

Next Meeting

The September 23 meeting will be at the home of Evelyn Mae and Al NIKOLAUS 315 South Clay Street, INDEPENDENCE, second street east of Hwy 395, near south end. Following short business and learning sessions, we will have a "remembering" program. Ann YODER will show her slides of people and plants on past field trips. Makings will be available for your interpretation of the ideal ice cream dessert.

PRESIDENT'S MESSAGE:

I bring you a thought from the Nature Conservancy literature.:
 "What we have saved and what we will save in the next few years will be all that will remain to be passed on to future generations. There will never be another chance."

. Doris Fredendall

FIELD TRIP REPORT--Mono Basin, June 27, 1987:

In this mostly dry year of 1987, we went north to Mono County to find green growth. Eighteen Bristlecone Chapter members and friends and six tiny tots caravanned from the Lee Vining Ranger Station into the pumice flats east of Mono Lake. This area had received daily rain and occasional snow from early May into Early June. so even the light, porous soil of the pumice flats had drifts of pink from tiny 2 to 3 inch high plants of monkey flower and the deep blue of a lupin found only on pumice. (*Mimulus densus* and *Lupinus duranii*.) Here also were *Hulsea veatita*, *Abronia pogonantha*, *Calyptridium*, and a *Cymopterus*.

At Big Sand Flat, *Astragalus monoensis*, a rare milk-vetch endemic to pumice flats of Mono County, is doing well in the short grass cover of *Muhlenbergia*, both inside a control fence, and outside where it can be cropped by livestock. The spotty sage here is *Artemisia cana*. There was also *Calyptridium umbellatum*, *Penstemon oreocharis*, *Zigadenus venenosus* and *Agoseris glauca*.

To reach our lunch site at Lower Sagehen Meadow, our caravan followed two tracks up and around through sagebrush and bitterbrush, with some snowberry and much prickly phlox to a hidden stretch of lush meadow at 8,000 feet. In 1981 this site was burned to enhance cover for wildlife that requires a grass-forb habitat. (sage grouse, vesper sparrow, etc.)

Our guide, Tina Hargis, wildlife biologist at the Lee Vining Ranger Station, has monitored this site for six years, watching the succession of growth from annual forbs to Perennial

CHAPTER FIELD TRIPS

AUGUST 1. VALENTINE CAMP, BELOW MAMMOTH LAKES BASIN. Leaders: Mark Bagley and Leslie Dawson. 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 coniferous forests of the higher Sierra Nevada. This will be an easy walking trip at an elevation of about 8000 feet. Because this is a reserve, our numbers will be limited so please **sign up** by calling Mark at 873-5326. Meet at 9:00 am in the parking lot of the Forest Service Mammoth Ranger Station.

SEPTEMBER 19. OAK CREEK, EASTERN SIERRA NEVADA. Leader: Vince Yoder. A day hike up this canyon which contains many unusual plants. Meet at 9:00 am about 2 miles north of Independence at the junction of Hwy 395 and the turn off to the Mt. Whitney Fish Hatchery.

OCTOBER 10. THE NATURE CONSERVANCY KERN RIVER PRESERVE. Leader: Rick Hewett, Preserve Manager. Located just east of Lake Isabella in the South Fork Valley, this preserve contains a fine example of riparian habitat. Meet at 10:30 am at the Preserve Headquarters located north off Hwy 178 about 1 mile west of Weldon. Easy walking.

The average car will do fine on these trips. Trips will LEAVE at the time announced, so please arrive a few minutes early. Family, friends, visitors, and members from other chapters are welcome to come along, but please no pets. Bring plenty of water or other thirst quenching beverages, a hat, dark glasses, sunscreen, and sturdy walking shoes. Don't forget to bring along field guides and a hand lens!

NOTE: Vince Yoder, leader of the September 19 trip, prefers to meet in Independence, across from the postoffice north. The hike up the Oak Creek trail will be two miles or less. Take a day pack and lunch, also drinking water.

The jeep trip scheduled for June 13-14 was cancelled, due to a combination of circumstances. We hope to reschedule it on a more favorable flower year.

* * * * *

June 27 Field Trip, continued.

grasses.

In contrast to the quick recovery of Lower Sagehen Meadow, the 30-acre wild-fire burn of 1981 near the south base of Panum Crater at 7500 feet, is still barren except for dry remains of last year's buckwheat (*Eriogonum baileyi*). Because of a deficiency of calcium and magnesium in the soil, grasses are unable to recolonize the site. Even seedlings from surrounding sagebrush are slow in getting established.

The difference in growth between the two burns is surprising. At Sagehen Meadow, in the drier soil at the edge of the encroaching sagebrush, we were drawn to a display of sticky yellow-throats, tailed lupine, a small blazing star, and fragrant forget-me-not. (*Phacelia bicolor*, *Lupinus caudatus*, *Mentzelia dispersa*, *Cryptantha utahensis*). The tall grasses of the wetter soil sheltered iris, cinquefoil, chickweed, dock, and another lupine. (*Iris missouriensis*, *Potentilla gracilis*, *Stellaria longipes*, *Rumex paucifolius*, *Lupinus Sellulus*).

CORRECTION: Your editor apologizes for the confusing omission in the last issue, No. 3. The Dedeckera Canyon plant list was incomplete and the introductory paragraph to the legislation page was omitted. The remainder of the plant list follows:

OROBANCHACEAE Broom-rape Family

Orobancha cooperi Desert wash strangler
ssp. latifolia

POACEAE Grass Family

Aristida glauca Reverchon three-awn
Erioneuron pulchellum Fluffgrass
Oryzopsis hymenoides Indian ricegrass
Poa secunda Varied bluegrass

POLEMONIACEAE Phlox Family

Gilia cana ssp. triceps Showy gilia
Gilia latifolia Holly gilia
Gilia scropulorum Rock gilia
Langloisia schottii Little sunbonnets

POLYGONACEAE Buckwheat Family

Chorizanthe rigida Rosy-thorn
Dedeckera eurekaensis July gold, dedeckera
Eriogonum gilmanii Gilman buckwheat
Eriogonum heermanii
ssp. argense Rough heermann buckwheat
Eriogonum inflatum Desert trumpet
Eriogonum trichopes Little trumpet

ROSACEAE Rose Family

Prunus fasciculata Desert almond

SCROPHULARIACEAE Figwort Family

Castilleja chromosa Desert paintbrush
Mimulus rupicola Rock midget
Penstemon calcareus Limestone penstemon
Penstemon fruticiformis Desert bush penstemon

SOLANACEAE Nightshade Family

Lycium andersonii Desert tomato
Nicotiana trigonophylla Desert tobacco
Physalis crassifolia Thick-leaf ground-cherry

ZYGOPHYLLACEAE Caltrop Family

Larrea tridentata Creosote bush

NOTE: Any confirmed additions to this checklist will be appreciated.

June 27 Field Trip, continued.

Near or in, the tiny stream that drains the boggy area of the bottomland, were many sedges and speedwell, toad lily, meadow monkey flower, and buttercup. (*Veronica americana*, *Claytonia chamissoi*, *Mimulus primuloides*, and *ranunculusspecies*.)

White and gray clouds had been hovering beautifully over us until in mid-afternoon when they changed to a huge black expanse of sky. It shortened our exploration of this excellent site and sent us back through the sagebrush, refreshed and enriched, to the rain-soaked highway and our homes.

. Doris Fredendall

NEW MEMBERS

WE appreciate each new member, especially those who join our activities and enrich the experiences by sharing fresh ideas and expertise. Those who have joined our Chapter this month are:

Mel and Donna Hayes
1460 Lakehills Drive
Folsom, CA 95630

Warren B. Houghton
45151 N. 16th Street West
Lancaster, CA 93534

Lance Hinek
1412 Rocking "W" Drive
Bishop, CA 93545

Steven Pellegrini
76 Tognali Lane
Yerington, NV 89447

Patricia L. Welles
513 Oakwood Street
Tehachapi, CA 94561

INYO NATIONAL FOREST MANAGEMENT PLAN:

Responses to the draft were so overwhelming that the administration set up four work groups to address four of the most critical issues. The object was to find common ground between the extremely polarized viewpoints. The four topics were timber, grazing, wilderness, and the San Joaquin ridge. The Forest Service staff went far beyond the call of duty in scheduling the meetings and providing a helpful, cooperative atmosphere. Environmentalists were greatly outnumbered but they knew their subjects well enough to make a difference. For instance, the rigid anti-wilderness position in opposition to "locking up the land" and "jeopardizing national security" gradually mellowed as facts surfaced. The learning process was well worth the effort.

CHECK LIST FOR THE INDEPENDENCE BURN OF JULY 1, 1985

Plants listed have been noted at various times since the fire.

APIACEAE Parsley or Carrot Family

Angelica lineariloba Tall angelica
Tauschia parishii Parish tauschia

ASCLEPIADACEAE Milkweed Family

Asclepias fascicularis Narrow-leaf milkweed

ASTERACEAE Sunflower Family

Ambrosia acanthicarpa Sand-bur
Anisocoma acaulis Scale bud
Antheropear wallacei Easter bonnets
 SY- *Eriophyllum wallacei*
Artemisia dracunculus Tarragon
Artemisia ludoviciana MUGwort
Artemisia tridentata Big sagebrush
Chaenactis douglasii var. *rubricaulis* Red-stemmed pincushion
Chaenactis fremontii Fremont pincushion
Chrysothamnus nauseosus Rabbitbrush
Chrysothamnus vicidiflorus Curly-leaved rabbitbrush
Encelis virginensis ssp. *actoni* Bush sunflower
Erigeron breweri var. *porphyreticus* Boulder daisy
Eriophyllum pringlei Bud eriophyllum
Gnaphalium microcephalum var. *thermale* Slender cudweed
Hulsea heterochroma Great hulsea
Layia glandulosa White tidy-tips
Malacothrix californica var. *glabrata* Desert dandelion
Stephamomeria exigua Annual mitra
Stephanomwria parryi Parry rock-pink
Stephanomeria pauciflora Desert milk-aster
Tetradymia axillaris var. *longispina* Cotton-thorn
Tetradymia canescens Gray horsebrush

BORAGINACEAE Borage Family

Amsinckia tessellata Fiddleneck
Cryptantha barbiger Fuzzy forget-me-not
Cryptantha circumscissa Capped forget-me-not
Cryptantha confertiflora Golden forget-me-not
Cryptantha pterocarya Wing-nut forget-me-not
Cryptantha mohavensis Mojave forget-me-not
Cryptantha utahensis Fragrant for get-me-not
Tiquilia nuttallii Nuttall tiqulia
 SY- *Coldenis nuttallii*

BRASSICACEAE Mustard Family

Arabis pulchra Prince's rock-cress
Caulanthus cooperi Cooper caulanthus
Caulanthus pilosus Chocolate drops
Descurainia pinnata Tansy mustard
Lepidium fremontii Bush peppergrass

CAMPANULACEAE Bellflower Family

Nemacladud glandulosa var. *orientalis* Glandular threadstem

CARYOPHYLLACEAE Pink Family

Arenaria macradensis ssp. *ferrisiae* Baby's breath

CHENOPODIACEAE Saltbush or Goosefoot Family

Chenopodium atrovirens Mountain goosefoot

Ch. atoides lanata Winter fat

SY= *Eurotia lanata*

Salsola paulsenii Barbwire Russian thistle

CONVOLVULACEAE Morning-glory Family

Convolvulus arvensis Bindweed

DATISCAEAE Datisca Family

Datisca glomerata Durango root

EQUISETACEAE Horse-tail Family

Equisetum laevigatum Scouring rush

EPHEDRACEAE Ephedra Family

Ephedra nevadensis var. *nevadensis* Nevada ephedra

Ephedra viridis var. *viridis* Green ephedra, Mormon tea

EUPHORBIACEAE Spurge Family

Chamaesyce albomarginata Rattlesnake weed

SY= *Euphorbia albomarginata*

FABACEAE Pea Family

Lotus procumbens var. *jepsonii* Prostrate lotus

Lupinus excubitus Inyo Bush lupine

Melilotus alba White sweetclover

Astragalus sepultipes Independence milk-vetch

FAGACEAE Oak or Beech Family

Quercus kelloggii Black oak

GERANIACEAE Geranium Family

Erodium cicutarium Red-stemmed filaree

HYDROPHYLLACEAE Phacelia Family

Emmenanthe penduliflora Whispering bells

Nama arctioides Sagebrush nama

Nama depressum Narrow-leaved nama

Nama rothrockii Blue balls

Phacelia distans Common phacelia

Phacelia fremontii Yellow throats

Phacelia curvipes Dwarf phacelia

Tricardia watsonii Three hearts

LAMIACEAE Mint Family

Salvia columbariae Chia

Stachys albens White hedge-nettle

LILIACEAE Lily Family

Dichelostemma pulchellum Blue dicks

Smilacina stellata Star-flower

LOASACEAE Loasa Family

Mentzelia albicaulis
Mentzelia congesta

Little blazing star
 Flower baskets

MALVACEAE Mallow Family

Sphaeralcea ambigua

Apricot mallow

NYCTAGINACEAE Four-O'clock Family

Abronia turbinata
Mirabilis bigelovii

Transmontane sand-verbena
 Wishbone bush

ONAGRACEAE Evening Primrose Family

Camissonia claviformis
Camissonis pusilla
Oenothera hookeri

Brown-eyed primrose
 Little wiry primrose
 Tall yellow primrose

PAPAVERACEAE

Argemone munita ssp. *rotundata*
Eschscholzia minutiflora

Mountain prickly poppy
 Little gold-poppy

PLANTAGINACEAE

Plantago lanceolata

English plantain

POACEAE Grass Family

Bromus tectorum
Leymus triticoides
 SY= *Elymus triticoides*
Oryzopsis hymenoides
Poa secunda
Stipa speciosa
Sitanion hystrix
Phragmites australis

Downy brome
 Creeping wildrye
 Indian ricegrass
 Varied bluegrass
 Desert needlegrass
 Squirreltail
 Common reed

POLEMONIACEAE Phlox Family

Eriastrum wilcoxii
Eriastrum densifolium
Gilia brecciarum ssp. *neglecta*
Gilia ochroleuca ssp. *ochroleuca*
Gilia transmontana *Leseliastrum matthewsii*
 SY= *Langloisia matthewsii*
Linanthus dichotomus
Linanthus parryae
Phlox superba

Wilcox woolly star
 Blue mantle
 Kern-Inyo Gilia
 Volcanic pale gilia
 Sunbonnets
 Evening snow
 Sand blossoms
 Stansbury phlox

POLYGONACEAE Buckwheat Family

Centrostegia thurberi
 SY= *Chorizanthe thurberi*

Red triangles

Eriogonum fasciculatum var. *polifolium* California buckwheat
Eriogonum maculatum Spotted buckwheat
Eriogonum nidularium Bird's-nest, whiskbroom
Eriogonum microthecum var. *ambiguum* Yellow microthecum buckwheat

POLYGONACEAE Buckwheat Family, continued	
<i>Polygonum lapathifolium</i> var. <i>salicifolium</i>	Willow smartweed
<i>Rumex salicifolius</i>	Willow dock
PORTULACACEAE Purslane Family	
<i>Calyptidium monandrum</i>	Sand cress
RANUNCULACEAE Buttercup Family	
<i>Aquilegia shockleyi</i>	Mojave columbine
<i>Clematis ligusticifolia</i>	Virgin's bower
<i>Delphinium parishii</i>	Desert larkspur
RHAMNACEAE Buckthorn Family	
<i>Ceanothus leucodermis</i>	Wild lilac
<i>Rhamnus californica</i> var. <i>cuspidata</i>	Coffee berry
ROSACEAE Rose Family	
<i>Potentilla biennis</i>	Green cinquefoil
<i>Prunus andersonii</i>	Desert peach
<i>Purshia glandulosa</i>	Desert bitterbrush
<i>Rosa woodsii</i>	Wild rose
SALICACEAE Willow Family	
<i>Salix exigua</i>	Narrow-leaf willow
<i>Salix lasiolepis</i>	Arroyo willow
SCROPHULARIACEAE Figwort Family	
<i>Castilleja chromosa</i>	Desert paintbrush
<i>Castilleja miniata</i>	Tall paintbrush
<i>Mimetanthe pilosa</i>	Clammy mimulus
SY= <i>Mimulus pilosus</i>	Scarlet mimulus
<i>Mimulus cardinalis</i>	Scarlet mimulus
<i>Mimulus biglovii</i>	Bigelow mimulus
<i>Mimulus guttatus</i>	Common monkey-flower
<i>Mimulus dloribundus</i>	Spring mimulus
<i>Scrophularia desertorum</i>	Figwort
SOLANACEAE Nightshade Family	
<i>Nicotiana attenuata</i>	Coyote tobacco
<i>Solanum xanti</i>	Mountain nightshade
URTICACEAE Nettle Family	
<i>Urtica dioica</i> ssp. <i>gracilis</i>	Stinging nettle

See past issues: Vol. 4, No. 6 and Vol. 5, No. 2.

Please include this announcement in your next local chapter newsletter. This is a non-profit group effort that depends on enough interested parties to make it happen. The sooner we get replies, the more likely we will succeed.

Sincerely

Tim Cass
San Diego, California.

CHARTER BOAT TRIP TO GUADALUPE AND CEDROS ISLANDS
OF COASTAL BAJA CALIFORNIA, MEXICO MARCH 26 THRU APRIL 1, 1988.

Several botanist, ornithologist and naturalist have expressed an interest in a charter boat trip to Guadalupe, Cedros and San Martin Islands during the Easter break of 1988. The primary purpose of the trip is the observation of the unique flora and fauna of these islands and surrounding waters. Much of the time will be spent hiking and exploring the interesting biology and geology of the islands. There will also be abundant marine mammal and sea bird observations in route and on the islands. Plans are to have prominent botanists from Mexico and the U.S. on the trip and persons knowledgeable of marine mammals, birds and island biogeography.

This a non-profit cooperative charter that will cost approximately \$950 per person for the 7 day trip. All meals and lodging on the vessel are included. Departure from San Diego will be Saturday March 26 and returning on Friday April 1. Plans are to spend 3 days in the vicinity of Guadalupe Island with onshore hikes to visit the Monterey Pine and Guadalupe Cypress forest and other botanical and wildlife interests. Hopefully we will be able to gain permission to spend one night on the island in the cypress forest found at the higher elevations. A day will be spent on Cedros Island and a half day on San Martin if time is available.

This is a unique opportunity that is rarely offered and is reasonably priced. Space is limited to 32 persons. A minimum of 23 people are necessary for the trip cost per person to be \$950. If we have a full vessel of 32 people on the trip, the cost will be approximately \$800.00 each.

You are encouraged to send in your reservations as early as possible in order to reserve the vessel for the charter trip and a space for yourself. A 25% reservation deposit of \$237.50 is required from each individual. Thereafter, payments of \$237.50 are due December 1, February 1 and March 1, 1988. Refunds due to cancellations are contingent upon that vacancy being filled. A potential rebate of up to \$150 per person is possible if we have a full vessel. The rebate would be mailed to each payee within 30 days of trip completion.

More information is available by contacting Margie Stinson at (619) 726-2228, Thomas Oberbauer at (619) 225-8397 or writing to Biological Adventures, 2830 Garrison, San Diego, Cal. 92106. The trip is sure to be fun and educational. Don't miss out.

CALIFORNIA NATIVE PLANT SOCIETY - Membership Application

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.

Name _____ P.O. or Street _____

City _____ State _____ Zip _____ Phone _____

Membership Category:

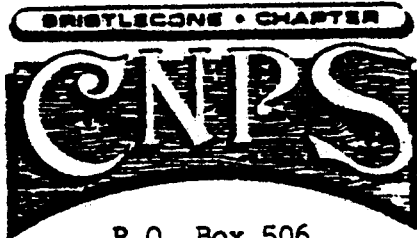
_____ Life, Couple	\$500	I wish to be affiliated with the
_____ Life, Individual	450	Bristlecone Chapter _____
_____ Supporting	50	Other _____
_____ Household	30	
_____ Individual or Library	18	Please make check payable to:
_____ Student or Retired	12	California Native Plant Society
_____ Retired Couple	15	Mail to: Bristlecone Chapter, CNPS

GIFT contribution: Where most
needed _____ Conservation _____

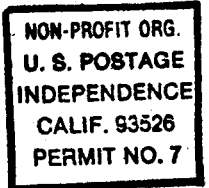
P.O. Box 506
Independence, CA 93526

The BRISTLECONE NEWSLETTER comes out bimonthly. It is mailed free to members of the Bristlecone Chapter, CNPS. The subscription is \$5.00 per year for others.
Editor: Mary DeDecker.

California Native Plant Society



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



Mary & Paul DeDecker
P.O. Box 506
Independence, CA 93526