



The Cypress Cone

The newsletter of the California Native Plant Society
SANTA CRUZ COUNTY CHAPTER

Volume 33, No 2

www.cruzcnps.org

March – April 2008

Chapter General Meeting

Cosponsored by CNPS and the
UCSC Arboretum

Alrie Middlebrook
Designing California Native Gardens
The Plant Community Approach to Artful Ecological Gardens

March 10, 2008

6:30 P.M. potluck; 7:30 P.M. lecture
• UCSC Arboretum Horticulture Building •

Every March, we cosponsor with UCSC Arboretum a special membership meeting for like minds, and folks interested in getting involved and informed about the wonderful life of plants and their habitats. We hope to gather more people and build our membership organizations.

Alrie Middlebrook, the San Jose-based native garden designer, artist, and sustainable landscaper, has teamed up with renowned field botanist Dr. Glenn Keator, and co-authored their highly acclaimed book, *Designing California Native Gardens; The Plant Community Approach to Artful, Ecological Gardens*, published by UC Press.

The book champions the diversity and beauty of California's native plants and demonstrates how they can be brought into ecologically sound, attractive, workable, and artful gardens. It features sample plans for native garden designs accompanied by original drawings, color photographs, plant lists, tips on successful gardening with individual species and more.

Forty percent of all power consumed in California is used to pump water. Planting a native garden reduces water usage by up to 75 percent, substantially curbing power

usage and harmful green house gas emissions, said Alrie Middlebrook. This book connects people to nature by helping them understand their local plant community and explains how to design and install a beautiful and sustainable California native garden.

Alrie Middlebrook is recognized as a leader in California native gardening, and is a committed advocate and practitioner of ecology-based landscaping. She has designed and built over 150 California native gardens. She published *Eating California*, a California native plant cook book. Her award-winning firm, Middlebrook Gardens, specializes in natives and sustainable landscaping.

Glenn Keator is a free-lance botanist, teacher, and writer in the Bay Area. His specialty is California native plants and he leads field trips throughout the state and beyond. He is author of *Introduction to Trees of the San Francisco Bay Area*, *The Life of an Oak*, *Plants of the East Bay Parks*, and the *Complete Garden Guide to the Native Perennials of California*.

Designing California Native Gardens; The Plant Community Approach to Artful, Ecological Gardens will be available for purchase at the meeting.

- This and subsequent Chapter meetings will take place at the UCSC Arboretum Horticulture Building. •
- Take the road from the Arboretum entrance past Norrie's gift shop and turn left at the top of the hill •

Conservation News

Court Issues Decision in Arana Gulch Lawsuit; Appeal to Save Greenbelt Filed in Sixth District Court

On November 9, 2007 the Santa Cruz Superior Court issued a decision against the lawsuit by CNPS and Friends of Arana Gulch (FOAG) on the Arana Gulch Master Plan and its Environmental Impact Report (EIR). On Tuesday, January 8, 2008 the CNPS and FOAG filed their appeal of that decision. At issue is the lack of alternatives in the EIR for development of a bicycle connection between the east and west sides of Santa Cruz. The City's EIR failed to consider alternative bike routes that do not cross habitat of a genetically significant population of Santa Cruz tarplant.

The tarplant (*Holocarpha macradenia*) is listed as "endangered" by the State of California, and "threatened" by the federal government. In October 2002, the US Department of Fish and Wildlife Services designated Arana Gulch as "critical habitat" for the tarplant. The project would build a 340 foot long bridge over Hagemann Gulch, a "steel span" over Arana Creek, and two 8-11 foot wide paved bicycle routes through tarplant critical habitat. In the EIR, the City admitted that the project will create a "significant and unavoidable impact" to the tarplant and Environmentally Sensitive Habitat Areas that are protected by the Coastal Act. The City

approved the project despite these impacts. "The sad truth is that the City can approve a plan that is a win-win," said Vince Cheap, Conservation Chair, Santa Cruz Chapter of CNPS. "There are plenty of options for an east-west bike link that would completely avoid the tarplant habitat. Instead, the City chooses to pit cyclist against an endangered species." There are many bicyclists who do not support the paved bike route across Arana Gulch Greenbelt because of the Project's impacts on endangered species. Bicyclist Don Fong, a westside resident and project opponent said, "It's a sad day for bicyclists when the City uses bicycling as an excuse to pave over the critical habitat of an endangered species. I'm proud to stand with the growing number of bicyclists who are saying, 'Not in our name!'"

The Arana Gulch Greenbelt is a 67.7-acre parcel of land located approximately 1.5 miles east of downtown Santa Cruz. It was acquired after voters passed Measures O and I which called for the preservation of greenbelt land. It was purchased by the City of Santa Cruz in 1994. For over 10 years, members of the community have spoken against this project. CNPS and FOAG refuse to remain silent and let this project destroy the tarplant habitat of this coastal prairie meadow. "This is 2008, not 1988 or 1998," said Jean Brocklebank of Friends of Arana Gulch. "The more the City is developed and infilled, the more precious our undeveloped greenbelts."

Call For Donations to Save the Arana Gulch Greenbelt

The City's Master Plan is based mainly on construction of a paved bike route through the coastal prairie and threatens critical habitat of the endangered Santa Cruz tarplant as well as other species. After the November 9, 2007 decision the City is now in position to continue with the bike project even though there are viable alternatives that would avoid tarplant habitat. As noted above CNPS and FOAG have filed an appeal to prevent the building of the bike route through tarplant critical habitat! We have confidence in the strength of our case. *Please donate now.* Your tax-deductible contribution will go straight to our legal expenses.

Please send your check to:

Kit Birskovich
FOAG/CNPS
528 Windham Street
Santa Cruz, CA 95062

Note: Please make your check out to the **California Native Plant Society** with a notation for **Arana Gulch Litigation Fund** This court appeal is needed to protect the critical habitat of the endangered Santa Cruz tarplant. **Join with us** to help guarantee that Open Space stays open and that tarplant habitat remains unpaved for generations of Santa Cruzans to come. Thank you.

Sincerely,

Kit Birskovich, Friends of Arana Gulch
Vince Cheap, California Native Plant Society

Spring Plant Sale Arboretum Eucalyptus Grove Saturday April 19

**10:00 - 12:00 CNPS & Arboretum members
12:00 - 4:00 pm Public**

Once again our chapter will be joining the UCSC Arboretum in our Spring Plant Sale. You can turn your garden into a spring flower display by selecting from an array of annuals in a rainbow of colors. Both native and hybrid irises will also be available, along with manzanitas, ceanothus and more. Wondering what to plant and how to care for it? Experts will be on hand to answer all your questions. While you're there check out the books and posters too. Come out to the sale to buy, learn, meet other CNPS members, and find out what programs the chapter has to offer.

If you would like to participate in the behind-the-scenes activities, (e.g. helping to transport plants or being a cashier) call Karen Hildebrand at 426-1172.

Changes on Board

Welcome back Casey Stewman and Peggy Edwards! Both of them recently rejoined our Chapter's Board of Directors.

Casey Stewman has returned as our Membership chair. His past positions include Vice President and President.

Peggy Edwards returns from past Poster Sales work to join the Conservation Committee. She is (and has been) working on the Scotts Valley High School Reserve program to help obtain a Federal grant for the Reserve's restoration, as well as interesting science and biology departments to use the Reserve as an outdoor laboratory and provide an incentive to keeping the Reserve in good condition in perpetuity.

We'll soon be in the full flush of Spring events and trips. The Publicity seat is open, ready and waiting for an eager someone to help spread the word about the Chapter's activities. How about you? Contact the Newsletter Editor if you might be interested.

Santa Cruz Chapter Board of Directors for 2008

President Brett Hall brett@ucsc.edu

Vice-President: *open*

Secretary: Kris Houser 462-6672, KrisHouser@sbcglobal.net

Treasurer: Suzanne Schettler 336-1745, greening@cruzio.com

Membership: Casey Stewman gentiana43@sbcglobal.net

Conservation: Vince Cheap 477-1660, vince@sasquatch.com; Stephen McCabe 336-2141, smccabe@ucsc.edu;
Peggy Edwards pegedwards@sierranatureprints.com 566-8471.

Rare Plant Coordinator: Randall Morgan 466-0680

Invasive Exotics: Linda Brodman 462-4041, redwdrn@pacbell.net; Fred McPherson fredwood@cruzio.com

Vegetation: Casey Stewman

Educational Outreach: Fred McPherson fredwood@cruzio.com

Legislation: *open*

Programs: Linda Brodman 462-4041, redwdrn@pacbell.net

Publicity/Outreach: *open*

Field Trips: Ellen Holmes 684-2363, ellen@centralcoastwilds.com

Newsletter: Charles Koester 335-9466, cnps@koester.com

Hospitality: Angel Guerzon 212-8359, 140 Belmont St. #1, Santa Cruz CA 95060

Plant Sales: Karen Hildebrand 426-1172, Linda Willis 479-1535

Plant Propagation: Michael Luther 688-3897, 406 Semple Ave, Aptos, CA 95003; Denise Polk 685-3235 dmpolk@cruzio.com

Poster Sales: Peggy Waters 336-9283

Book Sales: Ernie Wasson 688-6386, sluggo@cruzio.com

Special Projects: Janell Hillman emerald@cruzio.com; Stephen McCabe

Webmaster: Bill Malone billmalone@pacbell.net

Members at Large: Mary Ellen Irons 426-8410, 207 Archer Dr, Santa Cruz; Kim Hayes hayes@elkhornslough.org

Spring Field Trips

Come out and enjoy the first field trips of the year! As always, check the Chapter website for the latest updates and possible new outings.

Saturday, March 15, 10am-2pm

Sunset State Beach with Tim Hyland

The beaches of Santa Cruz once contained a remarkable array of plants especially adapted for life at the exposed edge of the continent. Much habitat has been lost to development, agriculture, and invasive weeds. Tim will show us one of the sites where State Parks has been burning invasive dunegrass and watching the natives spring back to life. Our 2-mile mosey will include foredunes, wetland, and the reardune, home to the only rare sand gilia in Santa Cruz County. We'll visit the hopefully extirpated veldtgrass site, and see the largest population of *Chorizanthe robusta robusta* in the world. Birds abound, so bring your binoculars as well as hand lens and lunch! . I'll bet you can't find a flowering plant onsite, that Tim won't be able to identify! At the beach entrance, let the kiosk operator know you're there for "the CNPS fieldtrip", then head down to the south end of the lower day use parking area. The 2-mile mosey will include a scenic lunch stop. Tim, 831-359-3722

Saturday March 22 10AM-Noon

Edible and Medicinal Native Plants of Natural Bridges w/Helena Hope Roberts and L. Roxanne Evans

Come learn how to spice up your life on this native plant walk! Helena Hope is a third generation herbalist and certified classical homeopath, who will identify plants as natives or exotics, and discuss their uses, including edible, medicinal, homeopathic, and Native American uses. L. Roxanne Evans is an ecological landscape designer and consultant, and is the owner of EcoCentric Design Co. As a former organic farmer and wildcrafter, she calls herself a wild edibles enthusiast. If you wish to tame some of the plants you learn about on the walk, she can help you learn how to bring them into your garden. Wild snacking may happen during the walk! Helena Hope and Roxanne have updated the recently published booklet entitled, "I Bet You Didn't Know This About The Plants of Natural Bridges", with additional plant info, drawings and appendices. The new booklet will be available for \$12.00. Hiking will be less than 2 miles and consists of easy strolling. Meet at 10AM at the parking lot to the left of the main entrance of Natural Bridges State Park on West Cliff Drive, Santa Cruz. RSVPs are appreciated but not required. Thanks! For more info/RSVP: 831-768-1382 or 831-421-2843; tasteofthebay@gmail.com.

Saturday April 12, 2pm-sunset

Peak of Season Wildflower Tour Fort Ord Public Lands (and Thai Dinner) with Bruce Delgado.

Join us on a driving/hiking tour of Fort Ord. Always beautiful in peak of wildflower season and always floriferous and fascinating after a fire. Join BLM botanist

Bruce Delgado (394-8314 or bdelgado@mbay.net) to enjoy this year's wildflower havens across Fort Ord. Driving tour with moderate to easy hiking stops with a shepherd and his 2000 sheep, hopefully stunning vernal pools, a 2005 grassland/oak woodland wildfire and a maritime chaparral prescribed fire. Total hiking 3-5 miles, mostly very gentle climbs or flat. Radically different, but all very special wildflowers and vistas, rare plants and other native beauties. Meet at 2pm and carpool from Fort Ord's Thrift Shop (formerly the Visitor Center) just inside (first parking lot on the right) Fort Ord's main gate on Lightfighter Drive. Optional Thai Dinner to follow in nearby Marina at My Thai Restaurant.

Sunday Apr 13 8:45am-3pm

Upper Garzas Creek Hike & BBQ Potluck. Rancho San Carlos, Carmel Valley area

Join local resident and trip leader Al Washburn (awashburn8@comcast.net or 373-4873) and his sidekick botanist Bruce Delgado on a visit to Al's private cabin in the woods along Garzas Creek at 2000' elevation. Your choice of gentle walks along the creek or more strenuous hike up steep surrounding hills. There will be quite beautiful waterfalls and riparian habitat, a good variety of lush ferns, tiger lilies, and perhaps peak of season wildflowers. Assemble behind Brinton's Hardware store in Carmel to carpool where we'll be leaving 845am sharp and will return at 3pm or later as arranged. Or meet at 9am sharp at the entrance to Rancho San Carlos Road off Carmel Valley Road. 4WD vehicles needed for access across several creek crossings. Parking limited so carpooling a must. **CNPS members and guests only.** Bring potluck lunch items to share around a cooking fire to eat near the tumbling creek.

Friday, Saturday & Sunday April 18-20

Pacific Grove Museum of Natural History's 47th Annual Wildflower Show

Don't miss this outrageous display at the Museum, corner of Forest and Central (648-3116) in Pacific Grove. Countless volunteer hours will provide you with a sensual and intellectual overload, as you realize there are approximately 600 species of flowers, labeled and organized by family. Go Friday for freshest scents!

Saturday Apr 19, 11am-1:30pm

Bonny Doon Ecological Reserve with Val Haley

The Santa Cruz Sandhills support some of the rarest natural communities in the world. And who better to show you their splendors than Val Haley, who has dedicated much of her life to their exploration and restoration! On this

Spring Field Trips (continued)

moderate 2-mile hike, Val will discuss the ecology and geology of the area, as well as pointing out such rarities such as *Chorizanthe pungens* var. *hartwegiana*, *Arctostaphylos andersonii*, and *A. silvicola*, and the lovely curly-leaved monardellas and Ben Lomond wallflowers. When was the last time you saw Western Burning Bush or Labrador Tea? (which tells you she may wander off the sandhills towards the creek). Hike is limited to 15 people. You must contact Val to reserve a spot: 831-425-0687 or vegnet@cruzio.com. Bring sun protection, water, snack, etc. Meet at the fire station on Martin Rd in Bonny Doon.

Saturday Apr 26, 10AM-Noon

Edible and Medicinal Native Plants of Delavega Park, Santa Cruz w/Helena Hope Roberts and L. Roxanne Evans

Come learn how to spice up your life on this native plant walk in DeLavega Park. Helena Hope is a third generation herbalist and certified classical homeopath, who will identify plants as natives or exotics, and discuss their uses, including edible, medicinal, homeopathic, and Native American uses. L. Roxanne Evans is an ecological landscape designer and consultant, and is the owner of EcoCentric Design Co. As a former organic farmer and wildcrafter, she calls herself a wild edibles enthusiast. If you wish to tame some of the plants you learn about on the walk, she can help you learn how to bring them into your garden. Helena Hope and Roxanne have recently published a booklet entitled, "*I Bet You Didn't Know This About The Plants of DeLavega*" with plant info, drawings and appendices. The new booklet will be available for \$12.00. Hiking will be less than 2 miles and consists of easy strolling. Meet at 10 AM the parking lot in upper DeLavega at the end of the road by the gate. RSVPs are appreciated but not required. Thanks!
For more info/RSVP: 831-768-1382 or 831-421-2843; tasteofthebay@gmail.com.

Saturday-Sunday April 26-27 Dayhike or Backpack Volunteer Service Trip to Laguna Creek and The Gorge, San Benito Co. with Bruce Delgado

If you enjoy a cool dip after a warm, moderate hike, join in with BLM staff and the Sierra Club on this volunteer opportunity. We will conduct minor trash pick up and develop a species list as we hike approximately 2 miles up Laguna Creek to The Gorge. Camping is primitive (e.g. no water or facilities). This up and back trip can be accomplished in one day if you prefer, but you don't want to miss a fun evening under the stars and valley oaks. Contact BLM botanist and trip leader Bruce Delgado for directions and details at bdelgado@blm.gov or 831.394.8314.

Saturday May 3, 11am-1:30pm

Bonny Doon Ecological Reserve with Val Haley

The Santa Cruz Sandhills support some of the rarest natural communities in the world. And who better to show you their splendors than Val Haley, who has dedicated much of her life to their exploration and restoration! On this moderate 2-mile hike, Val will discuss the ecology and geology of the area, as well as pointing out such rarities such as *Chorizanthe pungens* var. *hartwegiana*, *Arctostaphylos andersonii*, and *A. silvicola*, and the lovely curly-leaved monardellas and Ben Lomond wallflowers. When was the last time you saw Western Burning Bush or Labrador Tea? (which tells you she may wander off the sandhills towards the creek). Hike is limited to 15 people. You must contact Val to reserve a spot: 831-425-0687 or vegnet@cruzio.com. Bring sun protection, water, snack, etc. Meet at the fire station on Martin Rd in Bonny Doon.

Saturday, May 3. All Day

Botanical Excursion to Clear Creek/San Benito Mountain with BLM Botanist Ryan O'Dell.

One of the most bizarre and impressive serpentine areas in the world is 90 miles southeast of Monterey Bay. Join Ryan O'Dell of BLM for this guided tour of serpentine riparian, barrens, grasslands, and chaparral for splendid flowers such as rare fritillary lilies, sunflowers, and serpentine grassland fire-followers from a prescribed burn of 2007. Meet at the Hollister BLM Office at 8am for carpooling or at the Clear Creek Rd./Coalinga Rd. jct. at 10am. Contact Ryan at 831.630.5028 or ryan_o'dell@blm.gov to RSVP.

Sunday May 4 10am-12pm

Coastal Prairie Mima Mounds with Deanna Giuliano and Brett Hall

Join Brett Hall and Deanna Giuliano on a trip to one of our local wonderlands, a coastal wet prairie with mima mounds. You will see an amazing display of our local native bunch grasses, sedges, and rushes, along with a kaleidoscope of annuals and bulbs. Among the highlights we hope to see in bloom are *Calochortus uniflorus* and *Brodiaea terrestris*. This trip will be from 10 am-12 pm, or longer if we find more interesting flora. Bring water, sunscreen, hat and a lunch. We'll hike to two adjacent meadows, with easy access and a leisurely walk. To meet us at the meadow: there are turnouts by the bus stop on Empire grade, Santa Cruz, about ½ mile north of the twin gates of Marshall Field (UCSC Natural Reserve). Parking is located on the right and left hand sides of the road. Carpooling is encouraged, but not CNPS-sponsored. The Barn Theatre at the entrance to UCSC campus (High St and Bay St) is a good meeting place. Contact Deanna Giuliano for any questions at drosegiuliano@yahoo.com or call 831 278-2699.

Spring Field Trips (continued)

Mothers Day Sunday, May 11, 10am-3pm

Fort Ord Vernal Pool Flora and Fauna with Bruce Delgado and Suzanne Worcester.

We'll focus during several short hikes on rare wetland flowers such as the endangered Contra Costa goldfields and the always beautiful Johnny Nip (*Castilleja ambigua* ssp. *insalutata*, a wetland relative to the Indian paintbrushes), brownie thistle, and ladies tresses. We'll also enjoy flowers between the pools such as early rein orchids and other late spring wildflowers such as the beautiful virgate Eriastrum and what will likely be many surprises. Meet 10am at the Thrift Store parking lot inside the Lightfighter Dr./Fort Ord main entrance exit off Hwy. 1. When was the last time you cavorted around mima mounds? Bring water, weather protection, lunch, and wear good walking shoes. Call Bruce at 394-8314 or 277-7690 or email him at bdelgado@blm.gov or bdelgado@mbay.net.

Saturday May 17

Mysterious Monterey Manzanitas with Mike Vasey

For details see website <http://www.cruzcnps.org> or the May-June issue of the *Cypress Cone*.

Saturday May 17, 11am-1:30pm

Bonny Doon Ecological Reserve with Val Haley

The Santa Cruz Sandhills support some of the rarest natural communities in the world. And who better to show you their splendors than Val Haley, who has dedicated much of her life to their exploration and restoration! On this moderate 2-mile hike, Val will discuss the ecology and geology of the area, as well as pointing out such rarities such as *Chorizanthe pungens* var. *hartwegiana*, *Arctostaphylos andersonii*, and *A. silvicola*, and the lovely curly-leaved monardellas and Ben Lomond wallflowers. When was the last time you saw Western Burning Bush or Labrador Tea? (which tells you she may wander off the sandhills towards the creek). Hike is limited to 15 people. You must contact Val to reserve a spot: 831-425-0687 or vegnet@cruzio.com. Bring sun protection, water, snack, etc. Meet at the fire station on Martin Rd in Bonny Doon.

Saturday May 24 10AM-Noon

Edible and Medicinal Native Plants of Henry Cowell Helena Hope Roberts and L. Roxanne Evans

Come learn how to spice up your life on this native plant walk through the majestic redwoods! Helena Hope is a third generation herbalist and certified classical homeopath, who will identify plants as natives or exotics, and discuss their uses, including edible, medicinal, homeopathic, and Native American uses. L. Roxanne Evans is an ecological landscape designer and consultant, and is the owner of EcoCentric Design Co. As a former organic farmer and wildcrafter, she calls herself a wild

edibles enthusiast. If you wish to tame some of the plants you learn about on the walk, she can help you learn how to bring them into your garden. Helena Hope and Roxanne have published a booklet entitled, "*I Bet You Didn't Know This About The Plants of Henry Cowell*" with plant info, drawings and appendices. The new booklet will be available for \$12.00. Hiking will be less than 2 miles and consists of easy strolling. Meet at 10 AM in front of the Henry Cowell Interpretive Center, near Felton. There is a \$6.00 park entrance fee. Free parking is available outside the park. RSVPs are appreciated but not required. Thanks! For more info/RSVP: 831-768-1382 or 831-421-2843; tasteofthebay@gmail.com.

CNPS Plant Science Workshops

The Plant Science Training Program specializes in providing workshops for professional botanists, biologists, and ecologists to teach the skills and provide the tools and resources for conducting sound scientific surveys for rare plants, rare plant communities, vegetation, wetlands, and invasive plants.

CNPS membership entitles you to a discount on attendance. There also is a work exchange program which may waive some or all of the workshop fees.

For more information visit the state website at <http://cnps.org/cnps/education> or contact Josie Crawford at (916)447-2677 or jcrawford@cnps.org.

Mar 25-27 Vegetation Rapid Assessment

Where: Jasper Ridge, Santa Cruz Mountains

Primary Instructors: Todd Keeler-Wolf, Julie Evens, Nick Jensen

April 14-16 Vernal Pool Plant Taxonomy

Where: UC Davis, Sacramento, & San Joaquin Valley

Primary Instructors: Carol Witham, Ellen Dean, and Jennifer Buck.

May 4-5 Identification, Ecology, and Management of Invasive Plants

Where: Sacramento Valley

Primary Instructors: Joe Di Tomaso, et al

May 20-22 Lower Sacramento Valley Wetland Plants

Primary Instructors: Virginia Dains, Bob Holland, and Captain Tule

Restoration News

Award for the Habitat Restoration Team

Our very own Habitat Restoration Team was recently recognized for its efforts at Quail Hollow Ranch County Park. Congratulations to Linda Brodman and all the other members of the team! The following was written for the QHR newsletter by Park Naturalist Lee Summers.

Have you walked down Quail Hollow Ranch's Discovery Loop lately and noticed the carpets of French broom sprouting up in the meadow? No? You haven't? That's because, after five years of repeatedly pulling up these nasty, non-native, invasive weeds, this year's broom sprouts are getting kind of sparse. Yes, it's true. The seed bank of French broom is finally beginning to show signs of depleting, a feat that wouldn't have been possible without the dedication and tenacity of the California Native Plant Society's Habitat Restoration Team, and specifically the program leader, Linda Brodman. Every year Linda (along with other Quail Hollow and CNPS volunteers) dons her work gloves, grabs some handy weed wrenches, and leads groups of up to 45 community volunteers down the trail to pull this wildland weed. It is for this reason that the County Parks Department has nominated the Habitat Restoration Team for an award through the California Park and Recreation Society (Monterey and Santa Cruz Chapter). On Friday, January 18 Linda accepted the award for Outstanding Service at an awards and installation dinner in Monterey. Congratulations Linda and everyone involved with the CNPS Habitat Restoration Team! Thanks to your long-term commitment, we are beginning to make headway in improving the health of our natural systems at Quail Hollow.



Linda Brodman (left) and Lee Summers

Cape Ivy Research Needs Funding Help

Cape Ivy (*Delairea odorata*) is an invasive vine that blankets so many acres of coastal California that it has in recent years been the subject of research to identify a biocontrol. The initial efforts focused on identifying suitable insects in South Africa, then shifted to research in California. A gall fly and a stem-boring moth have both been identified. They were tested on more than 80 species of plants during 50 generations at the Agricultural Research Service (ARS) lab in Albany, CA, and neither candidate agent was able to complete their development on anything other than its Cape Ivy host. A permit is being sought to release both of these agents into the field, and review of the petition for release will take 3 to 9 months. Meanwhile, funding is needed to carry out the administrative and field details that will lead to release, and to hire grad students in the release areas to monitor how the populations do after release. Ongoing private funding helps maintain internal ARS support for the program by demonstrating public support. Coastal chapters of CNPS have been supporting this research for several years. Our chapter board recently voted to contribute \$500 to the Cape Ivy biocontrol fund, and to match donations up to another \$500. If you wish to contribute, please make out a check to CNPS and mail it to the treasurer

Suzanne Schettler

P.O. Box 277

Ben Lomond, CA 95005

with a notation that it is for "Cape Ivy Research". Your contribution will be doubled.

Habitat Restoration Team Events

We are a volunteer group working to restore native habitat in the parks and protected lands in Santa Cruz County. Our program provides an opportunity for people to learn about the natural systems that surround them while helping to restore special and wild places. No prior work experience is necessary, just show up at the park. We welcome individual volunteers from 8 to 80 years, as well as special group projects. Wear comfortable layered clothing, bring something to drink, and lots of enthusiasm! We work rain or shine, but if things get particularly unpleasant, we call it a day. Tools provided; bring gloves.

Contact: Program Leader, Linda Brodman 831.462.4041, redwdnrn@pacbell.net

March 1, 2008 10 am to 1 pm
Twin Lakes State Park

March 29, 2008 10 am to 1 pm
Quail Hollow Ranch County Park

Join the California Native Plant Society!

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Chapter (County) Affiliation: _____

Please make your check payable to CNPS and send to: Membership Chair, CNPS, 2707 K Street, Suite 1, Sacramento, CA 95816

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

CNPS is an incorporated non-profit organization. Your donations are tax deductible as allowed by the laws governing 501(c)3 organizations.



CNPS is a non-profit organization dedicated to the preservation of California native flora. CNPS has 31 chapters throughout the state and membership is open to all persons – professional and amateur — with an interest in California's native plants. Members have diverse interests including natural history, botany, ecology, conservation, photography, drawing, hiking, and gardening. Your membership includes *Fremontia*, a quarterly journal with articles on all aspects of native plants; the *Bulletin*, a statewide report of activities and schedules; and the *Cypress Cone*.



California Native Plant Society
Santa Cruz County Chapter
P.O. Box 1622
Santa Cruz, CA 95061
Address Service Requested

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