

Carpenteria

CNPS SEQUOIA CHAPTER



September 2016
www.cnps-sequoia.org

CONSERVATION REPORT

--**Jeanne Larson**

©1995 Saint Mary's College of California
-*Carpenteria californica*-



Carpenteria californica, or bush anemone, is our Sequoia Chapter logo. It was chosen because it is endemic to Fresno County, only found growing in the foothills between the San Joaquin and Kings Rivers. However, one or two rare sightings have been reported in Madera County.

This year's Goose Fire burned about half of the 1670 acres that make up Black Mountain, a *Carpenteria* preserve. Fire in this area hasn't burned in perhaps ninety years. Consequently, there were some areas where the fire intensity was very hot. Revegetation of those areas will be lengthy, perhaps as long as 30 years. In areas where the burn was not so intense, next spring should produce a

bountiful wildflower show. Areas covered by slurry (diammonium phosphate fertilizer in suspension with colorant) will produce more abundant forage in the 1) herbage or 2) grasses and forbes.



I was recently browsing a FREMONTIA from September 2014 (V.42, No.3, Pg.7) titled "Managing Burned Landscapes in the Sierra Nevada: Back to the Future (Slowly)" by Carolyn Longstreth. Some highlights read as follows: "Early succession vegetation...is adapted to postpone reproduction until stand-replacing disturbance—usually fire—releases resources of light, moisture, and nutrients that had previously been scarce... For example, many kinds of shrubs including yerba santa (*Eriodictyon californicum*), manzanita (*Arctostaphylos* spp.),



-*Adenostoma fasciculatum*- ©2009 Keir Morse

and chamise (*Adenostoma fasciculatum*), resprout from burls or lignotubers—vegetative buds on deep underground stumps—sometimes as soon as two weeks post-fire. [Seed exposed to heat in the range of 100°C to 130°C breaks their waterproof barrier and allows moisture to enter and germination to occur. Very intense heat destroys seed]."



-*Adenostoma fasciculatum*- ©1995 Saint Mary's College of California

"[In another adaptation, plants such as bush anemone, chamise, golden ear drops (*Ehrendorferia chrysantha*), Baker's globe mallow (*Iliamna bakeri*), and Greenleaf Manzanita (*Arctostaphylos patula*)] require exposure to chemicals leached from charred wood to trigger germination, normally within two years following a fire."

This rare occurrence of *Carpenteria* germination should be interesting to follow. Let's hope for a good winter rainy season.

FIELD REPORT

--Jane Pritchard & Eileen Bennet

Rare Plants of Patterson Mountain (Part 1)

On July 30, 2016 everybody drove up Dinkey Road past McKinley Grove and met at the Hall Meadow campground to carpool. We continued up McKinley Grove Road and turned right down Black Rock Road above the Kings River drainage past the Sawmill Flat campground. *Carlquistia muirii* (Muir's tarplant*), *Heterotheca villosa* var. *minor* (hairy golden aster), *Eriogonum lobbii* (Lobb's buckwheat), and *Cordylanthus tenuis* ssp. *barbatus* (Fresno County bird's-beak*) grew among the granite rocks on the uphill bank of the road. *Lepidium virginicum* ssp. *virginicum* (peppergrass) inhabited the dry disturbed roadside.

We backtracked and turned left on McKinley Grove Road and left again up the Patterson Mountain dirt road (11S15). We parked among some trees and walked to a beautiful meadow/bog/fen. The fen jiggled when you bounced it up and down. Tall white *Oxypolis occidentalis* (western cow bane) and *Perideridia howellii* (yampah) lined the boggy edges. Rose-colored *Epilobium canum* (fireweed) grew among a clump of willows on the opposite side. Yellow *Phalacroseris bolanderi* (Bolander's mock dandelion) was helping hold the meadow together with its root system. White *Spiranthes romanzoffiana* (ladies tresses) were thick. Their form was slightly different than ones I had seen before. Plants in the Sierra Nevada may be hybridized species, for which *S. stellata* might be correct.



-*Carlquistia muirii*- ©2013 Keir Morse



-*Platanthera yosemitensis*-
©2016 Keir Morse ([CC BY-NC-SA 3.0](https://creativecommons.org/licenses/by-nc-sa/3.0/))

Other species included rose-colored *Epilobium oregonum* (Oregon fireweed* – not listed in TJM2 for this area), yellow *Senecio scorzonella* (Sierra ragwort), *Juncus xiphioides* (iris-leaved rush), white-tipped magenta *Trifolium wormskioldii* (cow clover), white *Bistorta bistortoides* (western bistort), a short annual purple to yellow grass *Muhlenbergia filiformis* (pull-up muhly), *Deschampsia cespitosa* ssp. *cespitosa* (tufted hair grass), *Saxifraga hyperborea* or *S. mertensiana* (pigmy or wood saxifrage—both uncommon), *Pedicularis attollens* (little elephant's head), unspciated *Spaghnum* moss, *Gentianopsis simplex* (hiker's gentian), *Gentianopsis holopetala* (Sierra gentian), *Platanthera yosemitensis* (Yosemite rein-orchid*), green mosses *Meesia triquetra** and *M. uliginosa**, yellow *Philonotis fontana* moss, *Vaccinium uliginosum* ssp. *occidentale* (western blueberry), yellow *Mimulus primuloides* (primrose monkey-flower), white-pink *Galium trifidum* ssp. *columbianum* (trifid bedstraw) with three petals instead of the usual four, gold-salmon *Hypericum anagalloides* (tinker's penny), and *Camassia leichtlinii* ssp. *suksdorfii* (camas) that had gone to seed.

Farther up 11S15 *Tauschia howellii* (Howell's tauschia, unbrellawort), *Lupinus fulcratus* (California green-stipuled lupine), yellow to red *Eriogonum incanum* (frosted wild buckwheat), white to rose *Eriogonum spergulinum* var. *spergulinum* (spurry wild buckwheat), and matted *Lupinus breweri* var. *grandiflorus* (showy brewer's lupine) grew in decomposed granite in a more open area. We ate lunch there at the top of Patterson Mountain while sitting on a big red fir log.

(Part 2 will be continued in next month's newsletter.)

Many thanks to Chris Winchell for setting up and leading this trip and for bringing together so many knowledgeable people from diverse areas of the state.



-*Eriogonum incanum*- ©2009 Barry Breckling

*Listed in CNPS Inventory of Rare & Endangered Plants of California, 8th edition.

CHINA CREEK REPORT

--Warren Shaw

July/August 2016 work party

Our goal on the warm Saturday in July was to finish hand digging and pulling yellow starthistle (*Centaurea solstitialis*, YST) in the southeast area of the Park. Since it was blooming, it was necessary to haul it out to the road. We piled it high in the old pickup trailer before our 10:00 muffin break and piled another full load after break, but didn't quite finish the job. It was so hot that people who usually can't be persuaded to quit at 12:00 were heading for the shade by 11:45; still, millions of YST seeds will fall harmlessly onto the blacktop.



-YST- © 2009 Barry Rice

In August, on a slightly cooler day we actually did finish the southeast area by break time, adding another load to the growing pile on the blacktop. After lemonade, coffee, and muffins, we took some time to discuss the future of the Park, and voted to celebrate the completion of the task of cleaning out the YST (almost entirely by hand, without chemicals, in an area once densely infested—an achievement involving over ten years of sweat and toil, and a proud moment indeed) by way of knocking off early.

HELP WANTED. Despite our progress toward the stated goal of returning the Park to a state as nearly “natural” as possible, there is a great deal more to do. To accomplish this we need a plan. To be sure we have a good plan, we need smart, dedicated people to sit on a steering committee. Please give joining this committee some thought. To volunteer, contact Warren Shaw at <warshaw1955@gmail.com> or (559) 451-1256.

The September work party will be **Saturday, 9-17, from 8:00-12:00**. We'd love to have you join us. For more information contact Warren Shaw.

China Creek Park is located on the west side of Centerville, 16 miles east of Fresno on Highway 180. To get there, drive east on Kings Canyon/ Highway 180, 16.5 miles to Centerville. Turn right (south) on Smith Road and drive 0.2 miles to Rainbow Drive. Continue on Smith Road down the small road 0.5 miles to the Park gate at the end of the road.

INVITATION TO VOLUNTEER

--Thelma Valdez

Water-Wise Plant Sale & Fair

When: Saturday, October 15, 2016 from 8 am to 1 pm **Where:** Clovis Botanical Garden

Can you help? Below is a list of volunteer tasks that need you, whether for a few hours or for the entire time of the sale:

- Promote the plant sale! Post a notice on your Facebook page. Take a picture of your favorite California native plant and let folks know where they can buy them! Send a tweet!
- Tell your friends, family, and co-workers. Send them to the home page of our website (www.cnps-sequoia.org) for details.
- Help prepare the Garden on the Thursday and/or Friday before the sale.
- Unload the plant delivery on Thursday.
- Help organize the plants on Friday.
- Assist customers taking plants to their cars.
- Answer customer questions if you know about gardening with natives.
- Be a sales assistant - tally the number of plants and write up the sales slip before the customer pays cashier.
- Assist at the plant holding area for ongoing shoppers.
- Assist at the 1 p.m. cleanup at the end of the sale.

Contact any of the Chapter Officers listed in this newsletter. They will make sure to put you in touch with an organizer. We really can use your help.



Upcoming Events and Classes

•Sunday, September 18—CNPS-Sequoia Chapter Business Meeting

1:00 – 3:00pm

Location: Clovis Botanical Garden (pavilion)
945 N. Clovis Avenue, Clovis
Just north of Alluvial at Dry Creek



- All are welcome to attend the meeting. All levels of experience are valued and needed in the Chapter.
- There is no cost to enter the garden. Please join us.

For details contact any Chapter Officer listed in this newsletter.

•Saturday, October 15 –Water-Wise Plant Sale & Fair

8:00am – 1:00pm



Location: Clovis Botanical Garden
945 N. Clovis Avenue,
Clovis, CA

Just north of Alluvial at Dry Creek

- This is the 12th year that the Sequoia Chapter has joined forces with the Clovis Botanical Garden (CBG) to help local residents learn about and purchase California native plants and water-wise plants in general. We can use your help and your attendance. Surely you are ready to add a long-admired native plant to your garden! Or perhaps you're finally ready to start "going native."
- This year is extra special because CBG's California native plant garden is just under a year old. Be part of watching and helping this garden to grow and demonstrate why California natives belong in our local gardens.

For details or if you would like to volunteer contact any Chapter Officer listed in this newsletter.

•Saturday, September 17 –Permaculture Water Harvesting Class

9:30am – 12:00pm

Cost: \$10.00

Location: Intermountain Nursery
30443 N. Auberry Road
Prather, CA 93651

- Taught by Certified Permaculturalists.
- Learn about the many techniques used to keep water on your land using Permacultural methods.
- Indoor presentation and question and answer session.

For details call Intermountain Nursery at 559-855-3113

•Wednesday, October 5—Pasture Walk: Radical New Grassland Management Ideas

9:00am – 12:00pm

Registration Fee: \$20.00

Location: Park and meet at Seka Hills Tasting Room
19326 County Road 78
Brooks, CA



- Presented by California Native Grasslands Association
- This is a short introduction to holistic grazing.
- Go for a walk with three grassland and range management specialist and look at the land.
- Discuss radical new ideas for managing grasslands:
 - How does nature grow soil, and biodiversity, and productivity at no cost?
 - What simple and practical tools does nature use to keep plants from being overgrazed, keep soil covered, store more water, and keep communities of life diverse, resilient, more productive, and self-regenerating? Why aren't we using them?
 - Can you sequester more carbon from the atmosphere with livestock?
 - How can you quickly and easily monitor the effects of your management on grassland with hard data?
 - What is Allan Savory's holistic planned grazing? Will it work in 'annual' grassland? How will native species respond?
- Lunch is not included. Registration is limited to 40 people.

For details go to the following website:
<http://cnga.org/page-1626415>

**SEQUOIA CHAPTER OFFICERS*
AND COMMITTEE CHAIRS**

Membership

John LuValle

Thanks to new and renewing members.

If you require corrections or additions to your membership information, contact John LuValle at jluvalle@mcn.org.

The Sequoia chapter serves Fresno, Madera, and Kings counties.

The IRS considers dues in excess of \$12 per year and all gifts to CNPS as tax deductible. Renew your CNPS membership online using a credit card. As an option, renew automatically year after year. It is quick, easy, and convenient, and reduces renewal-mailing costs. Visit www.cnps.org and click on the JOIN button.

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- Rare Plant** Jane Pritchard (See Field Trips)
- Plant Sale** Thelma Valdez (see Webmaster)
- Conservation** Jeanne Larson (see Treasurer)
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Next Newsletter: October 2016

Send newsletter corrections or suggestions to Laura Castro at lacastror@outlook.com. The deadline for submissions to the next newsletter is **Wednesday, September 28, 2016.**



JOIN
THE CALIFORNIA NATIVE PLANT SOCIETY
RENEW

Membership includes the quarterly CNPS journal, *Fremontia*; the quarterly *Bulletin* which gives statewide news and announcements of activities and conservation issues; and our chapter newsletter, *Carpenteria*.

I wish to affiliate with the Sequoia Chapter.

Name: _____
 Address: _____
 City: _____
 State: _____ Zip: _____

<input type="checkbox"/> Student, Limited Income	\$25
<input type="checkbox"/> Individual	\$45
<input type="checkbox"/> Family, Group, or Library	\$75
<input type="checkbox"/> Plant Lover	\$100
<input type="checkbox"/> Patron	\$300
<input type="checkbox"/> Benefactor	\$600

Make your check payable to "CNPS" and mail with this form to:

New Member
 Renewing Member

California Native Plant Society
 2707 K Street, Suite I
 Sacramento, CA 95816-5113

The California Native Plant Society is a statewide nonprofit organization of amateurs and professionals with a common interest in California's native plants. The mission of the Society is to increase understanding and appreciation of California's native plants and to preserve them in their natural habitat through scientific activities, education, science, and conservation.

CARPENTERIA

September 2016

CALIFORNIA NATIVE PLANT SOCIETY SEQUOIA CHAPTER

c/o Jeanne Larson • 3457 Redlands • Fresno, CA 93726

MADELEINE'S MUSINGS

--*Madeleine Mitchell*



Stephanomeria exigua- ©2009 Gary A. Monroe

Our little group has been working on the China Creek project for many years and I found a pretty new plant, or new to me. I was digging and pulling yellow star thistle and saw small pink flowers at eye level. I took a few photos and brought a stem home to my plant ID person. He keyed it out as a *Stephanomeria*. Paul has a Masters in plant taxonomy and is my husband (for new readers).

-*Stephanomeria virgata ssp. pleurocarpa* -
©2009 Barry Breckling



I found dozens of plants, some up to six feet tall. Maybe other members have seen it in past years. The common name is sometimes "wild lettuce."

I am writing this from Port Angeles, Washington. We are going to Olympic National Park to enjoy the coolness of the temperate rain forest.

**September 2016
Sequoia Chapter
CNPS**



**Grapefern
(*Botrychium*)**



**Meesia Moss
(*Meesia triquetra*)**



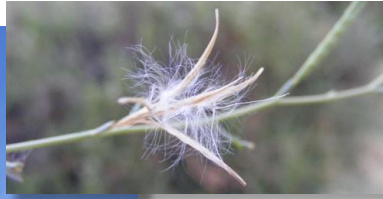
**Sierra Gentian
(*Gentianopsis holopetala*)**



**Spurred Snapdragon
(*Antirrhinum leptaleum*)**



**Blue Curls
(*Trichostema lanceolatum*)**



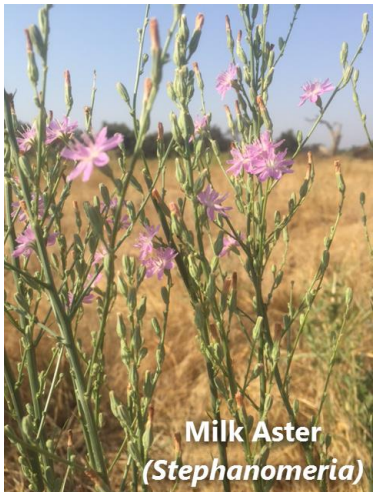
**Fireweed
(*Epilobium brachycarpum*)**



**Yosemite Mouseltail
(*Ivesia unguiculata*)**



**Common Tarweed
(*Centromadia pungens*)**



**Milk Aster
(*Stephanomeria*)**



**Sticky Snapdragon
(*Antirrhinum multiflorum*)**

Madeleine Mitchell: Milk Aster (China Creek)

Eileen Bennett: Spurred Snapdragon (Sample Meadow), Fireweed, Sticky Snapdragon (Burrough's Mountain), Grape Fern, Sierra Gentian, Meesia Moss, Yosemite Mouseltail, Howell's Tauschia (CNPS trip to higher elevations)

Thelma Valdez: Common Tarweed, Blue Curls, Fireweed



**Howell's Tauschia
(*Tauschia howellii*)**