

DECEMBER 2013

The *Pipevine*

Newsletter of the Mount Lassen Chapter
CALIFORNIA NATIVE PLANT SOCIETY



Evolutionary History



of California's Unique Plant Landscapes

Kristina has been a professor of botany for 20 years and member of CNPS for 33 years. Prior to her academic life she worked for the US Forest Service and in environmental consulting. She is a fifth generation Californian and has spent her child- and adulthood roaming California and marveling at its many geological and biotic riches. She lives in Chico with her husband Jim and has two children, Angela, in San Francisco and Celia in Chicago.

General Meeting

DECEMBER 4, 2013
Wednesday 7:30 pm
Butte County Library, Chico

Presented by
KRISTINA SCHIERENBECK
Professor of Biology
California State University, Chico

Detailed examination of the evolution of ancient, recent, native, and migrating plants and animals on the landscape, and in total, sheds light on the major and minor evolutionary events that shaped California. This presentation will interpret the evolutionary history of plant and animal life in California in a geological context, along with describing the regional patterns that emerged. Life history (dispersal, reproduction) and ecology (habitat specialization, competition, predation, migration, availability and connectedness of habitat) play important roles. The evolutionary history provides a context for conservation throughout the biogeographic provinces that roughly define California, as well as being a wonderful story of natural history.

Top - Riparian aspens in sagebrush shrubland, a semi-arid rainshadow landscape.
Bottom - Hemlock, fir and pine in an upper montane landscape in Lassen Park.
Photos by Jim Bishop



Wes Dempsey and Gerry Ingco,
Co-chairs

CSU, CHICO CAMPUS AND BIDWELL MANSION TREES

December 5
Thursday

Meet in front of Bidwell Mansion at 10 am for a 2-hour fall color walk to see about 30 of the trees that date back to the founding of the university. This is the 125th anniversary of the campus and a surprising number of the trees date back to those times. Still around are several on the Mansion grounds like turkey oak, Yulan magnolia, English laurel, windmill palm and others. In front of Butte Hall is a striking row of European linden and further along the last six American chestnuts. Participants can park at the Bidwell Mansion. Leaders: Gerry Ingco 530-893-5123 and Wes Dempsey 530-342-2293.

HAPPY NEW YEAR!

NORTH RIDGE BANANA BELT SCRAMBLE UPPER BIDWELL PARK, CHICO

January 1
Wednesday

Meet at Horseshoe Lake parking area (lot E) in Upper Bidwell Park at 10 am with lunch, water, and hiking gear. We will climb up Monkeyface to see the first of the new year's flowers, like buckbrush, common manzanita, and blue dicks. On cold, clear, windless nights it is 10 degrees warmer up there (banana belt) so we have a better chance of seeing flowers. We will have lunch in an Maidu cave having a cozy southern exposure. About 2 1/2 miles. Leaders: Gerry Ingco 530-893-5123 and Wes Dempsey 530-342-2293.

Laetiporus sulphureus

Gerry Ingco reports: *This is a description of the yellow shelf-like fruting body (left) seen on the mid trunk area of an old California bay laurel tree at the Green Gate (Ten Mile House) beside Highway 32, 7 miles NE of Chico Park & Ride (Hwys 32/99) on November 2, 2013. Photos by Steve Overlock.*

Laetiporus is a genus of edible mushrooms found throughout much of the world. *Laetiporus sulphureus* is commonly known as sulphur shelf, chicken of the woods, or the chicken mushroom - because many think they taste like chicken. Individual "shelves" range from 2-10 inches across and are made up of many tiny tubular filaments (hyphae). The mushroom grows in large brackets - some have been found that weigh over 100 lbs. It is most commonly found on wounds of trees, mostly oak, though it is also frequently found on eucalyptus, yew, willow, and conifers. *Laetiporus* produce brown rot in the host on which they grow. Young fruting bodies are characterized by a moist, rubbery, sulphur-yellow to orange body sometimes with bright orange tips. Older brackets become pale and brittle, almost chalk like, mildly pungent, and are often dotted with beetle or slug/woodlouse holes. The sulphur shelf mushroom sometimes comes back year after year when the weather suits its sporulation preferences. From late spring to early autumn, the sulphur shelf thrives, making it a boon to mushroom hunters and a bane to those concerned about the health of their trees.

en.wikipedia.org/wiki/Laetiporus_sulphureus



Ten Mile House Hike, Nov 2, 2013. Photos by Steve Overlock

WINTER BREAK

THE NEXT

Executive Board Meeting will be on January 15, 2014

General Meeting will be on February 5, 2014

and the Pipevine will be the February issue

HAPPY HOLIDAYS

President's Message

by Suellen Rowison, President



My year as President of Mount Lassen Chapter has just whizzed by thanks to a wonderful Executive Board and Chairs. Our members are enthusiastic to do their part and get the word out to preserve California flora. The ML-Chapter will continue with another set of great officers, listed in this Pipevine.

By the time you read this, MLC members and other volunteers will have come together on a landscape workday to help a Habitat For Humanity recipient do pruning, raking, weeding and planting a few natives in her yard. Look for a report in the next issue of the Pipevine. Perhaps, this will lead to a new endeavor to help Habitat for Humanity to establish native plants in the landscaping of new builds.

All of the programs and field trips have been outstanding this past year and previous years, too. Thank you to all the officers and chairpersons and members for their enthusiasm and hard work. But, I have a special appeal as we head into 2014: An EDUCATION CHAIR and committee are needed. Do you have some ideas of how to promote the knowledge and use of native plants in residential gardens and around your town or county? Now is an excellent time to volunteer, as CNPS has just hired a Horticulture Program Director, Susan Krzywicki, who is also chair of the San Diego chapter gardening committee. Another resource is Josie Crawford, Education Program Director, who spoke to us at our October MLC General meeting. Check out cnps.org and click on Education for more ideas and resources. You can take this committee any direction you want in working with schools or communities. Please, respond to me or any of the officers or chairs if you are interested.

Thank you for the opportunity to serve. Of course, I continue on as Past President in 2014.

Thank you Suellen!

Legislative Notes

by David Anderson

SALVAGE LOGGING BILLS MEET OPPOSITION

As a result of the devastating wildfires throughout the West in 2013, H.R. 1526 and a number of related bills have been introduced in Congress by logging interests to authorize or require salvage logging of burned federal forest lands. One bill (H.R. 3188), which has now been incorporated as an amendment to H.R. 1526, mandates that salvage timber sales proceed immediately and to completion throughout the 400 square mile area of the Yosemite Rim Fire. The salvaging operation would be conducted notwithstanding any other provision of law and without any administrative or judicial review.

As reported in our Enterprise Record newspaper on November 3 (and in many other papers), a group of more than 200 environmental scientists, headed by Dominick DellaSala of Geos Institute, Ashland Oregon, have sent a group letter to Congress urging defeat of the salvage logging proposals. The scientists say that post-fire habitats are ecological treasures rather than catastrophes and that burned landscape plays a critical role in forest regeneration. Further, they point out that the post fire community is one of the most ecologically important and bio diverse habitat types in western conifer forests.

The good news is that the White House has threatened a veto in the unlikely event that the Senate passes H.R. 1526. It is fortunate that these salvage logging bills became the subject of public comment and criticism. In the past many such bills have been buried as riders in budget bills and have escaped critical review.

MOUNT LASSEN CHAPTER

2014 Elected Officers

The following names have been elected for
Mount Lassen Chapter 2014 Executive Board Officers

The election was held at the
General Meeting on November 6, 2013

President	CATIE BISHOP
Vice President	JANNA LATHROP
Secretary	ANN ELLIOTT
Treasurer	JOHN MEEHAN

Members-at-Large

HESH KAPLAN
PAUL MOORE
KARROLYNN YELLS
RON COLEY

MOUNT LASSEN CHAPTER EVENTS

by Janna Lathrop, Events Chair

HOME AND GARDEN SHOW

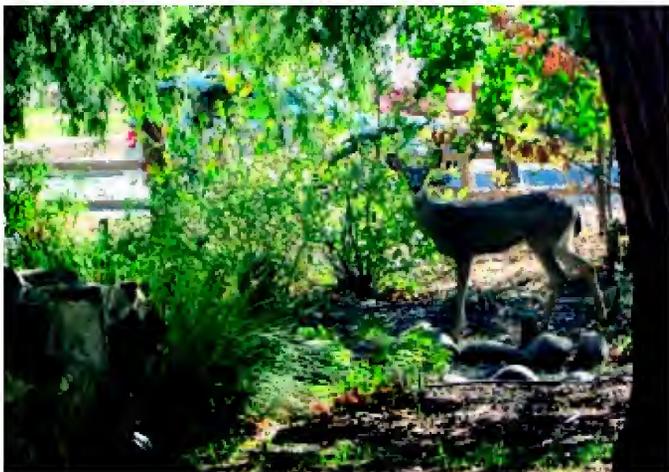
On October 26 - 27 we had an information table at the Chico Home and Garden Show at the Silver Dollar Fairgrounds, courtesy of the Chico Horticulture Club. **THANK YOU** to Ellen Copeland, Suellen Rowilson, Elizabeth Tice and Cindy Weiner for being the welcoming faces. Special thanks to Zeb and Floral Native Nursery providing the native plants for our table.

HARVEST FESTIVAL NATIVE PLANT SALE

Giant **THANK YOU** to all those who helped make our native plant sale at the Farm City Celebration, at the Bidwell Mansion on November 2, a success.



THANK YOU to our plant donors: Floral Native Nursery, The Plant Barn, Native Springs Nursery, Jim Dempsey, Paula Shapiro, and Cindy Weiner for their generous plant donations. The help before, during and after the sale contributed to our successful day. **THANK YOU** Jim and Catie Bishop, John Meehan, Paula Shapiro, Woody and Ann Elliott, Nathan Lathrop, Henry Schleiger, Karrolynn Yells, Susie Cunningham and Suellen Rowlinson for helping at the tables and (Paula says) especially Janna Lathrop for taking charge this year. Special thanks to MLC members who stopped by and bought a plant or two. It was a beautiful day and a wonderful time was had by all.



Deer in the Native Plant Garden at the Chico Creek Nature Center. Oct 18, 2013 Photo by Kelsey Taylor



by Steve Overlock, Yahi Trail Chair

Good to report that the Yahi Trail is now free and clear from the start to end. Thank you Rodrigo, Edgar, Meryl, John and Woody. It was a group effort that went smoothly and accomplished in 4 hours what would have taken 8 hours for one or two to do. Thank you all and we thank the Park Administration for the privilege to access the trail via automobile. Next trail session will be in one to two months depending on the weather, please watch the Pipevine for dates.



Yahi Trail workers - John Meechan, Steve Overlock, Meryl Bond, Rodrigo Ayala, Edgar Nava and Woody Elliott. Oct 27, 2013

HOSPITALITY

THANKS YOU

by KarroLynn Yells
Hospitality Chair



THANK YOU, Ron and Kathie Coley for providing goodies for the November 6, 2013 General Meeting.

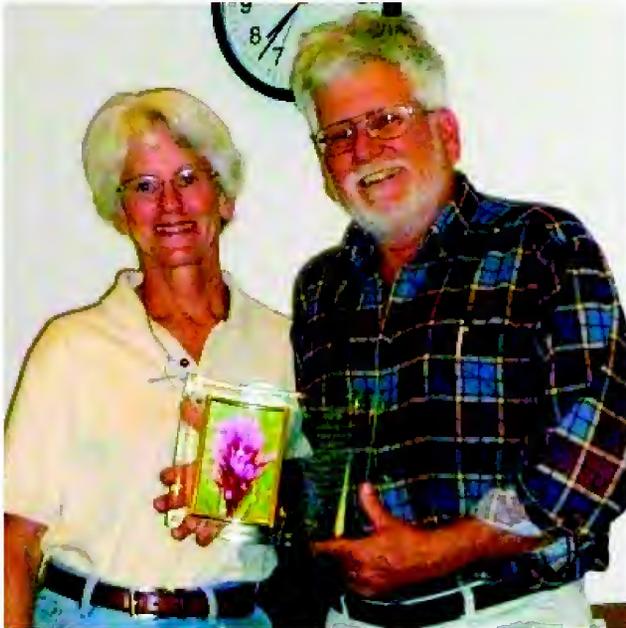
But help is needed during the coming year.

Are you good at making goodies? Well then we need you to bake and bring goodies to the General Meetings. There is a sign-up sheet just waiting for you and it is located at the Hospitality Table. Please sign up to bring goodies. Your help is greatly appreciated. There are several months left open where a lovely baker could provide dessert. The months are April and May of 2014. Thank You

MULTI-TALENTED VOLUNTEER

THANKS WOODY!

by Catie Bishop, Vol. Recognition Chair



It's time again to celebrate and recognize someone who has done so much for the Chapter. Woody Elliott has been active in the Chapter since 1996. Even when he was busy in his job as ecologist for the California State Parks, Woody found the time to attend board meetings and provide expert advice and hands on help. He has been our liaison to the State Parks including the Bidwell Mansion which we have used for meetings and plant sales.

Woody has been Treasurer, Vice President, President, and Secretary, and is currently our Conservation Chair, Programs Co-chair, and member of the Volunteer Recognition Committee. He promoted and manages the Chapter website. Our Chapter paparazzo is responsible for many of the great photos of our events and fieldtrips. Woody has led fieldtrips including to Feather Falls and the State Parks property in the Sutter Buttes. He has staffed tables, offered his home for meetings, and his yard has been featured in the Native Garden Tour.

In short, he is one of those people all organizations are happy and proud to have as a member. He gives much of his time, and not a little money, in furthering the cause of native plant conservation. It has been a real boost to the Chapter to have this multi-talented person as an active member.

CNPS HAS A NEW HORTICULTURE PROGRAM DIRECTOR

Exciting news: for the first time in our history, the California Native Plant Society now has a fulltime staff Horticulture Program Director! CNPS sought a Horticulture Program Director who can help chart the course of California's oldest native plant gardening program, and ultimately selected Susan Krzywicki.



Photo by Bob Hoffman

Susan comes from our San Diego chapter, where she helped to grow that chapter's amazing horticulture program. She worked to build a successful garden tour, deliver training symposia, and otherwise engage thousands of San Diegans in growing native plants. While doing all this, Susan has also helped other groups (such as Surfrider Foundation, San Diego County Water Authority, and Port of San Diego) in their work adopting and promoting California native plant horticulture.

CNPS has worked for decades to grow interest in gardening and landscaping with California native plants. This is one of our key-note successes. Now, the Horticulture Program is ramping up, and we are looking forward to input from members throughout the state. If you want to learn more about the program or have suggestions, please email Susan at skrzywicki@cnps.org.

WELCOME SUSAN!

Welcome!

NEW MEMBERS 2013

Kim Spencer
Anne Krause

For information about becoming a member of
MOUNT LASSEN CHAPTER
CALIFORNIA NATIVE PLANT SOCIETY
contact Membership Chair KarroLynn Yells
530-534-3551, KarroLynnY@att.net
or use the application on last page
of this newsletter

NATIVE PLANTS for the *Garden*

FULL CIRCLE: NATIVE PLANT WREATHS FOR THE HOLIDAYS

by Jennifer Jewell



It is nearly December. While first frost has not arrived as I write, it is threatening nightly. The air is crisp, the deciduous trees and shrubs are on the last run of their circle through the seasons – turning their autumnal colors, closing down their systems and pulling their energies into the deepest parts of themselves. Dried, fallen although many still colorful leaves drift across sidewalks and gardens. The garden looks sleepy and settled in the low light of early winter. We have all come full circle through another year of life, while not perhaps a perfect or perfectly smooth circle by any means, we have still once again come all the way back around.

It's time to make wreaths and greens from the bounty of our gardens to celebrate the circle of the seasons.

Wreaths date back to ancient Greece and Rome when ring-shaped head pieces were made using fresh leaves, small fruits & flowers. The word wreath comes to us from the greek Diadema, "a thing bound around." In the Christian tradition, evergreen wreath-making began well before the common era to symbolize perseverance through dark winter.

Wreaths and swags made from seasonal greens, bright berries, winter fruits, and sculptural cones have long been associated with the winter holidays - with brightening shortened days and long nights, with the universal hope for the return of the light, and symbolic wishes of prosperity for the coming fresh start of the new year.

We are not alone in loving the rich look and the iconic form of the wreath. According to Adrienne Edwards, with whom I will be leading a native plant wreath workshop for the Chico State Herbarium on December 7, 2013 (http://www.csuchico.edu/biol/Herb/workshops/Wreath_Workshop_12-7-13.pdf): "Wreaths have been created since ancient times to represent the virtues, harvests and cycles of many cultures and religions. The Greeks used oak leaves to symbolize wisdom. Hollies have been used in wreaths since at least the late Middle Ages to symbolize eternity and new life."



through the *Seasons*

We native plant lovers and gardeners are particularly blessed with bounty when it comes to choices for natural seasonal trimmings. Your options are almost endless and to let your own creativity flow is half the fun. From the simple and serene, to the abundant and layered, from a small wreath at the base of a candle to large exterior front door or garden gate creations, your native plant garden can provide you with the beauty you need to celebrate the year coming full circle inside as well as out.

You can start with a traditional evergreen base made from a variety of evergreens: conifers – redwoods, cedars, firs, pines; or broadleaf evergreens such as Howard McMinn or Emerald Carpet Manzanita trimmings work well also. Just these materials all on their own shaped into a wreath make simple, sophisticated adornments, so you could easily stop right here.

Or, you can go the route of the full cornucopia of native plant delights and accent a large evergreen base to your heart's content. Myriad cone sizes and forms from large sugar pine cones, to tiny little cones plucked from bare alder branches can be wired all around or at just one point (top, bottom, to one side) on your wreath. You can add bright red-twig dogwood (*Cornus sericea*) branches, or antler-like bare bleached Manzanita branches all around the wreath, or again just as accents at one point. You can add the texture, fragrance and color contrast of sprays of white sage, which even dry will remain fragrant for far longer than the current season. You can add wired acorns and glossy mahogany buckeyes, and you can brighten up any of the above with clusters of bright red toyon berries or white mistletoe.

The days may be short, they may even be cold and gray, but the gifts of the seasons come full circle when your native plants add beauty and cheer to the ringing out of this circled season and the heralding in of the coming one.

Simple Wreaths (top) red-berried toyon,
(middle) Emerald Carpet Manzanita, (bottom) native California bay.



A VERY FINE ACTOR THE ASTER



by Rex Burress

Browsing around in the autumn dry weed patches and rock rubble of a riverside-field one October 25th day, at a time when salmon were splashing and the cottonwood leaves were turning yellow in Oroville, CA, I confronted a most beautiful cluster of California asters.

The lovely lavender “stars” had exploded from seemingly dead dry stems to put some glory in the brown field like they had been held in reserve to feed the bees and represent future flowers of springtime. It is not for me to say why or how they had waited so long to bloom, or where they had found the moisture to rise from a season of sun-baked soil.

Henry David Thoreau said of asters in 1856: “You thought Nature had about wound up her affairs; you had seen what she could do this year, and had not noticed a few weeds by the roadside, or mistook them for the remains of summer flowers now hastening to their fall; you thought you knew every twig and leaf by the roadside and nothing more was to be looked for there; and now to your surprise, the ditches are crowded with millions of little stars.”

The asters that Thoreau spoke of were the eastern species, *Symphyotrichum laterflorum*, formerly *Aster lateriflorus*, or calico aster with variable white or lilac colored ray florets compared to the lavender-hued Feather River species. I had encountered *Aster chilensis*, or California aster, but they had the same small star shape as the eastern variety.

Aster is from a Greek word meaning star, due to the out-spread ray florets that close at night on many species. The rays produce pollen and act as an attraction and ‘landing strip’ for incoming insects, while the central yellowish disc florets composing the corolla is the seed-heart of asters.

The pleasant species term, ‘Aster,’ (no relationship to Esther or Easter except for sharing purple hues) has been widely used to replace the traditional Compositae or Sunflower Family name, which has become the Asteraceae Family.

In those botanical name-changer scientific circles, we now have the ungainly genus name of *Symphyotrichum* to contend with when speaking

of the simple aster. At least Vern Oswald, in his book, “Vascular Plants of Butte County,” used Aster in recording the 11 species of Butte County.

Whatever the scientific jargon-rip-rap, it is gratifying to be able to encounter lovely aster blossoms in the autumn and see the lingering relationship with insects. Actually, October in Oroville features a lot of color, both from native and introduced flowering plants and from deciduous leaves. Wild fuchsia blossoms glow scarlet among the river rocks, and even the alien red-flowered eucalyptus erupts in pink down by the riverside to excite the hummingbirds well into winter.

By November 1st, I checked the circular patch and the flowers were changing into little round parachute puffs that would lift with the wind and carry the seeds to a new destination.

With nearly 500,00 species of flowering plants on earth, and over 2,000 species in Butte County, it strains the vocabulary of even botanical experts to understand the abundant distribution of species, and to explain the creation and evolution of plants. There are about 23,000 species of Asteraceae alone, rivaled only by the Orchid Family, and includes such useful things as lettuce, artichoke, sunflowers (what would baseball be without players spitting sunflower hulls?), safflower, and Jerusalem artichokes [*Helianthus tuberosus*], which is neither from Jerusalem nor is it an artichoke! Somehow *H. tuberosus* grew in the corner of my garden this year, shooting up seven feet before I pulled them down. Revealed were grotesque-looking tubers resembling gin-seng. What does tuberosus have in common with asters? They, too, have the sunflower family ray and disc florets.

Although some 250 species of asters grow around the world, at least 150 are natives of North America, with 75 species found east of the Rockies. They have been prevalent for at least 49-million-years, according to fossil finds.

“With daffodils mad footnotes for the spring,
And asters purple asterisks for autumn.”

--Conrad Aiken

FRIENDS of the HERBARIUM

Wreath Making with Native Plants Workshop

December 7, 2013

1- 4 pm in 129 Holt Hall, CSU, Chico

Bring native plant beauty and cheer into your holiday season. Learn about native plants and preserve them in a naturally fragrant native plant wreath. Instructors: Jennifer Jewell is a garden writer, photographer and creator of "In a Northstate Garden" and Outreach Coordinator for Gateway Science Museum; Adrienne Edwards is a botanist, ecologist and arborist who teaches at Chico State, consults on environmental issues, develops educational materials, and designs native plant restorations. Registration fee is \$35 or \$45 to make two wreaths. Contact the CSU, Chico Biology Office at (530)898-5356 or jbraden@csuchico.edu. Detailed descriptions and forms are available on the Chico State Herbarium website: www.csuchico.edu/biol/Herb/Events.html

NORTHERN CALIFORNIA BOTANISTS

2014 SYMPOSIUM

Northern California Plant Life: Botany for a Changing World

On January 13-14, 2014, the Northern California Botanists will be presenting a two-day symposium to be held at the Bell Memorial Union at California State University, Chico. The symposium will include topics ranging from alpine ecology to Northern California botanical discoveries, and a third day of workshops to choose from. The symposium will also include an evening reception and banquet with keynote speaker David Ackerly of the University of California, Berkeley, addressing "Climate Change and Conservation". The symposium is open to anyone: botanical enthusiasts, professionals and students. www.norcalbotanists.org

Keep up with MLC Activities on our website and Facebook

California Native Plant Society,
Mount Lassen Chapter
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mountlassen.cnps.org



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ELECTED OFFICERS

(530)

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Past President	PAUL MOORE pmoore@csuchico.edu	343-4287
Vice-President	ANGIE TILARO angiechico@gmail.com	896-1882
Secretary	JIM BISHOP cjbishop1991@sbcglobal.net	
Treasurer	JOHN MEEHAN johnmeehan64@gmail.com	894-5339
Members-at-Large	CATIE BISHOP cjbishop1991@sbcglobal.net	
	HESH KAPLAN heshelak@gmail.com	961-9407
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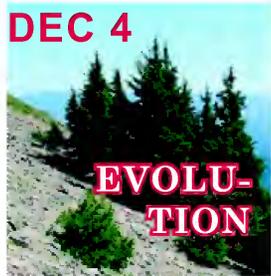
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Education	OPEN	
Invasive Plants	SUSAN MASON smason908@gmail.com	892-1666
Field Trips	WES DEMPSEY wdempsey@csuchico.edu	342-2293
Co-chairs	GERRY INGCO genaringco@aol.com	893-5123
Membership / Hospitality	KARROLYNN YELLS KarroLynnY@att.net	534-3551
Horticulture	PAULA SHAPIRO paulashapiro49@gmail.com	343-7440
Newsletter Editor	DENISE DEVINE dsrdevine@hotmail.com	345-8444
Programs	JIM BISHOP cjbishop1991@sbcglobal.net	
Co-chairs	WOODY ELLIOTT woodyelliott@gmail.com	342-6053
Rare Plants	RON COLEY rcoley64@comcast.net	533-1238
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Sales	JOHN MEEHAN johnmeehan64@gmail.com	894-5339
Co-chairs	ELLEN COPELAND copelande12@yahoo.com	
Vol. Recognition / Chapter Council Delegate	CATIE BISHOP cjbishop1991@sbcglobal.net	
Events	JANNA LATHROP jlathrop4mlc@comcast.net	636-4547
Yahi Trail	STEPHEN OVERLOCK stephenoverlock@sbcglobal.net	892-0635
CCNC Gardens	CLAIRE MEEHAN meehanclaire1@gmail.com	

MOUNT LASSEN CHAPTER
 CALIFORNIA NATIVE PLANT SOCIETY
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 DECEMBER 2013 issue



Pipevine

	<p>Phyllis would say Join Today!</p>		<h2>Calendar</h2> <p>2013-14</p>												
<h3>MEMBERSHIP APPLICATION</h3>															
<p>CALIFORNIA NATIVE PLANT SOCIETY</p>															
<p><i>I wish to affiliate with the Mount Lassen Chapter</i></p>		<p>new _____</p>													
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<p>CNPS 2707 K STREET, SUITE 1 SACRAMENTO, CA 95816-5113</p>			<table border="0"> <tr> <td>Student / Limited Income</td> <td>\$25</td> </tr> <tr> <td>Individual</td> <td>\$45</td> </tr> <tr> <td>Family / Library</td> <td>\$75</td> </tr> <tr> <td>Plant Lover</td> <td>\$100</td> </tr> <tr> <td>Patron</td> <td>\$300</td> </tr> <tr> <td>Benefactor</td> <td>\$600</td> </tr> </table>	Student / Limited Income	\$25	Individual	\$45	Family / Library	\$75	Plant Lover	\$100	Patron	\$300	Benefactor	\$600
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			<p>November</p> <p>21 - CSUC Tree Tour</p> <p>December</p> <p>4 - General Meeting 5 - CSUC Tree Tour NO Ex Board Meeting</p> <p>January</p> <p>1 - Banana Belt, Bidwell Park 13-14 - Nor Cal Botanical Symposim 15 - Ex Board Meeting 22-26 - Snow Goose Festival</p> <p>February</p> <p>5 - General Meeting 19 - Ex Board Meeting</p>												