PRESIDENT’s MESSAGE

We are off to a great start! With the January meeting, it was heart-warming to welcome so many members and guests. Thank you Richard Potashin for your interesting presentation on growing native desert plants. May such an enthusiastic group continue as we alternate meetings, north to south. As program chairperson, Carla has more interesting meetings planned.

As profound and powerful forces are changing our world, within the framework of our organization, we have the power to promote and protect our environment. Working together, not only with government agencies, but also with fellow environmental organizations, we have mutual goals and can indeed make an impact.

Meanwhile, new and vocal groups are springing up, especially in the west and they are predominately funded by big business preaching “wise-use”. To the detriment of our diminishing open spaces this voice is escalating opposition to the Desert Protection and Mining Reform Bills. To quote from an illuminating article in the September-October 1992 Audubon Magazine; “The Wise Use Movement has given voice to a mostly rural constituency that believed itself powerless in the face of change. The environmental community would do well to look on it as a wake up call.--What is happening is the beginning of public debate about our future”.

Let us take an active part in this debate in each of our communities as we eagerly look forward to a wild-flower filled spring and summer and participate in our Chapter field trips. Let us share and communicate with our neighbors, friends, local and national politicians our concerns for protection and enhancement of our environment.

........Betty Gilchrist
LEGISLATION-CONSERVATION CORNER

The big guns are firing off again against the Desert Protection Act -- our own Board of Supervisors are using our County tax money to oppose the bill by having the 4th District Supervisor lobby against it while he is in Washington. In addition, our 34th District Assembly woman issued a grossly misleading and unfactual broadside of the bill in the February 24th issue of our County newspaper.

We need to flood Washington with letters and phone calls to Senators Feinstein and Boxer in support of their backing of this bill. Senator Feinstein can be contacted at: (202) 224-3841, U.S. Senate, 367 Dirksen Bldg., Washington, D.C. 20510, and Senator Boxer at: (202) 224-3553, U.S. Senate, 112 Hart Bldg., Washington, D.C. 20510. You can call before 8:00 am for not more than it costs to make a local call between Bishop and Lone Pine! Do it early tomorrow morning (Mon.-Fri.).

LINE 50 STATE TAX DONATIONS CAN HELP ENDANGERED PLANTS

The Department of Fish and Game invites California Native Plant Society members to consider contributing to the state's endangered species program by making a Line 50 donation on their state income tax returns.

Currently, 213 plant species are among the 286 species which California lists as rare, threatened or endangered. Plant species on the list include the Alameda manzanita, Bakersfield cactus, Colusa grass, Contra Costa wallflower, lone buckwheat, Napa bluegrass, Otay Mesa mint, Sonoma sunshine and Western lily.

The State Department of Fish and Game administers the endangered species program which seeks to protect California's threatened plant and wildlife species habitat. Line 50 donations go to fund research and positions of Department employees who are working on endangered species program projects. Californians have donated about $7 million to benefit endangered species since inception of the Endangered Species Tax Check-Off Program in 1984.

Donations are easy to make. You may do so by checking the Line 50 box and entering the amount of your donation. If you have your taxes prepared by a professional, give instructions for a Line 50 donation and specify the amount. Your donation is Tax deductible.

We can use our Tax Returns to help Endangered Species.
Due to changes in leader's schedules and location specifics please note the following changes and additions for the spring 1993 field trips listed in the January newsletter.

MARCH 27. SAND CANYON. Leader: Mary Ann Henry. This trip has been changed to Sunday March 28th. Meet at 8:00 am, at the Lone Pine Visitor's Center or at 9:00 am at the Sand Canyon turnoff on the west side of Hwy. 395 (intersection of Hwy. 395 and Brown Road).

APRIL 3. RED ROCK CANYON. Leader: Mark Faul. This trip is confirmed. Meet at 8:30 am at the Lone Pine Visitor's Center.

APRIL 17. FOSSIL FALLS. Leader: Vince Yoder. Meet at 9:00 am at Cinder Road which is approximately 5 miles north of Little Lake along U.S. Hwy. 395.

APRIL 24. BLACK CANYON. Leaders: Doris Fredendall and Ray Mosher. From U.S. Hwy. 395 (one mile south of Bishop), turn east on Warm Springs Road. Meet at 9:00 am where Warm Springs Road turns into Eastside Road and where the dirt road runs south to Black Canyon.

MAY 1. ALABAMA HILLS. Leader: Vince Yoder. This trip has been rescheduled to May 8th. Meet at 9:45 am at the intersection of Whitney Portal and Movie Rd. in the Alabama Hills or at 10:00 am at CNPS president's Betty Gilchrist's home, if you are familiar with the location.

MAY 15. EUREKA VALLEY. Leaders: Mary DeDecker and Clem Nelson. This trip has been rescheduled to May 22nd. Meet at 9:00 am Saturday morning, at the Triangle Campground in Big Pine, at the junction of U.S. Hwy. 395 and Highway 168. High clearance vehicles recommended.

1993 BRISTLECONE CHAPTER FIELD TRIPS, SUMMER SCHEDULE

JUNE 12: HOT CREEK. Leader: Joanne Dolan. Join Inyo National Forest Naturalist Joanne Dolan for a trip to Hot Creek in the hydrologically and botanically unique Long Valley area. Joanne will take us along the volcanic bluffs above the creek and then have us descend into the thermal zone where heat and salt tolerant plant species appear. Meet at 9:00 am at the Mammoth Lakes airport exit off of U.S. Hwy. 395. Easy walking.

JUNE 26: PINE CREEK. Leader: Scott Hetzler. Explore the diverse and colorful plant zones that wing up this drainage. We will walk through a cool, green white fir forest, lush lily graced enclaves and rock garden terraces. Round trip hike will be approximately 4 miles. Initial sections of the hike will be steep, but we'll take a slow pace. Meet at 9:00 am at the Home Street School in Bishop. Moderate walking.

JULY 10: REED FLAT. Leader: Doris Fredendall. This favorite White Mountain spot provides a wonderful flowery trek. Mat plants cover the flat and the slopes offer various lupines and special buckwheats. At the base of the high rocks and up towards the crest, Cooper's golden flower and bitterroot appear. After lunch, the return walk will offer Penstemon and hopefully, a hill of crimson paintbrush (*Castilleja martini*). Full plant lists will be available. Meet at 9:30 am at the wide parking area for the Black Mountain trail which is just before the turn-in to Schulman Grove. Driving distance from U.S. Hwy. 395 via State Route 168 is approximately 23 miles. Easy walking.

JULY 24: VALENTINE CAMP, BELOW MAMMOTH LAKES BASIN. Leader: Mark Bagley. Valentine Camp, part of the Valentine Eastern Sierra Reserve, is part of the University of California's Natural Land and Water Reserves System. It contains an unusually diverse sample of eastern Sierran habitats at the ecotone between the sagebrush desert of the Great Basin and the coniferous forests of the Sierra Nevada. Because this is a reserve, our numbers will be limited so please sign up by calling the field trip coordinator, Anne Halford at 387-2781. Meet at 9:30 am in the parking lot of the Forest Service Mammoth Ranger District. Easy walking.
Field Trips Continued.


AUGUST 21: WHITE MOUNTAINS. Leader: Jim Morefield. Combine exploration and research by assisting Jim in a survey for the Inyo prickly milkvetch (*Astragalus kentrophyta* var. *elatus*). *Astragalus kentrophyta* var. *elatus* is locally abundant in the Inyo Mountains but is restricted to a disjunct population in the White Mountains. Participation in the survey isn't necessary to join the trip however. Jim will undoubtedly enlighten us about many of the other alpine plants unique to this location. Meet at 10:00 am at the Schulman Grove Parking lot. Easy walking.

FIELD TRIP POLICIES

Generally, day trips last most of the day while the overnight trips conclude mid-afternoon on Sundays. On all trips bring a lunch and plenty of water. Although we are often near vehicles at lunch, always be prepared to carry your supplies on a hike. On overnight trips be prepared to have food and water supplies for two days. Other essentials to bring for all trips include: a hat, sunglasses, sunscreen, and sturdy walking shoes and don't forget your hand lens and field guides!

Family, friends, and visitors are welcome to come along, but please, no pets. Unless indicated, the average car should be fine on our trips. All vehicles however should be reliable, have good tires and full gas tanks. Trips will LEAVE at the time announced, so please arrive a few minutes early. Car pooling is encouraged. Please contact Anne Halford, field trip coordinator at 387-2781, for more information.

Tamarisk Removal Projects

These projects are organized by various individuals, conservation organizations and government agencies to eradicate Tamarisk from critical areas. Contact Bill Neil 4900 Glenview Ave. Anaheim, CA 92807 (714) 577-2423 for more information. The next project will take place on May 28th at Darwin Falls.

NEW MEMBERS

A warm welcome to the following new members in our chapter.

John R. Gibson
El Cerrito, CA

Bernice McProud
Tonopah, NV

John & Donna Satterfield
Bishop, CA
BOOK REVIEW

The History of Water

Eastern Sierra Nevada, Owens Valley, White-Inyo Mts.
White Mountain Research Station Symposium, Volume 4

Well, it is now available - the proceedings for the Water Symposium held on
September 19-22, 1991 in Bishop. It was a long wait, but well worth it. Those of us
who attended were impressed by the professional quality of the talks, many of which
were illustrated with slides.

The welcome and introductory remarks by Clarence A. Hall, Jr., the keynote
address by Marc Reisner, author of the Cadillac Desert, and reproduction in expanded
form of each talk are all here. There is even a section at the end for 18 abstracts of
additional reports given at the sessions but for which papers were not published.

Some familiar names are present: Vernon C. Bleich, Robert S. Jellison, David
P. Groeneveld, Sara (Sally) J. Manning, Mary Dedecker, John D. Wehausen, David E.
Babb, Emilie Martin, Edwin Philip Pister, Carla R. Scheidlinger, Antonio Rossman,
Linda Keating, Joseph Pollini, and more.

Topics covered include Ancient Seas and Waterways; Climate; Water Usage -
Biology/Ecology; Water usage - Sociology/Economics; Water Usage - Legal/Ethical;
and Enhancement/Recovery/Protection.

Some of the papers are quite technical and challenging but well worth the
effort; delve into material with which you may not be too familiar. Each paper,
however, is preceded by an Abstract which succinctly summarizes the important
information.

Available through your local bookstore, the Visitor’s Center south of Lone Pine,
or through the White Mountain Research Station Office on East Line Street.

Enjoy!

P.S. The first three volumes are also worthwhile. Titles:
Volume 1, Natural History of the White-Inyo Range, Eastern California and
Western Nevada and High Altitude Physiology.
Volume 2, Plant Biology of Eastern California.
Volume 3, Natural History of Eastern California and High Altitude Research.

......Vince Yoder
A DEDECKERA CANYON PLANT LIST

ADIANTACEAE  Bracken Fern Family
Notholaena jonesii  Jones lip fern
Notholaena parryi  Parry lip fern

AMARANTHACEAE  Amaranth Family
Tidestromia oblongifolia  Honeysweet

APIACEAE  Parsley or Carrot Family
Cymopterus gilmanii  Gilman cymopterus

APOCYNACEAE  Dogbane Family
Amsonia brevifolia  Amsonia

ASTERACEAE  Sunflower Family
Amphipappus fremontii  Chaff-bush
Artemisia spinescens  Bud sage
Atrichoseris platyphylla  Gravel ghost, parachute plant
Baccharis glutinosa  Water-wally
Brickellia arguta  Pungent brickellbush
Brickellia microphylla  Sweet brickellia
Brickellia oblongifolia  var. linifolia  Pinyon brickellia
Chaenactis fremontii  Fremont pincushion
Chaetodelpha wheeleri  Dune broom
Chrysothamnus nauseosus  ssp. leiospermus  Arid rabbitbrush
Chrysothamnus paniculatus  Wash rabbitbrush
Encelia virginensis ssp. actonii  Bush sunflower
Enceliopsis nudicaulis  Nevada sun-ray
Gutierrezia microcephala  Matchweed
Hazardia brickellioides  Holly goldenbush
Hecastocleis shockleyi  Prickle-leaf
Hymenoclea salsola  Cheese-bush
Malacothrix californica var. glabrata  Desert dandelion
Rafinesquia neomexicana  White chicory
Senecio douglasii var. monoensis  Mono senecio
Stephanomeria pauciflora  Desert milk-aster
Tetradymia axillaris  Cotton-thorn
Viquiera reticulata  Golden-eye
Xylorhiza tortifolia  Mojave aster

BORAGINACEAE  Boragae Family
Cryptantha anqustifolia  Narrow-leaved cryptantha
Cryptantha circumsissa  Gapped forget-me-not
Cryptantha decipiens  Gravel forget-me-not
Cryptantha inaequata  Panamint cryptantha
Cryptantha nevadensis  Nevada cryptantha
Cryptantha pterocarya var. cycloptera  Wing-nut cryptantha
Cryptantha racemosa  Bushy cryptantha
Cryptantha recurvata  Curved-nut cryptantha
Cryptantha tumulosa  Sturdy forget-me-not
Cryptantha utahensis  Fragrant forget-me-not
Cryptantha virginensis  Virgin Valley cryptantha
BRASSICACEAE  Mustard Family
Lepidium fremontii  
Lepidium lasiocarpum  
Stanleya elata  

CACTACEAE  Cactus Family
Echinocactus polycephalus  
Echinocactus engelmannii  
Opuntia basilaris  

CARYOPHYLLACEAE  Pink Family
Scopulophila rixfordii  

CHENOPODIACEAE  Goosefoot or saltbush Family
Atriplex canescens  
Atriplex confertifolia  

FABACEAE  Pea Family
Astragalus panamintensis  
Psorothamnus arborescens var. minutifolius  

HYDROPHYLACEAE  Waterleaf or Phacelia Family
Phacelia crenulata  
Phacelia fremontii  
Phacelia perityloides  
Phacelia rotundifolia  

LAMIACEAE  Mint Family
Salvia funerea  

LOASACEAE  Loasa Family
Euclide urens  
Mentzelia albicaulis  
Mentzelia oreophila  

LOGANIACEAE  Logania Family
Buddleja utahensis  

MALVAEAE  Mallow Family
Sphaeralcea ambigua  

NYCTAGINACEAE  Four O'Clock Family
Allonia incarnata  
Mirabilis bigelovii  

OLEACEAE  Oliveor Ash Family
Menodora spinescens  

ONAGRACEAE  Evening Primrose Family
Camissonia claviformis ssp. lancifolia  
Camissonia walkerii ssp. tortilis  

OROBRANCHACEAE  Broom-rape Family
Orobanche cooperi ssp. latifolia  

Oleaster spinescens  

HYDROPHYLACEAE  Waterleaf or Phacelia Family
Purple phacelia  
Yellow-throats  
Cliff phacelia  
Round-leaved phacelia  

LAMIACEAE  Mint Family
Death Valley sage  

LOASACEAE  Loasa Family
Rock nettle, vegetable velcro  
Little blazing star  
Inyo blazing star  

LOGANIACEAE  Logania Family
Utah buddleja  

MALVAEAE  Mallow Family
Apricot mallow  

NYCTAGINACEAE  Four O'Clock Family
Windmills  
Wishbone bush  

OLEACEAE  Oliveor Ash Family
Spiny menodora  

ONAGRACEAE  Evening Primrose Family
Inyo-Mono yellow primrose  
Rock primrose  

OROBRANCHACEAE  Broom-rape Family
Desert wash strangler
POACEAE Gras Family

Blepharidachne kingii
Aristida glauca
Erioneuron pulchellum
Mulemberti porteri
Oryzopsis hymenoides
Poa secunda
Sporobolus flexuosus
Tridens muticus

POLEMONIACEAE Phlox Family

Gilia cana ssp. triceps
Gilia latifolia
Gilia scropulorum
Loesaeliastrum scottii

POLYGONACEAE Buckwheat Family

Chorizanthe rigida
Dedeckera eurekensis
Eriogonum fasciculatum
Eriogonum gilmanii
Eriogonum glandulosum
Eriogonum heermanii ssp. argense
Eriogonum maculatum
Eriogonum nidularium
Eriogonum inflatum
Eriogonum trichopes

ROSACEAE Rose Family

Prunus fasciculata

SCROPHULARIACEAE Figwort Family

Castilleja chromosa
Mimulus rupicola
Penstemon calcareus
Penstemon fruticiformis

SOLANACEAE Nightshade Family

Lycium andersonii
Nicotiana trigonophylla
Physalis crassifolia

ZYGOPHYLLACEAE Caltrop Family

Larrea tridentata

List prepared by Mary DeDecker, January 1993.

Dedeckera Canyon provides the right conditions, high dolomite cliffs with crevices and shelters, good north and east exposures at about 4000 feet in elevation, and the right weather conditions for an outstanding assemblage of desert plant species.

Eagles and great horned owls are seen here. Bighorn sheep occupy the Last Chance Mountains above the canyon.
CALIFORNIA NATIVE PLANT SOCIETY: BRISTLECONE CHAPTER
Membership Report

January 1993

TOTAL MEMBERSHIP: 156 (Up 5% from 1992)

* In addition, five memberships are less than six months past renewal.

BY MEMBERSHIP CATEGORY:

1) INDIVIDUAL = 50% (Down 8% from 1992)
2) COUPLE/FAMILY/GROUP = 21% (Up 1%)
3) RETIRED INDIVIDUAL/COUPLE = 13% (Up 2.5%)
4) SUPPORTING = 8% (Up 1%)
5) PLANT LOVER = 1% (No change)
6) LIFE = 3% (Up 1%)
7) LIBRARY = 2% (Up 1.5%)
8) STUDENTS = 2% (Up 1%)

BY GEOGRAPHICAL LOCATION

1) LOCAL (Inyo-Mono-Ridgecrest) = 63% (Up 2% from 1992)
2) SOUTHERN CALIFORNIA = 10% (Down 1%)
3) NORTHERN CALIFORNIA = 8% (Down 2%)
4) OUT-OF-STATE = 18.5% (Up 1.5%)
   - Nevada = 7% of total members (Up 2%)
   - Other States include: Alaska, Arizona, Colorado, Idaho, Illinois, Maryland, Michigan, Missouri, Oregon, Utah and Wisconsin
5) OUT-OF-COUNTRY = 0.5% (Down 0.5%)
   - Canada

NEWSLETTER

1) Subscriptions = 20-18 in California
   - Other states include: Idaho and Kansas (down 1 from 1992)
2) 35 distributed within CNPS (+3)
3) 19 distributed to other organizations and individuals (+3)
The California Native Plant Society is an organization of lay persons and professionals united by an interest in the plants of California. It is open to all. The society, working through its local chapters, seeks to increase understanding of California's native flora and to preserve this rich resource for future generations. Varied interests are represented.

<table>
<thead>
<tr>
<th>Name</th>
<th>P.O. or Street</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>State</td>
</tr>
</tbody>
</table>

**Membership Category:**

- Student/Retired/Limited Income $18, Bristlecone Chapter
- Individual or Library $25
- International $35
- Family or group $35
- Supporting $50
- Plant Lover $100
- Patron $250
- Life $500
- Benefactor $500
- Corporate $1,000

I wish to be affiliated with the

**Please make check payable to:**

California Native Plant Society

Mail to: Bristlecone Chapter, CNPS
P.O. Box 506
Independence, CA 93526

**GIFT contribution:** Where most needed ____. Conservation ____.

---

**THE BRISTLECONE NEWSLETTER** comes out bimonthly. It is mailed free to members of the Bristlecone Chapter, CNPS. The subscription if $5.00 per year for others.

**Editor:** Mary DeDecker/ Anne Falford.

---

California Native Plant Society

**BRISTLECONE CHAPTER**

CNPS

P.O. Box 506
140 West Pavilion Street
Independence, CA 93526

---

NON-PROFIT ORG.
U.S. POSTAGE
INDEPENDENCE
CALIF. 93526
PERMIT NO. 7