



California Native Plant Society
Santa Clara Valley Chapter

THE BLAZING STAR

November-December 2013

For November, we'll have **two programs**: our usual potluck and annual election, plus on **November 1** we'll have an update on Sudden Oak Death. Read on for details.

ANNUAL MEETING AND POTLUCK

Saturday, November 9th at 6:00 PM
Shoup Garden House,
400 University Avenue, Los Altos

**Edgewood Weed Warriors:
Twenty-Five Years Young!**
Drew Shell, Chapter Edgewood Chair

Join us for our favorite get-together of the year: the annual potluck dinner and election meeting, followed by Drew Shell's update on Edgewood. Drew's talk will be our annual **Brenda Butner Memorial Lecture**. The evening is devoted to native plant appreciation, Chapter business, and delectable victuals. It's the party of the year – don't miss it!

Edgewood Park and Natural Preserve near Redwood City has been a focal point for our Chapter for decades, dating back to major efforts to preserve the park from development in the 1980's and early 1990's. Yet even before the final shots were heard

in that battle, another campaign was already beginning: the campaign to protect and restore the park by turning back waves of non-native plant invasions that otherwise would snuff out the botanical beauty, diversity, and rarity that make Edgewood so special.

Launched in 1989, the CNPS-led weed abatement program has grown by leaps and bounds under amazing leaders like Elly Hess and Ken Himes. Now in its 25th year and known as the Edgewood Weed Warriors (EWW), the program has made incredible progress – but new invaders and challenges loom on the horizon and much more great work lies ahead to realize the EWW vision of making Edgewood a spectacular showcase for the Bay Area's native flora.

We'll hear from Chapter Edgewood chair Drew Shell about EWW's successes and challenges both past and present.

We'll celebrate the spirit and dedication that make EWW (and CNPS!) so special and that have made EWW a paragon of habitat restoration in our region. In Drew's words, "With so much still ahead of us, we're not 25 years old; we're 25 YEARS YOUNG!"



Alf Fengler

Drew Shell weeding at Edgewood Open Space Preserve, fall 2012. Drew says this was the first time EWW had ever FULLY treated what had been a very large stand of Harding Grass in the heart of the Carex Meadow at Edgewood. "I had been working on that stand for several years, and in this photo I'm holding the very last clump that completed the treatment."

Drew Shell is a long time Chapter volunteer and activist, having started out as an EWW volunteer in 2001 and going on to serve in many Chapter roles, including: Vice President, San Mateo County Conservation Chair, member of nominating and strategy committees, Board retreat strategist/facilitator, occasional field trip/seminar leader, frequent Members' Night presenter and fund raiser for Drew Shell Conservation Fund. Drew may be reached at shell@corp.webtv.net.

The evening begins at 6pm with our **annual potluck**. Bring your favorite dish, whether it be a salad, main dish, dessert, or beverage; it always works out that we have just the right amount of everything! A label identifying your dish will be helpful. Be sure to bring a plate, drinking glass, and eating utensils for yourself, as well as a bag in which to take home unwashed dishes.

We will also have a **silent auction** of books and other items which help raise funds for the Chapter. If you have extra books in fair to good condition, or other items to donate, please put your items in a bag labeled "CNPS Auction" and drop them off at our office at the PCC at 3921 E. Bayshore Rd. in Palo Alto **on or before November 5** or contact judy@fenerty.com. Volunteers will properly label and price the items to be auctioned in time for the meeting.

If you can help with setup, please **arrive at 5pm** to set up chairs and tables. The potluck feast will begin at **6pm**, followed by the **program at 7pm**. We appreciate your help with clean-up at the end of the program.

CNPS General Meetings are free and open to the public. For more information, contact Chapter President Stephen Rosenthal at sailinsteve@sbcglobal.net or the Chapter phone at (650) 260-3450.

Directions: From I-280: take the El Monte exit east. Turn left (north) on University Ave. (just before Foothill Expy.). The Garden House is 0.6 mile ahead on the left (west) side of the street. **From Hwy. 101:** take the San Antonio exit west/south. Go 3.5 miles. At the 3rd stoplight after crossing El Camino Real (Edith/Main), bear right on to Main St. (not sharp right into Edith). Continue on Main until it crosses Foothill Expy. and turn left immediately on to University Ave. Bear right; the Garden House is 300' ahead on the right.

Chapter Annual Election

The annual potluck is also the time to elect our Chapter officers for the coming year. All Chapter members may run for office—nominations may also be made from the floor at the potluck. Following is the slate put forth by the Nominating & Leadership Committee:

President	Stephen Rosenthal
Vice President	Madeline Morrow
Treasurer	Dee Wong
Recording Secretary	Radhika Thekkath

The Chapter Leadership Committee thanks **all** the officers and chairs who served this year. We have several open

Board and Committee Chair positions including Program Committee Coordinator. For more information, contact Stephen Rosenthal at sailinsteve@sbcglobal.net or the Chapter phone at (650) 260-3450.

GENERAL MEETING & PROGRAM

Friday, November 1, 7:30 PM
Los Altos Library Program Room
13 South San Antonio Road, Los Altos

Sudden Oak Death:

Latest Findings and How Citizen Scientists can Help

A talk by: **Dr. Doug Schmidt, UC Berkeley**

Last May we learned about the latest research on Sudden Oak Death (SOD) from the world's leading SOD expert, UC Berkeley's Dr. Matteo Garbelotto. We now know a great deal about SOD: we know which pathogen causes SOD, how it came to California, how it spreads, the most effective ways for control, containment, and eradication, and – most importantly – how we can help. In May, teams of citizen-scientist volunteers fanned out over Los Altos Hills and Villa Montalvo to collect samples of bay laurel leaves for lab analysis. This was part of a massive state-wide citizen science effort called the SOD Blitz.

Join us to learn about the results of this year's Blitz, what new discoveries have been made, and how they will influence next year's Blitz. Dr. Doug Schmidt of UC Berkeley will present the highlights of this year's lab analysis and implications for the future. He will also introduce the new mobile phone app SODMAP Mobile, which makes the Blitz data readily accessible. Dr. Garbelotto and his team will soon publish a paper showing the validity and the usefulness of citizen science data collected through the Blitzes.

Citizen scientists are invited to help collect specimens, map the pathogen, and help contain its spread. The next SOD management training will take place on **Saturday, November 23 at 10am** at Montalvo Arts Center, at 15400 Montalvo Road in Saratoga. This training will focus on the SOD biology and how to slow down the disease. For more info. contact Kelly Sicat at KSicat@montalvoarts.org.

You may contact Dr. Schmidt at dschmidt@berkeley.edu. The SOD Blitz project, meeting schedule, and local organizer contacts are detailed at www.sodblitz.org. Thanks for getting involved!

CHAPTER ACTIVITIES

Native Plant Nursery at Hidden Villa

Come help propagate plants for our next plant sale by volunteering at one of our nursery work sessions, every **Wednesday and Thursday, from Noon to 3pm** (note winter hours). Bring garden gloves, sunhat, clippers, and liquids and your lunch if you like. Other tools will be provided at the nursery. Knowledge of plants is not necessary; your willingness to help is all that's required.

Plants may be purchased at the Wednesday workdays through the end of November. Please plan to pay by check. For more info., contact Melanie Cross at (650) 947-1325 or melanie@pcross.com; or Ray Deutsch at (650) 365-6136 or ray.deutsch@yahoo.ca.

Directions: Hidden Villa is located on Moody Road west of Foothill College. From Hwy. 280 in Los Altos Hills, take the Moody Road exit and head west. Two miles west of Foothill College, look for the Hidden Villa sign and driveway on the left. Proceed over the bridge and park in the visitor center parking lot to your right. The Nursery is at the greenhouse just beyond the visitor center.

Gardening with Natives

Gardening with Natives (GWN), a special interest group within the Chapter, includes a mix of landscape architects, designers, seasoned native plant gardeners and beginners. It offers many talks throughout the year which are free and open to all.

This year's theme is *Native Plant Vignettes*, where monthly presenters share tips on designing discrete areas of your garden, such as parking strips or meadows. For more information, visit www.GardeningWithNatives.com.

These programs are made possible by co-sponsoring libraries and volunteers who help with program logistics. If you would like to help organize similar programming at a library near you, contact arvind.kumar@cnps.org.

Hands-on Native Iris Dividing and Garden Cleanup, a demonstration by Sherri Osaka

Saturday, November 2, 10:00 AM-12:00 PM, Peninsula Conservation Center (PCC), 3291 E. Bayshore Road, Palo Alto (408) 867-6126

Early November is the perfect time to divide your native iris, so join us for a Saturday morning demonstration at the

garden area in front of the PCC. We will be dividing and giving away the extra iris, cutting back the fescues and alum roots, and deadheading the California bush anemones. Bring your gardening gloves, pruners, water, snack, hat, boots, and a container in which to take home your new baby plants.

Sherri Osaka is a licensed Landscape Architect and Bay-Friendly Qualified Designer. She started her company Sustainable Landscape Designs in 1997. Since then she has been lecturing and implementing ecological landscaping techniques, including drought-tolerant native plants, graywater and rainwater irrigation systems, pervious paving, and reusable materials.

**Landscaping Around Oaks,
a talk by Debbie Ellis**

Wednesday, Nov. 6, 7:00-8:30 PM, Los Altos Library, 13 S. San Antonio Road, Los Altos (650) 948-7683

When designing landscaping around oaks, we need to keep in mind some guiding principles about these large-growing, tough-appearing, but in some ways very sensitive trees. It's more than just a plant list – the specific plants to use around oaks are the final thing you should consider, although they are still very important. In general, you will learn that less is more and simpler is better! What does George Burns have to do with California native oaks? Come and find out!

Debbie Ellis is a consulting Arborist and Horticulturist. She has offered a broad range of technical and advisory services to the horticulture, arboriculture and agriculture industries and private individuals since 1984. While studying at UC Davis she trained specifically for horticulture problem-solving; today she emphasizes prevention of problems, accurate diagnosis and practical solutions.

**Seed and Cutting Exchange,
a demonstration by Alan Hackler**

Thu. Nov. 14, 7:00-8:30 PM, Cupertino Community Center, 10350 Torre Road, Cupertino (650) 851-0147

One of our most popular events, the seed and cutting exchange arrives just in time to sow seeds and take advantage of the upcoming rains. This year Alan Hackler will give a demonstration on the how, when, why, what and where of native plant propagation prior to the exchange.

Alan Hackler is the owner of Bay Maples, a design-build firm and native plant nursery in the South Bay. Alan has a degree in Environmental Studies from San Jose State University, is a Build-It Green member, and has LEED and graywater accreditations.

**A Native Garden to Attract Birds,
a talk by Toby Goldberg**

**Monday, December 2, 7:00-8:30 PM, Milpitas Library,
160 N. Main Street, Milpitas (408) 262-1171 x3616**

Birds make a garden come alive. They are a source of endless entertainment: dashing, fluttering, feeding, jumping, scratching, drinking, bathing, and flying. These foraging creatures are independent spirits, but if you provide what they need – food, water, shelter, and nesting spaces – they will return to your urban garden again and again.

Toby Goldberg is the programs coordinator for the Santa Clara Valley chapter of The Audubon Society. She'll describe what species of birds you can expect to see in the Bay Area, and the specific, easy-to-grow native plants that will attract them to your garden.

Keying with Natives

Join us as we learn and practice methods of identifying the native plants of our region (aka keying). From beginners to more advanced, there are challenges for all. Bring in plant samples if you have some or just come and work with the materials provided. We discuss the various plant books and practice keying with them. Microscopes are also available.

The upcoming dates are **Fridays, October 25, November 8, and December 13, from 6:30pm - 8:30pm.** (Note holiday schedule.) We meet at the Peninsula Conservation Center (PCC), 3921 E. Bayshore Road in Palo Alto. For more information, please contact Dave "Tex" Houston at 350co2now@gmail.com or (650) 303-2777; or Sally Casey at (408) 377-0989.

Directions to PCC: From Highway 101, take the "San Antonio North" exit, get immediately into the left-hand turn lane, and turn LEFT onto East Bayshore. This will curve around to the left, then right. Turn right on Corporation Way. Then turn into the first driveway on your left, which leads to the PCC parking lot. The meeting rooms are on the first floor.

Ulistac Natural Area Action Alert: Update from LIVECoRPs

If you could help save the local environment in 15 minutes a month, would you do it? Last month over 70 people answered that question with a resounding "yes."

In September we learned that Ulistac Natural Area was in danger of being turned into soccer fields. The City of Santa Clara had decided that they need to move their soccer field facility. The current location is across the street from the 49ers' new football stadium and is potentially being converted to a parking area for the stadium. The City Council was considering three new locations for the sports facility and Ulistac Natural Area was on the list. Over many years Chapter members have contributed expertise, plants and hundreds of volunteer hours to help create this treasure.

In an effort coordinated with other environmental organizations we sent out an action alert to our membership. Within three days the City Council received over 200 email comment letters. Sixty-three of those were from our members.

We are thrilled beyond measure that so many people responded. It shows how vibrant and committed to environmental preservation our members are. Santa Clara City Council is now looking for alternative sites, but the fight is not over – stay tuned. We may need more letters or for people to show up at future Santa Clara City Council meetings. Thank you for your support!

LIVECoRPs, the Chapter's Conservation Committee meets on the **third Tuesday** of the month, at **7pm** at the Peninsula Conservation Center in Palo Alto (PCC). Our next meetings will be **November 19 and December 17**. Please come join us. For questions, comments or concerns, please contact LIVECoRPs Chair Linda Ruthruff at ldruff@hotmail.com. For **directions** to the PCC, please see the Keying with Natives article above.

RARE PLANT NEWS

Chapter Volunteers Help Restoration Project

More than 20 volunteers assembled at Justen Whittall's Santa Clara University laboratory in early September to clean, weigh and pack jewelflower seeds for a restoration planting on Tulare Hill in southern Santa Clara County. More than half these volunteers had been recruited by an

email alert sent to CNPS Chapter members. Dr. Whittall estimated that more than 10,000 seeds were ready to plant as a result of these efforts.

The seeds we were working on were from Metcalf Canyon jewelflowers, *Streptanthus albidus* ssp. *albidus*. Santa Clara University had received a grant from the US Bureau of Reclamation to propagate and reintroduce the federally endangered Metcalf Canyon jewelflower on Tulare Hill, where it had grown historically.

Dr. Whittall spoke at a Chapter General Meeting in March of 2012 about his research on serpentine endemics on Coyote Ridge. His research documented genetic differences among jewelflower populations, evidence which subsequently convinced the state CNPS rare plant committee to retain a 1.B (rare, threatened, or endangered) ranking for the Most Beautiful jewelflower, *Streptanthus albidus* ssp. *peramoenas*.

Rare Discoveries in Santa Clara County -- Correction

Regarding the rare plant discovery story in our September-October newsletter, we need to make a correction. We said a rare plant survey had identified a rare Congdon's tarplant growing on the other side of a chain-link fence at the Palo Alto airport. Well, shortly after that we discovered large numbers of common spikeweed growing nearby. It is indistinguishable from Congdon's tarplant except by examining the disk flowers under a hand lens. We were able to obtain samples of the plant growing inside the fence at the airport and discovered it was not the rare Congdon's tarplant after all. We had spoken too soon.

SCHOLARSHIP NEWS

We thank Chapter scholarship recipients Miranda Melen, Laney Widener and Maya Hayden for giving us reports describing their research. We've included Miranda's report in this newsletter. Look for Laney and Maya's reports in a future newsletter or at the Chapter website.

The Perks of Being a Ben Lomond Wallflower

By Miranda Melen,
Environmental Studies
Graduate Program, San
José State University



Miranda Melen

Photo 1: Zayante Sandhills scattered between mixed evergreen forests in the Santa Cruz Mountains

Hidden among towering redwoods and moist evergreen forests of the

Santa Cruz Mountains are the hot and dry Zayante Sandhills (Photo 1). The Sandhills support a threatened ecosystem with a remarkable diversity of plants and animals, many of which are rare or endangered and are thought to be highly adapted to the sandy soils.

One of the most beautiful plants found in this landscape is *Erysimum teretifolium* (Ben Lomond wallflower, Photo 2). The Ben Lomond wallflower has thin, needle-like leaves with "terete" margins on mature leaves, which gives it its Latin name. These leaves are arranged in a basal rosette, out of which grows a long stem with inflorescences of



Miranda Melen

Photo 2: Ben Lomond wallflower (*Erysimum teretifolium*) visited by a variable checkerspot (*Euphydryas chalcedona*) butterfly.

butter-yellow flowers. Although the flower evolved in tandem with a rich community of rare and endemic insects, its reproductive needs are not well understood. For this study, I collaborated with a team of scientists from Santa Clara University, San José State University, and University of California at Santa Cruz to investigate 1) whether the Ben Lomond wallflower reproductively benefits from pollination services provided by insects, and 2) whether the plant's genetic resilience is compromised by geographic isolation among island-like patches of remaining Sandhill habitat.

In order to determine whether insects are important for pollinating the Ben Lomond wallflower, we first needed to know which insects interact with the plants. We took video cameras to the Sandhills and recorded over 150 flower hours documenting numerous insect visitors. From these videos, we found that the Ben Lomond wallflower has a high visitation rate (each flower is visited approximately 30 times over its lifetime) from a diversity of insect pollinators including butterflies, moths, bees, and flies.

In order to assess the reproductive importance of these insect visits, we looked for signs of inbreeding and outbreeding depression among the geographically isolated populations of wallflower in the Sandhills. Ben Lomond wallflower seeds were collected from four distinct locations and then grown into reproductive adults. In a greenhouse, plants were crossed to create inbred and outbred offspring. The number of seeds produced by each cross was considered a proxy for the fitness of the resulting offspring. Self pollinations were used to detect inbreeding depression or signs of self-incompatibility, whereas outcross pollinations looked at importance of pollinators.

We were very interested to find that plants crossed with unrelated partners, as occurs in the presence of a healthy suite of insect pollinators, produced six times more seeds than plants that were self-pollinated (Figure 1). Furthermore, outcrossing within a patch or across large distances among patches was equally successful. This reproductive evidence, in conjunction with evidence of high levels of insect visitation in the field, suggests that pollinators may be instrumental in ensuring reproductive success of the Ben Lomond wallflower, and that they may have provided enough genetic mixing within and among populations to evenly distribute genetic diversity across populations in these island-like habitats.

In habitats of special interest such as the Zayante Sandhills, we must recognize not only the named plants and animals that are rare and endangered, but also species interactions, including insects for pollination services. With a better understanding of how parts of the community fit together, we can better protect endangered species.

So what are the perks of being a Ben Lomond wallflower? Yes it is endangered, and its habitat is being degraded and

is disappearing, but thanks to the funding from readers like you, researchers like me are helping it tell its story, so we can all help it to survive!

Thanks to the Santa Clara Valley CNPS support, Miranda presented this research at two conferences: Evolution 2013 in Snowbird, Utah; and the 98th Annual Ecological Society of America Meeting in Minneapolis, Minnesota. Miranda may be contacted at mkmelen@gmail.com.

Education Scholarship Fundraising

The fund-raising effort for our Education Scholarship Fund is well underway, but we are still far from our goal of \$75,000.

At CNPS we firmly believe that education is the key to protecting our habitat and since 1999 our Chapter has given scholarships to graduate students who study our local ecology, flora, soil or invasive plants. We believe that such scholarships will capture and hold young minds and in the long term will make a significant difference to the quality of our local environment. In this newsletter you have just read a report from a scholarship recipient.

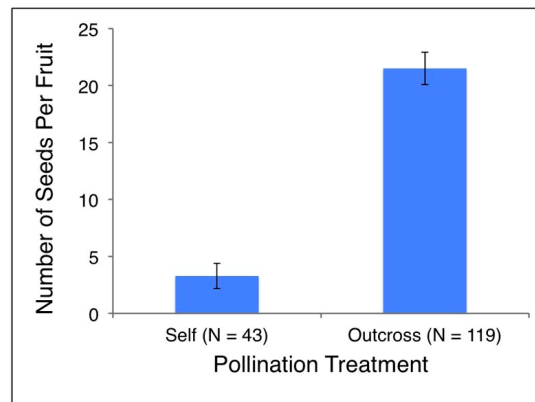


Figure 1: Outcrossing produced 6.5 times more seeds per fruit than selfing ($P < 0.0001$) indicating a substantial reliance on pollinators.

We would like to thank Alexandr Andoni, Rob & Annie Bedichek, Chandu & Radhika Thekkath, Stephen Rosenthal and two anonymous donors for their contribution to our Fund.

We appreciate contributions of any amount. To donate, please send a check written to "CNPS" with a note that it is for "The SCV Education Scholarship Fund" to CNPS, Santa Clara Chapter, 3921 E. Bayshore Rd., Room 205, Palo Alto, CA 94303. If you have any questions please contact Radhika Thekkath at rthekkath@yahoo.com.

CHAPTER SERVICE OUTINGS

Habitat Restoration at Edgewood Park

Come help remove non-native weeds from Edgewood Park and provide critical habitat for the endangered species. Weeding sessions take place at the following times:

- **Friday mornings** throughout the year, starting at **9am**
- **Wednesday evening** weeding will resume next March when Daylight Savings Time returns.

For Edgewood Weed Warrior schedules, meeting places, and other details, visit edgewood.thinkersrus.net; contact Paul Heiple at (650) 854-7125 or pheiple@gmail.com; and email John Allen at jcakwa@comcast.net for Friday info.

The trip is limited to 20 people. **To save your spot** and for directions to the meeting place please RSVP by email to jakesigg@earthlink.net or call him at (415) 731-3028. The following Saturday, Nov 9, will be a rain date.

CHAPTER FIELD TRIPS

Chapter field trips are free and generally open to the public. They are oriented to conservation, protection and enjoyment of California native plants and wildlife, and we adhere to all rules and guidelines for the lands on which we are visiting.

In our region it is very important to be prepared for hiking on rugged and steep terrain, wide temperature ranges and rapidly changing conditions at any time of year. All participants should wear sturdy footwear and carry sufficient water, sun protection, food, clothing layers, personal first aid and other supplies you may need. If you have any questions about your ability to participate in a particular field trip, please contact the trip leader in advance.

Sat Nov 2 8:30am – 4pm Crystal Springs Watershed – Sightseeing and Restoration

Join leaders Jake Sigg and Ken Himes in this joint CNPS Yerba Buena/Santa Clara Valley Chapter trip. We have designed this trip to combine sightseeing with working. Lots of sightseeing, only a couple hours working.

The grasslands/wildflower areas in the coast ranges are disappearing. In the absence of the frequent burning practiced by the native peoples, most grassy areas proximate to the coast are converting to shrubs or forests. We owe so many of our coastal wildflower areas to the frequent burning by the Native Americans and we are gradually losing these areas because there is no substitute technology for preserving them, now that prescribed fire is no longer possible. The loss of these coastal prairies would be tragic, as they harbor a great variety of wildflowers in a matrix of many species of perennial bunchgrasses. Many animals such as hawks, owls, and coyotes need these open foraging grounds.

We expect to spend one or two hours cutting down small bushes encircling these postage-stamp-sized areas, pushing their perimeters back a few feet. Then we'll strike out on a six-mile roundtrip hike along Pilarcitos Creek to see the historic old Stone Dam. Even late in a dry year there is much to see in this fog-influenced area. Tools and gloves will be supplied; bring lunch and lots of liquids. We expect this to be a rewarding day.

Field Trip Planning Meeting

Mon Nov 18 7:00-8:30pm PCC Palo Alto

We will be planning outings for early 2014. With our mild winters, there are many interesting places to visit before spring officially begins. We will also discuss potential overnight and camping trips. All are welcome to join in on the discussions.

If you can't attend the meeting but want to lead an event let Field Trip Chair Carolyn Dorsch know so we can schedule it. For more information contact Carolyn at cdorsch1@aol.com or (650) 804-6162 (eves).

Directions to the PCC (Peninsula Conservation Center), see directions following the KWN article on page 4.

Wed Jan 1 10am – 2pm Año Nuevo State Preserve (Hwy 1 coast-southern San Mateo County)

Join us as we celebrate a Chapter tradition of welcoming the New Year with a walk and picnic at Año Nuevo State Preserve on the San Mateo County coast. The preserve is located south of Pescadero on Highway 1, just north of the Santa Cruz County line. **Meet in the parking lot** (\$10 day use fee) at **10am**.

Latecomers will find us on the trail in the coastal prairie. We'll enjoy sea cliff vegetation, raptors, songbirds and maybe marine mammals. We will face a moderate high tide at noon, but should be able to picnic on the beach (in the area in which seal tour reservations are not required).

As this is a day to have fun at the beach with fellow Chapter members, the ending time and depth of botanical discussion may be extended depending on participants. We will finish at the visitor center. Bring binoculars and layers for variable conditions including wind, sun and fog. Heavy rain cancels. For more information contact Carolyn Dorsch at cdorsch1@aol.com or (650) 804-6162 (eves).

DEADLINE FOR THE NEXT *BLAZING STAR*

Saturday, December 7, 2013

**Email: mattsson@surfpix.net
Phone: (408) 255-3767**

Santa Clara Valley Chapter California Native Plant Society
3921 East Bayshore Road
Palo Alto, CA 94303



Join CNPS Today!

Members receive the *Fremontia*, the *Bulletin*, and the Chapter newsletter, and other benefits listed at www.cnps.org/membership

Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Email _____

Chapter _____

Membership level (check one):

- \$45 Individual
 \$75 Family
 \$100 Plant Lover
 \$300 Patron
 \$600 Benefactor
 \$1500 Mariposa Lily
 \$25 Student/Limited Income

Areas of interest:

- Advocacy
 Botany
 Conservation
 Education
 Field Trips
 Gardening
 Plant ID

Donations above the membership level are gratefully accepted.

Dues and donations are tax-deductible. Make your check payable to "CNPS" and mail it with this form to:

CNPS Membership, 2707 K Street Suite 1, Sacramento, CA 95816 • 916-447-2677 • fax 916-447-2727

FIRST-CLASS

CALENDAR OF EVENTS (page # in parentheses)

Oct 25 Fri Keying with Natives (4)

Nov 1 Fri **General Meeting - Schmidt - SOD** (2)

Nov 2 Sat Crystal Springs restoration field trip (7)

Nov 2 Sat GWN - Iris dividing - Osaka (3)

Nov 6 Wed GWN - Landscaping around oaks (3)

Nov 8 Fri Keying with Natives (4)

Nov 9 Sat **Annual Meeting & Potluck - Shell** (1)

Nov 14 Thu GWN - Seed & cutting exchange (3)

Nov 18 Mon Field trip planning meeting (7)

Nov 19 Tue LIVECoRPs (conservation) meeting (4)

Nov 23 Sat SOD management training (2)

Dec 2 Mon GWN - Attracting birds - Goldberg (4)

Dec 7 Sat **Newsletter submittal deadline** (7)

Dec 12 Thu **Chapter Board meeting**

Dec 13 Fri Keying with Natives (4)

Dec 17 Tue LIVECoRPs (conservation) meeting (4)

Jan 1 Wed Año Nuevo field trip (7)

Jan 2 Thu **Newsletter Mailing Party - 10am PCC**

Wed & Thu noon - 3pm Nursery work sessions (3)

Fri 9am Edgewood Park weeding (6)

The next Chapter Board meeting will be **Thursday, December 12 at 7:00pm** location **TBD**.

It will be our annual budget meeting. Please bring food to share.

Chapter Board meetings are open to all Chapter members and their guests.

For more information contact Stephen Rosenthal at sailinsteve@sbcglobal.net.

The California Native Plant Society is a statewide non-profit organization of amateurs and professionals with a common interest in California's native plants. The Society, working with its local chapters, seeks to increase understanding and to preserve the rich heritage of the native flora for future generations. Membership is open to all. Individual memberships are \$45.00 per year. If you have questions about your newsletter subscription, please contact membership@cnps-scv.org. Address changes may be submitted to cnps@cnps.org and please put "member address change" in the subject line.