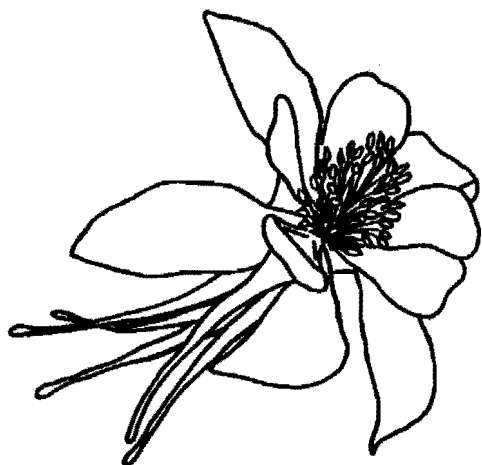


# Colorado Native Plant Society



## NEWSLETTER

Volume 7      Number 2  
March-April      1983

"DEDICATED TO THE APPRECIATION AND CONSERVATION OF THE COLORADO FLORA"

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### CALENDAR OF COMING EVENTS

- 28 APRIL. Fort Collins Chapter Meeting, see details inside on page 4.
- 19 MAY. Board of Directors meeting in West Denver, members welcome but please let the secretary know you plan to attend.
- 21-22 MAY. Field trip, Southern Prairies and Canyons, see details inside on page 3.
- 28-30 MAY. Field trip, Botany and Archeology, see details inside on page 3.
- 12-18 JUNE. Grassland Institute, see details inside on page 6.
- 18-19 JUNE. Field trip, Moffat County Trek, see details inside on pages 3 and 4.
- 25 JUNE. Field trip, Las Animas County, see details inside on page 4.
- 9-10 JULY. Field trip, Florissant Fossil Beds National Monument, see details inside on page 4.
- 17 JULY. Field trip, Hoosier Ridge, see details inside on pages 4.
- 24 JULY. Field trip, Middle Park, see details inside on pages 4 and 5.
- 30 JULY. Field trip, Shrine Pass, see some details inside on page 5 with more information in the next newsletter.
- 19 AUGUST. Native Plant workshop at Denver Botanic Gardens, details in the next newsletter.
- 1 or 8 OCTOBER. Annual meeting. Details in future newsletters.

## PRESIDENT'S REPORT

It is a pleasure for me to be serving as President of CONPS for 1982-83. We have an outstanding group of people on the Board of Directors, and they have been working hard on the Society's behalf. Similarly, we have conscientious, hard-working members heading our committees, where a great deal is accomplished for the Society. The Board provides guidance to the committees, controls the Society's funds, and takes action on many different topics at each bi-monthly meeting. You are encouraged to attend a Board meeting and see what goes on---you'll probably be surprised at the nature and complexity of the business that comes to the Board each meeting! In this report I can only present a few highlights of Board and Committee actions of the past few months.

The Society wrote the Forest Service asking that they reconsider a decision not to classify the West Hoosier Pass area, site of *Braya humilis*, as a special interest (Botanical) Area. The Forest Service regional supervisor replied that although they had decided not to move immediately for such classification, they planned to have their staff do field work on *Braya* this summer, and that they then intended to prepare a new management plan and to reconsider the appropriateness of the West Hoosier Pass area as a Special Interest Area at that time. CONPS will be invited to participate in preparation of the new management plan.

The Horticulture and Rehabilitation Committee is planning a workshop on landscaping and horticultural uses of native plants. The Denver Botanic Gardens will co-sponsor the event, to be held at the Gardens. A preliminary announcement of this workshop has appeared in a previous newsletter, and more details will be published in future issues.

Some significant changes have been made in the Society by laws pertaining to chapters. Please see the Newsletter, Vol. 7, No. 1, for details. Director Claire Semmer is planning to conduct a workshop on plant identification. She will offer this instruction in Steamboat Springs sometime this spring. CONPS will sponsor the session and provide the necessary funds for materials and room rental, if required.

The Conservation Committee, under the leadership of Tamara Naumann, has prepared letters to several public agencies asking for consideration of native plants and ecosystems in Resource Management Plans now being prepared by those agencies. Specific listings of Plant Species of Special Concern and Plant Associations of Special Concern appropriate to the particular resource area were provided in each letter. The Committee plans to continue this important work for the Society, and is expanding its activities into other conservation areas, as well.

The Publicity Committee (chaired by Lloyd Hayes,

our immediate Past President,) can take credit for a recent article on CONPS in The Conservator, the newsletter of the Colorado Open Space Council. Several new members were brought to the Society as a result of this column. Also, CONPS has provided information to Sunset magazine for a forthcoming story on native plant societies of the western U. S. Be looking for that! The publicity Committee will play an important role in disseminating information on our 1983 field trips---see a separate article in this newsletter for the exciting schedule planned by Field Trip Committee head Scott Ellis.

The Florissant Committee, headed by Mary Edwards, has collected over 250 plant species, complete with voucher specimens mounted and deposited in the Florissant Herbarium as well as additional specimens at the Denver Botanic Gardens herbarium. There are still several interesting areas in which collecting has yet to be done. There will be a Florissant collecting trip this July to help with this important Society project. Those who participated last year had a most enjoyable time and learned about the flora at the same time! Plan to join the group this year---there is something for everybody to do, and you don't need to be a taxonomist to make an important contribution.

Our Education Committee has sold over 40 copies of their slide/tape program on Colorado's plant zones. These programs are being sold to school districts, where they should reach many students. The Society should be proud of this educational project, begun under the leadership of Virginia Dionigi and continuing under this year's Committee Chair, Miriam Denham. Annual Meeting plans are just beginning. Watch for announcements in future newsletters as to place, date, and program.

---Sue Martin

## TALLGRASS PRAIRIES FIELD TRIP REPORT

In response to a note in the NEWSLETTER, October-December, 1982, Vol. 6, No. 4, on endangered tallgrass prairies an informal field trip was held 13 February to look at tallgrass remnants in the Boulder area. Attending were Diana and Don Mullineaux, Harold and Margaret Weisler and Patty and Bill Echelmeyer. Though February is not the best month for tallgrass botany, we did have an enjoyable time studying the major grasses and discussing how to find these prairie remnants. We had a nice warm day, and saw some hawks and a few remnants of the presettlement Colorado landscape. If you would like to learn about these prairies, and could help us by keeping an eye out for locations we don't know about now, I am thinking of rerunning the trip on an informal basis in September when the prairies are at their best. Drop a note to me at CNHI, 1550 Lincoln #110, Denver CO 80203.

---Bill Baker

## FIELD TRIP POLICIES

At the start of the 1983 field season, the Society wishes to remind everyone of the CONPS field trip policies. By joining a Society trip you indicate acceptance of these rules.

1. Plant collecting is forbidden on CONPS field trips. (Exceptions: collecting by a scientifically trained person for deposition in a recognized, publicly accessible herbarium. Such collecting should consider the effect on the plant population in question, and should be under an appropriate collecting permit, if one is needed for the area in question.)
2. Rides and Cost-Sharing: Car-pooling and ridesharing is encouraged on CONPS field trips. All drivers who provide rides to others will graciously accept the following payment from passengers:

Number of passengers (besides driver)	Cents/mile
1	5
2	4
3	3
4	2

3. No pets are permitted on CONPS field trips. If pets must be brought along (although this is strongly discouraged), they must remain in or tied to the owner's vehicle (i.e., walking about on a leash is not acceptable).
4. Field trips are for all ages, but are designed primarily for adults. Parents should carefully consider the suitability of a trip for a small child, particularly where a long hike is required or where unfavorable weather may be a problem. The safety and enjoyment of all participants is our primary concern, so parents must take full responsibility for the whereabouts and behavior of their children.
5. CONPS stands for appreciation and preservation of our flora. Take care not to damage the very features you have come to enjoy. Take photographs, make sketches, or use other means or recording the plants you see, but do not pick plants or plant parts. Do your part to help the group have minimal impact on the areas visited.

## 1983 FIELD TRIPS

DATE: 21-22 MAY  
SUBJECT: Southern Prairies and Canyons  
TRIP LEADER: Dexter Hess  
REGISTRATION AND INFORMATION: Dexter Hess, Otero Junior College, La Junta CO 81050 (School 384-8721, home 384-2464); Scott Ellis, 1011 W. Mountain Ave., Fort Collins CO 80521 (Work 493-8878, home 493-6069). Please register by phone or postcard by 14 May.  
SIZE: Unlimited  
LOGISTICS AND HIGHLIGHTS: The group will meet at and leave from Otero Junior College at 9:00 A.M. on Saturday, 21 May. The group will travel south to the vicinity of Kim in eastern Las

Animas County. Focus of the trip will be on spring wildflowers and prairie habitats near the New Mexico border. The group will camp near Kim on Saturday night. For those who wish motels, Springfield is approximately 50 miles to the east. On Sunday morning, the group will complete a loop back to La Junta. Dexter Hess will provide a list of plants to be seen, and accommodations upon request. This trip presents an ideal opportunity to become acquainted with one of the lesser-known parts of the state containing plants with affinities farther to the south and east.

DATE: 28-30 MAY  
SUBJECT: Botany and Archeology  
TRIP LEADERS: Carol Brandt  
REGISTRATION AND INFORMATION: Carol Brandt, 107 N. 8th., P. O. Box 1053, Dolores CO 81323 (882-7437); Scott Ellis (see elsewhere). Please register by phone or postcard by 21 MAY.  
SIZE: Unlimited  
LOGISTICS AND HIGHLIGHTS: The group will meet at Towaoc on the Ute Indian Reservation southwest of Cortez at 11:00 A.M. on 28 May. The group will be led by an Indian guide into Mancos Canyon, south of Mesa Verde National Park. The objectives of the first day will be to see populations of the Mesa Verde cactus, *Sclerocactus mesa-verdae*, and to view a variety of archeological sites. A 2-wheel drive vehicle will be adequate for all portions of this trip. A maximum hike of 2 to 3 miles may be expected. Terrain will be gently sloping. Lunches and water should be brought. The group will return to Towaoc and then disperse. Participants may stay either in Cortez or Dolores. On the second day the group will travel to Hay Camp Mesa, a mesa top site in the pinyon-juniper/mixed shrub zone, just south of Dolores. The group will meet at and leave from Dolores at 9:00 A.M. and then participate in a 3 mile hike on level terrain. A variety of plant communities will be encountered. It is expected that several species of shrubs will be in flower. The group will return to Dolores and disperse for the night. On Monday morning the participants are invited to visit the Dolores Archeological Project near Dolores. Project archeologists will be available to explain the ongoing field studies, and to describe the ethnobotanical aspects of the project site and surrounding region. This presentation should be complete by noon, allowing participants to leave for home. Please contact Carol Brandt or Scott Ellis for further information on accommodations and highlights of the area.

DATE: 18-19 JUNE  
SUBJECT: Moffat County Trek  
TRIP LEADERS: Scott Peterson and Karen Wiley-Eberle.  
REGISTRATION AND INFORMATION: Scott Peterson, Colorado Natural Heritage Inventory, 1550 Lincoln Ct., Denver CO 80203 (866-5887); Karen Wiley-Eberle, Bureau of Land Management, Craig CO 81625 (824-8261); Scott Ellis (see elsewhere). Please register by phone or postcard by 15 MAY, additional information will be provided.

**LOGISTICS AND HIGHLIGHTS:** It is advisable to arrive in Maybell Friday evening since the group will be departing at 7:30 Saturday morning. The Maybell City campground is pleasant with clean restrooms and showers. Saturday evening will be spent at the primitive National Park Service campground at the spectacular Gates of Lodore. Two-wheel drive cars will be acceptable, though a few 4x4 trucks will be required for part of the trip. If you have a truck, it would be the more appropriate vehicle. It would also be advisable to take extra fuel. Departing Maybell, we will journey a few miles down the Yampa River toward Sunbeam to search for *Penstemon yampaensis*, a caespitose monkeyflower that is endemic to Moffat County. After passing through Sunbeam and Greystone, we will arrive at the base of Douglas Mountain. From there we will have to proceed via 4-wheel drive vehicles along Douglas Mountain Boulevard. A stop will be made at Chicken Springs to view a new species of evening primrose, *Oenothera acutissima*, and an interesting grass, *Danthonia unispicata*. (There will be an article in the next newsletter about *Oenothera acutissima*.) We will pass through a stand of mountain mahogany, *Cercocarpus montanus*, that has the growth form of trees, on our way to The Gap on Limestone Ridge to visit a cushion community. After lunch, we will return to the cars and journey to Irish Canyon in northwestern Moffat County. Here we will hike up a butte to see *Bolophytia ligulata* and *Eriogonum tubulosum*, both rare plants in Colorado. We will also have an opportunity to visit a few sites having exemplary plant associations. Our day will end with an overnight stay at the Gates of Lodore on the Green River.

Sunday morning hasn't been scheduled as yet, but we have several options. Among these is a trip to Beaver Creek Canyon on Cold Springs Mountain, which is inhabited by bighorn sheep, or a tour of some unique plant localities in the Browns Park area. Some of you may just desire to relax along the Green River or go fishing.

**DATE:** 25 JUNE  
**SUBJECT:** Rare Plants, Las Animas County  
**TRIP LEADERS:** Tom Eaman  
**REGISTRATION AND INFORMATION:** Tom Eaman, 2080 Braun Dr., Golden CO 80401 (279-1076); Scott Ellis (see elsewhere). Please register by phone or postcard by 18 June.  
**LOGISTICS AND HIGHLIGHTS:** The group will meet in Trinidad at 8:00 A.M. on Saturday, 25 June, and travel approximately 30 miles to the east to Pinyon Canyon. Two-wheel drive vehicles will be adequate. The objective of the trip will be to view populations of goldenweed, *Haplopappus fremontii monocephalus*, as well as a variety of other species characteristic of the southern plains such as *Zinnia grandiflora*, *Frankenia jamesii*, and the rare *Forsythesia planitierum*. Please bring a lunch and plenty of water. Plan on hot weather. There are presently no plans for a second day, but there are some excellent opportunities for side trips into the foothill canyons near Trinidad.

**DATES:** 9-10 JULY  
**SUBJECT:** Plant collecting at Florissant Fossil Beds National Monument.  
**TRIP LEADER:** Mary Edwards.  
**REGISTRATION AND INFORMATION:** Mary Edwards, 2580 Parfet, Lakewood CO 80215 (233-8133). Registration not required but please let Mary know if you plan to attend so she will know how many teams to plan for and also let her know if you plan to stay overnight at Florissant.  
**LOGISTICS AND HIGHLIGHTS:** Meet at the Visitor Center, Florissant Fossil Beds National Monument, at 9:00 A.M., 9 July. The Monument is a few miles south of the village of Florissant, which in turn is about 35 miles west of Colorado Springs on U. S. Highway 24.

This is a working trip to assist the Society's Florissant Committee in compiling a complete plant list and herbarium for the Monument. You will contribute to a major Society project in which over 250 species have already been collected—but never fear, there are many more to go!

The group will be divided into teams consisting of an experienced leader and "helpers" as available. Teams will collect plants in an assigned habitat, then plants will be identified and pressed by everyone working together. The trip provides an opportunity to enjoy the beauty of the Florissant area, to learn about plants, and to get to know some of your fellow CONPS members. Bring a sack lunch and water.

The primary collecting day will be Saturday, but arrangements can be made for those who wish to camp overnight at Florissant. Some help could be used to finish up various tasks on Sunday, but there will be plenty of free time for botanizing on your own.

**DATE:** 17 JULY  
**SUBJECT:** Alpine Tundra, Hoosier Ridge  
**TRIP LEADERS:** Louise Roloff  
**REGISTRATION AND INFORMATION:** Louise Roloff, 2501 E. 104th Ave., Denver CO 80233 (457-2950 until 1 July); Scott Ellis (see elsewhere) Please register by phone or postcard by 1 July.  
**LOGISTICS AND HIGHLIGHTS:** The group will leave from the parking lot at the Hoosier Pass summit at 9:00 A.M. The group will move slowly up Hoosier Ridge to examine a variety of alpine wildflowers. Elevation gained will be approximately 1000 feet, from 11,500 to 12,500. Please bring a lunch, water and warm clothing. Louise will provide a list of plants to be encountered. This trip will provide a chance to see some of the finest alpine wildflower displays in the state, as well as several alpine species with very restricted ranges. Participants can expect to return to Hoosier Pass by approximately 3 P.M. Be prepared for wind and possible thundershowers.

**DATE:** 24 JULY  
**SUBJECT:** Elk Mountain, Middle Park  
**TRIP LEADER:** Paul Gilbert  
**REGISTRATION AND INFORMATION:** Paul Gilbert, Box 24, Hot Sulphur Springs CO 80451 (725-3906);

Scott Ellis (see elsewhere). Please register by phone or postcard by 16 July.

SIZE: Unlimited

**LOGISTICS AND HIGHLIGHTS:** The group will meet at the museum in Hot Sulphur Springs at 9:00 A.M. on 24 July. The group will proceed out of town and up Elk Mountain. A pickup or 4 wheel drive is required for the last 2 miles, so some doubling up of participants will be required. The group will then hike to the summit of Elk Mountain, an unusual basalt geologic feature. The elevation gain will be approximately 1000 feet, from 10,500 to 11,400. Participants will see a mixture of subalpine and alpine plant communities, including a fine display of alpine forget-me-nots, *Myosotis*. Paul says the views from the mountain summit are very fine, so bring your cameras. Bring lunch, water and warm clothes. Be prepared for wind and possible thunderstorms.

DATE: 30 JULY

SUBJECT: Subalpine flora, Shrine Pass

TRIP LEADERS: Nevin Bebee

**REGISTRATION AND INFORMATION:** Nevin Bebee, 2043 S. Clayton, Denver CO 80210 (733-1038); Scott Ellis (see elsewhere). Please register by phone or postcard by 22 July.

**LOGISTICS AND HIGHLIGHTS:** This trip will begin from the summit of Vail Pass at 10:00 A.M. on Saturday, 30 July. Focus of the trip will be on gentians and bog orchids in the subalpine zone. The group will proceed to Coral Creek near Shrine Pass to view a variety of wildflowers. Additional information on this trip will appear in the next issue of the Newsletter. Call Nevin for additional information.

#### UNPUBLISHED MANUSCRIPTS

The University of Colorado Herbarium has a number of unpublished manuscripts that it can make available at cost plus handling. These are non-published deliberately so that the master copy can always be the most completely updated version.

Place your order for any of these materials with the University of Colorado Museum, Attention Lavonne Byrd, Campus Box 218, Boulder CO 80309.

Prices given are for unbound copy, printed on two sides. Strip or other types of binding with paper or vinyl vary in price and may be requested. State or city taxes will be added.

Titles available are:

Catalog of the Moffat Co. Flora, \$6 postpaid  
Catalog of the Mesa Co. Flora, \$7 postpaid  
Catalog of the Rocky Mountain National Park Flora, \$7.50 postpaid  
Check List of plants of Colorado National Monument, \$1.50

Natural History Inventory of Colorado. I. Vascular plants, lichens, and Bryophytes (second edition), \$15; Additions, Corrections and Emendations \$3.

---Dr. William A. Weber

#### THANKS . . .

...to the ADOLPH COORS COMPANY of Golden, Colorado, site of the 17 March Board of Directors meeting.

...to CONPS members HAROLD WEISSLER, MARGARET WEISSLER, and NEVIN BEBEE. Harold arranged for an excellent meeting room and took care of many details to facilitate the meeting, Margaret provided much-appreciated refreshments, and Nevin collaborated with Harold in planning and hosting our meeting. Our grateful thanks to you all!

#### CNHI INTERNS

Are you interested in learning about the flora and vegetation of the Grand Junction area? Are you willing to work hard for next to no pay? CNHI will have two botanists, Drs. Elizabeth Neese and Walt Kelley, conducting a plant inventory in the area of Mesa County during the month of May. Since the funding for this project is very limited, you could perform a great service to the conservation of the Colorado flora by volunteering for 1 to 3 weeks to assist Walt or Liz, plus learn a lot too. You would have to be in good physical condition, since this would involve hiking about 6 to 10 miles a day and long hours. If you are interested and would like more information, please call Scott Peterson at 866-5887 before 15 April.

#### ENDANGERED ECOSYSTEMS OF COLORADO: PLAINS LAKES, PONDS AND WETLANDS

Reservoirs now are scattered over a large part of the Colorado plains. Many of these reservoirs were constructed in areas where water naturally collected and where wetlands dominated by plant species such as *Typha latifolia*, *Scirpus americanus*, and *S. acutus* or *S. validus* formerly occurred. These wetlands have been flooded in many cases by reservoirs. In other cases they have been drained or filled in. In some cases new wetlands have been created around the perimeter of reservoirs or near the outlets.

Colorado Natural Heritage Inventory (CNHI) is now seeking funding to begin a comprehensive study of Colorado's natural aquatic ecosystems in part to locate the most pristine examples of these ecosystems to be recommended for natural area protection.

Preliminary study suggests that plains lakes, ponds and wetland are among the most threatened of Colorado's aquatic ecosystems. We are particularly interested in locating natural ponds and lakes in the plains region of Colorado. Many of these are ephemeral and only appear after a heavy rain or runoff, while others retain water during drought periods. If you know the location of ponds or lakes in the plains area, that are not man made, or if you are interested in learning more about how to help us find these vanishing ecosystems, please drop a note to me at CNHI, 1550 Lincoln #110, Denver CO 80203.

---Bill Baker

## LANDSCAPING WITH NATIVE TREES & SHRUBS

Spring is almost here, and now is the time to consider using native shrubs and trees to improve the quality of your landscape. Unlike exotic nursery-grown plants, native species are already adapted to the harsh climatic conditions of northwest Colorado and, once established, require little maintenance. Nurseries in Denver and Grand Junction maintain a variety of native shrubs and trees; however, you will have to pay between \$50 and \$100 for quality stock. Another option is to obtain a transplant permit at nominal cost from a BLM or USFS office and go out and dig your own.

Transplanting trees and shrubs is not difficult; however, to insure success utilize the following techniques.

### 1) Select the Proper Tree or Shrub for the Planting Location

All trees have different environmental requirements. Some require full sun, others require heavy shade. Plan to use trees requiring full sun on south or southwest aspects and those which require shade or north aspects in the shade of nearby buildings. Use the following guide to assist you in selecting the proper tree for the intended location.

Full Sun: Lodgepole pine, narrow-leaf cottonwood, aspen, pinyon, Utah juniper, shrubby cinquefoil, and rabbitbrush.

Partial Shade: Douglas-fir, ponderosa pine, blue spruce, red steamed dogwood.

Heavy Shade: Subalpine fir, Englemann spruce, and white fir.

### 2) Locate and Dig a Suitable Transplant

- Locate healthy trees and shrubs, free of insects, disease or other noticeable defects.
- Plan to dig transplants after the ground thaws, but before leaves break bud.
- Excavate a root ball equal to one foot in diameter for each one inch of basal stem diameter.
- Wrap the root ball tightly in burlap and secure with rope or twine.
- Protect the root ball during transport to minimize root damage.

### 3) Planting

- Dig a hole at least one and a half times larger than the root ball. Leave a cone shaped column in the center of the hole to support the tree and prevent it from settling.
- Place the transplant into the hole so that the root collar is approximately one inch above the original soil level.
- Loosen or remove the burlap and twine from the root ball.
- Backfill the hole using loose-textured topsoil and tamp (light packing) the soil as you replace it.
- Build a circular berm around the plant and water thoroughly with a hose under low pressure.

After planting, be sure to water the transplant thoroughly at least once per week until the plant becomes established. After establishment native plants will require little if any additional maintenance, but will provide years of beauty.

—K. C. Eberle

## FORT COLLINS CHAPTER MEETING USES OF NATIVE PLANTS IN THE NURSERY INDUSTRY

Mark 28 April on your calendars right now before you forget it. Gary Easton of Fort Collins Nursery will be the speaker at our meeting in the Fort Collins Museum, 200 Mathews. Use the rear entrance. There is a drive way, on the north side of the block, for limited parking behind the museum for anyone who has difficulty getting around. The starting time for the meeting is promptly at 7:30 P.M. For any information or possibly a ride to the meeting please call President, Mary Gore, 482-4697; or Program Director, Les Shader, 484-0107. See you at the meeting?!

## FORT COLLINS CHAPTER MEETING REPORT

The Fort Collins Chapter of CONPS had a meeting 15 February, at 7:30 P.M. in a meeting room of the Colorado State University Library. During a short business meeting, Mary Gore was elected President of the chapter and Les Shader was elected Program Director.

Following the business meeting, outgoing Chapter President Bob Bowman introduced the speaker, Mr. Kia Sorvig, who gave a very informative and enjoyable talk and slide presentation on "Seed Collecting and Horticulture in China." After the meeting refreshments were served in the Herbarium in the Department of Botany and Plant Pathology. On display were several reference books that were used in China, in Chinese!, and several plants specimens that were collected.

## GRASSLAND INSTITUTE

The Denver Audubon Society and the University of Northern Colorado are again presenting their GRASSLAND INSTITUTE, 12-18 June. The program will familiarize participants with the ecosystems of the short-grass prairie and heighten their awareness of the subtle interactions of prairie communities. Field trips, led by qualified instructors, are scheduled each day and evening programs relate historical, cultural and artistic views of the prairie as well as its natural history.

The Institute is open to 40 individuals who are in good health and at least 18 years of age. The Crow Creek Campground on the Pawnee National Grasslands in northern Colorado is the site of the Institute. The campground is located near Briggsdale, along Colorado Highway 14. Registration fee is \$240 and includes all meals beginning with the evening meal Sunday the 12th and ending with the noon meal on Saturday the 18th. The fee also covers daily field trip transportation for all participants.

For more information and registration write to Mr. Ed Butterfield, 17410 E. Nichols Pl., Parker CO 80134, phone (303) 690-5019.

## NEBRASKA WILD FLOWERS

by Robert C. Lomasson  
University of Nebraska Press, Lincoln, NB.  
Available in paperback (recently priced at \$10.50) and hard cover.

This book may be useful for the northern plains section of Colorado. It is not a manual of the flora of Nebraska. It includes only 260+ plants whereas the state contains approximately 1,700 species.

What the book is, and is not, is probably explained best in the Introduction. "This book is an attempt to present to the general public representative types of many of the conspicuous wild flowers found in Nebraska. Included ... are both native and naturalized flowering herbaceous plants exclusive of the grasses and grasslike plants." (Although cattail and bur-reed are included.) "Excluded ... are woody plants, such as trees, shrubs, and woody vines. Many herbaceous plants with inconspicuous flowers have also been excluded."

"All members of a family are placed together, thereby indicating those which are closely related. The sequence of families ... follows the arrangement of plants in a herbarium and in some technical manuals. The genera within a family are alphabetically arranged."

The book also contains a key to the genera.

As you may have concluded by now, this is not a technical manual. To use it for plant identification, the first step would be to compare a flowering plant with the photos. If a likeness is found then the plant description should be checked. The descriptions are largely non-technical also. But the book could be useful to flower lovers who have little or no technical training, especially for use in the northeast quarter of Colorado.

---Lloyd Hayes

## LADY BIRD JOHNSON ENDOWS WILDFLOWER CENTER

Mrs. Lyndon Johnson, former First Lady, long has been known for her interests in conservation and highway beautification. To celebrate her 70th birthday recently Mrs. Johnson created a National Wildflower Research Center, committing \$125,000 and donating 60 acres of land near Austin, Texas, for the new center. A large board of trustees includes actress Helen Hayes (honorary co-chairman along with Mrs. Johnson), former President Gerald R. Ford, and conservationist Laurence Rockefeller (who matched Mrs. Johnson's \$125,000 donation). The Center initially will study wildflowers for their potential uses in beautification projects and for water conservation.

---From "Operation Wildflower Newsletter," Vol. 3, No. 1, National Council of State Garden Clubs, Inc.)

## WEST SLOPE FLORA

The West Slope Flora project is continuing, but still needs all the help it can get. The University of Colorado tried to obtain support from industry to finance the art work, but failed to get a single dollar. Therefore, all of Carolyn Enslie's beautiful plates have been done through your donations and Dr. Weber's donations of private consultation and royalty moneys. Dr. Weber thinks "this is unfair because I have donated all of my own time, and expertise, including typing the manuscript on my own." To add to the misery, Carolyn has gone to France with her fiancée to live, so all future collaboration will have to be done through sending specimens and pictures back and forth. This will be expensive. However, Carolyn does not want to leave the project.

The Colorado Associated University Press has always published Rocky Mountain Flora and would have published the West Slope book, too, but there is a real likelihood that the Press will be dissolved because the Universities of Colorado elected not to support it this year. Therefore, added to all the rest, we may not have a publisher for either book. Rocky Mountain Flora will be out of print soon, and needs a subsidy of about \$8,000 to go to a reprint edition.

So, please help keep the west slope flora going by sending in your contributions, \$200 minimum per plate. \$1,000 contributions are needed very much. Make your checks payable to the University of Colorado Foundation, earmarking the check to FLORA BOOK, very very important, for otherwise the donation may go to the football program.

The working keys to the West Slope Flora have been completed including the Ferns, Gymnosperms, Dicot families alphabetically from Adoxaceae through "?", check with Dr. Weber, (except Chenopodiaceae; Cruciferae, Draba only), Hydrangeaceae, Hydrophyllaceae, Monotropaceae, Polygalaceae, Pyrolaceae, and Violaceae. Copies of any or all parts of this work can be obtained at cost plus handling, since Dr. Weber is anxious to have the keys used and checked for accuracy.

If you have any suggestions as to aids or explanatory materials that might be provided let Dr. Weber know by writing to him at the University of Colorado Museum, Campus Box 218, Boulder CO 80309.

## CNHI LISTS

The Colorado Natural Heritage Inventory has recently revised the Plant Species of Special Concern and the Plant Associations of Special Concern lists for Colorado. Also available is the Preliminary Classification of the Natural Vegetation of Colorado. These are available by writing to CNHI, 1550 Lincoln St., Room. 110, Denver CO 80203.

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**SCHEDULE OF MEMBERSHIP FEES**

LIFE	\$250.00
SUPPORTING	50.00
ORGANIZATION	25.00
FAMILY OR DUAL	12.00
INDIVIDUAL	8.00
STUDENT OR SENIOR	4.00

**NEWSLETTER ARTICLES**

Please direct all contributions and articles to the EDITOR in care of the Society's mailing address.

Deadlines for the NEWSLETTER are the first day of January, March, May, July, September, and November with publication the last day of the month. The 4 issues March through September will be published without fail, the January and November issues will be published as material is available.

**MEMBERSHIP RENEWALS AND INFORMATION**

Please direct all membership applications, renewals and address changes to the MEMBERSHIP Chairperson in care of the Society's mailing address.

Please direct all other inquiries regarding the Society to the SECRETARY in care of the Society's mailing address.