

JUNE 2011



# The *Pipevine*

Newsletter of the Mount Lassen Chapter  
CALIFORNIA NATIVE PLANT SOCIETY

## General Meeting

SUMMER BREAK until September 2011

## Annual Picnic in Cohasset

JUNE 12, 2011  
Sunday 2 - 6 pm

### FLORAL NATIVE NURSERY GROWING GROUNDS

#### DIRECTIONS

up Cohasset Road, 10 miles past Chico Airport  
at the intersection of Cohasset and Vilas Road



PLEASE BRING  
your favorite dish to share,  
beverage, table service, chair

TOURS OF THE GROUNDS

CONTACT Woody Elliott  
woodyelliott@gmail.com  
530-342-6053

*... summer Field Trips  
on pages 2, 6, and 7*



Salt Springs Valley. Photo by Woody Elliott

Wes Dempsey  
and Gerry Ingco  
Co-chairs

### CHECK-LISTING AT LUMPKIN RIDGE

June 4  
Saturday

This is a new type of fieldtrip, with little hiking and a lot of keying - a chance for people to improve their plant-keying skills in a spot with good diversity. The major goal is to produce a list of all plant species identifiable here on this date. Substrate at Lumpkin Ridge (east of the village of Feather Falls) is Lovejoy basalt - the same material comprising Table Mountain, north of Oroville. However, Lumpkin Ridge is at 4200 feet elevation, in a region of coniferous forest. Bring water, lunch, insect/sun protection and money for ride-sharing. Meet at west lot of Chico Park & Ride (Hwy 32/ 99) to leave at 9 am, return probably 5 pm. For alternate meeting site email one of the check-listing leaders: Rob Schlising (rschlising@csuchico.edu) or Cindy Weiner (wildflowermaven@comcast.net)

### UPPER BUTTE CREEK TRAIL BUREAU OF LAND MANAGEMENT

June 5  
Sunday

Meet at the west lot of Chico Park & Ride (Hwy CA 99/32) in time to leave at 9 am. Call the leader for an alternate meeting. Take lunch, water, sturdy shoes, sun/insect protection and money for ride sharing. We drive east on Hwy CA 32, 17.5 miles to Garland Rd, and go south on Garland Rd and graveled Doe Mill Rd 5 miles to the trailhead in Butte Creek Canyon. This is an easy three-mile round trip walk along a secluded section of scenic Upper Butte Creek. The trail stays close to Butte Creek and has several wooden bridges and a structured steel stairway. The trail winds through a narrow band of riparian vegetation containing a variety of flowering plants. A mixed coniferous forest extends up the rugged canyon walls. There is historic gold mining activity along the creek. Leaders: Gerry Ingco 530-893-5123, Wes Dempsey 530-342-2293.

### FEATHER FALLS SCENIC AREA PLUMAS NATIONAL FOREST

June 19  
Sunday

Meet at west lot of Chico Park & Ride (Hwy CA 99/32) in time to leave at 8:30 am. Call leader for alternate meeting. Bring lunch, water, hiking gear, sun/insect protection and money for ride sharing. In spite of the shaded, well-maintained path we will see many early summer flowers: campion, *Clarkia*, wild ginger, woolly sunflower, and many others. We will drop about 700 feet in 3.5 miles down to the viewpoint opposite the falls-at 640 feet, it rivals Yosemite. From here you can circle around to the head of the falls and continue upstream to an old homestead. This year, Lake Oroville should almost reach the base. The turnoff to the trailhead is about a mile before you reach the small town of Feather Falls. Leaders: Woody Elliott 530-342-6053, Wes Dempsey 530-342-2293.

### MEADOWS AND BOGS WALK BUTTE MEADOWS TO JONESVILLE LASSEN NATIONAL FOREST

June 26  
Sunday

Meet at west lot of Chico Park & Ride (Hwy CA 99/32) in time to leave at 8:30 am. Call the leader for an alternate meeting. Bring water, lunch, insect/sun protection, and money for ride sharing. We will drive up Hwy 32 about 27 miles to the Butte Meadows turnoff for Humboldt Rd and drive about 9 1/2 miles to the meadows. Enjoy easy walks and a relaxing day enjoying the flowers of Seepy Springs Meadow. Also see the insect eating cobra lilies (*Darlingtonia*) at Cherry Hill. Visit other spots where beautiful lilies and orchids will be growing. Your feet will get wet, so don't wear your alligator shoes! Leader: Emilie White 530-894-8057, Gerry Ingco 530-893-5123.

... more *Field Trips*  
on pages 6 & 7

## Executive Board Meeting

### SUMMER BREAK

Until August 17, 2011

## President's Message

by Paul L. Moore  
Chapter President

I would again like to thank all of the volunteers and participants who made the Wildflower Show such a marvelous success. Specifically, we are grateful to Ellen Copeland and Catie and Jim Bishop for the leadership and work which made it all happen. I would also like to acknowledge the wonderful lecture given at the May General Meeting of the CNPS held in Oroville by Albin Bills, the co-author of *Wildflowers of Table Mountain Butte County California*. It was a tremendously informative talk about this important part of our natural environment. I recommend the book and any lecture Albin might give.

It is also a delight to acknowledge the very substantial and informative article in *Pacific Horticulture* (April, May, June 2011) about our own active member and leader, John Whittlesey. This article describes John's personal and horticultural development, his work as a nursery owner, consultant, and community leader. John has given lectures, lead hikes, and generally participated in the work and fun of the CNPS as our own Horticulture Chair. It is reassuring to understand all he has accomplished and know there is much more to come. We should also acknowledge and thank the author, Jennifer Jewell, for her fine work on this story and the many others she has sponsored on radio and written for the local media.

We are also extremely pleased to announce that Woody Elliott, a long time community environmental leader, has agreed to serve as the Conservation Chair for the Mount Lassen Chapter. He brings tremendous knowledge and commitment to this essential role of the CNPS, and, in particular, this chapter. He will be suggesting ideas for action and will be seeking direct public comment on his action ideas (page 5.). I urge you to review his ideas and then volunteer to help implement them.

I look forward to another wonderful and productive summer.

## Legislative Notes

by David Anderson

### BAD PRECEDENT

On April 14, 2011 Congress passed the 2011 budget bill just in time to avoid the closing down of much of the federal government for want of a budget. Included in the budget bill, which was approved by the President, was a rider (i.e., a separate unrelated bill) which removes the Gray Wolf from the list of endangered species in Montana, Idaho, Washington, Oregon, Utah and possibly Wyoming. Wyoming will not get delisting until it adopts a new wolf management plan. The rider, which was bipartisan, was framed as a directive to the U.S. Fish & Wildlife Service to reinstate its 2009 wolf delisting ruling, which had been overturned by a court decision. The rider also purports to exempt the delisting ruling from further court challenges; a provision sure to generate further litigation. Even though it did have bipartisan support, it is probable that this rider, like most, would never have passed as a stand alone bill. There was enormous pressure on Congress to pass the 2011 budget bill to prevent the imminent government shutdown and the opponents of the rider had no chance.

The rider is a terrible precedent because it strikes a blow at the very essence of the Endangered Species Act (ESA). For the first time since ESA was enacted in 1973, politics rather than science has determined whether a species should have its protection. The fundamental assumptions of the value of bio-diversity and the need for preservation of all plant and animal species, which are the premises of ESA, are threatened when politics rather than science determines listing issues.



*Pamassia*, Salt Springs Valley. Photo by Woody Elliott

## RARE PLANT TREASURE HUNT

by Ron Coley  
Rare Plant Chair

### JONESVILLE, JONES CREEK & WILLOW CREEK

July 30 Saturday

We will be searching for the rare and endangered *Botrychium* sp. (Grape Fern.) There are four different species we will be looking for. It hasn't been seen since 1985. It is only an inch to 6 inches tall. In late July it should be cooler up there.



Meet at Chico Park & Ride west parking lot (Hwy 99/32) at 8 am. Alternate meeting spot is Jonesville Snowmobile Parking lot past Butte Meadows on Humboldt Rd at 9:10 am. Bring lunch, water, money for ride sharing, insect repellent, and hiking shoes that might get wet. We will survey both sides of the creeks.

To sign up contact Ron Coley (email preferred) at rcoley64@comcast.net or phone 530-533-1238

## Native Plant Garden at CHICO CREEK NATURE CENTER

by Syb Blyth

Have you walked in the garden recently? I have found myself at the (Alice B. Hecker Memorial) Native Plant Garden at the Chico Creek Nature Center several times recently. The crushed rock paths lead one around beds of trees, shrubs and flowers. I was delighted to find the 'Dr.Suess' looking caterpillars of the pipevine swallowtail butterfly this second weekend in May. Despite the unusual weather nature has its way.

With the help of many extra volunteers on Earth Day (April 23) and Make a Difference Day the gardens and grounds around the Nature Center got a good grooming. The extra wind made for many days of "pick-up sticks" and the rains make the weeds tall.

I invite you to drive along the completed road renovation of Eighth Street as it me-

anders along side the park and the neighborhood and Parkview School. At no more that 20 miles an hour, thanks to stop signs and speed bumps, you can see the wide side walks and I encourage you to stop at the Nature Center or Cedar Grove parking to visit the Howard S. Tucker exhibit, open Thursday - Sunday 11 - 4pm.

Every time I find myself there, I am in awe of nature and how lucky we are to have it at our fingertips to enjoy and learn. Hope to see you in nature.

[Ed note] *Janna Lathrop reports Nancy Schleiger has also been in the garden working her magic repairing the watering system for the garden as well. Thanks to Syb, Nancy, and all the people that have helped with the Native Garden.*



Welcome!

### NEW MEMBERS

Don Holm	Chico
Katie Lentz	Oroville

### REINSTATED

Nancy Gipson	Chico
Sheli Wingo	Chico
Lorna Cunkle	Paradise
Shirley Lyon	Magalia

For information about becoming a member of MOUNT LASSEN CHAPTER CALIFORNIA NATIVE PLANT SOCIETY contact Membership Chair Phyllis Lindley 530-899-1514, lindley84@att.net

or use the application on last page of this newsletter

### RENEW ONLINE

Renew your CNPS membership online using a credit card  
It is quick, easy, convenient, and reduces mailing costs.

[www.cnps.org](http://www.cnps.org)

Click on the JOIN button

### SUMMER SEEDS

From Horticulture Chair Paula Shapiro - *If you come across any seeds from native plants during the summer, please save some for future plant sales. Let seeds dry, then store them in a cool, dark place. Or give them to Paula 530-343-7440. Happy collecting!*

# Mount Lassen Chapter CONSERVATION ACTIVITIES

by Woody Elliott, Conservation Chair

**H**ere is a summary of prospective activities of the Conservation Committee. All members are welcome to participate in advocating for these issues, with the issue's leader, or those of their choice after discussing it with the MLC Board. You can contact Woody at [woodyelliott@gmail.com](mailto:woodyelliott@gmail.com)

**1. Participate in development, review, adoption and implementation of the Butte Regional Habitat Conservation Plan (HCP) and Natural Communities Conservation Plan (NCCP)** shown at: <http://www.buttehcp.com/>. Time will be spent attending monthly stakeholder meetings managed by Butte County Association of Governments (BCAG) and other appropriate venues. Written comments will be submitted, pro and con as appropriate, to encourage the success of the implementation of these plans. Particular focus will be on the 14 sensitive and listed plant species and 6 natural plant communities and their 14 "Constituent Land Cover Types" as well as "additional non-covered special-status or local concern (plant) species" as they are added during the process of developing these plans. Cooperate with Altacal Audubon, Butte Environmental Council, AquaAlliance and other allied groups to further these goals.

**2. Encourage monitoring of natural resources and their adaptive management by the City of Chico on the Peregrine Point Disc Golf Course** as designated in its CEQA mitigation plan, particularly the Big Four: Wildflower Fields, Butte County Checker Bloom, Bidwell Knotweed and Blue Oaks. Cooperate with Friends of Bidwell Park in their ongoing effort. Link to Mitigation Measures in Park Manager's Report of March 15, 2011: [http://www.chico.ca.us/general\\_services\\_department/park\\_division/documents/BPPC%202011%20agendas%20and%20reports/BPPC\\_Agenda\\_11\\_0328andreports.pdf](http://www.chico.ca.us/general_services_department/park_division/documents/BPPC%202011%20agendas%20and%20reports/BPPC_Agenda_11_0328andreports.pdf)

**3. Encourage Implementation of "Table Mountain Ecological Reserve (NTMER) Land Management Plan" - Sept 2006**, link: <http://www.dfg.ca.gov/lands/mgmtplans/ntmer/docs/ntmer-plan.pdf>:

- Determine current rate of cattle stocking.
- Study, develop, and implement best management practices for location and duration of salt stations for livestock (to distribute them equitably throughout NTMER and lessen their impact on sensitive habitats and species).
- Consider conducting small grazing exclusion experiments, using portable electric fences to determine how the Northern Basalt Flow Vernal Pools and Cobble and Swale Trains habitats, individual sensitive-status species, and non-native invasive

species will respond to either the reduction or the elimination of (livestock) grazing.

- Conduct botanical and wildlife surveys in the canyons and along the sides of the NTMER for sensitive-status plant and animal species.
- Conduct surveys in the canyons and along their sides for NIS (Noxious Invasive Species) that may impact sensitive-status species or the Northern Basalt Flow Vernal Pools and Cobble and Swale Trains habitat types.
- Focused NIS surveys should be conducted annually in May to detect any newly introduced NIS species so that they can be controlled before they have a chance to spread.
- Conduct surveys in the canyons and along their sides to determine if prescribed burning is necessary for maintaining the existing plant communities or any sensitive-status species.
- Monitor and map any significant impacts of visitor use on the Northern Basalt Flow Vernal Pools and Cobble and Swale Trains habitat types, sensitive-status species, trails, cultural resources, and infrastructure.
- Evaluate the trail design and usage for compatible purposes (Proposed ADA accessible trails guide visitors to Phantom Falls and reduce existing impacts of hikers on microhabitats along the existing unofficial trail).
- Add trash collection containers at parking area.

**In addition the Dept. of Fish & Game should be encouraged to**

- Acquire adjacent land from Cherokee Road to Beatson Hollow and to the south portion of NTMER; and also near Fern Canyon and Coal Canyon Falls for unfettered public access to NTMER lands.
- Study effects of livestock grazing on wildflower fields and recruitment of oaks, willows, and buckeyes on plateau of NTMER.
- Remove needless and down livestock cross fencing throughout NTMER.

**4. Encourage Implementation of "Mount Pleasant Research Natural Area Management Plan" adopted year 2011** by Plumas National Forest for lands in Bucks Lake Wilderness Area. Particularly focus on sensitive fens degraded by livestock grazing which need restoration and protection.

**5. Communicate and Coordinate Conservation Issues with State CNPS** through monthly conference calls and attendance at late summer Chapter Council Meeting whose theme is conservation issues.

## more summer *Field Trips*

### **CARTER MEADOW LASSEN NATIONAL FOREST**

July 3  
Sunday

Meet at the west lot of Chico Park & Ride, (Hwy CA 99/32) in time to leave by 8:30 am with lunch, water, hiking gear, sun/insect protection and money for ride-sharing. Call leader for alternate meeting. We will head up Hwy CA 32 to Elam Campground and turn off on the gravel forest road to Carter Meadow and the trailhead to the PCT. It is only 1 1/2 easy miles to a spectacular view of the old caldera of Mt Yana with present day Butt Mt to our north, Lake Almanor to the east and Humboldt Peak to the south. On the return we follow Carter Creek through several smaller meadows until we come to the very large Carter Meadow. Leaders: Woody Elliott 530-342-6053, Wes Dempsey 530-342-2293

### **FENS AT HELLGRAMMITE LAKE LAKES BASIN RECREATION AREA PLUMAS NATIONAL FOREST**

July 16  
Saturday

Meet at the west lot of Chico Park & Ride, (Hwy CA 99/32) in time to leave by 8 am. Take lunch, sturdy shoes, water, sun/insect protection and money for ride sharing. Call leader for an alternate meeting. We will go from Chico on the Feather River Scenic Byway (Hwy CA 70) following the North and Middle Forks of the Feather River, 105 miles to the Mohawk Ranger Station where we meet our Forest Service guide. Lakes Basin is the gem of the Plumas National Forest with fifty crystal alpine lakes confined within five small glacial basins. We will visit one of the larger glaciated lake basins, hiking a gradual two miles to Hellgrammite Lake, 6900 ft, and visit nearby fens. A fen is like a bog but it supports a more diverse plant life and has floating edges or islands of matted vegetation. Expect to see a colorful flowering plants and shrubs in a forest setting. **Individual Options** - Stay overnight at one of the lodges, dinner before driving home at the Gold Lake Lodge or in Grayeagle. Leaders: Gerry Ingco 530-893-5123, Wes Dempsey 530-342-2293.



Castle Lake from Heart Lake. Photo by Gerry Ingco

### **WILSON LAKE LASSEN NATIONAL FOREST**

July 24  
Sunday

Meet at the west lot of Chico Park & Ride, (Hwy CA 99/32) in time to leave by 8 am. Take lunch, water, sturdy shoes, sun/insect protection and money for ride sharing. Call leader for an alternate meeting. We will drive 65 miles on Hwy CA 32 to CA 36 to the southern slopes of Lassen Peak in Plumas County. We will then travel graveled county roads enjoying easy "hikettes" as our cars will take us to some lovely floral displays and interesting areas in and around Wilson Lake. Experience great views of the North Fork Feather River headwaters. Leaders: Emilie White 530-894-805, Gerry Ingco 530-893-5123.

### **CASTLE LAKE TO HEART LAKE KLAMATH MOUNTAINS SHASTA-TRINITY NATIONAL FOREST**

July 31  
Saturday

Meet at the west lot of Chico Park & Ride, (Hwy CA 99/32) in time to leave by 8:30 am. Phone leader for an alternate meeting. Take a lunch, water, sturdy shoes, sun/insect protection and money for ridesharing. Drive I-5 past Shasta Lake and rugged Castle Crags to the Mt Shasta exit, 95 miles, then southwest on paved county and forest roads to the Castle Lake trailhead. The moderate 2-mile round trip, trail skirts the eastern shore of Castle Lake, at 5436 ft. The trail climbs 600 feet in elevation through several wildflower habitats and subalpine hanging meadows. Heart Lake is perched in granite cliffs at 6000 ft. We will be greeted with a spectacular view of Mount Shasta across the valley. Leaders: Marjorie McNairn 530-343-2397, Gerry Ingco 530-893-5123.

**DRAKESBAD TO DEVIL'S KITCHEN  
LASSEN VOLCANIC NATIONAL PARK**

August 6  
Saturday

Meet at Chico Park & Ride west parking lot (Hwy CA 99/32) in time to leave by 8:30 am. Call the leader for an alternate meeting. Take a lunch, water, sun/wind/insect protection, and money for ridesharing. We will drive Hwy CA 32 to CA 36, 66 miles to the mountain town of Chester in Plumas County. Then travel county roads to the trailhead near the Warner Valley Campground in Lassen Park. The last three miles is on graveled road surface. The 4.2-mile round trip trail to Devil's Kitchen is gentle and the trail is wide and has a smooth surface. The trail begins near the Drakesbad Guest Ranch at 5,680 ft. and passes thru an area of small warm springs. Half of the distance to Devil's Kitchen is across flowered meadows, before finally entering a forested setting. Devil's Kitchen is a thermal area of belching fumaroles, boiling mud pots, steaming rock outcrops in a dazzling array of fiery colors. Being transected by a fast flowing snowmelt stream. It is unique from other thermal areas in the park. Leaders: Gerry Ingco 530-893-5123, Wes Dempsey 530-342-2293.

**SQUARE LAKE AND MT. LINN  
YOLLA BOLLY MIDDLE EEL WILDERNESS  
MENDOCINO NATIONAL FOREST**

August 13  
Saturday

Meet at Chico Park & Ride west parking lot (Hwy CA 99/ 32) in time to leave by 8:30 am. Phone leaders for an alternate meeting place. Wear sturdy shoes. Take a lunch, water, sun/wind/insect protection, and money for ridesharing. We will drive 48 miles to the foothill community of Paskenta and 30 miles on forest roads M2 and M22 to the Ides Cove Trail head (7,000 ft). Last 20 miles is over gravel road. Hike 1 1/2 miles through Red Fir and White Pine forest along a level trail to tiny Square Lake located in a north-facing glaciated cirque below the summit of Mt Linn (8,092 ft.). Option is a scramble up to the Foxtail Pine forest and Sub-Alpine gardens on Mt Linn. Leaders: John Whittlesey 530-533-2166, Gerry Ingco 530-893-5123.



From South Yolla Bolly Peak. Photo by John Whittlesey

**LAKE EILER  
1000 LAKES WILDERNESS**

August 21  
Sunday

Meet at Chico Park & Ride west parking lot (Hwy CA 99/32) in time to leave by 8:30 am with lunch, water, hiking gear, sun/insect protection and money for ride sharing. Call leader for alternate meeting. We will travel 115 miles on Hwys CA 89, CA 36 and CA 44 past the north entrance to Lassen National Park to Old Station. Then drive about 8 mi the signed turnoff to the wilderness (33N25); then 5 mi to forest road 33N23 and the short distance to the turnoff to the Tamarack Trailhead. The excellent trail wanders easily through the lodgepole forest for 2 miles to Lake Eiler. On the return we will loop past Barrett Lake and numerous ponds replete with yellow pond lilies. Leaders: Jim Dempsey 530-846-1435, Wes Dempsey 530-342-2293

**RIDGE LAKES  
LASSEN VOLCANIC NATIONAL PARK**

September 3  
Saturday

Meet at Chico Park & Ride west parking lot (Hwy CA 99/ 32) in time to leave by 9 am. Call the leader for an alternate meeting. Take a lunch, water, sun/wind/insect protection and money for ride sharing. We will drive Hwy CA 32 to CA 89, 74 miles to the Lassen Park southwest entrance Visitor Center for a rest stop. Ridge Lake trailhead is at the Sulfur Works parking lot, 1 1/2 miles north of the Visitor Center. Experience an alpine high with minimum of effort. You will however, have to work because the elevation gain is 1,000 ft over a mile's distance of trail. The trail is clean and easy to follow and we will make many stops to view flowers and view spectacular vistas. The two Ridge Lakes lie cupped in a stark high country bowl at the base of a bony ridge between two of Lassen Park's major peaks. We return the same way. Leaders: Gerry Ingco 530-893-5123, Wes Dempsey 530-342-2293.

# Soil is the Foundation of Life on Earth

by Rex Burress

On Earth Day, April 22, 2011, a few explorers joined me for a nature walk in Oroville to see what Mother Earth could offer. Most April discoveries involved “the flush of plant life” and associated insects. What is more appropriate on Earth Day than exploring for soil dwelling plants!

Like a president saying “the state of the union is good” in an annual address, it was good to say “the state of the earth is good!” At least, it was good along the Feather River near the Oroville Nature Center that sunny spring day. Some parts of Earth are rather beaten down and wounded, but plants and animals were spiritedly interacting with the land and water as was anticipated at that location.

Abundant winter rainfall gave the environment a healthy boost, and a cool wet spring extended the green time for the Golden State. The riverside wooly sunflowers, poppies, blue dicks, Ithuriel’s spears, and white-whorled lupine were competing with the lush grasses, while even the less desirable invasive scotch broom was spiking a resurgence.

Every clod was feeling a stir of might, “an instinct within in it that reaches and towers, and groping blindly above it for light, climbs to a soul in grass and flowers...the buttercup catches the sun in its chalice, and there’s never a leaf nor a blade too mean to be some happy creatures palace!”—Bryant. Even the poison oak and buckbrush seemed especially robust.

The earth had been under a cool cloud most of April, but enough erratic sunshine peeked through to give impetus to a good representation of floral growth. Along Sewim-Bo Trail, grassy things seemed to be vying to see who could reach higher, forcing long-stemmed flower species to also extend their stems.

For plants, it’s a race to the sunshine in a urgent burst of energy to use the surface water before the initially life-giving sun dries out the upper soil, cutting off the shallow-rooted plant lifeline. The sun can promote life or destroy life, while plant existence is maintained by completing the seed in its allotted time. Mother Earth is the bed for multitudes of seeds, shaken to the soil to slumber with competing species until the summons comes for the new embryos to awaken and rise.



Like a Muir-world of “everything (in the universe) being hitched together,” the pipevine swallowtail butterflies were flitting among the flowers, seeking nectar. *Battus philenor* is not particular as to what blossom it sips, but the eggs are laid only on the pipevine’s toxic leaves, and the strikingly black and red larvae seem to advertise their distasteful bitterness.

We found some small larvae chomping on leaves, and in a few weeks when grown they crawl to a structure, usually large rocks, and change into an ornate chrysalis. There they hang for a year and emerge ‘upon the first solicitation of spring’ if they can endure the dangers.

Damp days are conducive to spittlebugs massing their frothy castles on various fresh plants, and with some probing, we uncovered the hidden nymph. The adult becomes one of those Hemiptera true bug planthoppers, a curious group of hopping insects that even includes non-hopping cicadas and aphids. The spittlebug adults are the oddly shaped froghoppers, kin to treehoppers [thorn bugs], and leafhoppers that can jump up to 100 times their length! There are thousands of species, all sap suckers, all skip the pupal stage, and all are small. Get out your magnifying glass!

What’s in a hopper? Planthoppers are not related to grasshoppers, a hopper in the Orthoptera Order, or Arthropoda beachhoppers that beachcombers find along the coast...nor Hip-Hop Teens!

*...The flowers must be buried in darkness  
Before they can bud and bloom,  
And the sweetest, warmest sunshine/  
Comes after the storm and the gloom.*

Ithuriel’s spear, *Triteleia laxa* by Peg Edwards-Carkeet, 1998

## VERN OSWALD'S STUDIES from the HERBARIUM

by Lawrence Janeway  
Chico State Herbarium, Editor-in-Chief

Vern Oswald produced several florulae for botanically interesting preserves, trails, and other locales while he was working on his *Manual of the Vascular Plants of Butte County, California* (1994) and *Selected Plants of Northern California and Adjacent Nevada* (2002). He then made these florulae available to interested botanists around northern California. He also gave a set of these florulae to the Chico State Herbarium. These florulae have now been scanned-to-pdf and are available for download from the Studies from the Herbarium web site

The Chico State Herbarium and Studies from the Herbarium are also scanning volumes of *Flora Buttensis*. This journal, produced through The Chico State Herbarium in the 1980s, is mostly of historical value, but also contains an extensive set of checklists and florulae for popular northern California botanical destinations. Scanning of these issues to pdf for on-line download is starting with the checklists and will (slowly) extend to the other issues of this historically important journal.

Also, out-of-print books from the Studies from the Herbarium will soon be scanned-to-pdf and made available for on-line download through the Studies from the Herbarium web site. [www.csuchico.edu/biol/Herb/studies.html](http://www.csuchico.edu/biol/Herb/studies.html)

## 2011 SUMMER WORKSHOPS FRIENDS of the HERBARIUM

June 11  
FIRE ECOLOGY by Kyle Merriam

June 18  
INTRODUCTION TO THE WILLOWS OF CALIFORNIA  
(SALICACEAE) by John Bair.

June 25  
INTRODUCTION TO THE SERPENTINE ECOSYSTEM  
By Hugh Safford

July 28  
INTRODUCTION NATIVE BEES AS POLLINATORS  
by Rob Schlising and Robert Irwin

**To REGISTER** contact Chico State Herbarium  
<http://www.csuchico.edu/biol/Herb/Events.html>  
(530) 898-3511 or [NS@csuchico.edu](mailto:NS@csuchico.edu)

These workshops are the main source of funding by which the Friends support the functioning of The Chico State Herbarium. The money raised helps fund the staff and facilities in order to continue the public service and care of the collection of scientific and reference botanical specimens.

## Officers & Chairs

### ELECTED OFFICERS

		(530)
President	PAUL MOORE <a href="mailto:pmoore@csuchico.edu">pmoore@csuchico.edu</a>	343-4287
Past President	JANNA LATHROP <a href="mailto:jlathrop4mlc@comcast.net">jlathrop4mlc@comcast.net</a>	636-4547
Vice-President	JOHN MEEHAN <a href="mailto:jsmeehan64@yahoo.com">jsmeehan64@yahoo.com</a>	894-5339
Secretary	ELIZABETH TICE <a href="mailto:elizacnps@yahoo.com">elizacnps@yahoo.com</a>	345-5787
Treasurer	SUSAN BAZELL <a href="mailto:bazell@maxinet.com">bazell@maxinet.com</a>	876-1475
Member-at-Large	GERRY INGCO <a href="mailto:genaroingco@aol.com">genaroingco@aol.com</a> ERIN GOTTSCHALK FISHER <a href="mailto:egottschalkfisher@mail.csuchico.edu">egottschalkfisher@mail.csuchico.edu</a> PHYLLIS LINDLEY <a href="mailto:lindley84@att.net">lindley84@att.net</a> NANCY SCHLEIGER <a href="mailto:dirtball@shocking.com">dirtball@shocking.com</a> MELANIE WILLIAMS <a href="mailto:melaniesw321@yahoo.com">melaniesw321@yahoo.com</a>	893-5123
		899-1514
		774-4362
		510-862-1076

### CHAIRS

Conservation	WOODY ELLIOTT <a href="mailto:woodyelliott@gmail.com">woodyelliott@gmail.com</a>	342-6053
Education	ADRIENNE EDWARDS <a href="mailto:aledwards@csuchico.edu">aledwards@csuchico.edu</a>	
Invasive Plants	SUSAN MASON <a href="mailto:smason908@gmail.com">smason908@gmail.com</a>	892-1666
Field Trips Co-chairs	WES DEMPSEY <a href="mailto:wdempsey@csuchico.edu">wdempsey@csuchico.edu</a> GERRY INGCO <a href="mailto:genaroingco@aol.com">genaroingco@aol.com</a>	342-2293
		893-5123
Membership	PHYLLIS LINDLEY <a href="mailto:lindley84@att.net">lindley84@att.net</a>	899-1514
Horticulture	PAULA SHAPIRO <a href="mailto:paulashapiro@wildblue.net">paulashapiro@wildblue.net</a>	343-7440
Newsletter Editor	DENISE DEVINE <a href="mailto:dsrdevine@hotmail.com">dsrdevine@hotmail.com</a>	345-8444
Programs Co-chairs	JIM BISHOP <a href="mailto:cjbishop1991@sbcglobal.net">cjbishop1991@sbcglobal.net</a> WOODY ELLIOTT <a href="mailto:woodyelliott@gmail.com">woodyelliott@gmail.com</a>	342-6053
Rare Plants	RON COLEY <a href="mailto:rcoley64@comcast.net">rcoley64@comcast.net</a>	533-1238
Publicity	CINDY WEINER <a href="mailto:wildflowermaven@comcast.net">wildflowermaven@comcast.net</a>	342-7645
Sales Co-chairs	JOHN MEEHAN <a href="mailto:jsmeehan64@yahoo.com">jsmeehan64@yahoo.com</a> ELLEN COPELAND <a href="mailto:copelande12@yahoo.com">copelande12@yahoo.com</a>	894-5339
Vol. Recognition / Chapter Council Delegate	CATIE BISHOP <a href="mailto:cjbishop1991@sbcglobal.net">cjbishop1991@sbcglobal.net</a>	

**MOUNT LASSEN CHAPTER  
CALIFORNIA NATIVE PLANT SOCIETY  
P. O. BOX 3212  
CHICO, CA 95927-3212**

Nonprofit Org.  
U.S. Postage  
**PAID**  
Chico, CA  
Permit No. 553

RETURN SERVICE REQUESTED

**Time Value**  
JUNE 2011 issue

**JUNE 12**



# Pipevine

## Join Today!

### MEMBERSHIP APPLICATION

CALIFORNIA NATIVE PLANT SOCIETY

*I wish to affiliate with the Mount Lassen Chapter*



new \_\_\_\_\_

renew \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ email \_\_\_\_\_

Phone \_\_\_\_\_

Send Membership Applications to:

MOUNT LASSEN CHAPTER CNPS  
P. O. BOX 3212  
CHICO, CA 95927-3212

[www.cnps.org](http://www.cnps.org)

Student / Limited Income .....	\$25
Individual .....	\$45
Family / Library .....	\$75
Plant Lover .....	\$100
Patron .....	\$300
Benefactor .....	\$600

## Calendar 2011

### May

28 - Caribou Trail

### June

5 - Upper Butte Creek BLM  
12 - ANNUAL PICNIC  
19 - Feather Falls  
26 - Butte Meadows

### July

3 - Carter Meadows  
16 - Lakes Basin  
24 - Wilson Lake  
30 - Jonesville Treasure Hunt  
31 - Castle-Heart Lake

### August

6 - Drakesbad  
13 - Square Lake/Mt Linn  
17 - EX Board Meeting  
21 - Lake Eiler

### September

3 - Ridge Lakes  
7 - General Meeting