



California Native Plant Society

MARIN CHAPTER NEWSLETTER

Tiburon Mariposa Lily (Calochortus tiburonensis)

Marin chapter established 1973

Monday, March 9, Marin Chapter Meeting

A 27-Year Wildflower Journey

Beauty and the Beast: California Wildflowers and Climate Change



Nita Winter and Rob Badger take you behind the scenes of their 27-year journey photographing wildflowers throughout California.

It began in 1992, when they discovered and fell in love with California's spectacular wildflower blooms in the Mojave Desert's Antelope Valley California Poppy Preserve. Photographing these beautiful landscapes and individual flowers evolved into their documentary art project, *Beauty and the Beast: California Wildflowers and Climate Change*.

Their new beautiful book, co-published with CNPS, focuses on California's amazing plant diversity and is a companion to their traveling exhibit.

Gorgeous superbloom scenery is not the only thing that makes the *Beauty and the Beast* wildflower photos so special; Rob and Nita developed unique field techniques to capture one-of-a-kind images. They create every one of the photographs in the field, lugging 80 pounds of cameras and their "natural light" studio equipment from below sea level in Death Valley National Park, to 13,000-foot-high mountain passes.



Chapter meetings continues on page 2



Nita Winter and Rob Badger

Internationally acclaimed conservation photographers Nita Winter and Rob Badger have been life partners and creative collaborators for more than three decades. Their work has been featured in *Time*, *Mother Jones*, *Sierra*, *Flora magazine*, the *New York Times*, *Washington Post*, *San Francisco Chronicle*, and the *Los Angeles Times*.

Their book will be available for purchase and signing at the meeting!

Monday, April 13, Marin Chapter Meeting

The Genus *Ceanothus*

At April’s meeting, Jeff Bisbee will discuss the genus *Ceanothus*—more details to come!

March and April Meetings:

5:30 p.m. Join friends for a no-host dinner at The Cantina, at 651 East Blithedale Avenue at Camino Alto. Please call Kristin Jakob at 650.608.1274 at least one day ahead to be assured of a seat with our group.

7 p.m. Meet at the The Redwoods Retirement Community, at 40 Camino Alto, Mill Valley. Books, posters, and cards will be for sale before and after the meeting. **Presentations start at 7:30 p.m.**

REMEMBERING GERD JAKOB

February 21, 1929–January 16, 2020

CNPS Marin Poster Sales Chair 1983–2019

Gerd Jakob passed away peacefully at home in January, of COPD. The Marin Chapter will greatly miss one of its most beloved, longtime volunteers. Always cheerful and outgoing, Gerd was a welcome presence at almost every membership meeting until her health began to decline in 2019. And, until a few years ago, she also sold posters at chapter plant sales and many other events, as well as to parks and retail outlets.



Discovering CNPS through her daughter, Kristin Jakob, who had developed a strong interest in California native plants in her early teens, Gerd and the family joined the society in the 1970s.

Memorial Celebration—all are welcome!

Wednesday, March 11, 1 p.m.–4 p.m.

San Francisco Yacht Club in Belvedere.
98 Beach Rd, Belvedere Tiburon, CA 94920

CNPS Marin will be looking for a new Poster Sales volunteer. If interested, contact Kristin Jakob, at 650.608.1274 or kristinjakob@att.net.



CNPS QUARTERLY GATHERING

Friday–Sunday, March 13–15

Hosted by Marin Chapter, including:

Field Trips

Friday, March 13 and Sunday, March 15

Marin Chapter is hosting the CNPS Quarterly Chapter Council Meeting at Richardson Bay Audubon Center and Sanctuary in Tiburon on March 13 to 15. Hosting the meeting at this wonderful location is both an opportunity and an effort.

At the various weekend events, our members have the opportunity to hear and discuss botanical, conservation, and horticultural topics along with the attending delegates from CNPS chapters throughout the state.

We can join them on field trips to some of our favorite botanical areas. Try to fit at least one of these fun events into your weekend.

To attend events on Friday and Saturday involving meals or refreshments, please register at <https://sites.google.com/site/cnpschaptercouncilmarch2020/register1>

Schedule Outline

Full schedule on the CNPS website: <https://sites.google.com/site/cnpschaptercouncilmarch2020/full-schedule>

Friday, March 13

2–6 p.m. Board of Directors Meeting at Lyford House
3–4:30 p.m. Field Trip to Old St. Hilary's Open Space Preserve
6–9 p.m. Dinner Meet-Up at Tiburon Tavern (Tiburon Lodge)

Saturday, March 14

8 a.m. Light Breakfast Mixer
8:30 a.m.–5 p.m. Chapter Council Meeting
5:45 p.m. Evening Social at Lyford House
6:45 p.m. Taco Bar Dinner (Pre-register \$25)
7:30 p.m. Presentation by Terry Gosliner on "Mt. Tamalpais—Marin's Iconic Treasure."

Sunday, March 15

9:30 a.m.–1 p.m. Mt. Tamalpais Calypso Orchid Hunt, and more!

Help out!

For the effort part, the Marin Chapter Board and a small committee have been planning the venue, lodging, and catering arrangements.

Additional help from Marin Chapter members is greatly needed and would be most appreciated!

You can help with the following:

1. Set up the Saturday breakfast buffet starting at 7:30 a.m.
 2. Greet and sign-in delegates at the meeting Saturday at 8 a.m. Collect money for meals.
 3. Set up, staff, and cleanup Saturday evening's social at 5 to 7 p.m.
 4. Set up the meeting room for Saturday dinner at 5:45 to 6:45 p.m.
 5. Clean up the dinner buffet at 7:30 p.m.
1. Get acquainted with a Chapter Council delegate by hosting them in your home Friday and Saturday nights

Please contact Ann Elliott if you can help with one or more aspects of this effort, at 530.521.4402 or annonfire@gmail.com.



COLLEGE OF MARIN LANDSCAPING PLANNING PROCESS

The College of Marin is beginning a planning process for landscaping at both Kentfield and Indian Valley campuses.

A landscape committee will start meeting in March. Four larger public meetings, two on each campus, will also be held.

Tentative schedules for the first round are April 29 at Kentfield and April 30 at Indian Valley. We encourage all environmentalists, especially those concerned about native plants, to participate in this process; it may set significant examples for decades to come for all of Marin.

Contact Paul da Silva for further information, at pdasilva@marin.edu or pgsilva@sonic.net.



GARDENING IN HARMONY WITH NATURE

by Charlotte Torgovitsky



Lepechinia fragrans flower—Meiko Watkins

I manage a large landscape at home, and my goal is to make it so full of native species that I don't have to be concerned about each plant individually. To that end, I usually only plant during the rainy season, which, this year, is not as we expected it to be. In December, I measured about ten inches of rain, and then just barely an inch in all of January.

February has been unseasonably warm with no rain at all, raising the question: *to plant or not to plant?* Or, maybe, plant the tried and true! Hopefully, we'll get some more rain, or perhaps even another "Miracle March?"

One plant I love, which is relatively easy to establish, and very drought-tolerant, is *Lepechinia fragrans*, the pitcher sage, a native of the Channel Islands.

Pitcher sages are in the mint family, but they are different than the typical salvias, which are so often also called "sages." The leaves are triangular, highly wrinkled, and very fragrant. Flowers are nodding from one side of the stem only, with inflated pitcher-shaped sepals in fruit. The shrub is of medium size, about four feet by four feet, and responds nicely to pruning and shaping. They will lose leaves in the height of the dry season but become lush again as soon as the rains start.

Lepechinia fragrans has lovely light lilac flowers, pale green leaves, and a most delicious scent. I like to grow it beside pathways and close to seating areas. It does

well in part sun, or the filtered light under the canopy of oak trees. In a shady area, this shrub can light up the spot, and it combines nicely with *Carpenteria californica* (bush anemone) and *Heuchera species* (alumroots).

In more sunny places, I plant *Frangula californica* (California coffeeberry), and *Lepechinia fragrans* side-by-side with *Iris douglasiana* (Douglas iris) at the base. The dark leaves of *Frangula californica* contrast nicely with the pale leaves of the *Lepechinia fragrans*, and the lilac flowers highlight beautifully with the variously-colored flowers of the many Pacific Coast iris hybrids.



Lepechinia calycina—Meiko Watkins

I also grow *Lepechinia calycina*, the local native pitcher sage. For some reason, however, it is much harder to establish in garden situations, and to me, it's not nearly as beautiful as the Channel Island species. The flowers are usually white, the shrub is much smaller, with brittle stems that can break in heavy wind or from disturbances caused by animals. I see this shrub on the King Mt. trail out of Larkspur and in a few spots along the Hoo-Koo-E-Koo trail.

Lepechinia hastata, another pitcher sage or false salvia, is thought to be native to Baja in California, or possibly Mexico. It is an excellent plant for a habitat garden! This *Lepechinia* is an herbaceous perennial which blooms from late September through November and sometimes right to the end of the year. The plant becomes dramatic when in bloom with flowering stalks about four to five feet tall, and flowers that are a

Gardening in Harmony continues on page 5

beautiful magenta color. The hummingbirds love the flowers, and many other pollinators also visit them. After the blooming season, I cut all the spent flower stalks to the ground to allow for next year's growth. This *Lepechinia* is a plant that will seed itself around.



Lepechinia hastata, Salvia mellisadora, and Chilopsis linearis—Charlotte Torgovitsky

In addition, deer don't bother any of the *Lepechinias*—they are too aromatic!

For much more about deer-proof plants and habitat gardening, please visit my website:

www.homegroundhabitats.org.



CNPS MARIN CHAPTER SCHOLARSHIPS 2020

CNPS Marin is excited to announce the 2019 Howard-Kohn Scholarship Competition. We invite all qualified students researching California native plants during the 2020-21 academic year to apply.

Scholarship Amount: \$3000

Application Deadline: Sunday, April 1, 2020

To apply and find out more, go to our website:

<https://www.cnpsmarin.org/experiencing-natives/scholarships>



Save Native Plant Habitat at Point Reyes with ...

THE "THIRD THURSDAY WEEDERS"

Thursday, March 19, 9:30 a.m.

Spend a companionable day at beautiful Point Reyes, and help protect critical plant habitat!

Removal of invasive plants makes way for the resurgence of native vegetation, including many uncommon and rare species. Over the past nine years, we have reduced infestations of iceplant, veldt grass, European beachgrass, perennial pepperweed, cape ivy, and Napa star-thistle.

Lately, we've concentrated our efforts on the lighthouse area and a dune restoration project near Abbott's Lagoon. We always have a good time, and it's highly rewarding to see the native plants making a comeback in these areas!



Carpobrotus edulis (iceplant) creeping up on Pt Reyes' *Blennosperma*—Longstreth

Sign up and receive notification of the meeting point by contacting Carolyn Longstreth at, 415.669.7514 or cklongstreth@gmail.com.

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—we hope to see you there!



PLANT OF THE MONTH

Scoliopus bigelovii

by Doreen Smith



Scoliopus bigelovii—Vernon Smith

March's plant of the month is the very early species, *Scoliopus bigelovii*. It has several common names: slink-pods, fetid adder's tongue, and brownies.

The original report and herbarium collection of this plant were in 1854 from Mt. Tamalpais, but it has since grown in many places in the coast redwood forests from Humboldt County south to Santa Cruz County. See it now before it goes dormant and disappears for the rest of the year.



Scoliopus bigelovii—Vernon Smith

A good place for a hike to see many of the plants is around the redwood- shaded side of Lake Lagunitas, MMWD Sky Oaks, Fairfax.

The flowers are attractive little lilies with three brown-striped sepals, three dark brown linear petals, three stamens, and three stigmas on the ovary. Unfortunately, the perfume is repellent to most people. It is attractive to the pollinators, however. The leaves that enfold the flowering stem's base are large, green, and fleshy with dark spots.



CALENDAR OF EVENTS

- ✿ **Sunday 3/8, 10 a.m.**
Chapter Field Trip: Lower Steep Ravine and Rocky Point with Terry Gosliner
- ✿ **Friday 3/13, 1–3 p.m. (also 3/13)**
Zen of Weeding; Habitat Restoration at Samuel P. Taylor Park with Nancy Hanson
- ✿ **Monday 3/9, 7 p.m.–9 p.m.**
March Marin Chapter Meeting, "A 27-Year Wildflower Journey," with Nita Winter and Rob Badger
- ✿ **Wednesday 3/11, 1 p.m.–4 p.m.**
Memorial Celebration for Gerd Jakob, at the San Francisco Yacht Club in Belvedere, 98 Beach Road, Belvedere Tiburon
- ✿ **Thursday, 3/12, 10 a.m.–12 p.m.**
Chapter Field Trip: Focus on Chocolate Lily—Homestead Valley, at 4-Corners, with Marabeth Grahame
- ✿ **Friday–Sunday, 3/13–15**
CNPS Quarterly Gathering, hosted by the Marin Chapter, at Richardson Bay Audubon Center and Sanctuary, in Tiburon
- ✿ **Friday, 3/13, 2 p.m.–6 p.m.**
CNPS Board of Directors Meeting, at Lyford House
- ✿ **Friday, 3/13, 3 p.m.–4.30 p.m.**
Chapter Council Weekend Field Trip: Walk & Talk—Old St, Hilary's Open Space Preserve, with Eva Buxton
- ✿ **Saturday, 3/14, 8.30 a.m.–5 p.m.**
Chapter Council Meeting
- ✿ **Sunday, 3/15, 9.30 a.m.–1 p.m.**
Chapter Council Weekend Field Trip: Mt. Tamalpais—Calypso Orchid Hunt, and more, with Kristin Jakob and David Greenberger
- ✿ **Thursday 3/19, 9.30 a.m. (also 4/16)**
The "Third Thursday Weeders" at Point Reyes, with Carolyn Longstreth
- ✿ **Wednesday, 4/1**
CNPS Marin Chapter Scholarship Deadline
- ✿ **Monday 4/13, 7 p.m.–9 p.m.**
April Marin Chapter Meeting, "The Genus *Ceanothus*," with Jeff Bisbee
- ✿ **Saturday 4/18, 9 a.m.–1 p.m.**
Spring Native Plant Sale at Falkirk Cultural Center Grounds, San Rafael



WARRIOR'S PLUME

by Bruce Homer-Smith

Pedicularis densiflora (warrior's plume, and formerly indian warrior) is easy to pick out, with its bright red flower clusters like paintbrushes and fern-like leaves.



Pedicularis densiflora in full bloom—Keir Morse

The significant flower clusters look confusing from a distance, but close up; you can see an elegant design for attracting hummingbirds and other pollinators.

The saw-toothed bracts of *Pedicularis* create an impressive display to attract nectar-loving pollinators on the lookout for red.



Pedicularis densiflora beneath the trees—Barry Breckling



Pedicularis densiflora up close—Keir Morse

The image above shows the flowers':

1. Two fused upper petals that form a long tube, red on the outside and yellow inside, and containing the pistil and stamens. At the base of the tube is nectar. The pollinator collects and deposits pollen on its way to the nectar.
2. Three white-tipped, fused, lower petals that create a small lip on which pollinators land.

By flowering early, *Pedicularis densiflora* can photosynthesize and offer its flowers to pollinators in full sun. Once the trees have grown their leaves—during the hot summer months—the plant is ready for their protection.

Pedicularis densiflora is a parasite when it can be, digging its roots into the roots of overhanging manzanita, madrone, and oak trees. However, it can also live on its own, photosynthesizing food from its green leaves.

To learn more about *Pedicularis densiflora*, and identify other plants of California around the world, check out Bruce's PlantID website:

<http://PlantID.net/?TaxonRpt=Pedicularis+densiflora>



MARIN CNPS FIELD TRIPS

SPRING 2020

There is no better way to learn your wildflowers and other native plants than to join chapter members and others in the field! All hikes are free and open to the public, so please invite your friends. Beginning plant enthusiasts are particularly welcome on all walks. Dress in layers, wear non-slip footwear, and come prepared for cold, fog, rain, and wind, just in case. Bring water, lunch, and snacks as well as binoculars, hand lenses, and your favorite field guides. Contact hike leaders with any questions about individual hikes. Full plant lists for many locations are available to download at the Marin Chapter CNPS website:

www.cnpsmarin.org/plant-science/plant-lists/item/6-marin-county-plant-lists

And, for event listings:

www.cnpsmarin.org/events/events-calendar

Lower Steep Ravine and Rocky Point

Sunday, March 8, 10 a.m.

Lower Steep Ravine trail and the Rocky Point Road down to the Steep Ravine cabins can be quite incredible in early March.

To the east of Route 1 are a botanically-rich riparian habitat that is the home to *Trillium chloropetalum* (sessile-flowered wake-robin), both species of *Maianthemum* (solomon seal), *Fritillaria affinis* (mission bells) and *Disporum smithii* (smith's fairy bells).

We will then cross Route 1 and explore the "soft chaparral" as we look for a picnic site overlooking the ocean, passing such colorful gems as Lasthen gems as *Lasthenia californica* (goldfields), *Layia platyglossa* (tidytips), *Castilleja subinclusa* ssp. *Franciscan* (Franciscan Indian paintbrush), and, if we're fortunate, we'll get to smell the heavenly scent of the, rare for Marin, yellow *Erysimum franciscanum* (wallflower).

Meet at the lower trailhead to Steep Ravine, located on Highway 1, a mile or so south of Stinson Beach. If you're unfamiliar with the area, look for the large and visible gate that is the entrance to the Steep Ravine Cabins, and park at one of the small parking areas or pullouts nearby.

The hike will start across the street from the gate.

Leader: Terry Gosliner, 415.379.5269

tgosliner@calacademy.org

Focus on Chocolate Lily: Homestead Valley

Thursday, March 12, 10 a.m.–12 p.m.

Join Marabeth Grahame for a foray around Homestead Valley for early spring wildflowers, especially the chocolate lily! Starting at 4-Corners, Marabeth will lead the group down into Homestead Valley through coastal prairie and chaparral.

Our destination is the meadow below Amaranth, where the listed *Fritillaria lanceolata* var. *tristulis* (Marin checker lily) blooms each spring. *Calochortus umbellatus* (Oakland star tulip), *Berberis pinnata* (barberry), and *Toxicoscordion fremontii* (Fremont's deathcamas) are also in these meadows.



Fritillaria affinis var. *tristulis*—Marabeth Grahame

On the return, we will traverse forest habitat where *Prosartes hookeri*, *Maianthemum stellatum* (star-flowered lily-of-the-valley), and, our plant of the month, *Scoliopus bigelovii* (fetid adder's tongue) grow. This loop is 1.3 miles with a 600-foot descent and climb. Trails are narrow and rutted in some places.

Field trips continues on page 9

We will meet at the intersection of Panoramic Hwy & Sequoia Valley Road in Mill Valley—aka 4-Corners—where there is plenty of parking.

Heavy rain cancels.

Leader: Marabeth Grahame
marabethg@gmail.com

Chapter Council Weekend Field Trips!

Join CNPS Delegates from all around California and share the beauty of Marin's wildlands! These two outings are offered to the Delegates who will be gathering at the Richardson Bay Audubon Center on March 14th. All are welcome!

Walk & Talk—Old St. Hilary's Open Space Preserve

Friday, March 13, 3–4:30 p.m.

Old St Hilary's preserve is predominantly a serpentine grassland, but it is intermixed with areas of sandstone grassland. We will walk on a fire road through the latter type grassland, on the highest portion of the preserve that offers spectacular views of the San Francisco Bay area. Marin County has experienced cold weather this season, but we hope to see a few native species in bloom such as *Sanicula arctopoides* (footsteps-of-spring), *Taraxia ovata* (suncup), *Toxicoscordion fremontii* (Fremont's starlily), and *Sidalcea malvaeflora* (checker-bloom).

Directions to the trailhead: From the 101, take the Tiburon Boulevard exit. After crossing the freeway overpass, drive 3.3 miles on Tiburon Blvd. to Lyford Drive (the cross street at Reed School). Turn left onto Lyford and go uphill 0.7 mile taking the left fork of Sugarloaf. After a few hundred feet turn right onto Heathcliff. Proceed to the gate and park on right side of street. The group will meet at the gate and then walk about a half mile and then return to the gate. Jerry Riessen, President of the Tiburon Open Space Committee, will join us and explain the ongoing attempt to keep the tip of the peninsula from development.

Leader: Eva Buxton, 415.435.2745
evabuxton@sbcglobal.net

Mt. Tamalpais: Calypso Orchid Hunt, and More!

Sunday, March 15, 9:30–1 p.m.

After hearing Terry Gosliner's talk about Mt. Tam wildflowers after dinner on Saturday night, this outing will offer delegates and chapter members the opportunity to see the Mountain for themselves!

Chapter co-president Kristin Jakob and rare plant botanist David Greenberger will lead the group in a search for *Calypso bulbosa* (fairy slipper orchid), followed by a meander through the grasslands, wet meadows, mixed woodland and serpentine to be found at Rock Spring, Laurel Dell, and Potrero Meadow before returning to the parking area.

Meet at the Rock Spring parking lot on Mt. Tamalpais, located at the intersection of Ridgecrest and Pantoll Roads, approximately one mile uphill from the state park ranger station at Pantoll. Turn upward across the road from the ranger station. For those unfamiliar with the area, the ranger station is on Panoramic Hwy., which goes from Mill Valley to Stinson Beach. There is no charge to park at the Rock Spring paved lot.

Leaders: Kristin Jakob, 650.608.1274
kristinjakob@att.net
David Greenberger, 831.428.1806
dgreenberger@onetam.org



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, visit the CNPS Marin website at www.cnpsmarin.org and provide your email address in the "Sign up for our E-Bulletin" section of the home page.



ZEN OF WEEDING

Habitat Restoration at Samuel P. Taylor Park
Sunday, March 8, 1–3 p.m. (also 3/13)



Scoliopus biglovii (fetid adder's tongues)—Charles Russell

In the last two months, we focused mostly on rescuing a gorgeous patch of *Petasites frigidus* var. *palmatus* (western coltsfoot) from encroaching vinca while we enjoyed the early spring flowers on the trails. *Cardamine californica* (milkmaids) and—this issue's plant of the month (see age 6)—*Scoliopus biglovii* (fetid adder's tongues) are always the first.

By February, garlands of *Aristolochia californica* vines were draping fat "pipes" among the spike-needed branches of young nutmeg trees. The pipevine swallowtail butterflies won't be far behind, laying their golden eggs on the vine leaves.

Watching this lovely forest habitat respond to the seasons and our work, is one of the many pleasures of weeding the woods—will *Trilliums* be blooming in March?

Please meet Nancy just before 1 p.m. at the far end of the main picnic area near the bathroom; look for Nancy's red Honda Accord!

Bring gloves or borrow from the park supply. Wear work gear with long sleeves and pants. Layer up as it will be chilly under the big trees. We'll work in a light drizzle with rain gear, but not in heavy rain. Get a free parking pass at the entry kiosk when you volunteer.

Please email Nancy Hanson if you are coming so she knows whom to expect:

nphanson@comcast.net



THE WATERSHED APPROACH TO LANDSCAPING PROGRAM

Class Descriptions For Spring 2020 Series

The College of Marin's Community Education program is holding a series of classes based on the *Watershed Approach to Landscaping* philosophy.

The purpose is to engage the public in current thinking on conservation practices and assist home gardeners in the step-by-step process of creating their own beautiful, environmentally sensitive, water-wise landscapes.

The textbook for the series is the *Watershed Approach to Landscaping* booklet, published by the Marin Municipal Water District.

All classes take place on Saturday mornings at a College of Marin campus, from 10.10 a.m. to 12.30 p.m., and with a fee of \$64.

For more information, contact Marin Community Education on 415.485.9305. Download the booklet from the MMWD website:

<http://marinwater.org/484/Watershed-Wise-Landscapes>

Design Inspiration—Gardening with a Sense of Place **Charlotte Torgovitsky**

Learn about the environmental qualities that make Marin such a special place—the watersheds in which we live and garden, our varied microclimates, our native plant communities, and the wildlife they support. We will look at plant specimens and plant types, focusing on the unique attributes that allow them to survive in our Mediterranean climate. With this knowledge, you will be able to create a garden that truly reflects a sense of place within your own watershed.

April 4, Indian Valley Campus.

Designing Your Home Landscape

Teliha Draheim

Whether you envision your garden to be for entertaining, quiet relaxation or family fun, sustainable landscape design is a collaboration between the needs of the designer and the needs of the earth. Learn the basics of successful landscape design and how to create a site plan for your home garden that both reflects your vision and supports our environment.

April 11, Kentfield Campus.

Watershed classes continues on page 11

Design Your Garden as a Mini-Ecosystem

Teliha Draheim

Identify and plan for the environmental factors influencing your garden design decisions. Explore climate zones, hydrozones, microclimates, and shade/sun patterns. Learn the basics of mapping your yard as a sustainable mini-watershed system, designed for rainwater capture and dispersement.

April 18, Kentfield Campus

Building Healthy Soil in Your Garden

Charlotte Torgovitsky

Healthy soil is a living ecosystem that supports all other life on earth. Learn about soil types common in Marin and how to improve them with easy methods mimicking natural processes. You'll also learn about different styles of home composting, the basic science behind decomposition, and how to best maintain a healthy, vigorous garden using only organic, sustainable practices.

April 25, Indian Valley Campus

Irrigating Efficiently: How Much Water Does Your Garden Need?

Marin Municipal Water District

A plant's type, location in the landscape, and the local climate all play a significant role in determining its irrigation needs. Learn to determine how much water your plants need and when they need it. Learn the necessary components of an irrigation system, which types are best for your garden, and how to set an appropriate irrigation schedule.

May 9, Kentfield Campus

Developing a Planting Plan for Your Garden

Charlotte Torgovitsky and Teliha Draheim

Choosing the right plant for the right place is key to a successful garden. In this class, you will learn about pollinator and butterfly gardens, gardening with deer and wildlife, fire-resistant plants, and which plant combinations to emphasize when creating different types of gardens. You will also learn about what to include in a planting plan, useful graphics for drawing, and seasonal maintenance.

May 16, Kentfield Campus.

About the Instructors ...

Charlotte Torgovitsky is a naturalist who loves to garden. Over the years, she has created a thriving habitat, with enhanced resources for all wildlife on her Novato property. Charlotte was a consultant on the *Watershed Approach to Landscaping* booklet and has lectured throughout the Bay Area on habitat gardening, butterflies, beneficial insects, bird food hedges, native plant propagation, and home composting.

Teliha Draheim is a professional landscape designer, as well as an instructor of art and design at UC Davis and many other SF Bay Area institutions. Her company, Image West Gardens, brings a high level of creativity and imagination to the design process, offering sustainable design services employing the watershed approach to landscaping.

The Marin Municipal Water District has extensive experience troubleshooting irrigation systems and reviewing landscape plans for compliance with California's Model Water Efficient Landscape Ordinance.



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SAVE THE DATE!

Spring Native Plant Sale & Talk

Saturday, April 18th, 9 a.m.–1 p.m.

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"Essential Shrubs for Pollinators"

Talk by Charlotte Torgovitsky at 11 a.m.

When we think about providing for pollinators, big, bold, and beautiful flowers might come to mind. Our landscaping shrubs and trees are equally essential, however. Charlotte will talk about several native shrubs whose flowers may not be big and beautiful, but that are critical sources of nectar and pollen, particularly for native bees.

Falkirk Cultural Center Grounds
1408 Mission Ave, San Rafael



CNPS MEMBERSHIP

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.

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:

Note dues changes as of April 1, 2019!

- Benefactor \$2,500
- Patron \$1,000
- Supporter \$500
- Plant Lover \$120
- Library \$75
- Individual \$50
- Student/Fixed 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

Newsletter Only

If you wish to receive only the newsletter, please make a \$10 check payable to **CNPS Marin** and mail to: Marin CNPS, 58 Redwood Dr., Kentfield, CA 94904.

Newsletter Subscription only \$10

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

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: Katherine Wing,
58 Redwood Dr., Kentfield, CA 94904.

MARIN CNPS FACEBOOK GROUP



Our chapter's Facebook group (<https://www.facebook.com/groups/MarinNativePlants>) is a wonderful way to keep up with "what's blooming where," chapter events, and volunteer opportunities! You don't need to have a Facebook account to view the page, but you do need one if you'd like to post and comment.

GET YOUR MARIN CHAPTER CNPS NEWSLETTER ELECTRONICALLY

Help the Marin Chapter reduce unnecessary costs and use of paper for the chapter *Newsletter* by receiving the color version of the *Newsletter* by email instead of by snail mail. Write to deliveriesmarincnps@gmail.com with "Email Newsletter" in the subject line and your name and address in the body of the email. Many thanks!

MARIN CNPS CONTACTS

Board Members

Kristin Jakob, Co-Vice President
David Long, Co-Vice President
Katherine Wing, Treasurer
Charlotte Torgovitsky
Laura Lovett
Paul da Silva
Carolyn Longstreth
Rob Katz
Eddie Robertson

Committee Chairs

Chapter Council Delegate: David Long
Chapter Programs: Kristin Jakob
Education: Paul da Silva
Field Trips: Carolyn Longstreth and Susan Schlosser
Conservation; Invasive Species: Eva Buxton
Rare Plants: Doreen Smith and David Greenberger
Gardening with Natives: Charlotte Torgovitsky and Laura Lovett
Plant Sale Committee: Kristin Jakob and Charlotte Torgovitsky
School Gardens Program: Charlotte Torgovitsky
Nursery Outreach: Rob Katz
Communications: Laura Lovett
Membership: Eddie Robertson
Legislation: open
PlantID.net: Bruce Homer-Smith
Marin CNPS Website: Vernon Smith

Other Useful Contacts

Marin Flora mail orders: Vivian Mazur
Marin Flora wholesale sales: Bonnie Gosliner
Book Sales: Jane Medley
Poster Sales: Gerd Jakob
Newsletter Editor: Louise Chiodo
Newsletter Mailing: Paul Kryloff

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

WE'D LIKE TO HEAR FROM YOU!

If you would like to make a suggestion for a chapter meeting program, field trip, plant identification workshop, outreach program for schoolchildren, or anything else that could help us improve our service to the public, please contact us via our website: <https://www.cnpsmarin.org/contact>



SHOP & GIVE TO CNPS MARIN AT MILL VALLEY MARKET

Family-run Mill Valley Market gives 2% of your total receipt to CNPS Marin. No registration necessary, no membership card, no overhead; just mention the donation code #7048 at the beginning of the transaction to benefit native plants!



NEWSLETTER AVAILABLE ONLINE!

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



SHOP & SAVE AT GREEN JEANS GARDEN SUPPLY

Family-run Green Jeans Garden Supply in Mill Valley offers a 10% discount to card-carrying members of CNPS! The nursery is located at 690 Redwood Hwy, the east-side frontage road alongside Hwy 101, south of the Strawberry Shopping Center.

CALIFORNIA NATIVE PLANT SOCIETY
MARIN CHAPTER
58 Redwood Dr.
Kentfield, CA 94904-2559

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GET YOUR COPY OF THE REVISED *MARIN FLORA!* NOW ON SALE!

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.cnpsmarin.org). We are now offering both the hard cover and soft cover books at sale prices!!

Prices:	Hard cover	Soft cover
Retail	\$35 (plus \$2.89 tax)	\$25 (plus \$2.06 tax)
CNPS members (20% off)	\$28 (plus \$2.31 tax)	\$20 (plus \$1.65 tax)

CNPS Contact Information

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Web www.cnpsmarin.org (Marin chapter)
www.cnps.org (state) The state CNPS site offers a wealth of materials, including promotional materials such as banners and posters.

Facebook www.facebook.com/groups/MarinNativePlants
Meetup www.meetup.com/California-Native-Plant-Society-Marin-Chapter-Meetup