**CALENDAR**

Mar 3 ............... BoD meeting
Mar 5 ............... Field trip
Mar 12 ............. Field trip
Mar 17 ........... Chapter meeting
Mar 20 ................ Field trip
Mar 20 ............. Panhe
Mar 27 ............. Field trip
Apr 2 ... Adventure Day, Caspers
Apr 7 ................ BoD meeting
Apr 9 ................ Field trip
Apr 16-17 ......... Green Scene
Apr 16-24 .... Native Plant Week
Apr 21 ............. Chapter meeting
Apr 23 ............ GARDEN TOUR
Apr 24 ............. Field trip
Apr 28-May 1: SCP Garden Show
May 1 ............... Field trip
May 5 ................ BoD meeting
May 8 ............... Field trip
May 15 ............. Field trip
May 19 ........... Chapter meeting
May 21-22 ......... Field trip

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**California In My Garden**—April 23, 10 – 4

15 gardens across Orange County that feature California native plants! Tickets will be available after March 15 at occnps.org and at our March and April chapter meetings.

**Native Gardeners Corner**—Members’ Tips, Tricks, and Techniques

This column is a regular newsletter feature offering chapter members and local experts a chance to briefly share information on many things related to gardening with natives.

Answers listed in order received.

The request for this edition of the newsletter is: “This year is the 50th anniversary for CNPS and the 35th anniversary for the Orange County Chapter. Please share one interesting memory from your time as a member.”

Celia Kutzer—“I saw the notice of the formation of an OC chapter of CNPS on a bulletin board in the Biology Department at Cal State Fullerton early in the 1978 spring semester. The first meeting I attended, a few weeks later, was held in the Horticulture Unit at Orange Coast College. Perhaps a dozen attended. A few of us are still chapter members.”

Ron Vanderhoff—“Many years ago, before I was active in CNPS I visited Sarah Jayne’s home garden during a OCCNPS garden tour. Her wonderful, soothing garden blended horticulture and California so perfectly that it made an indelible, life-long impression on me. It wasn’t until several years later that I came to know Sarah and her amazing legacy with CNPS. CNPS is not just plants, it is people. Sarah Jayne is a CNPS legend.”

Chuck Wright—“My memories of the OC-CNPS go back to when we met at the Irvine Ranch Water District facility on Sand Canyon. I was so impressed that I was joyfully greeted at the door each month by Dan Songster. I have continued to be amazed at the diversity of people who flock to the monthly meetings and how knowledgeable and helpful each and every person is. A most unique tribe that volunteer at the state level, and at the same time gets their hands dirty right here in Orange County. A most amazing and diverse group of people that I am pleased to be associated with.”

Laura Camp—“For the last six years, it’s been my honor to serve on the board of CNPS, with the last two as president. The experiences are many, varied, and too numerous to do justice to. CNPS board and Chapter Council meet in locales all over the state four times a year. I visited Quincy, Chico, Fort Bragg, Sacramento, Big Pine, Bakersfield, Yucca Valley, San Diego, San Carlos, Santa Clara, Santa Rosa, Berkeley, Claremont, Marin, with self-mandated detours to natural areas all over the state. An invaluable life-changing experience that I highly recommend to anyone. Hooray for one of the great floras of the world, California native plants!”

Brad Jenkins—“I was an inactive CNPS member in the 1990s. Around the year 2000, OC board member Sarah Jayne and I met on a mountain hike led by mutual friend Jesper Widen. I told her the chapter needed a garden tour. She thought the idea had promise, but I would need to get involved, in which case she would help. With her hands on guidance, the first in a long string of garden tours came about on April 28, 2002. A CNPS and life lesson was learned: If you want to make good things happen, get involved, and team with capable people. CNPS OC has many capable people, come enjoy them, and you can make positive changes happen.”

Rama Nayeri—“My favorite moments in CNPS involve making new friends and connections.”

Nancy Heuler—“It’s impossible to pick one moment after roughly ten years of attending CNPS events, O.C. Board and Chapter Council meetings. I’d have to say my fondest memory is of the wonderful, dedicated, friendly and knowledgeable people I’ve served with during those years—I’ve never known such an amazing group of all-around delightful human beings—you all have been an inspiration to me and I’ve learned so much from you!”

John Gossett—“I will never forget how amazed I was at the extraordinary variety of ways to garden with native plants when I took my first OCCNPS garden tour. Wonderful!”

Helen Smitso—“I have enjoyed learning about the incredible OC habitats from the many and varied field trips. Thanks to Ron Vanderhoff for leading & Rick Shilk for keeping the website up to date.”

Dan Songster—“I agree with Rama and Nancy. When I think of my time with CNPS I think of the people. In our local chapter with Sarah Jayne and Celia Kutzer leading the charge for many years and all our members who have been inspiring in so many ways. At state level Chapter Council meetings where decisions can be far reaching and discussions long, one memory I can’t escape is

See Tips & Tricks on page 3
CONSERVATION

UPDATE ON LITIGATION IN WHICH OCCNPS IS CO-PETITIONER

See past Newsletters and the indicated websites for background on these lawsuits.

1. Esperanza: Settlement negotiations were held last summer but no agreement was reached. The petitioners (our side) filed their brief on Jan. 15. The defendants, Orange County and developer Esperanza Hills, filed theirs on Feb. 29. The trial is scheduled for April. Background:

hillsforeveryone.org/projects/active-threats/esperanza-hills/.

2. Madrona: On Feb. 19, the landowner/developer filed an appeal of the Superior Court’s overturning of the project approvals. The City of Brea did not choose to join the appeal. The trial is expected to be in 18 months or so. Background:

hillsforeveryone.org/projects/active-threats/madrona/.

3. Orange Citizens: OCCNPS is part of an amicus curiae suit, which is awaiting the Supreme Court’s decision to review.

4. Banning Ranch: OCCNPS is part of an amicus curiae suit, which the Supreme Court has decided to review.

BANNING RANCH: The Coastal Commission hearing on the permit for development proposed for Banning Ranch has been re-scheduled to May; it will be in the LA/OC area. Stay tuned.

COAST TO CLEVELAND WILDLIFE CORRIDOR:

1. The West Alton Project: The Project’s EIR is expected to be released soon. A multi-story, 970-unit residential project is planned for a 44-acre, triangle-shaped County-owned parcel in Irvine, adjacent to the Great Park and the FBI Complex. A strip of about 11 acres, bifurcating the parcel, has been designated as wildlife corridor as mitigation for another project in the area. Enviro groups are concerned that such a large-scale development, sited on both sides of the corridor, would deter animals from using it. No additional protective measures are being considered (such as noise or light reduction) to minimize impacts to wildlife. Enviro groups have urged the County to consider alternate possible land uses, especially those that would be more compatible with the function of the wildlife corridor.

2. The Undercrossing at Bake Parkway: Where it goes under I-5, the wildlife corridor narrows drastically into a large, long culvert, which curves such that light from one end can’t be seen from the other end. Animals generally are reluctant to enter a dark tunnel such as this. So the undercrossing is a major obstacle to the corridor’s function: to enable wildlife dispersal between the Coastal and Central portions of the NCCP reserve lands. Laguna Greenbelt and several technical experts will soon view and discuss potential solutions for this obstacle. For background on this portion of the corridor, see wildlife corridor.org/the-corridor/corridor-southern-reach/.

NEW EDITION OF OC GREEN VISION MAP: See fhbp.org/publications/green-vision-map.html.

—Celia Kutcher, Conservation Chair

HIKES IN OCTA’S PRESERVES

The OC Transportation Authority (OCTA) is hosting a series of hikes in its Open Space Preserves, mostly in the Trabuco Cyn. area. The schedule: fhbp.org/PDFs/OCTA-Hike-Ride-2016.pdf.

The Preserves have been permanently protected as mitigation for transportation improvement project impacts, under voter-approved Renewed Measure M (aka M2); see fhbp.org/projects/measure-m-projects.html for background. Resource Management Plans for the Preserves are currently being worked out, see the Jan/Feb. Newsletter. Here’s a chance to see and enjoy what’s being preserved: some of OC’s pristine open space.

Anita Thompson – Acorn Grant Recipient

The Acorn Grant given by the Orange County Chapter of the CNPS (OCCNPS) is awarded annually to help support a school garden project involving Orange County students in Kindergarten through 12th grades that acquaints them with Southern California’s rich diversity of plants and habitats with school gardens that highlight native plants. Anita Thompson, a teacher at Pendleton Elementary School in Buena Park and three-time recipient of the award who is retiring this year, has put the funds to good use.

In 2003, Mrs. Thompson started and still manages the Pendleton California Native Plant Garden. The gardens are located in two dedicated areas: a large plot behind the school and another smaller garden nearby, as well as other native plants spread around the campus. As a teacher Mrs. Thompson saw how the benefits of native plants in the urban environment could be combined with learning opportunities for her students while also helping them meet the standards for California Schools. She knew the plants would help beautify the campus while introducing native plants to the community and that the project would attract community involvement. Anita taught her students that native plants use less water than the common landscape varieties and provide habitat for native insects, animals and birds. The National Wildlife Foundation has certified Pendleton’s garden as a “Wildlife Habitat” because it provides enough food, cover and water for wildlife that their young can be raised there. Pendleton is currently working on gaining further recognition with the National Wildlife Foundation by qualifying as an Eco School with a Bronze Certificate with a focus on Schoolyard Habitats.

Mrs. Thompson successfully combined the efforts of students in the garden with topics covered in Science and Social Studies. High school students can obtain community service hours, a requirement for graduation, with weekend participation through Buena Park High School’s Earth Club. Community involvement was realized with the participation of the school PTA. Tools, seeds, plants and other supplies come at a cost and support has come from others besides OCCNPS including the generous support of Ganahl Lumber and Premier Chevrolet. Please join us in applauding the years of hard work that Anita Thompson has given to the next generation of native plant gardeners.

—Bob Huttar

NOTE: The Pendleton School Garden will be on our garden tour, Saturday, April 23, from 10 am to 1 pm only. Students will be on hand to show people around and identify the plants. Directions to the school will be found in the garden tour brochure.
Tips and Tricks, continued...

the June, 1993 Board Meeting (now Chapter Council meeting) being held up near Beetle Rock in Sequoia. We woke up to several inches of snow! I remember David Magney of the Ventura Chapter was President at the time and after the snow plows came through in midday we adjourned to get down the hill before the roads iced over. A wonderful dinner was arranged by the local Chapter and various places to stay the night arranged. It was there in Three Rivers, that Elizabeth and I met that indomitable weed warrior from LA/Santa Monica Chapter, George Stevenson and wife Helen while sharing a small cabin for the night. We heard some wonderful stories.”

Sarah Jayne-“As newsletter editor, I get to have the last word! Most memorable are the people who share the passion and the field trips where we get to revel in it.”

Our Question for the Next Newsletter is: “I found my Calochortus venustus that had sprouted so nicely eaten to the ground by rabbits and said, Arrgghh!!!” What has made you say “Arrgghh” this year?”

Email your responses to Dan Songster at songster@cox.net. Please remember to keep replies brief so we can include most of the responses.

Reprinting Oscar Clarke’s Flora of the Santa Ana River and Environs? It is up to us.

Oscar Clarke, a self-taught botanist, author and founder of the Herbarium at UC Riverside recently passed away at the age of 93. Known as a “walking encyclopedia of local natural history,” he started the UC Riverside herbarium in 1966 and was its curator until 1979 still visiting and volunteering at the herbarium as recently as last year. He was a friend and mentor to many botanists, naturalists, and ethnobotanists in our region.

Bob Muns in remembering various “grand old botanists” he has worked with over the decades particularly admired Oscar Clarke. “Oscar was a good friend. He was a real naturalist of the old school. He knew and tasted everything. He was one in a million. His energy, enthusiasm, and vast knowledge of birds, insects, and plants inspired us all.”

If you have a copy of his 2007 book Flora of the Santa Ana River and Environs you know what an informative and special book this is. This guide represents a culmination of Clarke’s lifetime natural history study, and in many ways it mirrors Oscar’s personality, brimming with ideas, many images, and just crammed with interesting and useful details. It is easy to use, and very enjoyable to read so it was immediately popular with a broad range of people. Its popularity has caused a problem however—it is almost out of print.

So the publisher, Heyday press, is in a quandary. They are running out of Oscar Clarke’s wonderful book and since they are a non-profit, are relying on contributions of $8,000 to reprint the book. Recently we received a note from Oscar’s wife, Marnia Alexander-Clarke, outlining a fundraising effort she and friends are publicizing. “Of all possible memorials for Oscar, this would be the most important one. He was so very proud of this book and it has been very well received. It is so important to keep it in print.”

Grace Carroll from Heyday (who is overseeing this effort) is hopeful but speaks plainly. “We need a big boost to get us to our goal. If [CNPS] chapters wanted to spread the news of our fundraising through their own networks that could be tremendously helpful—one or two major donors could make all the difference. If we do not reach our fundraising goal the book will stay out of print.”

So how can we help insure that this very useful and inspiring book stays in print?

Our Orange County Chapter has sent $200 to Heyday to help with the publication and you can send whatever you can afford to help the effort. Donations can be made directly to Heyday books at: https://heydaybooks.com/support/. Please select “general support” on the next page and write a note that the gift is for Oscar Clark’s book. Otherwise a check can be sent directly to Heyday Books, PO Box 9145, Berkeley, CA 94709.

—Dan Songster

To view a video of Oscar Clarke, go to https://www.youtube.com/watch?v=HFOMhgyS_M

NATURALIST TRAINING CLASSES AT SADDLEBACK COLLEGE

Would you like to become a Park Naturalist? Or just brush up on your naturalist skills, learning from talented scientists and naturalists? Naturalist Training (Environmental Studies 200, ticket # 10240) may be for you! To enroll, go to saddleback.edu or call Admissions, 949-582-4555. More info: elisabeth.brown0@gmail.com or pjbryant@uci.edu.

Volunteer at Starr Ranch

For many years, weed control at Starr Ranch Sanctuary has been non-chemical to preserve unique habitats. That means a lot of manual work! Volunteers are invited to (literally!) lend their hands on select Saturday. Saturday Volunteer Days for March through May are as follows:

March 19 & 26—9am to 12:30pm
April 9, 16, & 23—1:30pm to 4:30pm
May 14 & 21—9am to 12:30pm

No experience necessary. Training and tools provided. On Volunteer Day a brief PowerPoint presentation about the history of Starr Ranch and the habitats found here is shown. Then we will go out to pull invasive weeds with hands-on instruction. It’s a great time to be outside!

If you are interested and have hands to offer, contact

Julissa Rosales,
Riparian Invasive Species Control & Restoration Assistant
Starr Ranch Sanctuary, Audubon Society
jrosales@audubon.org

Visit us at:
Green Scene,
April 16-17, at the
Fullerton Arboretum.
Dollar-off entrance tickets available at our
March meeting
**FIELD TRIPS**

Most field trips are free and open to all, but read the trip outlines for parking/entrance fees or pass requirements and be sure they fit your physical abilities. Bring plenty of water, sunscreen, appropriate trail shoes, a camera, a notepad and lots of enthusiasm. Any last minute changes will be posted at ocnpson.org by 7 pm the night before.

**Casper’s Wilderness Park** — Sat, Mar 5

Casper’s Wilderness Park is the Jewel of the Orange County Park system, including 8,000 acres and a wide array of habitats. Leader Diane Ethchison will lead the group up the Loskorn Trail to the West Ridge Trail and back by the Starr Rise and Oak Trails. Possible wildflowers at this time of year include Clematis pauciflora (Ropevine), Dodecatheon clevelandii (Padre’s Shooting Star), Harpagonella palmeri (Palmer’s Grappingh ook), Lasthena gracilis (Slender Goldfields), Paeonia californica (California Peony), Caulanthus heteropyllus (San Diego Jewel Flower), Camissoniopsis strigulosa (Sandysoil Suncup), Pseudognaphalium leucocephalum (Sonora Everlasting), and lots of Lupines. Near the top of the Loskorn trail there should be a variety of ferns, bryophytes and Dudleyas. Last year at this time the open areas and sides of trails were covered with Calandrinia ciliata (Red Maida).

**Meet at 8 AM** at the trailhead at Casper’s Park. Directions: From 5 freeway, exit Orange Highway, and go east 8 miles. The entrance to Casper’s is prominently marked on the left. There is a day use fee of $5 per car or an OC Parks Pass. Enter the park and proceed to the end of road. There are several parking areas near the old windmill. Meet near the wooden sign “Nature Trail.” Maps are available at the entrance kiosk. Some of the trails are rocky and uneven with some moderately steep areas, but we will go slowly. Wear sturdy shoes, a hat and sunscreen. Bring hiking poles if you use them and plenty of water.


**Baker Canyon, Irvine Ranch Natural Landmarks** — Sat, Mar 12, RSVP required

Between Silverado Canyon and Black Star Canyon, Baker Canyon is a very special place, well insulated and protected from much of the outside world. A part of the Irvine Ranch Natural Landmark, it is off limits to most public access, except for a few days each year, so this is a special opportunity to explore an excellent natural area with other like-minded people. Enjoy views of the Santa Ana Mountains, as well as the wildflowers and plants of oak-shaded Baker Canyon and the ridges above as you learn why so many different plants and animals call this place home. **Trip leaders: Bob Huttar and Diane Ethchison, both award winning Irvine Ranch Conservancy volunteers, are very familiar with the area and will point out the native plants and many of the other natural features of the area. Plants that may be blooming at this time of year include 3 types of Ceanothus, Fritillaria biflora (Chocolate Lily) and Harpagonella palmeri (Palmer’s Grappinghook). This will be a 3-4 mile loop hike beginning with a gradual climb to a final elevation of 1370 ft (elevation gain about 460 ft), with beautiful views at the top. This trip requires advance registration and acceptance of a liability waiver and is limited to the first 18 people. Please send your reservations to ditchison22@cox.net. Directions and start time will be sent by return email.**

**Physical Difficulty: Moderate. Bring hat, sunscreen, camera, wildflower book/notepad, water and hiking shoes/boots. Trip time: approximately three hours. No water or restrooms. Plant intensity: Medium.**

**Elsinore Peak and S. Main Divide Road** — Sun, Mar 20

Elsinore Peak is the southern most of the Santa Ana Mountain peaks and offers an unusual habitat of grasslands with some coastal sage scrub and chaparral. The area near the peak is further unique due to its volcanic history and unusual foundation of basalt rock. The specific stops for our visit will depend upon current conditions and the season’s always unpredictable bloom. We may explore the area just below the peak for spring wildflowers (Fritillaria biflora, Ranunculus, goldfields, Alliums, Calochortus, Clarkia, Collinisia, popcorn flowers, monkeyflowers, lupines, peonies, *Sanicula* and more), then, we will almost certainly visit the site along S. Main Divide Road of the 2013 “Falls” fire. The past two years, this was the best wildflower show in the area, with large displays of fire-following plants, including thousands of Fire poppies - *Papaver californicum*, Chorisazante, Delphinium, Penstemons, Caulanthus, Emmenanthe, *Lupinus* and others. **Meet 8 AM at the parking lot at Bravo Burgers, 31722 Rancho Viejo Rd., San Juan Capistrano (just off Hwy 74 near Int. 5). Free and open to all. Bring trail shoes, hat, sunscreen, water and lunch if desired. Leader: Ron Vanderhoff. This trip does require a USFS Adventure Pass!**

Physical Difficulty: Moderate. Bring hat, sunscreen, camera, wildflower book/notepad, water and hiking shoes/boots. No water or restrooms. **Plant Intensity: moderate to high, especially wildflowers. Time: Approx. 3 hours or more depending on the group.**

**Vail Lake Area, East of Murrietta/Temecula** — Sun, Mar 27

This is an interesting area of transitional and intergrade environments. Here, Riverside sage scrub (the most xeric and inland version of this plant community) blends with Diegan sage scrub (a more coastal and mesic version). This interesting intergrade of plant communities supports an odd assemblage of both desert and coastal plants, with high diversity, especially wildflowers. In addition to many wildflowers, some other plants to be expected include *Adenostoma sparsifolium* (Red Shanks), Mojave Yucca (*Yucca schidigera*), *Cylindropuntia californica* and Beavertail Cactus (*Opuntia basilaris*). There should also be an opportunity to view the Southern California endemic Nevin’s barberly (*Berberis nevini*) as well. **Trip Leaders: Jonathan Frank and Ron Vanderhoff. Meet at the intersection of Hwy. 79 and Vail Oak Road (12 miles east of Int. 15) at 9 AM.**

Physical Difficulty: Moderate to high. **Bring hat, sunscreen, camera, wildflower book/notepad, water and hiking shoes/boots. No water or restrooms. Plant Intensity: moderate. Time: Approx. 3 hours or more depending on the group.**

**Driving Tour of the Irvine Ranch Conservancy** — Sat., April 9

**CNPS Members Only**

**Dr. Jutta Burger,** Senior Field Ecologist from the Irvine Ranch Conservancy will once again offer CNPS a special trip through the natural areas of The Irvine Ranch Conservancy. CNPS members will receive a rare glimpse of the spring bloom on these lands — including some of OC’s most important natural resources. This is a driving tour, on conservancy vehicles, along uneven dirt roads. The exact route and locations have not yet been determined. Wildflowers should be well represented and docents from the Conservancy will be on hand to discuss some of the interesting geology, fauna, restoration and other features. This is an all-day trip. **Restroom availability at beginning, lunch and end only.** Please visit www.occnps.org for specific registration instructions for this trip, as they become available. This trip is available to CNPS members only, is limited attendance and does require advance registration. **Registration information will be posted at http://www.occnps.org/explore.html, once it is final.**

Physical Difficulty: Easy, but includes lots of bouncing around on rough dirt roads. Short to moderate walking distances. **Includes lunch. Plant Intensity: Moderate to high, especially wildflowers. Time: Approx. 6-7 hours.**
CHAPTER MEETINGS
Thursday, March 17, 2016—Butterflies in your landscape: Creating a Complete Butterfly Garden
Speaker: Dr. Gordon Pratt

The pressure on butterfly populations has never been greater – How can we help? Dr. Pratt will discuss usual needs for a good butterfly garden like larval food plants and high quality nectar sources for adults. He will also present other important variables such as hilltops, mud puddle sites, roosting plants, and how larval food plants are planted to improve oviposition and butterfly survival. He encourages observation in your area to determine best local nectar sources and getting together with neighbors to provide as diverse a neighborhood habitat as possible. Good butterfly gardens provide high quality habitat for all animals in your area.

Dr. Gordon Pratt completed a Masters degree in Molecular Biology, isolating mRNA from female blowflies at Queen’s University in Kingston Ontario, Canada. He later completed a Ph.D. on the systematics of the dotted blues (small, lovely butterflies in the genus *Euphilotes*) at the University of California at Riverside. These butterflies potentially evolved in sympathy through food plant shifts on buckwheat species with different bloom times. From there he went to the University of Delaware to do a postdoc on sympatric speciation through host plant shifts in *Enchenopa binotata* (the twomarked treehopper). In the mid-1990s, Dr. Pratt returned to the University of California at Riverside and continued his research on butterflies and their larval food plants. During that time, he taught an extension course on butterfly ecology, studied insect and plant diversities on military installations, and endangered butterflies of southern California. In 2013, he retired from the University of California but still works on southern California’s butterflies and their larval food plants.

Chapter meetings are held on the third Thursday of the month except in July and August. Meetings usually take place at the Duck Club in Irvine. Doors open at 6:45 pm; the program begins at 7:30.

Directions to the Duck Club:
The Duck Club is located in the San Joaquin Wildlife Sanctuary next to the IRWD water treatment facility. From the Jamboree exit of the 405:
Head toward Newport Beach. Go south (left) on Michelson to Harvard Avenue. Turn right on Harvard. At University Drive, turn right and stay in the far right lane. At Campus, turn right and stay to the right. The entrance to wildlife sanctuary is the next right. Turn left into the parking lot. The Duck Club is in the center, restrooms on the left, Audubon House on the right.

From the Culver exit:
Heading toward UCI, pass Michelson and continue on to University Drive. Turn right on University. Turn right onto Campus and stay to the far right for the turn into the wildlife sanctuary.

Thursday, April 21—Bryophyte Basics
Speaker: Paul Wilson

While we may be pretty good at identifying the flowering plants we see in our wildlands, the tiniest of Orange County plants may not even get a second look. These are the Bryophytes! Liverworts, mosses, and hornworts are quite different from the plants people are most familiar with—ferns, conifers, flowering plants, etc.

Just how do the mosses, liverworts and hornworts manage their existence without vascular tissue to move around moisture and nutriments? Actually, pretty well—their mostly tiny size helps a lot. Their habitats and life cycles are surprisingly varied and definitely intriguing. Bryophytes tend to be desiccation tolerant, “springing back to life” when moisture arrives, and many can grow a new plant just from a tiny fragment. These are things that most vascular plants can’t do. Bryophytes occur in a wide variety of habitats and not just wet spots. For example, California deserts are home to quite a number of mosses. If you thought that there was one kind of moss and they all look alike, you will learn differently! And the liverworts and hornworts are another whole story.

The talk will end with images of some must-know Orange County mosses and liverworts from the February field trip that Paul led for us. Those who came along learned that it would take much more than one trip to even begin to distinguish among them!

Paul Wilson is a professor of ecology and evolution at California State University Northridge where he was awarded the Outstanding Faculty Award in 2011. He is co-founder of the new Bryophyte Chapter of CNPS. He teaches a variety of field biology classes for non-majors and majors. This evening’s event is co-sponsored with the Bryophyte Chapter.

VOLUNTEERS ARE WELCOME AT THESE UPCOMING EVENTS
No experience necessary – just the desire to share an enthusiasm for California native plants. Please contact Jennifer Mabley at jenpod@gmail.com for more information.

- Sun, Mar 20: **Panhe**, San Mateo Campground, San Clemente
- Sun, Apr 3: Adventure Day, Caspers Park
- Apr 15: Setup for Green Scene in the morning.
- Apr 16-17: Green Scene, Fullerton Arboretum
- Apr 23-OC CNPS GARDEN TOUR. Volunteer at a garden – you will receive a free ticket to the tour!
- Apr 27: Setup for Spring Garden Show in the afternoon.
- Apr 28-May 1: Spring Garden Show, South Coast Plaza
- May 14: Santa Margarita WD Water Awareness Day

HELP WANTED: Book and merchandise sales assistant at our general meetings, third Thursdays at the Duck Club. Are you willing to show up at 6:30 for a 7:30 meeting, or stay a little longer to help with merchandise sales? Do you have some experience writing receipts or taking payments? Fun, fast-paced work, teaming with our treasurer, and a good way to help the chapter.
CNPS Membership Application
☐ New member  ☐ Renewal
☐ Individual: $45
☐ Family: $75
☐ Plant Lover: $100
☐ Patron: $300
☐ Benefactor: $600
☐ Student/Limited Income: $25
[Organizations, please go to CNPS.ORG]
☐ Affiliate with the Orange County Chapter.
The chapter newsletter, CNPS Bulletin, and Fremontia are included. Membership is tax deductible, minus $12 for Fremontia. Make check payable to CNPS and send to: CNPS, 2707 K Street, Suite 1, Sacramento, CA 95816
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Signature ________________________________
Phone # ________________________________

Contact Information and Teams
Officers:
President Dan Songster 949 768-0431 songster@cox.net
Vice-President Laura Camp 949 370-3303 laurac@treeoflifenursery.com
Secretary Sarah Jayne 949 552-0691 shjayne@cox.net
Treasurer Brad Jenkins bradcjenkins@yahoo.com
Board Members:
Chapter Council Reps
At-large
Thea Gavin 949 496-9689 gavinfam@aol.com
David Pryor davidpryor@gmail.com
Jutta Burger jburger04@gmail.com
Bob Huttar huttarbob@cox.net
Dori Ito dorinthegarden@gmail.com
Celia Kutcher 949 496-9689 celia552@cox.net
Jennifer Mabley 949 855-2112 jenpod@gmail.com
Ron Vanderhoff ronv@rogersgardens.com

Membership Team:
Team Leaders: Dori Ito & Jennifer Beatty
Volunteer Coordinator: Diane Wollenberg
Outreach Coordinator: Jennifer Mabley
Hospitality: Sarah Jayne
Greetings: Dori Ito, Jennifer Beatty
Volunteer Recognition: Dan Songster
Programs: Dan Songster
Audio-Visual: Bob Allen, Dan Songster

Horticulture Team (Grow Native OC):
Team Lead: Dan Songster
Plant Sale: Dan Songster
Garden Tour: Mabel Alazard, Jennifer Beatty, Dori Ito, Sarah Jayne, Rama Nayeri,

Plant Science Team (Research OC):
Team Lead: Bob Allen
Rare Plants: Dave Bramlet, Fred Roberts
Interest Center: Bob Allen

Conservation Team (Protect OC):
Team Lead: Celia Kutcher
Invasive Plants: Henry DiRocco

Explore Team (Explore OC):
Team Lead: Ron Vanderhoff
Field Trips: Ron Vanderhoff
Field Trip Logistics: Rachel Whitt

Communications Team:
Team Lead: open
Publicity: Bob Huttar
Newsletter: Sarah Jayne
eNews: Laura Camp & Rachel Whitt
Publications: Jennifer Mabley
Website: Rich Schilk

Education Team:
Team Lead: Sarah Jayne
Educational Grants: Jutta Burger
School Gardens: Sarah Jayne

March/April 2016

FIRST CLASS MAIL