



CALIFORNIA NATIVE PLANT SOCIETY  
*San Diego Chapter Newsletter*

**CHAPTER MEETING**

**Casa del Prado Room 101  
Balboa Park  
April 16, 2019**

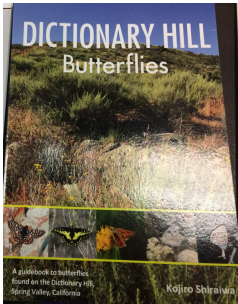
**Schedule**

- 6:30 pm – Natives for Novices
- 7:00 pm – Refreshments, browsing, & socializing.
- 7:30 pm - Announcements
- 7:45 pm – Main Presentation.

Chapter meetings are free and open to the public.

**Natives for Novices:  
Butterflies in SD County  
by Kojiro Shiraiwa**

Kojiro Shiraiwa will introduce his most recent book, *Butterflies of Dictionary Hill*, and will also discuss his earlier book, *Butterflies of San Diego County*. The books contain full color figures of butterflies for easy identification, as well as discussions of butterfly biology and ecology. These pictorial books are great for kids as well as the general public. Dictionary Hill supports coastal sage scrub and a wealth of native plants, birds, wildflowers, small animals, and hill-topping butterflies. In 2017 the County added 175 acres of Dictionary Hill to



the MSCP preserve.

<http://www.sdparks.org/content/sdparks/en/park-pages/dictionary-hill-county-preserve.html>

**Main Presentation:  
Wild Yards Project: The New  
Wilderness Begins at Home  
by David Newsom**

A collaboration of story-tellers and native plant professionals working together to inspire people not just in California but across the country to transform their yards into native-plant habitat. David Newsom is a lifetime naturalist, an amateur

native-plant gardener, and a 27-year veteran of film and television- the last 10 years of which has all been adventure-documentary. With the arrival of my two kids, however, I suddenly realized that they may never cultivate an intimacy with nature unless I brought nature to our yard. So, we did. Hence the WYP was born. WEBSITE:

<https://www.wildyardsproject.com/>



**CHAPTER MEETING**

**May 21, 2019**

Pls see <https://www.cnpsd.org/chapter-meetings> for info about the May Chapter Meeting.

**Garden Tour 2019:  
Inviting Nature Home: Native  
Gardens of Central SD County**

**Saturday & Sunday, April 13 & 14, 2019**

**10:00 am to 4:00 pm each day**

***Save yourself time! Tickets purchased on-line before April 6 will be mailed to your door, so you can start at any place on the tour.***

CNPS-San Diego presents its seventh annual Garden Tour, **Inviting Nature Home: Native Gardens of Central San Diego County**. Spend a day or two exploring and learning from these gardens that highlight plants that create habitat, dry streambed bioswales, adjacent natural areas, water

catchment devices, slope gardens, charming water features, bridges, sculptures and more. Be inspired this Spring!

**LOCATION:** Rancho Bernardo, Scripps Ranch, Poway, Rancho Peñasquitos, Clairemont.

#### GARDENS

- \* **Entry to 14 private residential gardens** staffed with interpretive docents, owners, and designers.
- \* **7 additional FYI (Front Yard Inspiration) gardens** on the route.
- \* **The Kumeyaay Ipai Interpretive Center at Pauwai:** 4 guided private tours of this native plant ethnobotany garden will be offered for an additional fee on Sunday only.
- \* **Instructional presentations and plantings** on Saturday and Sunday.

#### TICKETS

- \* Tickets are on sale now. Tour tickets are \$30 online, \$35 at door. Tickets give attendees admission on both days of the tour.
- \* All participants buying online before April 6 will have a tour booklet mailed to their address during the week preceding the Tour so that they can begin the tour at any garden location during Tour weekend.
- \* Guided tours of The Kumeyaay Ipai Interpretive Center at Pauwai are a separate \$10 admission.

For questions, please contact **Judie Lincer** at [tour@cnpsd.org](mailto:tour@cnpsd.org) or at 619-277-1490

For tickets and further information, please visit: [cnpssd.org/events](https://www.cnpssd.org/events)

<https://www.meetup.com/San-Diego-County-Native-Plant-Discoverers-Meetup/>

## Algodones Dunes Camping or Day Trip - Imperial County

Saturday, April 6, 9:00 am to  
Sunday, April 7, 4:00 pm

**DIFFICULTY:** EASY to MODERATE, < 4 miles

**PLANT KNOWLEDGE:** Beginner to any on Saturday; Professionals & CNPS/SD Botanical Society fellows on Sunday.

**ACCESS:** Open to all, no charge. **[ALL WEATHER EVENT]** For everyone who missed the Algodones Dunes trip last year, here is your chance to jump on a great repeat, with the extraordinary additions of **Steve Hartman** (CNPS Board President) and **Amy Patten** (CNPS Rare Plant Botanist). Early April will hopefully have a great bloom of Algodones Dunes sunflower (*Helianthus niveus* ssp. *tephrodes*), giant Spanish needle (*Palafoxia arida* var. *gigantea*), Pierson's milkvetch (*Astragalus magdalenae* var. *piersonii*), sand food (*Pholisma sonorae*), and fairyduster (*Calliandra eriophylla*) among other rare species and extreme desert endemic species.

For Saturday, we'll meet up at the ranger station for orientation and a quick look for the odd sand food, then head over to the Osbourne Overlook to check out the dune ecosystem there. We're looking for the plants that amazingly grow and thrive in rolling sand. Following this, we'll head over to the microphyll woodlands, where abundant water below the surface creates an open woodland of desert ironwood (*Olneya tesota*), palo verde (*Parkinsonia florida*), and mesquites (*Prosopis* spp.). We'll have lunch under the shade of these trees before exploring a little more around the area for anything of interest. Afterwards, anyone who wants to stay to camp or stay in lodging nearby will wish our friends safe travels.

That evening, we plan overnight dry camping in the desert, with some of the best stargazing in the whole state. In addition, there will be a new moon.

Sunday, we'll meet up at the ranger station once more to get anyone who is coming out for the CNPS rare plant survey. Right now, our intended target is the saguaro cactus (*Carnegiea gigantea*), 2B.2, as a landmark species but in addition, interesting listed species in the Hwy 78 / Ninemile Wash area like Argus blazing star (*Mentzelia puberula*), Chocolate Mtns coldenia (*Tiquilia canescens* var. *pulchella*), and sand evening primrose (*Chylismia arenaria*). We'll do iNaturalist and CalFlora observations and herbaria collections where possible. This portion of the trip is aimed at botanists specifically. We hope to finish by 4 pm to get back home before dark.

The desert can be dangerous if you are not prepared. Bring plenty of water (at least 2 gallons per person per day), sunscreen, and light fully covering clothes. Even in early April,

## BOARD MEETINGS

**Wednesday, April 3 & May 1, 6:30 – 9:00 p.m.** 4010 Morena Blvd, Suite 100, San Diego (Thomas Guide 1248 C4). CNPS-SD Executive Board meetings are always the first Wednesday of the month, except when the 1<sup>st</sup> Wednesday falls on a holiday. Members are welcome to attend as observers. To add an issue to the agenda, please email [president@cnpsd.org](mailto:president@cnpsd.org).

**The Chapter needs a Membership Chairperson and a Volunteer Coordinator now, and a Garden Tour Director for 2020. If you are interested, please contact the Chapter President, Justin Daniel, at [president@cnpsd.org](mailto:president@cnpsd.org).**

## FIELD TRIPS

For info on April/May field trips that aren't listed in this newsletter, please visit the San Diego County Native Plant Discoverers Meetup site at:

expect the temperature to be above 90°F (32°C). Also, if driving, make sure your vehicle can handle sand, meaning high clearance. 4x4 and all-wheel drive is preferred, but not necessary. Also, be aware that sand and fine dust is everywhere and will get into everything.

**DRY CAMPING:** No services or facilities will be available at the camping location. All the food, water, etc., you bring in will need to be packed out. Remember, dig the hole before! Lanterns &/or flashlights will be needed, along with good sleeping bags and tents as it gets very cold at night. The chance to encounter scorpions overnight is high, but this is offset by the possibility of seeing kangaroo rats bounce across the campsite!

**CARPOOL:** I will offer carpool in my truck to those who want to camp. Please PM (personal message) me ahead of time. Look for a black Toyota Tundra (three extra seats), leaving from Fashion Valley Mall Transit Center parking area nearest Fashion Valley Rd (west end of the mall) from 6:45 to 7:00 am. Of course, for anyone who will day trip on Saturday only, be prepared to drive and bring along other Meetup people. Parking at the Transit Center parking lot is free for 24 hrs and is occasionally patrolled by security. That being said, the same risks apply there as to regular street parking. Donations for gas are welcome, but not required (\$20 is suggested).

**LOCATION & DIRECTIONS:** SATURDAY & SUNDAY: Meet at 9 am at the Gecko Rd Imperial Sand Dunes Cahuilla Ranger Station. From San Diego, take I-8 East to El Centro, exit 111 N, then take SR-78 East to Dunes. ~150 miles. From Los Angeles, take I-10 E to Indio, then 86 S to 78 E to dunes. ~221 miles.

## Torrey Pines Extension & Crest Canyon, Del Mar

Saturday, April 20. 9:00 am to 3:30 pm.

**DIFFICULTY:** EASY to MODERATE 2-3 miles (or less)

**PLANT KNOWLEDGE:** Novice +, Professionals always welcome!

**ACCESS:** Open to all, no charge. **[RAIN CANCELS!]**

This trip is a yearly treat, and the trail won't change much but the plants and flowers and knowledge will be for the better! For 2019, we've had an extraordinary amount of rain and that means an extraordinary amount of bloom. We'll do a 3-part trip, with opportunities to head out after the Red Ridge trail, or continue on down the Margaret Fleming Trail to the canyon below with a completely different vegetation community and plant types. Instead of calling it a day, there's a third portion where we'll rejoin after lunch at Crest Canyon Park (just to the north). Crest Canyon has many similar environments and species but is not as covered. We'll be more focused on doing stronger documentation including iNaturalist and tagging species for possible collections. Our CNPS San Diego Rare Plant Botanist **Fred Roberts** will join us to help identify and document the rare plants in both areas.

**RED RIDGE TRAIL: 9 - 10:30 am:** From the parking area, the Red Ridge Trail heads out over a rocky expanse of mesa top that has many rare species such as Wart stemmed Ceanothus (*Ceanothus tomentosus*), the Del Mar Manzanita (*Arctostaphylos glandulosa* ssp. *crassifolia*), and the very imperiled and rare (in the wild) Torrey Pine (*Pinus torreyana* ssp. *torreyana*). Some of the common natives in bloom will be Ceveland sage (*Salvia clevelandii*), San Diego monkeyflower (*Diplacus puniceus*), scarlet larkspur (*Delphinium cardinale*), broomrose (*Heliathemum scoparium*), bush poppy (*Dendromecon rigida*), and bulbs/corms like blue dicks (*Dichelostemma capitatum*). The halfway point is the red ridge which looks out over Torrey Pines State Park and the Pacific beyond.

**MARGARET FLEMING TRAIL: 10:30 am - 12:30 pm:** Further down the canyon trail, there's other species than come in alongside us including the rare coast barrel cactus (*Ferocactus viridescens*) and ashy spike moss (*Selaginella cinerascens*). Down the canyon, bloomers change to species like wild cucumber (*Marah macrocarpa*), California bee plant (*Scrophularia californica*), SoCal milkvetch (*Astragalus trichopdos* var. *lonchus*), coast morning glory (*Calystegia macrostegia*), and many different "goldenbushes". Expect to see and hear many nesting birds like California gnatcatcher, mourning dove, warblers, quail, hummingbirds, wrens and cedar waxwings. I've seen San Diego horned lizard here too.

**CREST CANYON: 1:30 - 3:30 pm+:** After a quick lunch break, we'll meet again at the north trailhead on Durango Dr., just across Del Mar Hts Rd. (Where it turns to Lozana Rd). This portion of the trip will focus on finding rare plants in Crest Canyon and uploading them to iNaturalist. We'll be identifying morphological characters and the pace will be much slower as we employ a scientific method of transects off trail, and along the trail. In addition, we'll be looking for the extremely rare *Dudleya brevifolia*, which can often only be found in new areas when in bloom.

**Bring** any gear, lunch, snacks, and water suited to your plans for the day. There will be a few times during the day when we'll be close to the cars to head out.

**LOCATION:** Torrey Pines Reserve Extension, 13570 Mira Montana Drive, Del Mar, CA 92014. From I-5, exit Del Mar Heights Rd and head west towards the coast. Shortly up the hill, turn south (left) onto Mercado Dr. and then another left onto Cordero Dr. Follow to end and right onto Mira Montana Dr. Drive to parking area at end.

**CARPOOL:** Carpool will be available, especially for anyone using public transit. Arrive 8:20 - 8:30 am at the Fashion Valley Transit Center Parking Lot (west side parking area of the Fashion Valley Mall near Fashion Valley Rd). Look for a black Toyota Tundra. Spaces may fill up, so please be prepared to drive. Carpool participants will be part of all three trail trips and may not return until 4 pm. Parking is free for 24 hrs and has roving security at Fashion Valley Transit Center, however risks are the same as parking anywhere on the street. Message the group for alternatives.

~ Justin Daniel, President & Field Trip Chair

# CONSERVATION

## Conservation Committee

**April 2 & May 7.** The first Tuesday evening of each month. Contact **Frank Landis** at [conservation@cnpssd.org](mailto:conservation@cnpssd.org) for details.

## More Conservation Things to Do

I have a list of items that will be occupying my time this spring, and here I will simply go through them in order.

### Fire Recovery and Preparedness Guide

There have been three updates. One is that, as the state office is writing a statewide manual separate from my effort, it seems that some of our thoughts about how to update the original manual are converging, and this is probably a good thing. I'll be happy if they solve some of the issues I've encountered so that I can copy more than I create.

The second issue is that FEMA recently published an interesting report about all the ways it has failed to create a civilian culture of emergency preparedness in the U.S. (reported in:

<http://www.govtech.com/em/preparedness/Report-Weve-Failed-Miserably-at-Preparedness.html>). This is the same issue I commented on last month with my critique of the Ready Set Go booklet that San Diego County uses. Some of FEMA's recommendations are to realize that there's a lot of diversity in people's circumstances, that many of them actually already know something about preparing for emergencies, and that there's a need to listen to these people, rather than imposing a one-size-fits-all program from the top down. That's one reason I'm still working on a local fire recovery book, even if there's a statewide version. We need things that fit us. Feel free to pitch in if you've got some good homebrewed strategies for fire recovery or evacuation.

Speaking of which, I've received a lot of good pictures from the request last month (and thanks to a certain individual who persuaded a lot of folk to donate pictures. You know who you are!) Thank you to those who have already sent pictures to me!

That said, I'm still looking for pictures for specific topics. If you have any you want to share, please send them to [conservation@cnpssd.org](mailto:conservation@cnpssd.org). If you want to Dropbox or mail CDs, contact me and we'll work it out.

Pictures I still need:

- Fire resistant home features
- Fire resistant landscaping
- Roots stabilizing burned hillsides
- Erosion control structures, wattles, straw, etc.
- Time sequences of areas right after a fire, one year, two years, three years, or longer
- Pictures of leaves and acorns for our local oak species.

- Pictures illustrating the following vegetation types: grassland, coastal sage scrub, chaparral, oak woodland, montane conifer, woody riparian
- Wildlife tracks in ash
- Landscapes showing the differences in plant composition of areas that burned at different times
- Weeds invading a burned area
- Fire followers (individual plants blooming in a burned landscape, fire-follower species, landscapes of wildflowers with burned stumps poking up)
- Regrowth of woody plants following a fire
- Burned neighborhoods
- Pictures of wildfires, including embers falling, trees burning, and the like (pictures of burning palms, eucalypts, and nonnative pines are welcome).

### The Vegetation Treatment Program Swarm

This is a lot less pleasant than writing about fire. Last month, the Vegetation Treatment Program came back, as a Notice of Preparation for the fifth version since 2013. Every two years, like clockwork, a new version comes out. Since this is a statewide issue, Greg Suba (the conservation director) took the lead in writing a response, and I helped him, as did a number of other chapter conservation chairs, while other environmentalists and groups like the Chaparral Institute also submitted comments. That EIR may well come out to ruin my holidays this year, as it has every other Thanksgiving or Christmas for a while.

Unfortunately, it got worse. There's simultaneous action in the State Senate and at our County Supervisors. You probably don't know, but our state legislature runs on a two-year cycle; bills are proposed at the beginning of odd-numbered years, and if they don't make it into law a few months before election in the even numbered year, they're dead. Since our 50 assembly members can each introduce 40 bills, while our 40 state senators can each introduce 50 bills, there's potentially a \*lot\* of bills to go through each February. Fortunately CNPS hires a part time lobbyist to help us screen them. That's the background.

Here's one of the bigger problems that popped up: SB 632, introduced by Senators Cathleen Galgiani and Bill Dodd (both democrats). You can read it at <https://legiscan.com/CA/text/SB632/2019>, and its title is "California Environmental Quality Act: exemption: Vegetation Treatment Program." The key part of this 304-word bill is the following: "Section 21080.48 is added to the Public Resources Code, to read:21080.48. (a) This division [Of CEQA] does not apply to any activity or approval necessary for, or incidental to, actions that are consistent with the draft Program Environmental Impact Report for the Vegetation Treatment Program issued by the State Board of Forestry and Fire Protection in November of 2017."

You've read my complaints about the VTP for years, and this bill would not just make it law, it would totally exempt it from even reduced CEQA requirements. Considering the massive flaws in the VTP, I think it's safe to say that if this became law,



the Board of Forestry, through purely accidental loss of control on some small proportion of controlled burns, would become the biggest source of conflagrations in California. And that's just the start of the bad news.

CNPS is organizing a meeting with the bill's authors to explain how bad it is. In this case, it's important to organize a response, so that we make sure this doesn't pass into law. If you want to be part of that process, contact me at [conservation@cnpsd.org](mailto:conservation@cnpsd.org).

The third part of the fire trifecta is that on March 12, the County Supervisors had an agenda item on "Fire Safety Improvements" at their regular meeting. I don't know how this will have turned out, because I wrote this a day before the hearing, but a key part of the motion they are considering is to "pursue legislative changes to reduce or eliminate burdensome environmental regulations for controlled burns, and fire breaks to protect life and property." Sounds a lot like supporting SB 632, doesn't it? I'm planning on being at that meeting and speaking in favor of striking that particular clause from something that I otherwise largely agree with.

What's going on here? There's the general perception that 2018 was one of the worst fire years on record in California. One of the rules in politics is to never let a good emergency go to waste, and it appears that the fire people have created a well-coordinated plan to push through the VTP this year, possibly because it will be a stable moneymaker for their contractors and probably for many other reasons. It looks like they're proposing a War on Fire, and if it comes to pass, like the War on Drugs, it's probably going to be hideously expensive, it's probably going to have serious unintended consequences, and probably fire will be the ultimate winner.

There are a number of things we can do to reduce fire risk, some of which have scientific evidence backing them and some of which are fairly cheap. I'd rather we spent the money doing those, rather than uselessly bulldozing the backcountry (there is good evidence this doesn't work). If you want to support us in this effort, email me at [conservation@cnpsd.org](mailto:conservation@cnpsd.org).

#### Otay Ranch Village 14

It's back and heading for the County Supervisors. I talked about this last August. It was one of the flock of big developments that were to be "bundled" and heard by the Supervisors in batches. That bundling never finished, but it appears that this General Plan Amendment (GPA) development will be heading to the County Supervisors in April. This project is the worst of the flock of GPAs from last year, so far as we're concerned. Like Newland Sierra, it would sever a wildlife corridor, put homes in a known fire area (which has burned multiple times in the last century) and harm a number of sensitive plants. We're going to fight this one. If you want to help in the effort, especially if you're game to write or testify, email me at [conservation@cnpsd.org](mailto:conservation@cnpsd.org). You can also donate to the CNPSSD legal fund, if you feel so inclined.

~ Frank Landis, Conservation Chair

## GARDENING WITH NATIVES

### Native Gardening Committee Meeting

**April 10 & May 8.** The Native Gardening Committee meets the 2nd Wednesday of each month at various locations. Contact [gardening@cnpsd.org](mailto:gardening@cnpsd.org) for location and time.

### Old Town Native Landscape

**Tim Downing**, the volunteer coordinator in Old Town State Historic Park, applied for and received an \$8,000 grant to restore and improve the Native Landscape at the west end of the State Park. The ½ acre site invites visitors to see the useful native plants that were common in San Diego when Europeans arrived in 1769. The initial planting was provided by a bequest from the estate of CNPS member **Rita Delapa** in 2006. CNPSSD has supported this landscape with annual funding for over 12 years. At the April Chapter Board meeting, as part of the new fiscal year's budget allocations the board will consider approving up to \$1,500 in FY 2019-20 to supplement Tim's existing grant for plant purchases. The planting will take place during the 2019-2020 winter and notices for planting parties will be posted in the Chapter newsletter so members can participate in restoring the Landscape.

Questions? Contact Kay or Peter at [oldtownlandscape@cnpsd.org](mailto:oldtownlandscape@cnpsd.org).

## BOTANY

### Padre's Shooting Star (*Primula [Dodecatheon] clevelandii*)



Photos by Dr. W. Jürgen Schrenk.

Padre's shooting star (*Primula clevelandii*) is an herbaceous flowering plant in the family Primulaceae. The species have basal clumps of leaves and nodding flowers that are produced at the top of tall stems rising from where the

leaves join the crown. Padre's shooting star occurs in California & Baja, mostly in grasslands. The plant is spring deciduous, dying back to the ground after the rains end. The stamens are thrust out with the sepals bent back. The flowers are pollinated by bees that grab hold of the petals and gather pollen by vibrating the flowers with their buzzing wings (buzz pollination). The vibration releases pollen from the anthers.

## USA National Phenology Network & Nature's Notebook

This has been a magnificent spring for native plants and many people have made phenological observations that might be useful to others. The USA National Phenology Network (USA-NPN) was established in 2007 to collect, store, and share phenology data and information. The organization brings together citizen scientists, government agencies, non-profit groups, educators and students of all ages to monitor the impacts of climate change on plants and animals in the United States. Under the USA-NPN, Nature's Notebook is a national phenology observation program where professional and citizen scientists can record long-term observations of plant and animal life stages. Early or late blooming dates would be one type plant data that could be useful.

The National Coordinating Office (NCO) office of USA-NPN at the University of Arizona in Tucson connects people to phenology by (1) offering tools for understanding phenology, including the Nature's Notebook phenology observation program, (2) providing timely and relevant phenology data and data products, and (3) facilitating Communities of Practice by linking observers, Local Phenology Leaders, researchers, resource managers, and educators.

Specifically, the NCO:

- ✓ Offers standardized approaches to monitoring phenology.
- ✓ Promotes the collection of high-quality long-term phenology observations.
- ✓ Maintains a national phenology information system, including Nature's Notebook and the National Phenology Database.
- ✓ Assists federal agencies and other organizations in implementing Nature's Notebook on the ground according to their scientific, management, or educational objectives.
- ✓ Provides phenology data products and decision support tools.
- ✓ Facilitates phenology "Communities of Practice."
- ✓ Communicates the value of phenology to participants and the public.

For more information about the USA-NPN, please visit <https://www.usanpn.org/>. (Editor's note: Thanks to **Wayne Tyson** for mentioning this organization on the CNPS Listserve.)

## Exceptional Bloom

We are having a truly exceptional bloom this year! Some say it is one of the **best ever seen**. Hillsides are covered with flowers all over San Diego, not just in the desert. Local wildflowers and shrubs will continue to bloom into the summer, though the species that are blooming will change over time. Here are some recent photographs from cismontane San Diego county.



California poppies (*Eschscholzia californica*), Steven Miller



California poppy, stinging lupine (*Lupinus hirsutissimus*) & Parry's phacelia (*Phacelia parryi*). Steven Miller.



Pipestem (*Clematis lasiantha*). Fritz Stahr.



Star lily (*Toxicoscordion fremontii*) & chocolate lily (*Fritillaria biflora*). Lee Gordon.



Suncups (*Camissoniopsis bistorta*). Lee Gordon.

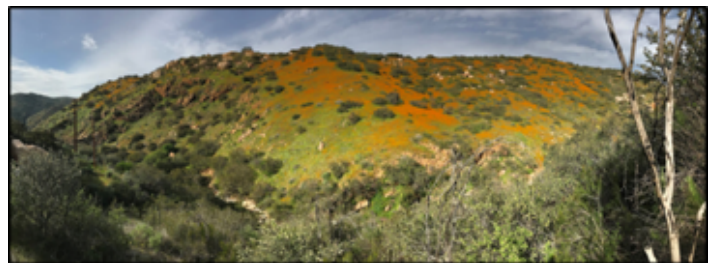
(Below) Ground pinks (*Linanthus dianthiflorus*). Close up by Lee Gordon; habitat shot by Steven Miller



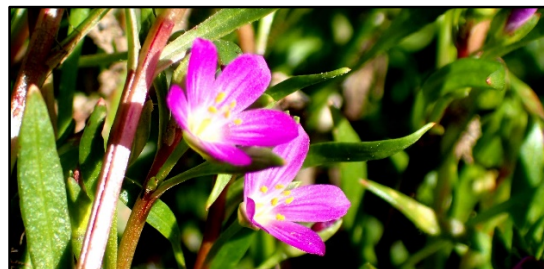
Parry's phacelia (*Phacelia parryi*). Close up by Lee Gordon; habitat shot by Fritz Stahr.



California poppies & popcorn flowers (*Cryptantha intermedia*). Lee Gordon.



Hillside of California poppies in the Poway area. Fritz Stahr.



Red maids (*Calandrinia menziesii*). Lee Gordon.



## DESERT WILDFLOWERS

At the DesertUSA website:

<https://www.desertusa.com/wildflo/wildupdates.html> you can find updates on the wildflower blooms at various desert areas, such as Anza-Borrego Desert State Park, Death Valley National Park (NP), Joshua Tree NP and Mojave Desert NP, and even the deserts of other southwestern states. Anza-Borrego Desert SP also has its own website for wildflower updates that tells you exactly where the best wildflower displays are in the park:  
<https://www.abdnha.org/pages/03flora/reports/current.htm> or you can call 760-767-4684 for an update.

## CNPS WORKSHOPS

### Measuring & Monitoring Plant Populations

April 24-26, San Luis Obispo

Taught by Charley Knight.

\$435 CNPS Members, \$455 Non-Members.

You will learn to sample & analyze plant populations through hands-on classroom and field exercises. Topics include principles of sampling & several sampling designs, field techniques for measuring vegetation, analysis of monitoring data, presentation of results, & development of good management objectives.

<https://www.cnps.org/education/workshops/measuring-monitoring-april-2019>

## Los Angeles/Santa Monica Mountains Chapter

### Native Plant Celebration & Symposium, Wildflower Show, Plant & Book Sale

Saturday, April 13, 9 am – 4 pm

Sepulveda Garden Center,  
16633 Magnolia Blvd., Encino, 91436

More info at <https://lasmmcnps.org/>

## Jepson Workshop Series

### Lupinus Workshop

May 17-19; Friday 9 am – Sunday 2 pm.

<http://ucjeps.berkeley.edu/workshops/#TS>. Taught by Teresa Sholars. Professor Emeritus, Mendocino College, Fort Bragg, CA. Join us for an in depth look at lupines as we explore a new draft key for the genus that is intended to serve as a revisions to the current key in the *Jepson eFlora*. Participants will also get a preview of the upcoming book, *A Photographic*

*Display of California Lupines*. \$350/\$380. For registration, visit:

<http://ucjeps.berkeley.edu/workshops/regform.html>.

## EARTHDAY 2019: PROTECT OUR SPECIES

“In nature, nothing exists alone.”

— Rachel Carson, 1962

Nature’s gifts to our planet are the millions of species that we know and love, and many more that remain to be discovered. Unfortunately, human beings have irrevocably upset the balance of nature and, as a result, the world is facing the greatest rate of extinction since we lost the dinosaurs more than 60 million years ago. But unlike the fate of the dinosaurs, the rapid extinction of species in our world today is the result of human activity.

The unprecedented global destruction and rapid reduction of plant and wildlife populations are directly linked to causes driven by human activity: climate change, deforestation, habitat loss, trafficking and poaching, unsustainable agriculture, pollution and pesticides to name a few. The impacts are far reaching.

All living things have an intrinsic value, and each plays a unique role in the complex web of life. We must work together to protect endangered and threatened species, and more.

The good news is that the rate of extinctions can still be slowed, and many of our declining, threatened and endangered species can still recover if we work together now.

Earth Day Network is asking people to join their Protect our Species campaign. Their goals are to:

- Educate and raise awareness about the accelerating rate of extinction of millions of species and the causes and consequences of this phenomenon.
- Achieve major policy victories that protect broad groups of species as well as individual species and their habitats.
- Build and activate a global movement that embraces nature and its values.
- Encourage individual actions such as adopting plant-based diet and stopping pesticide and herbicide use.

<https://www.earthday.org/>

## RELATED ACTIVITIES

### Theodore Payne Native Garden Tour

April 6 & 7; 10 am – 5 pm. A two-day self-guided tour of the region’s premier California native plant gardens. See



<http://www.nativeplantgardentour.org/> to purchase tickets and for further info. \$25 for Theodore Payne members and students, and \$30 for non-TPF members.

## SD Horticultural Society

### Meeting on April 8, 6 pm

Meeting will be held at the Congregation Beth Israel, 9001 Towne Centre Drive, San Diego. **Mike Evans of Tree of Life Nursery will explain how native plants can be the best turf replacement.** More info at [www.sdhort.org](http://www.sdhort.org)

### Garden Tour on April 27, 9 am - 4 pm

Visit 9 private gardens rich with horticultural history in Magical La Mesa! SDHS Members \$35; Non-members \$40. All tickets must be purchased in advance; no day of tour ticket sales. For information and ticket purchase, visit <https://sdhort.wildapricot.org/event-3161812>.

## Batiquitos Lagoon Foundation

**April 13, Saturday; 9-11 am.** Plant walk and demonstration of native and invasive species. Featuring **Don Rideout & Patti Gollong.** Everyone welcome!! Meeting place is the BLF Nature Center, 7380 Gabbiano Lane, Carlsbad, CA 92011.

## Rancho Santa Ana Botanic Garden

### Grass Identification and Field Trip

**Sat-Sun, April 27 - 28**

Led by Travis Columbus, PhD, participants will be instructed in detail on the vegetative and reproductive features of grasses (Poaceae). Aspects of anatomy, physiology, and ecology will also be addressed. Most time will be spent in the lab learning to use the identification keys in the second edition of The Jepson Manual. Special attention will be given to difficult couplets and taxa. In addition, participants will learn how to identify common genera by using diagnostic characteristics. There will be a field trip to Santa Rosa Plateau on Sunday afternoon. Please bring a bag lunch on both days. Snacks will be provided. \$300 (\$250 for RSABG members). Please register online at [www.rsabg.org](http://www.rsabg.org).

## Moosa Creek Nursery

Whether you are restoring wildlands, preserving habitat or building your own mini wildlife island in a suburban area, Moosa Creek Nursery is busy growing water conscious, unusual plants for Southern California. They are also having some spring events:

**Sat. April 27: Habitat Heaven** - Native plants for butterflies, pollinators and birds.

## SD Natural History Museum & Julian Women's Club Wildflower Show, May 3-5

Wildflowers - the Jewels of the Backcountry. The Julian Wildflower Show will be open from 10:00 am to 4:00 pm, from May 3 - 5, 2019. It is held in the Julian Town Hall, lower

level, at Highway 78/79 and Main Street. The show is free to the public. The Julian Wildflower Show has been an historical event for over 91 years. Because of Julian's mountain valley location, bordering a national forest and close to the Anza-Borrego State Park, we have 855 species of plants within 25 miles of town, many of which were used for health and healing by Native Americans. The Show is meant to educate club members, local residents, out-of-town visitors, and children about the botanical wealth of Julian and its vicinity.

With permission from landowners, club members spend two days gathering wildflowers from five plant zones. The wildflowers are displayed in the Julian Town Hall for three days. The flowers are arranged on tables representing the different

geographical areas and plant zones in which they are picked. Display cards provide the name of the plant and described uses of the



various plants by Native Americans. For more info visit:

<http://www.julianwomansclub.org/event/julian-wildflower-show/>.

The CNPS-SD Newsletter is generally published 12 times a year. The newsletter is not peer reviewed and any opinions expressed are those of the author identified at the end of each notice or article. The newsletter editor may edit the submittal to improve accuracy, improve readability, shorten articles to fit the space, and reduce the potential for legal challenges against CNPS. If an article, as edited, is not satisfactory to the author, the author can appeal to the board. The author has the final say on whether the article, as edited, is printed in the newsletter. **Submissions are due by the 10th of the month preceding the newsletter; that is, May 10 for the June newsletter, etc. Please submit items to [newsletter@cnpsd.org](mailto:newsletter@cnpsd.org).**

## CNPS-SD Activities Calendar April/May 2019

- 4/2: Conservation Mtg, p.4**
- 4/3: Board Meeting, p.2**
- 4/6-7: Algodones Dunes Camping/Day Trip – Imperial County, p. 5**
- 4/10: Garden Committee Mtg, p.5**
- 4/13-14: Garden Tour, p. 7**
- 4/16: Chapter Meeting, p.1**
- 4/20: Torrey Pines Extension & Crest Canyon, Del Mar Fld Trip, p. 5**
- 5/1: Board Meeting, p.2**
- 5/7: Conservation Mtg, p.4**
- 5/8: Garden Committee Mtg, p.5**
- 5/21: Chapter Meeting, p.1**

**MEMBERSHIP APPLICATION**

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

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ e-mail: \_\_\_\_\_

Mail check payable to "CNPS" and send to: CNPS, 2707 K Street, Ste 1, Sacramento, CA 95816-5113.

**CALIFORNIA NATIVE PLANT SOCIETY**

San Diego Chapter  
C/o San Diego Natural History Museum  
P. O. Box 121390  
San Diego, CA 92112-1390

Nonprofit Organization  
U.S. Postage  
**PAID**  
PERMIT NO. 1522  
San Diego, California



April/May 2019 Newsletter

Dedicated to the preservation of the California native flora  
*CALIFORNIA NATIVE PLANT SOCIETY – SAN DIEGO*

[www.cnpssd.org](http://www.cnpssd.org) [info@cnpssd.org](mailto:info@cnpssd.org) [facebook.com/cnpssd](https://facebook.com/cnpssd) [instagram.com/cnpssd](https://instagram.com/cnpssd) [twitter.com/cnpssd](https://twitter.com/cnpssd)

**BOARD MEMBERS**

PRESIDENT: Justin Daniel .....president@cnpssd.org  
VICE PRES: Bobbie Stephenson.....vicepresident@cnpssd.org  
619-269-0055  
SECRETARY: Maggie Loy.....secretary@cnpssd.org  
TREASURER: Connie di Girolamo.....treasurer@cnpssd.org  
Cindy Burrascano..... (858) 342-5246; booksales@cnpssd.org  
Bob Byrnes.....bob.byrnes@cnpssd.org  
Josué Campos.....josue.campos@cnpssd.org  
Al Field.....gardening@cnpssd.org  
Frank Landis.....conservation@cnpssd.org  
Torrey Neel.....programs@cnpssd.org  
Leon Scales.....leon.scales@cnpssd.org

**CHAPTER COUNCIL DELEGATE**

Frank Landis.....chaptercouncil@cnpssd.org

**RARE PLANT BOTANIST**

Fred Roberts.....rarebotanist@cnpssd.org  
(760) 712-7604

**APPOINTED COMMITTEE CHAIRPERSONS**

BOOK SALES: Cindy Burrascano.....booksales@cnpssd.org  
(858) 342-5246  
CONSERVATION: Frank Landis.....conservation@cnpssd.org  
(310) 883-8569  
EDUCATION: OPEN  
FIELD TRIPS: Justin Daniel.....fieldtrips@cnpssd.org  
HOSPITALITY: Kye Ok Kim.....hospitality@cnpssd.org

INVASIVE PLANTS: Arne Johanson (858) 759-4769 &  
Bob Byrnes.....invasiveplants@cnpssd.org  
LEGISLATION: Peter St. Clair.....legislation@cnpssd.org  
LIBRARIAN: Maggie Loy.....librarian@cnpssd.org  
MEMBERSHIP: Connie di Girolamo.....membership@cnpssd.org  
NATIVES FOR NOVICES: Torrey Neel  
.....nativesformovices@cnpssd.org  
NATIVE GARDENING: Al Field.....gardening@cnpssd.org  
GARDEN TOUR: Judie Lincer.....tour@cnpssd.org  
GARDEN WORKSHOP.....workshop@cnpssd.org  
HABITAT RESTORATION: Arne Johanson..... (858) 759-4769 &  
Bob Byrnes .....habitatrestoration@cnpssd.org  
MEDIA: Joseph Sochor.....media@cnpssd.org  
NEWSLETTER: Bobbie Stephenson.....newsletter@cnpssd.org  
(619) 269-0055  
OLD TOWN NATIVE PLANT LANDSCAPE: Peter St. Clair and  
Kay Stewart.....OldTownLandscape@cnpssd.org  
PLANT SALE-FALL: Connie di Girolamo.....plantsale@cnpssd.org  
POSTER SALES: OPEN.....postersales@cnpssd.org  
PROGRAMS: Torrey Neel.....programs@cnpssd.org  
PROPAGATION: Amy Huie, Jim Wadman, and Torrey Neel  
.....propagation@cnpssd.org  
PUBLICITY: OPEN.....publicity@cnpssd.org  
PUBLIC OUTREACH: Leon Scales &  
Justin Daniel.....publicoutreach@cnpssd.org  
RARE PLANT SURVEYS: Josué Campo.....raresurvey@cnpssd.org  
SEEDS & BULBS: Cindy Hazuka.....seedsandbulbs@cnpssd.org  
SPONSORSHIPS.....gardening@cnpssd.org  
VEGETATION: OPEN.....vegetation@cnpssd.org  
WEBSITE: [Joseph Sochor.....webmaster@cnpssd.org](mailto:Joseph.Sochor@cnpssd.org)