-226-3371
Publications	Rick Brune ...	303-238-5078
and ..	Velma Richards	303-794-5432
Publicity	VACANT	
Rare Plant	Eleanor	
Monograph	Von Bargaen ...	303-756-1400
Workshops	Bill Jennings ..	303-666-8348

MEMBERSHIP APPLICATION FORM

Name(s) _____

Address _____

(Address) _____

City _____ State _____ Zip _____

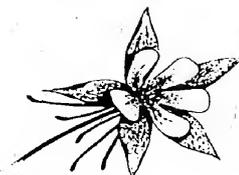
Phone () _____ E-mail _____

Chapter: ___ Boulder ___ Fort Collins ___ Metro Denver ___ Plateau ___ Southwest

MEMBERSHIP CLASS

- (Select one)
- Individual, \$12.00
 - Family/dual, \$15.00
 - Senior/retired, \$8.00
 - Student, \$8.00
 - Corporate, \$30.00
 - Supporting, \$50.00

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), or \$ _____ as a general contribution to the Society.



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

CALENDAR

CHAPTER MEETINGS AND EVENTS

Boulder Chapter

- October 11 Revegetation of an Active Prairie Dog Town — Year one: the dry period.
- November 8 Weed Warring and other Botanical Exploits at Dinosaur National Monument
- December 13 The World of Wildland Fires, Prescribed Burns, and Fire Ecology
- January 10 The Rocky Mountain Arsenal

Fort Collins Chapter

- October 3 Impacts of Grazing and Management Options for Riparian Areas

Metro Denver Chapter

- September 26 What I Did Last Summer!
- October 31 Status of the Green Sedge in Colorado
- December 5 TBA
- January 30 New Species in the Myrtle Family from the Rich Flora of Queensland, Australia

SOCIETY EVENTS

Annual Meeting

- September 23-24 Plant Evolution and Natural History of the Colorado Plateau, Mesa State College

WORKSHOPS

- November 4, 5 **How to Know the Families**
First session: Saturday
Second session: Sunday
- December 9, 10 **Small Plant Families**
First session: Saturday
Second session: Sunday
- January 13, 14 **Grasses: The Tribe Hordeae**
First session: Saturday
Second session: Sunday
- February 10, 11 ***Cirsium*: The Native Thistles**
First session: Saturday
Second session: Sunday
- March 17, 18 **Apiaceae of Colorado and Wyoming**
First session: Saturday
Second session: Sunday



Colorado Native Plant Society
P.O. Box 200
Fort Collins, Colorado 80522
<http://carbon.cudenver.edu/~shill/conps.html>

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