Colorado Native Plant Society



NEWSLETTER

Volume 7 May-June Number 3 1983

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

CALENDAR OF COMING EVENTS

18-19 JUNE. Field trip, Moffat County Trek.

25 JUNE. Field trip, Las Animas County 9-10 JULY. Field trip, Florissant Fossil Beds National Monument, see details inside on page 2, 17 JULY. Field trip, Hoosier Ridge. 24 JULY. Field trip, Middle Park.

26-28 JULY. Plant Identification Workshop, Colorado Mountain College, Steamboat Springs. Contact Claire Semmer, phone 879-3259, P. O. Box 990341, Steamboat Village CO 80499, for more information.

30 JULY. Field trip, Shrine Pass, see additional information on page 2.

30 JULY. Field trip to Fish Creek Falls for Plant Identification Workshop.

19 AUGUST. Native Plant workshop at Denver Botanic Gardens, see article inside and enclosed brochure.

1 or 8 OCTOBER. Annual meeting. in the next newsletters.

COLUMBINES AND THANKS TO...

...Lorraine Seger of the Fort Collins Chapter, for the many hours she spent the Fort Collins designing and preparing art work for the Society. Lorraine's work will appear on the brochure that will advertise the forth-coming workshop, "The Use of Native Plants in Colorado Landscapes," and also on the redesigned membership brochure. As usual, all this work was needed by yesterday, and Lorraine came through with flying colors!

...Dames and Moore, 1626 Cole Blvd., Golden, for allowing the CONPS Board of Directors to meet at their office on the evening of May 19th. Their large, well-appointed conference room was a fine meeting site.

... Tom Eaman for making initial arrangements for us at Dames and Moore, and Sally Cuscino for finalizing details, meeting us at the building, and preparing the conference room for our session.

...Dexter Hess, who led a most interesting field trip May 21-22 to the canyons of southeastern Colorado. Thanks also to Fern Hess, who with Dexter opened their home to the Friday night early—arrivals, providing snacks and good conversation. We hope for a repeat of this trip another year.

CLASS FIELD TRIP Everyone welcome

DATE: 30 July SUBJECT: Fish Creek Falls, Steamboat Springs TRIP LEADER: Claire Semmer.
REGISTRATION AND INFORMATION: Claire Semmer, P.O. Box 990341, Steamboat Village CO 80499. Phone 879-3259. Please register by phone or postcard by 23 July. LOGISTICS AND HIGHLIGHTS: This field trip completes the workshop "Introduction to Plant Classification" to be taught 26-28 July at Colorado Mountain College in Steamboat Springs. However, by no means is the trip limited to the class! All are wel-come. At 10:00AM the group will meet at Fish Creek Picnic Area which is about 3 miles west of Steamboat Springs. From the picnic area, elevation 7600 feet, we will hike towards, though not necessarily to, Long Lake, elevation 9800 feet.

Plans are to move at an easy pace, taking advantage of the wildflower display of this montane zone. Due to the extended winter season, the area should be about at its

Students of the workshop will be putting their skills to work---the field trip will serve as their final quiz.

Current group plans are to return to the picnic area around 3:00PM. Please bring a lunch, water and warm clothes. Be prepared for adverse weather conditions. Don't hesitate to consider the idea of camping around Long Lake. If you elect to do so, bring your fishing gear.

1983 FIELD TRIP Updated Information DATES: 9-10 JULY

SUBJECT: Plant collecting at Florissant Fossil Beds National Monument.

TRIP LEADER: Mary Edwards. REGISTRATION AND INFO

AND INFORMATION: Edwards, 2580 Parfet, Lakewood CO 80215 (233-8133). Miriam Denham, 2945 3rd, Boulder CO 80302 (442-1020). Registration not required but please let Mary or Miriam know if you plan to attend so they will know how many teams to plan for and also let them 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

1983 FIELD TRIP New Information

30 JULY DATE: SUBJECT: Subalpine flora, Shrine Pass TRIP LEADERS: Nevin Bebee REGISTRATION AND INFORMATION: Nevin Bebee, 2043 S. Clayton, Denver CO 80210 (733-1038); Scott Ellis, 1011 W. Mountain Ave., Fort Collins CO 80521 (Work 493-8878, home 493-6069). Please register by phone or postcard by 22 July. NEW INFORMATION: The main feature of this trip will be subalpine meadows with many wildflowers. Park at the Shrine Pass parking area on the Vail Pass summit. Assemble' on the east side of Shrine Pass exit bridge over 170 at 10AM.

The hike will be 2 miles round trip on an excellent trail. There will be an altitude gain of 200 feet from a starting elevation of about 11,000 feet. This trip will en-compass the Corral Creek Valley which extends southeast from Uneva Peak toward Copper Mountain.

1983 MEMBERSHIP LIST

The current membership list, alphabetically by town and within each town alphabetically by last name, follows. The out of state members are at the end followed by Native Plant Societies and other organizations.

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WYOMING Native Plant Society, Cheyenne WY

Other Organizations

National Council of State Garden Clubs, Inc., Pocasset MA Office of Endangered Species, US Fish & Wildlife Servie, WASHINGTON DC The Nature Conservancy, Arlington VA

FLORISSANT FOSSIL BEDS NATIONAL MONUMENT Plant Inventory List of Synonyms

Fossil Beds National Monument plant inventory. The new names were published in Vol. 1, No. 1, of the NEWSLETTER. This list also has the new names on it with lines beginning with "Syn." showing the older names. The list also contains the old names with a line beginning "See" showing the current names.

On this and the next page is most of the list of old and new names on the Florissant *****Asteraceae Artemisia campestris L. mmp. pacifica (Nutt.) A.M. Hall Syn. Artemisia caudata Esp. pacifica Artemisia caudata Michx. ssp. pacifica See Artemisia campestris unp. pacifica Aster laevis L. See Symphyotrichum laeve Aster pattersoni A. Gray Boo Machaeranthera pattersonii Aster ptarmicoides (Noom.) T. & G. See Solidago ptarmicoides Hymenoxys richardsonii (Hook.) Cockerel See Picradenia richardsonii Lactuca pulchella (Pursh) DC See Lactuca tatarica esp. pulchella Lactuca tatarica (L.) C. A. Mayer ssp. pulchella (Pursh) Stebbins Syn. Lactuca pulchella Nachaeranthera pattersonii (A. Gray) Greene Syn. Aster pattersoni Packera fendleri (Gray) Weber & Love Syn. Senecio fendleri Packera neomexicana (Greene) Weber & Love Syn. Senecio neomexicanus Packera tridenticulata (Rydb.) Weber & Love Syn. Senecio tridenticulatus Picradenia richardsonii Hooker Syn. Hymenoxys richardsonii Senecio fendleri A. Gray See Packera fendleri Senecio neomexicanus A. Gray See Packera neomexicanus Senecio tridenticulatus Rydb. See Packera tridenticulata Solidago ptarmicoides (Nees) Boivin Byn. Aster ptarmicoides Symphyotrichum leeve (L.) Love & Love Syn. Aster laevis Townsendia exscapa (Rich.) Porter Syn. Townsendia sericea Townsendia sericea Hook. See Townsendia exscapa *****Boraginaceae Cryptantha thyrsiflora (Greene) Payson

#####Brassicaceae Arabis drumondii Gray See Boechera drumondii

#####Brassicaceae

Boechera drummondii (A. Gray) A. & D. Love
Syn. Arabis drummondii

#####Caryophyllaceae

Arenaria fendleri A. Gray
See Eremogone fendleri

Arenaria lanuginosa (Michx.) Rohrb. ssp. saxosa (A. Gray) Maguire See Spergulastrum lanuginosum ssp. saxosum

Erezogone fendleri (A. Gray) Ikonn.

Syn. Arenaria fendleri

Spergulastrum lanuginosum Michx. usp. saxosum (Gray) W. A. Weber Syn. Arenaria lanuginosa usp. saxosa

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*****Cyperaceae
Carex eleocharis L. H. Bailey
     See Carex stenophylla ssp. eleocharis
Carex heliophila Mack.
     See Carex pennsylvanica ssp. heliophila
Carex pennsylvanica Muchl. ssp. heliophila (Mack.) W. A. Weber
     Syn. Carex heliophila
Carex stemophylla Wahlemb. sap. eleocharis (L. H. Bailey) Hulten
     Syn. Carex eleocharis
Scirpus microcarpus Presl.
     Syn. Scirpus rubrotinctus
Scirpus rubrotinctus Fernald
     See Scirpus microcarpus
****Euphorbiaceae
Chamaesyce serpyllifolia (Pers.) Small
     Syn. Euphorbia serpyllifolia
Euphorbia serpyllifolia Pers.
     See Chamaesyce serpyllifolia
****Fabaceae
Astragalus agrestis Dougl. ex G. Don
     Syn. Astragalus dasyglottis
Astragalus dasyglottis Fisch. ex DC.
     See Astregalus agrestis
*****Gentianaceae
frasera speciosa Dougl.
     Syn. Swertie redieta
Gentiana affinis Griseb. in Hook.
     Swe Preumonanthe affinis
Pneumonanthe affinis (Griseb.) Greene
     Syn. Gentiana affinis
Swertia radiata (Kellogg) Kuntza
     See Frasera speciosa
*****Juncaceae
Juncus arcticus Willd. ssp. ater (Rydb.) Hulten
     Syn. Juncus balticus
Juncus balticus Willd.
     See Juncus arcticus
*****Liliaceae
Anticlea elegans (Pursh.) Rydb.
     Svn. Zigadenus elegans
*****Liliaceae
Zigadenus elegans Pursh.
     See Anticlea elegans
*****Onagraceae
Chamerion engustifolium (L.) Holub
Syn. Epilobium angustifolium
Epilobium angustifolium L.
     See Chamerion angustifolium
####Poaceae
Agropyron trachycaulum (Link) Malte
     See Elymus trachycaulus
Critesion jubatum (L.) Love & Love
Syn. Hordeum jubatum
Elymus longifolius (J. G. Smith) Sould
    Syn. Sitamion longifolium
Elyaus trachycaulus (Link) Bould ex Shinners
     Syn. Agropyron trachycaulum
Hordeum jubatum L.
     See Critesion jubatum
Sitanion longifolium J. B. Smith
     See Elymus longifolius
*****Polemoniaceae
Gilia calcarea M. E. Jones
     Syn. Gilia pinnatifida var. calcarea
Gilia pinnatifida Nutt. var. calcarea Brand
     See Gilia calcarea
****Polygonaceae
Bistorta bistortoides (Pursch) Small
     Syn. Polygonum bistortoides
Bistorta vivipara (L.) S. Gray
     Syn. Polygonum viviparum
Polygonum bistortoides Pursh
     See Bistorta bistortoides
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Polygonum viviparum L.

See Bistorta vivipara

THE USE OF NATIVE PLANTS IN COLORADO LANDSCAPES

A workshop sponsored by the Colorado Native Plant Society and the Denver Botanic Gardens

DATE: 19 August 1983.
PLACE: Denver Botanic Gardens, 909 York
St., Denver
SUBJECT: An all-day workshop/seminar
(beginning at 9:30AM).

Gayle Weinstein, Chair of the Colorado Native Plant Society (CONPS) Horticulture and Rehabilitation Committee (and, in her other hat, Botanist/Horticulturist with the Denver Botanic Gardens), and her committee have put together an outstanding day's program you won't want to miss!

The morning session will include a keynote speech in which W. R. Hildreth, Director of the State Arboretum of Utah, will give us an "outsider's" perspective on the degree of uniqueness of our native plants and

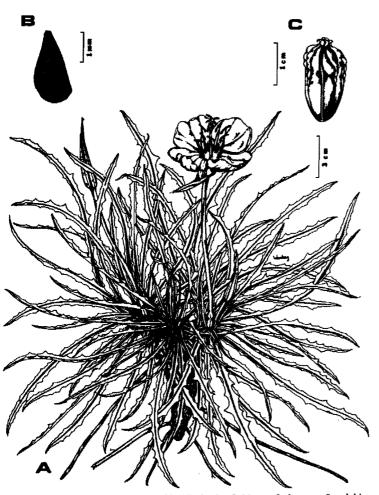


Fig. 1. Oenothera acutissima. A. Habit. B. Seed. C. Mature fruit, soon after dehiscence. All from greenhouse grown progeny of Peterson 1293.

From Wagner 1981, Systemic Botany 6(2):154. Reprinted here by permission of the Editor.

their landscaping uses. This will be followed by hour-long sessions on each of the life zones being considered. Within each of the presentations, knowledgeable professionals will outline the specific plants being considered, describe their growth characteristics and landscape uses, and review their natural habitats, cultural requirements, and degree of adaptability.

A box lunch will be available for those who preregister (see the form enclosed with this newsletter) and choose the lunch option, or you are welcome to bring your own brown bag. Gayle says she hopes participants will have lunch with the group and not scatter all over town, as the afternoon sessions need to begin right on time to get in all the information!

Three simultaneous, hour-long panel discussions, each focusing on one of the plant life zones that are the day's topics, will begin the afternoon session. All three of these will then be repeated in the second hour, so you will be able to choose your favorite two of the three topics. Next, Charles Weddle will evaluate the future of selecting, propagating, and breeding native plants. Finally, a summary of the day's program will wind up the workshop.

See the colored brochure enclosed with this newsletter for the rest of the details and registration form.

Genothera acutissima

This is to introduce you to a plant that you will have an opportunity to see if you participate in the Moffat County Field Trip on 18-19 June(see the last issue of the NEWSLETTER). This is a new species of evening primrose from Moffat County and adjacent Utah that was described by Warren L. Wagner (Syst. Bot. 6(2):153-158) in This plant was first recognized as a possible new taxon by William Klein, who collected it adjacent to Stuntz Reservoir, Moffat County, on a field trip with Harold Harrington in 1966. In 1978 Elizabeth Neese and I located a population near Flaming Gorge, Utah, while Warren found an additional population on Douglas Mountain. Additional field inventory on this species has been conducted by Karen Wiley-Eberle, Sue Allard and Joyce Walker. It still appears to be a very narrow endemic.

O. acutissime is distinguished from O. fleva and O. triloba by its long, slender, branching taproot; linear, irregularly dentate leaves; a deep reddish— orange color of the faded petals; a large showy, bright yellow corolla; and small, fewer-seeded capsules. It appears to be restricted to seasonally moist, sandy and gravelly soils, in meadows, depressions or along arroyos, in mixed conifer forests to sagebrush scrub. This evening primrose is very photogenic, particularily against the rock and grass background where is it usually found.

---Scott Peterson

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SCHEDULE OF MEMBERSHIP FEES

LIFE	\$250.00
SUPPORTING	50.00
ORGANIZATION	25.00
FAMILY OR DUAL	12.00
INDIVIDUAL	9.00
STUDENT OR SENIOR	4.00

NEWSLETTER ARTICLES

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

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

MEMBERSHIP RENEWALS AND INFORMATION

Please direct all membership applications, renewals and address changes to the MERBER-SHIP 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.

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