



California Native Plant Society

MARIN CHAPTER NEWSLETTER

Tiburon Mariposa Lily (Calochortus tiburonensis)

Marin Chapter established 1973

Monday, March 10, Marin Chapter Meeting

Jeff Bisbee on "Arctostaphylos: A Photographic Tour of California's Manzanita."

Manzanita is one of the most recognized shrubs in California, being identified even by those who are not botanically inclined. It is also one of the most admired. However, few people can identify the individual species of manzanita. In the presentation, we'll look at some of the key characters in *Arctostaphylos* that are useful to identify the individual species and subspecies, followed by a quick look at some manzanita relatives in the Ericaceae family. Of the 105 species and subspecies, 104 occur either in California or northern Baja California. We'll take a quick look at some *Arctostaphylos* growing outside the California floristic region, then concentrate on those within the state and northern Baja, considering 13 regions, pointing out which species occur in each region and the hotspots of manzanita diversity.

Jeff Bisbee is a botanist and botanical photographer. He has provided photos for a number of books, including *Conifers Around the World*, and he has traveled throughout Mexico and the United States photographing and collecting specimens of conifers, *Arctostaphylos*, *Ceanothus*, and other plants. He also cultivates many species of plants from seed collected throughout



▲ *Arctostaphylos viscida* (whiteleaf manzanita)
▼ *Arctostaphylos myrtifolia* (lone manzanita)—Jeff Bisbee



these regions. He is one of the editors and writers for the *Bulletin of the Cupressus Conservation Project* (www.cupressus.net/bulletin.html). Earlier on this same day, Jeff will lead a chapter field trip to see the *Arctostaphylos* of Mount Tam.

March meeting:

5:30 p.m. (Please note that we are changing to an earlier start time.) Join friends and meet our speakers for a no-host dinner at Gira Polli of Mill Valley, 590 East Blithedale Ave. at Camino Alto. Please call Gerd or Kristin Jakob at 415-388-1844 at least one day ahead to be assured of a seat with our group.

7:30 p.m. Meet at the Redwoods retirement home, 40 Camino Alto, Mill Valley. Books, posters, and cards will be for sale before as well as after the meeting. Lecture starts at 8 p.m.

CNPS MARIN CHAPTER SCHOLARSHIPS 2014

The Marin Chapter is pleased to announce that three scholarships will be available to qualified undergraduate and graduate students who will be conducting research on California native plants during the 2014–2015 academic year. There will be two Joe Kohn Scholarships (one undergraduate and one graduate), and one Ken Howard Graduate Scholarship. For more information and an application form, visit the Marin Chapter website at www.marinnativeplants.org.

PRESIDENT'S MESSAGE

Dear Members,

I am pleased to let you know that our chapter is partnering with several other organizations to help fund an exciting new restoration project. These organizations include the Marin Municipal Water District, the North Bay Watershed Association, Point Blue Conservation Science (formerly Pt. Reyes Bird Observatory), and STRAW (Students and Teachers Restoring A Watershed). The area to be restored is at Pine Point, a peninsula jutting out into Bon Tempe Lake in the Mt. Tamalpais watershed. The approach is cutting edge, integrating climate change adaptations into a habitat restoration; it offers educators and students an opportunity to explore the processes of species adaptation and ecological succession. The restoration site also provides a unique venue for interpreting watersheds, water supply, and conservation, and the importance of habitat restoration to water quality.

The immediate goal is to restore about an acre of oak woodland habitat using a "climate smart" planting palette. If this pilot program is deemed successful, MMWD will scale up and apply similar techniques and principles throughout a larger, 27-acre restoration site at Pine Point.

Several members of our board visited the site with Janet Klein, MMWD's head biologist, in December. Decades ago, a random selection of conifers were planted at Pine Point; as these died out, Douglas fir and broom moved in. MMWD has now completed three years of intensive invasive species control and fuel load reduction on the Point. Invasive species control will be ongoing, and patterns of song bird utilization of the site will also be monitored.

Planting will not begin until the fall, given the unusually dry conditions. STRAW will involve students from local K-12 schools, and we'll organize at least one work party for CNPS members. About 100 oaks will be direct-seeded at the site; these will be species that are resistant to Sudden Oak Death. Big leaf maples and buckeyes will be planted amongst the oaks, as will a number of shrubs, perennials, and grasses. There will be an emphasis on plants that provide berries for the birds and creating a test case for "assisted migration" of species; that is, introducing plants to this location that are found growing on Mt. Tam, but in higher and drier locations.

Signage at the site, mailings to MMWD ratepayers, and curriculum materials for students will all include information about Marin CNPS as a sponsor of this project, providing recognition of our chapter as an important partner in conservation work.

—Charlotte Torgovitsky

SOD BLITZ—CITIZEN SCIENTISTS NEEDED!

Saturday, April 26, 10 a.m.

Location: Joseph R. Fink Science Center, Rm 102, Dominican University, San Rafael.

Invasive species represent a major threat to California native flora and fauna. Make a difference by participating in one of our Sudden Oak Death Blitzes! These volunteer-based surveys allow us to map the yearly expansion of the disease, increase our understanding of the spread potential of the pathogen, and identify key trees that allow the pathogen to survive during unfavorable dry spells. Because the pathogen moves short distances, proximity of oaks to established infestations can alert us to the risk of their contracting the infection. Many trees are too far apart for infection to occur even in counties that are well infested; SOD Blitzes allow for an accurate mapping of infection risk.

Even with the recent rains, 2014 promises to be the third dry year in a row. These are the perfect conditions to identify key trees in which the pathogen survives; their removal may be extremely beneficial to lowering disease levels. The SOD Blitz consists of four phases:

- 1) A training in which participants are taught what to look for and how to collect it. All collecting materials are provided. Participants are encouraged to bring their iPhones or Android-based phones, as they may help with collections by downloading the free SODMAP mobile app.
- 2) Participants collect leaf samples in the 1–3 days following the training, and return them to a pre-established collection point. Most participants spend a couple of hours in the field.
- 3) Samples are processed and analyzed at UC Berkeley.
- 4) On October 1, results are published on the web at www.sodblitz.org.

This year our trainings will be short and concise, and we expect to have everybody out within 45 minutes. The training itself will last approximately 30 minutes; the rest will be spent distributing collection packets that include all the materials you need. Even if you attended trainings before, this year we will emphasize how to identify key trees that allow for survival of the pathogen during droughts. Thanks to CNPS for co-sponsoring many of the meetings. Please share this invitation with friends and neighbors. Visit www.sodblitz.org for the full list of 2014 SOD Blitz meetings, and schedule updates.

—Matteo Garbelotto and all the researchers at the UC Berkeley Forest Pathology and Mycology Laboratory
For more information, write wolfgang.schweigkofler@dominican.edu or kristinjacob@att.net.

Save native plant habitat at Point Reyes with the...

THIRD THURSDAY WEEDERS

March 20 & April 17, 9:30 a.m.

Join the "Third Thursday Weeders" to spend a day at beautiful Point Reyes and help tackle invasive weeds that threaten important plant habitat in the Point Reyes National Seashore.

The Weeders meet regularly on the third Thursday of every month, either in the Seashore or at other sites in West Marin. The location of each work party is set in consultation with Seashore staff. Over the past three years, we have made great progress on the iceplant and veldt grass infestations at the Outer Point, European beachgrass at Abbott's Lagoon, perennial pepperweed in the Giacomini Wetland, and cape ivy at Pierce Point.

Our March session will take place in the botanically special area near the Lighthouse parking lot; hopefully, spring wildflowers will be starting. We'll be weeding out small iceplant seedlings from areas that have already been weeded once.

To sign up and receive notification of the meeting places in March and April, please send an email to cklongstreth@gmail.com and be sure to let Carolyn know if you plan to attend. Bring plenty of water, lunch and snacks, warm and wind-stopping layers, sturdy shoes, and work clothes. No shorts or open-toed shoes. The Park provides tools and gloves. For more information, contact Carolyn Longstreth at cklongstreth@gmail.com or 415-669-7514 or Ellen_Hamingson@nps.gov. Hope to see you there!



Wildflowers near Lighthouse, free of weeds
—NPS photo

CNPS 2014 WORKSHOPS

**March 11-12: Rare Plant Survey Protocols—
A Scientific Approach**

**March 13: Online Resources for Botanists,
Biologists, and Ecologists**

Taught by: Heath Bartosh, Aaron Sims, with a lecture by Roxanne Bittman

This is a two-day course with an optional third day, with a combination of classroom, field studies, and computer lab exercises in Davis and West Sacramento, California. The first two days will include classroom and field settings where the instructors will cover three topic areas: preparing for surveys, conducting surveys, and reporting findings. Time spent in the field will be applying the concepts learned during classroom sessions.

Cost: Days 1 & 2: CNPS members \$310 / non-members \$335. Day 3: \$160

**April 1–2: Introduction to Plant Family
Identification**

Taught by: David L. Magney

Location: Casitas Springs, Ventura County

This is an intensive introductory course on how to recognize plant families, focusing on the 25 dominant families of native plants found in California.

Cost: CNPS members: \$310 / non-members: \$345

**April 15–17: Spring Flora of the Eastern Mojave:
A Focus on Five Formidable Families**

Taught by: Jim Andre and Tasha LaDoux

Location: UC Granite Mountains Desert Research Center, Mojave National Preserve, eastern Mojave

This course will focus on the taxonomy and ecology of five major plant families that collectively comprise more than 50% of the species in the spring flora: Asteraceae, Boraginaceae, Fabaceae, Polemoniaceae and Onagraceae.

Cost: CNPS members: \$360 / non-members: \$395

**April 29–May 1: Measuring and Monitoring Plant
Populations**

Taught by: John Willoughby

Location: UC Santa Cruz Arboretum, Santa Cruz, CA

Using classroom and field exercises, the workshop will focus on the role of plant population monitoring for adaptive management. Topics cover principles of sampling design, field techniques for measuring vegetation, analyzing monitoring data, and presenting results.

Cost: CNPS members: \$410 / non-members: \$445

For more detailed course descriptions and to register, visit www.cnps.org/cnps/education/workshops.

PLANTS OF THE MONTH

Text and photos by Doreen Smith

Plants of the month comprise two species of *Calystegia*, *purpurata* and *occidentalis*. The former is one of our most common western morning glory species. Already I have seen this vine flowering on a chain-link fence by the downtown San Rafael Highway 101 exit (northbound). Mostly the flowers of this species are white, purple-lined, and fading pink, but some plants have pink flowers from the beginning and fade almost red-purple. This gives the reason for the Latin specific epithet.



Calystegia purpurata ssp. *purpurata* (western morning glory)

Marin has two subspecies of *Calystegia purpurata*; the most common is ssp. *purpurata*, a vine seen trailing over other vegetation. The other subspecies is the rarer fleshy, more-compact, coastal-bluff plant, ssp. *saxicola*. Marin appears to be the southern limit of distribution for ssp. *saxicola*. It grows in the coastal prairie at Pt. Reyes. Best examples locally can be seen on the banks of the trail down to McClures Beach and on Tomales Point. They flower in early summer.



Calystegia purpurata ssp. *saxicola* (Bodega morning glory)

As the flowers of our local morning glories are all very similar in shape and color, the key features used to identify the species are vegetative. You need to check the hairs present (or not) on the leaves, the leaf shape, and the position and shape of the sub-floral bracts. At one time *C. purpurata* and *C. occidentalis* were thought to be the same species. Amongst the now-apparent differences is that *C. occidentalis* is hairy

and flowers for a short period of the year. It is a grass-land species with short trailing stems, it rarely climbs, and has the bracts positioned very close to the calyx. In *C. purpurata*, the bracts are well below the calyx.

The hills above old St Hilary's in Tiburon have *C. purpurata* ssp. *purpurata* growing on the lower slopes and *C. occidentalis* on the uplands. Marin has three other species of California native *Calystegia*: *C. collina*, *C. subacaulis*, and *C. soldanella*. The large-flowered, white morning glory from Stinson Beach once thought to be native *C. sepium* ssp. *limnophila* is now known to be the European introduction *Calystegia silvatica* ssp. *disjuncta*.



REMEMBERING AL MOLINA

Many in Marin and beyond have fond memories of former College of Marin biology professor Al Molina. He was especially inspiring to many of the long-time members of the Marin Chapter of CNPS who learned and enjoyed their botany with him.

February 2, 2015, will be the 80th anniversary of Al's birth. To honor Al at that time, the college has launched a fundraising effort with the goal of inaugurating a special display cabinet in the new COM Science Museum. All who are interested are encouraged to contact COM biology professor Paul da Silva (Paul.daSilva@marin.edu) or Cathy Summa-Wolfe in the COM Advancement Office (cathy.summawolfe@marin.edu).



CALL FOR ARTICLES ON MEMBERS' NATIVE PLANT GARDENS

The CNPS Horticulture Program has begun running a series of articles in the *CNPS Bulletin* on members' native plant gardens. The first one appeared in the Oct.–Dec. 2013 issue on page 7. Depending on the response, this series could become a regular feature in the state newsletter. The purpose of the series is to inspire others to create their own native plant gardens, or to add natives to an already existing garden.

If you have a native plant garden you feel is special and beautiful, and you would like to share it with others in CNPS, send us an inspiring article draft of 575–600 words. We hope you'll include your experiences with the garden, as well as just describing it. Also include two high-quality photos (in JPG format, not close-ups) that show off your garden, and one-sentence captions for each. Send your submission to Susan Krzywicki, CNPS Horticulture Program Director. If we feel your article can be published, we will work with you through the editing process until it's in a final form. We look forward to hearing from a number of CNPS members!

—Susan Krzywicki, CNPS Horticulture Program Director, skrzywicki@cnps.org

MARCH 2014 FIELD TRIPS

Make some seedy pals with the Marin chapter of the California Native Plant Society. All hikes are free and open to the public, so please invite your friends. Beginning plant enthusiasts welcome on all hikes.

Come prepared for any type of weather or conditions, dress in layers, have non-slip footwear, and bring rain/wind protection just in case. Although it may be sunny and warm when you leave home, the weather could be cold and foggy when we reach our destination. Bring lunch and plenty of water, binoculars and/or hand lenses, and your favorite field guides. Contact hike leaders with any questions about individual hikes.

Field Trip Plant Lists

Plant lists for many of the locations we visit can be found on the chapter website: www.marinnativeplants.org.

Carson Falls/Carson Ridge: Pine Mountain Fire Road to Oat Hill Road

Friday, March 7, 10 a.m.

We'll start at the Pine Mountain Fire Road and climb through the serpentine barrens along Carson Ridge to the junction with Oat Hill about one mile out. In this early part of the walk, we're likely to see some flowering Mt. Tamalpais manzanita. We'll then follow Oat Hill to the Carson Falls Trail and down to the falls, hiking a total of 1.7 miles from the trailhead. Along the way, we'll look for fetid-adder's tongue, milkmaids, and other early wildflowers. We'll lunch at the spectacular Carson Falls, where we may catch a glimpse of the endangered yellow-legged frogs that live there.

Meet at the Pine Mountain Fire Rd. trailhead, about one mile south of the Meadow Club on the Fairfax-Bolinas Rd. Heavy rain cancels. Call Amelia if in doubt.

Leader: Amelia Ryan amelia_byrd_ryan@yahoo.com
707-481-9932.

Arctostaphylos of Mount Tamalpais

Monday, March 10, 11 a.m.–3 p.m.

Manzanita expert and botanical photographer Jeff Bisbee will lead a walk on Mount Tamalpais focusing on four local *Arctostaphylos* species. Starting from the parking lot at the end of East Ridgecrest Boulevard, we will scour the area around the east peak in search of *A. canescens* and *A. glandulosa*. We'll then move to a different area to hunt down *A. montana* ssp. *montana* (a rare plant) and *A. sensitiva*. Along the way we'll be on the lookout for other beauties, including several rare ceanothus. In the evening, Jeff will be our guest speaker at the chapter meeting.

Wear sturdy shoes and bring water and lunch.

Leader: Jeff Bisbee bispanal@gmail.com 775-843-2708.

Rock Spring Calypso Orchid Hunt and More!

Saturday, March 15, 2014 10:30 a.m.

In addition to searching through the forest looking for the fairy slipper orchid, *Calypso bulbosa*, we'll explore the trails around the upper Rock Spring meadow, enjoy a picnic lunch, then head down the Cataract Trail as far as participants wish to hike, enjoying other early wildflowers and a diverse array of ferns. If the weather is dry and mild, artistic participants may wish to linger near and sketch; there are picnic benches on the wooded knoll above the parking area, and a stroll across the road leads to great views.

We'll meet at the Rock Spring parking lot on Mt. Tamalpais, located at the intersection of Ridgecrest and Pantoll Roads. This is a bit over a mile uphill from the state park ranger station at Pantoll; turn uphill across the road from the ranger station. The free parking area is large and you won't miss it. For those unfamiliar with the area, the ranger station is located on Panoramic Hwy. on the way from Mill Valley to Stinson Beach. Rain cancels; call Kristin if in doubt.

This outing is offered jointly by the Marin chapter of the California Native Plant Society and the Northern California Society of Botanical Artists. Here is a link to the area's plant list on the CNPS Marin website: http://www.marin.edu/cnps/Rock_Spring.html

Leader: Kristin Jakob kristinjacob@att.net 415-388-1844.



SAVE THE DATE!

SPRING PLANT SALE

Saturday April 12, 10 a.m.–3 p.m.

Volunteers at the nursery have been busy propagating a variety of native perennials, shrubs, and bunchgrasses: all drought-tolerant plants, all great for a home garden. We're also growing a selection of annual wildflowers in four-inch pots, as well as a selection of larval host plants for the habitat gardener.

Please let us know if you can help!

There's a lot of planning behind the scenes: creating fliers and signage; organizing displays, demos, and speakers; and outreach to partnering organizations. We'll also need volunteers to help with setup, and on the day of the sale.

We would be most appreciative of help from a graphic designer, or someone familiar with Mac design programs. Please contact us if you are able to lend a hand to this important chapter fundraising event.

Kristin Jakob—kristinjacob@att.net 415-388-1844

Charlotte Torgovitsky—torgovitsky@comcast.net
415-892-9148

New Volunteer Opportunity for CNPS Marin & Audubon Center!

FIRST THURSDAYS BY THE BAY

March 6 & April 3, 10 a.m.–2 p.m.

Location: Richardson Bay Audubon Center and Sanctuary, 376 Greenwood Beach Rd, Tiburon.

Please bring your picnic lunch, gloves, and favorite gardening tools for an informal grooming and weeding work party! We will identify and conduct important seasonal tasks in the native plant display gardens around the Sanctuary entrance, offices, picturesque Lyford House, and Rosie's Cottage. We will meet rain or shine in this beautiful setting; RSVPs appreciated but not required. For more information contact Ann Adams 415-456-9398 ann.adams1668@gmail.com; Renee Fittinghoff 415-388-6850 reneef94941@gmail.com; or Kristin Jakob 415-388-1844 kristinjacob@att.net.



GROWING NATIVES!

One of the things I love about propagating plants is the challenge of getting "difficult" plants to grow. With some species it's just a question of waiting long enough for the germination process to start; other times various techniques are employed to jump-start the process. Not infrequently, it's a combination of both; I try to keep accurate notes on what worked, what didn't, and a record of the time involved.

At the nursery, we just potted up the tiniest of bulbs; each one less than an eighth of an inch in diameter, and with one little grass-like leaf attached. These were *Triteleia laxa*, which I started from seeds collected in my meadow in 2008. They will need to grow on for several more years before the bulbs become substantial enough to offer for sale.

We've started hound's tongue (*Cynoglossum grande*) from seed; it takes three months to germinate in the greenhouse, and several years after that to build up the tap root that sustains this beautiful perennial wildflower. We grow them in "cone-tainers," gradually potting up to bigger sizes, until we have a large, vigorous plant in a tree-pot. In the past I've grown hound's tongue on for five years before it's ready for sale.

We've also had success starting two "difficult" salvias from seed. I found a product called "smoke seed primer paper," and pre-soaked the seed in water with a piece of this paper. The paper is impregnated with smoke chemicals, which can stimulate germination of species that only sprout after there's been a fire; the toxins in the smoke help break down the protective seed coat. Germination occurred within a few weeks, and then two months later we potted tiny seedlings of *Salvia apiana* and *S. spathaceae* into two-inch pots. These small pots are set on a capillary mat, which helps ensure

consistent moisture to promote good root growth. These plants won't be ready to sell until the fall.

Come help us propagate! Each session is fun and educational. We work in the shade under a canopy, where the tree frogs also like to hang out, and where we have a good view all the bird life in the area. We're all volunteering our time, sharing good energy, our love of California natives, and tips and ideas for their culture in the garden. As an added bonus, volunteers helping with propagation often take home choice plants for their own garden!

Following is a schedule of work days and times:

Tuesdays, 1–3 p.m.: March 4 and 18

Thursdays, 11 a.m.–1 p.m.: March 13 and 27

Come to Green Point Nursery, 275 Olive Ave. at the corner of Atherton Ave. in Novato. No need to bring anything; we have gloves and tools on hand, all necessary supplies, and lots of grow-power! I'm looking forward to sharing in the abundance of plants propagated here at Green Point!

—Charlotte Torgovitsky

torgovitsky@comcast.net 415-892-9148



CALENDAR OF EVENTS

* **Monday 3/3, 7 p.m.**

Chapter Board Meeting at the MA&GC in Ross

* **Thursday 3/6, 10 a.m.–2 p.m.**

First Thursdays by the Bay, Audubon Center, Tiburon

* **Friday 3/7, 10 a.m.**

Chapter Field Trip: Carson Falls/Carson Ridge: Pine Mountain Fire Road to Oat Hill Road

* **Monday 3/10, 11 a.m.–3 p.m.**

Chapter Field Trip: Arctostaphylos of Mount Tamalpais

* **Monday 3/10, 7:30–9:30 p.m.**

Chapter Meeting: Jeff Bisbee on "Arctostaphylos: A Photographic Tour of California's Manzanita"

* **Saturday 3/15, 10:30 a.m.**

Chapter Field Trip: Rock Spring Calypso Orchid Hunt & More!

* **Thursday 3/20, 9:30 a.m.**

Third Thursday Weeders Workday at Pt. Reyes

* **Thursday 4/3, 10 a.m.–2 p.m.**

First Thursdays by the Bay, Audubon Center, Tiburon

* **Monday 4/7, 7 p.m.**

Chapter Board Meeting at the MA&GC in Ross

* **Saturday 4/12, 10 a.m.–3 p.m.**

Chapter Plant Sale at Green Point Nursery in Novato

* **Monday 4/14, 7:30–9:30 p.m.**

Chapter Meeting: John Kipping on "Ethnobotany of California"

* **Thursday 4/17, 9:30 a.m.**

Third Thursday Weeders Workday at Pt. Reyes

* **Saturday 4/26, 10 a.m.**

SOD Blitz at Dominican University, San Rafael

MEET A MEMBER

Nancy Hanson: How I Got Hooked on Weeding the Woods

I avoided taking botany in college because I was afraid that memorizing all those plant names and taking tests would destroy my joy in nature. Since then, I've managed to learn a great deal about our native plants simply by loving them and living with them. My mother, Barbara Prince (also a CNPS member) remains, at 96, an inspiration to me. She taught me so much about gardening, galls, and mushrooms, as well as the local wildflowers.

I'm originally from green, humid New England; when I was 13 my family moved to California. I graduated from Scripps College, and then moved into the Los Padres National Forest above Santa Barbara. There, in the mountains, at Flores Flats, the California landscape, which I had thought was just dry and dead, came alive. I discovered chaparral, whiptail lizards, Cooper's hawk nests, and the humming buzz of manzanitas in winter bloom. I never looked back, immersing myself in nature whenever possible.

A career in bookkeeping kept me indoors a lot, but now that I'm retired, I'm free to be outside as much as I want, traveling frequently to enjoy the birds and flora of other regions and countries. My husband Dean and I have helped the Woodacre Garden Club create a native plant and low-water habitat demonstration garden in a little park near our home in Woodacre. It was a fellow garden club and CNPS member, Ann Jones, who introduced me to Charlotte Torgovitsky, now CNPS president, about 10 years ago. I've volunteered with her for many years, at MA&GC and currently at the nursery, propagating plants for CNPS. I also donate my time to SPAWN (Salmon Protection And Watershed Network), growing riparian natives for restoration in the San Geronimo Valley at its native plant nursery.

One of my favorite trails in Marin wanders up Devil's Gulch to Stairstep Falls in Samuel P. Taylor State Park.



Nancy Hanson—Dean Hanson

Bill's Trail leads through a mixed broadleaf forest with a richly mixed understory of shrubs, flowering perennials, and ferns. About five years ago I noticed with dismay that more and more forget-me-nots were growing at the edges of this trail. After ripping out a few of these very invasive non-natives in annoyance, I realized it would be better to ask permission to weed. Thus began an ongoing partnership between the park, myself, CNPS members, and staff and volunteers from SPAWN. We started weeding in the spring of 2011 and continued working on this 1.2-mile trail for the next two years. During that time, I organized 18 work days; and with the help of 55 different volunteers, we stuffed 121 30-gallon trash bags full of forget-me-nots! Our work methods are methodical and thorough with the goal of preventing any future bloom or reseeding in areas we have cleared. We systematically revisit areas to remove seedlings.

We have noticed a gratifying resurgence of native plants after we remove the invasives. Walking the same trail, as spring advances and the years pass, has given us a deep devotion to this place, and a sense of renewal each time we enter the woods. We are thrilled when we spy the first flowers of beloved native species, and later, lavish displays of slinkpods, milkmaids, hound's tongue, trillium, columbines, fringe cups, Douglas iris, and Calypso orchids.

In the middle of 2013, Head Ranger Rosemary Blackburn was able to hire a full staff again, so with their help we began to design a bigger Park-sponsored program to supplement my efforts. We were able to expand the trails available for weeding into the main park area, as well as adding to the weeding list (up to nine invasive species so far), and set up an ongoing schedule of restoration days starting in January 2014.

We are thrilled to have completed our first restoration planting. With the help of SPAWN staff and volunteers, 16 of us planted 37 native plants at the mouth of Unicorn Canyon; plants were grown from local seeds or cuttings and donated by the SPAWN nursery. Already this year, 17 different volunteers have pulled 23 bags of weeds from this area of the park. Our goal is an invasive-free park.

Please come and bring your friends, neighbors, and families to join in this great project. The Zen of Weeding volunteers meet on the second Friday and second Sunday of every month from 1 to 3 p.m. Bring gloves and get a free parking pass when you volunteer. We meet just before 1 p.m. at the far end of the picnic area (Camp Taylor Entrance). Watch the CNPS website for other special events. We guarantee you will have fun and get hooked on weeding the woods.

You can contact me at nandean@comcast.net or call the park directly at 415-488-9897.

SIGN UP FOR E-BULLETINS TO KEEP UP WITH CNPS MARIN NEWS!

Periodic e-bulletins are sent out to members and others who wish to be reminded of upcoming events and activities or notified of schedule changes. To sign up, please write to Jim Desser at jdesser@gmail.com.



HELP NEEDED FOR BOOK SALES, STORAGE, AND TRANSPORT!

Doyleen McMurtry has retired from book sales, a position she has graciously held for a number of years. The chapter urgently needs one or more volunteers to sell books at our membership meetings and plant sales, if these sales are to continue. Also welcome would be a volunteer to store the inventory, and to bring a selection to and from our meetings and events. This could easily be a shared position, with storage and transport

handled by a different volunteer from the salesperson. Please contact Kristin Jakob at 415-388-1844 or kristin-jakob@att.net if you have questions or think you might be able to help.



GIFTS FROM CHAPTER MEMBERS—MANY THANKS!

Two members have recently made generous donations to the Marin Chapter:

- Janice Barry, a past board member, contributed \$500 towards Eva Buxton's restoration program on Tiburon's Middle Ridge Open Space, where the chapter hires Carissa Brands to perform skilled weeding to protect the Tiburon (black) jewelflower and other rare species.
- Diane Zuendt contributed \$300 towards the chapter's plant sales.

Thank you, Janice and Diane!

MARIN CNPS CONTACTS

Position	Name
President; Membership Committee Chair; Program Committee Co-Chair; Plant Sale Committee Co-Chair	Charlotte Torgovitsky
Co-Vice President; Plant Sale Committee Co-Chair; Program Committee Co-Chair	Kristin Jakob
Co-Vice President; Chapter Council Delegate	David Long
Treasurer	Amelia Ryan
Secretary	Sam Abercrombie
Board Member; Education Committee Chair	Paul da Silva
Board Member, Field Trip Committee Chair/Coordinator	Sam Gilbert
Board Member; Legislation	Phyllis Faber
Board Member	Carolyn Longstreth
Board Member; <i>Marin Flora</i> Project	Wilma Follette
Conservation and Invasives Committee Chair (Conservation)	Eva Buxton
Gardening with Natives Committee Chair	Renee Fittinghoff
ID What You See Website Committee Chair	Bruce Homer-Smith
Rare Plant Committee Chair	Doreen Smith
Website	Mary Stevens
Publicity Committee Chair	Alison Blume
Historian	Vivian Mazur
Newsletter Editor	Krista Fechner
Newsletter Mailing	Paul Kryloff
Poster Sales	Gerd Jakob

Board contact information has been removed from the online version of this newsletter.

Open Positions: Book Sales, Conservation and Invasives Committee Co-Chair (Invasives)

CNPS MEMBERSHIP/DONATIONS

The mission of the California Native Plant Society is to conserve California native plants and their natural habitats, and increase understanding, appreciation, and horticultural use of native plants. Membership is open to everyone.

Join CNPS Now!

Membership benefits include informative publications, field trips, monthly programs, and discounts on books and posters. Also included are *Fremontia* (a journal with articles on all aspects of native plants published three times/year), the *Bulletin* (a quarterly statewide report of activities and schedules), and the chapter newsletter. Please call the membership chairperson, Charlotte Torgovitsky, for more information.

Join or Renew Online

Renew your CNPS membership online using a credit card. As an option, set it to renew automatically year after year. It's quick, easy, convenient, and reduces renewal mailing costs.

Visit www.cnps.org and click **Join/Renew**.

Join or Renew by Mail

Yes! I wish to affiliate with the Marin chapter.

New Member Renewal

Membership Category:

- Mariposa Lily \$1,500
- Benefactor \$600
- Patron \$300
- Plant Lover \$100
- Family, Group, or Library \$75
- Individual \$45
- Student or Limited Income \$25

Name _____

Address _____

Telephone _____

Email _____

Please mail application and check payable to **CNPS** to:

California Native Plant Society
2707 K St., Suite 1
Sacramento, CA 95816-5113

The IRS considers dues in excess of \$12.00 per year and all gifts to CNPS Tax Deductible.

Newsletter Only

If you wish to receive only the newsletter, please make a \$10 check payable to **CNPS Marin** and mail to: Amelia Ryan, P.O. Box 162, Inverness, CA 94937.

Newsletter Subscription only \$10

Tax-Deductible Contributions

Tax-deductible contributions to the Marin chapter are always welcome, either as memorial or honorarium donations or regular contributions. You may designate your contribution for a specific purpose of your choice. Unless otherwise designated, all contributions will be placed in the general fund, which will enable the chapter to extend our efforts to plant conservation and education. Our regular, ongoing program and operating expenses are largely covered by our plant sales and book and poster sales.

A contribution of \$_____ is made in honor of:

Contribution designated for:

From:

Name _____

Address _____

Telephone _____

Email _____

Please send acknowledgement to:

Name _____

Address _____

Telephone _____

Email _____

Mail check payable to **CNPS** to: Amelia Ryan, P.O. Box 162, Inverness, CA 94937.

CNPS Contact Information

Phone 916-447-2677 (state)

Fax 916-447-2727 (state)

Email cnps@cnps.org (state)

Web www.marinnativeplants.org (Marin chapter)

www.cnps.org (state) The state CNPS site is a resource for a wealth of materials, including promotional materials such as banners and posters.

Facebook www.facebook.com/groups/MarinNativePlants

CALIFORNIA NATIVE PLANT SOCIETY
MARIN CHAPTER
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Mill Valley, CA 94942-1408

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Visit us at www.marinnativeplants.org!

GET YOUR COPY OF THE REVISED *MARIN FLORA!*

The 2007 revised edition of John Thomas Howell's classic *Marin Flora* (originally published in 1949) is available at chapter meetings and at the chapter website (www.marinnativeplants.org).

Prices:	Hard cover	Soft cover
Retail	\$45 (plus \$3.49 tax)	\$35 (plus \$2.71 tax)
CNPS members (20% off)	\$36 (plus \$2.79 tax)	\$28 (plus \$2.17 tax)



NEWSLETTER AVAILABLE ONLINE!

You can find a color PDF edition of this newsletter on the Marin chapter website by visiting www.marinnativeplants.org/newsletters.html.



Scan the image at left with your smartphone or tablet for immediate access to the Marin CNPS website!

PLANT COMMUNITIES OF MARIN COUNTY

Do you want to learn more about the diverse plant communities of this special county?

Plant Communities of Marin County, written by David Shuford and Irene C. Timossi and illustrated with exquisite black and white photographs of the communities and their member species, is an excellent resource. Send your check payable to **CNPS** for \$11 per copy (shipping, handling, and tax included) to:

Phyllis Faber
765 Miller Ave.
Mill Valley, CA 94941

Enclosed is \$_____. Please send me _____ copies of *Plant Communities of Marin County*.

Name _____

Address _____

Telephone _____