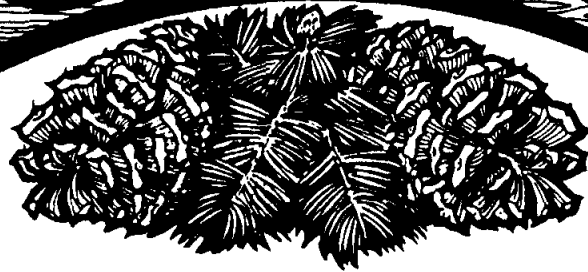


NEXT MEETING

September 24 in Independence. Put it on your calendar! Time, place and program will be announced in the news media.



PRESIDENT'S MESSAGE:

It has been an eventful summer so far. Miss Liberty was rejuvenated. The Independence burn area was a mass of flowers. An osprey nested on the tufa near Rush Creek. Things move on.

Vince and I went to the state meeting in Quincy. On the field trip to Butterfly Valley we saw many interesting plants. I'll show the slides later.

. Ann Yoder

FIELD TRIP REPORTS

May 24, Eureka Dunes:

A small but dedicated group trekked to the Eureka Dunes in a joint Bristlecone Chapter/Eastern Sierra Audubon Society work party. It was an impromptu effort, between regular field trips, to remove barbwire Russian thistle, *Salsola paulsenii*, before it matured. Rapid invasion of this pest had occurred during the years of ORV activity on the dunes and it remains a serious competitor to the native species. We stopped at Joshua Flats en route where Doris Fredendall showed us a lovely garden of desert mariposas, *Calochortus kennedyi*, and Mike and Nancy Prather spotted a Scott's oriole nearby.

Arriving at the dunes we worked around the picnic area where we uprooted some sixteen hefty bags of the invader. The thistles varied in size from thumb-nail to 12 inches in diameter. On our hands and knees we got close looks at the plentiful string plant, *Tiquilia plicata*, and many large, healthy individuals of the endemic Eureka primrose, *Oenothera avita ssp. eurekaensis*, interspersed with apricot mallow, *Sphaeralcea ambigua*, dune broom, *Chaetadelpa wheeleri*, desert marigold, *Baileya multiradiata*, and naked cleome, *Cleome sparsifolia*, among others. Huge bushes of dotted dalea, *Psoralea polydenius*, furnished cover for small creatures of the dunes and provided stable places between their roots for burrows.

After filling one pickup truck and one car trunk with our haul, we drove to the main parking area for a quick survey. There we noted with some dismay the extensive spread of the weed. None of the plants, however, seemed to reach a very large size this year.

With scratched arms and legs and aching muscles, we drove back to Owens Valley with a sense of accomplishment tinged with an awareness of the many work hours still needed for eradication.

Special thanks go to the Prather family, Mike and Nancy for leading the trip, and Robin and Phoebe for picking up litter at the site.

. Judy Wickman

May 31, Fish Slough:

A day at Fish Slough is always a special experience. It provides exposure to an extensive wetland bordered by moist alkali flats and dry slopes. We saw the endemic Fish Slough milk-vetch, *Astragalus lentiginosus* var. *piscinensis*, and a Great Basin species, *Astragalus agrophyllus* var. *agrophyllus*, at this first known site in California, and checked off a surprising number of plants on the checklist in hand. This was prepared by Forbes, Ferren and Haller of U. C. Santa Barbara as part of a long-term study of Fish Slough. We also added a few desert annuals to the list.

It was a very pleasant day, broken by a lunch stop at BLM Spring. That is a lovely oasis which supports a thriving population of Owens Valley pupfish, besides being the type locality of the Fish Slough milk-vetch.

. Mary DeDecker

June 14, McMurry Meadows:

This was another rewarding day hike. Leader Doris Fredendall, who had scouted the area, led us on a flower walk to see the special things she had found. Although it was too late for early annuals, we enjoyed a wide variety of meadow and streamside species along with those of the bordering Sagebrush Scrub Community.

A short trip over into the Fuller Creek drainage took us to a shady lunch spot overlooking an extensive meadow sloping to the stream below. We enjoyed welcoming members from outside the area who seldom are able to join our trips.

See the McMurry Meadows plant list on page 6.

. Mary DeDecker

* * * * *

NEW MEMBERS

We extend a warm welcome to the following:

Lennea Borg
22 Churchill Avenue
Palo Alto, CA 94306

J. L. Pecka
5973 Irwin Place
Englewood, CO 80112

Dennis Jaques (Former member,
4455 Ruskin Place reinstated)
No. Vancouver, BC VFR 3P7
Canada

Oren Pollak
Dept. of Geography
University of California
Davis, CA 95616

William F. McCaffrey
P.O. Box 370
Rescue, CA 95672-0370

Karen Wilson
839 Bayside Road #34
Arcata, CA 95521

A CHECKLIST OF PLANTS OF McMURRY MEADOWS AND VICINITY,
BIRCH CREEK DRAINAGE, between 6200 and 7000 feet in elevation.

APIACEAE. Parsley or Carrot Family.

Angelica lineariloba. Tall angelica, Sierra soda-straw.
Berula erecta. Berula.

ASCLEPIADACEAE. Milkweed Family.

Asclepias fascicularis. Narrow-leaf milkweed.
Asclepias speciosa. Showy milkweed.

ASTERACEAE. Sunflower Family.

Achillea millefolium var. *lanulosa*. Yarrow
Agoseris retrorsa. Snowball dandelion.
Artemisia dranunculus. Tarragon, dragon sagewort.
Artemisia ludoviciana. Western mugwort.
Artemisia tridentata ssp. *tridentata*. Big sagebrush, basin sagebrush
Balsamorhiza sagittata. Balsamroot.
Chaenactis douglasii. Douglas pincushion.
Chrysothamnus nauseosus ssp. *hololeucus*. Whiteleaf rabbitbrush.
Chrysothamnus viscidiflorus ssp. *viscidiflorus*. Curly-leaved
Cirsium arvense. Canada thistle. rabbitbrush.
Cirsium congdonii (*Cirsium drummondii*). Rosette thistle.
Crepis occidentalis ssp. *occidentalis*. Western hawksbeard.
Crepis runcinata ssp. *hallii*. Meadow hawksbeard.
Ericameria cooperi (*Haplopappus cooperi*). Cooper goldenbush.
Erigeron breweri var. *porphyreticus*. Boulder daisy.
Erigeron lonchophyllus. Little meadow daisy.
Iva axillaris. Poverty weed.
Machaeranthera canescens ssp. *canescens*. Sticky aster.
Stephanomeria pauciflora. Desert milk-aster.
Taraxacum officinale. Common dandelion.
Tetradymia canescens. Gray horsebrush.

BETULACEAE. Birch Family.

Betula occidentalis. Water birch, copper birch.

BORAGINACEAE. Borage Family.

Cryptantha circumscissa. Capped cryptantha.
Tiquilia nuttallii (*Coldenia nuttallii*). Nuttall tiqulia.

BRASSICACEAE. Mustard Family.

Arabis inyoensis. Inyo rock-cress.
Arabis pulchra. Prince's rock-cress.
Caulanthus pilosus. Chocolate drops.
Erysimum capitatum. Wallflower.
Lepidium densiflorum var. *densiflorum*. Common pepper-grass.
Nasturtium officinale (*Rorippa nasturtium-aquaticum*). Water-cress.
Thelypodium crispum. Alkali thelypodium.

CACTACEAE. Cactus Family.

Opuntia erinacea var. *erinacea*. Mojave prickly pear.

CAPPARIDACEAE. Caper Family.

Cleomella parviflora. Small-flowered stinkweed.

CAPRIFOLIACEAE. Honeysuckle Family.

Sambucus caerulea var. *caerulea*. Blue elderberry.

CARYOPHYLLACEAE. Pink Family.

Arenaria macradenia ssp. *ferrisiae*. Baby's breath, Ferris sandwort.

Cerastrium fontanum ssp. *triviale* (*Cerastrium vulgatum*). Mouseear

**Dianthus armeria*. Grass pink. chickweed.

Silene menziesii ssp. *dorrii*. Menzies campion.

Stellaria longipes. Creek stellaria.

CHENOPODIACEAE. Goosefoot or Saltbush Family.

Atriplex canescens. Fourwing saltbush.

Ceratoides lanata (*Eurotia lanata*). Winter fat, lamb's-tail.

CONVOLVULACEAE. Morning-glory Family.

Calystegia longipes. Wild morning-glory.

CYPERACEAE. Sedge Family.

Carex douglasii. Douglas sedge.

Carex nebrascensis. Nebraska sedge.

EPHEDRACEAE. Ephedra Family.

Ephedra nevadensis. Nevada ephedra.

Ephedra viridis. Green ephedra, Indian tea.

EQUISETACEAE. Horsetail Family.

Equisetum laevigatum. Scouring rush.

FABACEAE. Pea Family.

Astragalus purshii var. *tinctus*. Long-flowered Pursh milk-vetch.

Lotus oblongifolius var. *oblongifolius*. Narrow-leaved lotus.

Lotus procumbens var. *jepsonii*. Silky California broom.

Lotus purshianus var. *purshianus*. Spanish clover.

Lupinus confertus. Meadow lupine.

Lupinus excubitus. Inyo bush lupine.

Melilotus alba. White sweetclover.

Psoralethamnus arborescens var. *minutifolius*. Indigo bush, blister

Trifolium repens. White clover. dalea.

Trifolium variegatum. Small-headed clover.

Trifolium wormskioldii. Cow clover.

GERANIACEAE. Geranium Family.

Erodium cicutarium. Red-stemmed filaree.

HYDROPHYLLACEAE. Waterleaf or Phacelia Family.

Hesperochiron californicus. California hesperochiron.

Phacelia curvipes. Dwarf phacelia.

IRIDACEAE. Iris Family.

Iris missouriensis. Wild iris.

Sisyrinchium halophilum. Nevada blue-eyed grass.

LAMIACEAE. Mint Family.

Marrubium vulgare. Horehound.

Monardella linoidea. Flax-leaved monardella.

LILIACEAE. Lily Family.

Allium atropurpureum var. *inyoensis*. Inyo onion.
Allium biscepturn var. *biscepturn*. Aspen onion.
Calochortus bruneaunus. Sege lily.
Calochortus excavatus. Alkali mariposa.
Dichelostemma pulchellum. Blue dicks.
Smilacina stellata. Star flower.
Zigadenus paniculatus. Sand-corn.

LINACEAE. Flax Family.

Linum lewisii. Blue flax.

LOASACEAE. Loasa Family.

Mentzelia albicaulis. Little blazing star.
Mentzelia congesta. Flower baskets.

MALVACEAE. Mallow Family.

Sphaeralcea ambigua. Apricot mallow.

NYCTAGINACEAE. Four o'clock Family.

Mirabilis bigelovii. Wishbone bush.
Mirabilis multiflora var. *pubescens* (*Mirabilis froebelii*).

ONAGRACEAE. Evening Primrose Family.

Gayophytum decipiens. Gravel gayophytum.
Oenothera avita ssp. *avita*. Gray desert evening primrose.

ORCHIDACEAE. Orchid Family.

Spiranthes porrifolia. Ladies' tresses.

OROBANCHACEAE. Broom-rape Family.

Orobanche fasciculata. Mountain strangler.

PAPAVERACEAE. Poppy Family.

Argemone munita ssp. *rotundata*. Mountain prickly poppy.

PLANTAGINACEAE. Plantain Family.

Plantago lanceolata. English plantain.

POACEAE. Grass Family.

Agrostis stolonifera var. *stolonifera*. Creeping bent.
Holcus lanatus. Velvet grass.
Leymus cinereus (*Elymus cinereus*). Ashy wildrye.
Leymus triticoides (*Elymus triticoides*). Creeping wildrye.
Oryzopsis hymenoides. Indian ricegrass.
Phleum pratense. Common timothy.
Polypogon monspeliensis. Rabbitfoot grass.
Stipa comata. Needle-and-thread grass.
Stipa speciosa. Desert needlegrass.

POLEMONIACEAE. Phlox Family.

Eriastrum densifolium ssp. *elongatum*. Heavenly blue.
Eriastrum wilcoxii. Wilcox woolly gilia.
Langloisia mathewsii. Sunbonnets.
Leptodactylon pungens var. *pungens*. Granite gilia.
Linanthus parryae. Sand blossoms.
Phlox longiflora var. *stansburyi*. Stansbury phlox.

POLYGONACEAE. Buckwheat Family.

- Chorizanthe brevicornu*. Brittle chorizanthé.
- Chorizanthe thurberi*. Red triangles.
- Eriogonum fasciculatum* var. *polifolium*. California buckwheat.
- Eriogonum kennedyi*. Kennedy buckwheat.
- Eriogonum microthecum* var. *ambiguum*. Yellow microthecum buckwheat.
- Eriogonum umbellatum* var. *umbellatum*. Sulphur-flower.
- Eriogonum wrightii* var. *subscaposum*. Wright buckwheat.
- Rumex crispus*. Curly dock.
- Rumex salicifolius*. Willow dock.

PRIMULACEAE. Primrose Family.

- Dodecatheon pulchellum*. Alkali shooting star.

RANUNCULACEAE. Buttercup Family.

- Aquilegia formosa* var. *truncata*. Red columbine.
- Clematis ligusticifolia*. Virgin's bower.
- Ranunculus aquatilis* var. *capillaceus*. Water buttercup.
- Ranunculus cymbalaria* var. *saximontanus*. Desert buttercup.

RHAMNACEAE. Buckthorn Family.

- Ceanothus greggii* var. *vestitus*. Desert lilac.
- Rhamnus californica*. Coffeeberry.

ROSACEAE. Rose Family.

- Potentilla pectinisecta*. Alkali potentilla.
- Prunus andersonii*. Desert peach.
- Purshia glandulosa*. Desert bitterbrush.
- Rosa woodsii* var. *ultramontana*. Wild rose.

SALICACEAE. Willow Family.

- Salix drummondiana*. Bluish willow.
- Salix lasiolepis*. Arroyo willow.

SAXIFRAGACEAE. Saxifrage Family.

- Ribes velutinum* var. *glanduliferum*. Plateau gooseberry.

SCROPHULARIACEAE. Figwort or Snapdragon Family.

- Castilleja chromosa*. Desert paintbrush.
- Castilleja linariaefolia*. Wyoming paintbrush, long-leaved paintbrush.
- Mimulus guttatus*. Common monkey-flower.
- Penstemon patens* (*Penstemon confusus* ssp. *patens*). Owens Valley
- Penstemon rydbergii* var. *oreocharis*. Meadow penstemon./penstemon.
- Verbascum thapsus*. Mullein.
- Veronica americana*. American brooklime.

SOLANACEAE. Nightshade Family.

- Nicotiana attenuata*. Coyote tobacco.

VIOLACEAE. Violet Family.

- Viola purpurea* ssp. *xerophyta*. Gray violet.

Many species, especially the early annuals, grasses, and aquatics are not yet listed. We are working toward a complete checklist, so please help us by reporting any additional species for the area.

*This may be the first site for this plant reported in eastern California. ABRAMS shows it as a native of Europe, sparingly established in Oregon and Washington. J. T. Howell found it in Butte County in 1962, however, and it has also been noted in Sierra and Trinity counties. The plant is a stiffly erect, grayish annual up to 18 inches tall. The few terminal flowers have pink petals with whitish dots and are fringed at the apex. We found it on some of the more remote grassy plots. It does not seem to be an aggressive invader, and it is attractive enough to be welcomed.

COMING FIELD TRIPS

August 21: Crooked Creek, White Mountains. Leader: Jim Morefield. Jim has been studying the White Mountain flora for the last few years, so is familiar with the area. We will visit the subalpine country between 9000 and 10,000 feet in elevation. Meet north of Big Pine by the Triangle Campground at the intersection of Highway 395 and Route 168 at 9:00 a.m. Easy to moderate walking.

September 20: Cottonwood Creek and Horseshoe Meadow, Sierra Nevada southwest of Lone Pine. Leader: Mark Bagley. Join us for a day hike in the montane forest and meadows at about 9500 to 10,500 feet. After the trip everyone is invited to a potluck dinner at Betty Gilchrist's home in the Alabama Hills. Those who will participate in the potluck are to meet at the junction of Horseshoe Meadow Road and Sunset Drive at 9:00 a.m., to be directed to Betty's home to leave food there. Others may meet the group when it arrives up at the Cottonwood Creek trailhead just above the Cottonwood Pack Station. The road is paved to that point. Easy to moderate walking, about five miles.

October 11: Conway Summit and Virginia Creek, north of Mono Lake. Leader: Mark Bagley. We will explore the riparian habitats in this beautiful area, at about 8000 to 9000 feet in elevation. Hopefully the aspen will be in full autumn glory. Meet at the Conway Summit pullout on Highway 395. Easy walking.

Bring lunch, water or other drinks, hat, sunscreen, plenty of gas, etc. Remember, even when it is very hot in the valley it can be chilly at higher elevations. Be prepared with a daypack to carry lunch, etc. on our August and September trips. Guest are welcome, but please no pets.

Our tentative August trip to Tuolumne Meadows did not work out. Maybe next year! Please call Mark Bagley, Field Trip Leader, with any questions or good suggestions. Phone: (619) 873-5326.

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INYO WATER

Inyo County and the Los Angeles Department of Water and Power (LADWP) have been operating under the 5-year trial period of the water agreement. It is time now to start preparing for the long-term management plan to follow. Although this is hailed as a joint agreement, the LADWP people have made it clear that they will make the decisions on month to month groundwater pumping. They say that they will receive input from Inyo County, but so far there is nothing binding them to give it any weight. This critical question has not been clarified, and it appears that the Inyo County Supervisors have no intention of pushing it. They seem to find it more comfortable to bask in the favor of Los Angeles officials than to take a firm stand toward protecting the interests of Inyo County citizens. It remains to be seen whether the Inyo Water Commission does any better in making recommendations. This is a vital key to determining whether native vegetation is to be protected or allowed to be callously impacted.

We would like to devote a whole newsletter to book reviews, there are so many worthy of it. At least we will call a few to your attention.

FLOWERING PLANTS, the Santa Monica Mountains, Coastal & Chaparral Regions of Southern California, by Nancy Dale with photographs by CNPS members. This book obviously is the product of much thought and devotion. The text gives a good discussion of each species and the photographs are beautiful. Price \$12.95 plus \$2.00 for tax and shipping. Send check, payable to CNPS, to FLOWERING PLANTS - CNPS, 6223 Lubao Avenue, Woodland Hills, CA 91367.

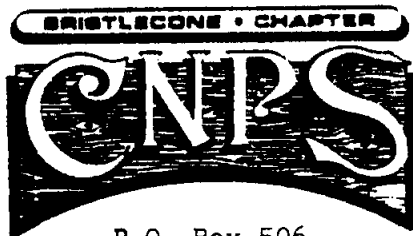
A FLORA OF SAN DIEGO COUNTY, CALIFORNIA by R. Mitchel Beauchamp. A comprehensive work with keys and descriptions, a valuable addition to any botanical library and a must for southern Californians. Soft cover \$22.95, hard cover \$28.95, plus tax and \$2.00 shipping per book. Order from Mitch Beauchamp, P.O. Box 985, National City, CA 92050.

GRANITE MOUNTAIN SPRING, an Introduction to the Eastern Mojave Desert, California, with text and illustrations by Flora Pomeroy. A delightful book by a gifted young naturalist. Her sensitive observations would enrich any visit to the desert. The price is \$5.00 plus \$2.00 for shipping. Make check payable to UC Regents and send to Environmental Field Program, 223 Kerr Hall, UC Santa Cruz, Santa Cruz, CA 95064

SEASONS OF THE WIND by Janice Emily Bowers is all about sand dunes. It is a fascinating study of those specialized habitats and the plants which grow there. It is published by Northland Press, Flagstaff, Arizona, the price \$10.95. Look for it in your favorite bookstore.

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



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