



NEWSLETTER OF THE RANCHO SANTA ANA BOTANIC GARDEN VOLUNTEERS

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**OAK NOTES**

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## FROM THE PRESIDENT

Cindy Walkenbach, Volunteer President

*"Volunteering is the ultimate exercise in democracy. You vote in elections once a year, but when you volunteer, you vote every day about the kind of community you want to live in."*

— Author Unknown

Recently the Board of Overseers, of which I am now an ex-officio member who proudly represents the Volunteer organization, hosted its second RSABG "new member welcome and orientation." We were pleased to host almost 40 folks who have become Garden members in the last couple months. This new project, ably coordinated by overseer Hester Bell, is designed to make new members feel welcome and to introduce them to the many facets of Garden life. The idea is, of course, that they will become long-standing members. My hope is that we will entice some to join our volunteer ranks. I led one group on a short walk in which I mentioned some of those fun facts we tell kids on the NI tours and then introduced them to the Game of Thorns exhibit. One young couple with a two-year-old in tow, mentioned that they were married five years ago in the Cultivar Garden under the pergola. For them, our Garden still holds special meaning and they were thrilled to learn more about what takes place here, especially the many opportunities for families. Another young woman reminisced about her days as a Claremont school student and nature trips here and told me she would love to volunteer on weekends. Yes! The "welcome" project is off to a great start.

The deadline for articles to be submitted for the April 2018 issue of OAK NOTES is Thursday, March 15. Thank you for your prompt submission!!



## FROM THE DIRECTOR

**Lucinda McDade, RSABG  
Executive Director**

### Hello Garden Volunteers:

As I write, we are experiencing quite cold weather for late February. You may already know that the vast majority of our plants can take a light freeze without much trouble. Exceptions are plants from the portions of Baja that we “claim” as ours here at RSABG (take note of the white-flowered plants in the sunflower family that grace the base of Silent Sentinel: they got a bit frost burned but will recover). In fact, this cool, partly cloudy weather is beneficial to our plants as it means that the soil does not dry out as rapidly and plants stay hydrated longer. Our horticultural staff breathe a giant collective sigh of relief on days like these.

Luckily, Family Bird Fest was on a beautiful day. Thanks to all of you who helped make the event a great success by volunteering. I am sorry that I missed it! Watching kids attempt the migration challenge is an endless source of enjoyment for me. Sure, for some it is just a romp but you can almost see light bulbs go on in the minds of others: *gosh but it is hard to be a bird!*

If you volunteered at (or otherwise attended) Bird Fest, you will have noticed the condition of the driveway area between the ramp and the east end of the building. Yes, we are doing another segment of paving, and my assessment (in consultation with others) is that this area needed it the most! I use the past tense there (*needed*) because I am writing this column late on the afternoon of the day that the paving has been completed. AND it is beautiful—beautifully smooth and far, far safer than it was before. I want you to know that Peter Evans, Director of Horticulture, worked closely with the pavers at various stages to make sure that they did exactly what we wanted them to do with respect to the edges of the driveway and to drainage (directing water where we want it to go), among other things.

Paving costs a *lot* of money, as I have learned. For the successful replacement of this part of the driveway around the Science & Administration Building, we have Roy and Janet Taylor to thank. The Taylors were here in the late 1990s when Roy was Executive Director for five years, and Janet, a plant scientist in her own right, worked right along with him. Roy passed away about five years ago and Janet left us two years ago. They were kind and generous to include RSABG in their estate plans. Although our share was not huge, it is enabling us to accomplish some much-needed improvements.

This is but one example of the importance of our planned giving program (<http://www.rsabg.org/plgiving>) that Anne Scott-Putney, Chief Advancement Officer, has worked so hard on. Be sure that your plans are in good order so that any resources you may leave behind will do exactly what you wish them to do as your legacy. Don't forget that volunteer Jeanette Henry's legacy rolls on every day: thanks to her bequest, we were able to purchase the Solar Roller! Thank you, Jeanette.



### A Very Happy March Birthday to:

Pauline Assarian	Skip Prusia
Lee Boss	Kathy Roth
Lisa Broderick	Gloria Slosberg
Charles Gale	Joan Sweeney
Ken Horner	Gabryel Steinmetz
Barbara Hughbanks	Sharon Thompson
Paul Mann	Sid Tice
Lynn Miller	Lee Waggener
Arlene Noreen	Hartmut Wisch
Cindy Pearson	

I must wrap up here as I am late in getting this column to the Gishes. My excuse is that, to my normal duties at RSABG, this semester I add teaching a major class to our graduate students. Many of you are teachers and well know what this means in terms of time in—and out—of class. It is wonderfully fun and rewarding, but this teaching entirely removes the concept of “spare time” out of my life for this semester. Let me get back to preparing my lecture for tomorrow.



## VOLUNTEER PROGRAMS

**Kathleen Noll, Manager of Volunteer Programs**

Volunteers, we are going to have a wonderful time enjoying all the Garden has to offer in our busy spring season! Please be sure to mark your calendars and stay tuned for the details. With every event it is a joy working together and sharing the Garden with our visitors.

**Weekend Wildflower Walks (NI's):** Saturdays and Sundays, March 24–April 29

**Poetry Day in the Garden:** Saturday, April 7

**California Wildflower Show:** Saturday and Sunday, April 14 & 15

**Senior Day at the Wildflower Show:** Monday, April 16

**Claremont Earth Day:** Sunday, April 22

**Butterfly Pavilion Opening Day:** Saturday, April 28

**National Public Gardens Day:** Friday, May 11

## Butterfly Pavilion 2018

The Butterfly Pavilion will attract school groups, families and thousands of visitors eager to explore and learn more about beautiful pollinators and their habitat from late April–July. As volunteers you have the opportunity help with the Garden's commitment to community enrichment and environmental education by volunteering in the Butterfly Pavilion. Are you available to help this year? Butterfly Pavilion sign-up sheets will be posted soon, and before the season begins; we are offering volunteer opportunities for regular weekly volunteers to join our “flight crew.” This butterfly season morning shifts (9:30 a.m.–12:30 p.m.) and afternoon shifts (12:30–3:30 p.m.) are available each day of the week. If you would like to be added to the Butterfly Keeper schedule on a weekly basis, or *think* you may enjoy a weekly shift and wish to reserve your day in advance, please email me at [knoll@rsabg.org](mailto:knoll@rsabg.org) or call (909)



## MEET BEVERLY JACK

**Public Relations Committee Co-Chair**

My name is Bev Jack. I have been volunteering at RSABG for the last 5 years. I have worked as a tram driver and volunteer for the special events throughout the year. I also have helped out with the Wine Walk and Beer Walk for the last three years. I have recently been asked to co-chair the Public Relations committee with Dorcia Bradley. We hope to extend the outreach this year by adding new events to raise the visibility of the Garden.

I am a California native and grew up in La Crescenta. This area was semi-rural at the time,

and one of my fondest memories was seeing a covey of quail in my backyard every morning. It remains my favorite bird, and I look for them when I walk the Thompson Creek Trail in the early morning.

I majored in music and education at UCLA and received my master's from ULV. I taught special education at Claremont High School for 20-plus years and then another 7 years part-time with the district. When I retired, the Garden was definitely on my volunteer list. The Garden gives me a great deal of pleasure, and I enjoy working with the staff, meeting new people and sharing the Garden with new visitors. What a fun way to spend my retirement!



625-8767, ext. 256. Butterfly Pavilion orientation will take place in mid-April (date to be announced). I look forward to working with you this spring!



## TOURING PROGRAMS

**Judy Hayami,  
Touring Programs Manager**

Thank you volunteers for the fantastic tribute to feathered friends! Bird Fest brought 578 guests to the Garden and inspired several new members. The weather was perfect, there were birds aplenty, and many of us were fortunate enough to spend some time observing an ovenbird in the Communities. Somewhere along its annual migration route from northeastern U.S., this bird missed a left turn toward Mexico! Spotted by just a handful of birders until the flock of admirers it attracted on Sunday, he or she has been vacationing at the Garden since the beginning of January. Many thanks to Wild Birds Unlimited for sponsoring Bird Fest, and for the knowledgeable team from Pomona Valley Audubon Society for sharing birdwatching tips and tallying bird species at each of the Great Backyard Bird Count stations.

Nature Interpreters, thank you for navigating tours and programs around irrigation installation and roadwork over the past month. I appreciate your keen ability to be flexible and think on your feet. Keep your eyes and ears open for information about additional projects planned for this year.

Weekend Wildflower Walks (WW) will begin on Saturday, March 24. There will be an orientation tour for Nature Interpreters interested in leading WW on Monday, March 19 at 10 a.m. The Walks are offered to garden guests, free with paid admission or membership, on Saturdays at 10 a.m. and Sundays at 1 p.m. from March 24 through April 29. Reservations are not required. WW are posted as Sign Up tours, so please claim a date, or two, or three.

Many thanks for all you do—in so many different ways!



## NOTES FROM ADVANCEMENT

**Anne Scott-Putney,  
Director of Advancement**

### Greetings, Volunteers,

It's the time of year when we are looking ahead to the first Sunday in May (May 6) for our lively spring fundraiser that so many of you contribute to and enjoy.

This year—drumroll—we've mixed it up a bit, taking the best of the elements of previous years and combining them with some new twists, starting with the name. This year's event is called



“Forever California” at our Garden with a View. What's new about this event besides the name?

Forever California will celebrate all that's great about the Golden State including:

- California wines and native plant infused beer
- California artists
- California adventures and experiences (outdoor, botanic, culinary, cultural, relaxing)
- California-made products
- California native plants and gardens, of course!!

Forever California will offer:

- online, silent and live auctions
- new table arrangements—rectangular tables for lively conversation
- farm to table menu
- The Secret Jazz Band—bring your dancing shoes or just sit back and enjoy the after-dinner music.

How can you get involved?

- Purchase your tickets online at [www.rsabg.org](http://www.rsabg.org) or by mail and bring your friends!

- Purchase a table and become a sponsor of the event or place an ad in our program using your business card or company logo.
- Donate an item in the California theme—just stop by with your item, and we'll help.
- Donate a bottle (or more) of California wine valued at \$20 or more! We are actively accepting wine donations for our popular wine pull that sold out last year—and you will receive a tax acknowledgement for your donation.
- Just stop by the Advancement office and we'll be happy to help with all of the above.

Also, coming up, please join us every Friday in March and bring your friends to Spiked Fridays in the Grove of Thorns! Thank you to volunteer members of the Public Relations committee for helping us to get the word out about this NEW event starting the first Friday in March. Come taste delicious concoctions made with the nectars of spiny, thorny and prickly plants, enjoy live jazz music with great company, and relax in the glow of the Grove of Thorns at night!

Volunteers, thank you for all that you do to enrich everyone's Garden experience. If we haven't met, please stop by our office when you are in the Garden; we look forward to meeting you!

—Anne

## VOLUNTEER ENRICHMENT

### Linda Clement, Volunteer Vice President

Have you ever wondered what it would be like to have a super power—just for a little while? On March 26, you can experience super vision when it comes to looking at plants and get a whole new perspective on the California flora. Join graduate student Andrew Siekkinen as your guide on a small journey to see plants in a whole new way, with super-focus on leaves, pollen, flower petals, or spines, allowing you to see them from the mite's perspective—but with better eyes. Andy will give you an introduction to RSABG's new scanning electron microscope, explaining how it works, showing images produced by students and staff, and then taking you into the lab to give you a microscopic tour of some interesting plant parts—including the *Hechtias* that Andy is studying for his graduate degree. You may even have a chance to sit

in the driver's seat and “fly” over a leaf or flower, zooming in to peer at stomates, closely inspect plant hairs, or admire anthers overflowing with pollen.

Andy started out by getting a master's degree in chemistry at the University of Washington and worked in nanotechnology. But after seeing the light about the wonders of plants, and becoming captivated by the diversity of the genus *Hechtia* (a bromeliad) in Mexico, Andy decided to pursue a degree in botany at RSABG to unravel *Hechtia* phylogeny using molecular methods—and some scanning electron microscopy.

Please join us on Monday, March 26, at noon, in the East Classroom. Coffee, tea, and cookies provided; feel free to bring your lunch if you wish.

## LOOKING BACK ...

### BIRTH OF A LIBRARY

Carol Lerew, Library Volunteer  
Photo courtesy of RSABG Archives



Susanna Bixby Bryant wrote in a 1927 letter to Dr. Willis Jepson, botanist at the University of California, Berkley, that “In planning my native garden it seems to me a reference library will be an important item, and I am anxious to have a complete list of all publications on California issued by the University Press.” He obligingly sent her an index that she immediately put to good use. Dr. Jepson was the dean of California botanists and the two had established a friendship that would serve them well in the following years. His “Manual of the Flowering Plants of California” completed in 1925 remained for many years the standard taxonomic work.

As nearly as can be determined from Susanna's correspondence, and an inventory of her personal library at the time, she had over 600 titles which

encompassed a wide selection of flora and fauna subject matter. Those selections included horticulture, plant diseases, floral arts, ecology, water, forestry, herbal medicine, fungi, pesticides, and many others. With help from several prominent botanists and horticulturalists, she established a comprehensive library in a relatively short period of time, adding to the collection at a steady pace through the years.

One of her major projects was to build a country home at Santa Ana Canyon (see photo). It was completed in 1928 and was used both as a residence and an Administration Building. However, the library remained in their San Marino home until spring of 1939. Fire was a concern, especially in an isolated locality. Susanna had a concrete room built at the Santa Ana residence. In the semi-annual report of that year she wrote “Before the October meeting we hope to have a fireproof book room where we can properly house, in the Administration Building, the 2,000 or 2,500 books and periodicals which comprise our present botanical library.” The room was ready in 1941 and over a six-month period the collection was moved from San Marino.

## BIRD FEST

Thanks to our wonderful volunteers who helped to make this year’s Family Bird Festival a fantastic day in the Garden. We welcomed 578 guests! Adding to the gorgeous weather were the splendid Early Bird Breakfast, live raptors, hands-on activities, The Great Backyard Bird Count and the excitement of the ovenbird sighting—It was a memorable day to be sure!

Special thanks to event sponsors Wild Birds Unlimited and Pomona Valley Audubon Society. This year we welcomed two new organizations to Family Bird Festival: Friends of the California Condors Wild and Free and International Bird Rescue.

Thanks goes to **everyone** involved with Family Bird Festival—this fun event really demonstrates our mission and we couldn’t do it without you!

—Judy, Diana and Kathleen

Because Susanna strongly felt that no botanic garden can function as a research institution without a comprehensive library, she wanted someone who could dedicate substantial time to the task. The job of selecting and purchasing books, maps, journals, catalogues, illustrations, personal papers, and periodicals, and organizing the collection fell to Philip Munz who responded with enthusiasm.

Dr. Philip Munz was trained as an entomologist, but upon his arrival at Pomona College he became interested in California flora. He established a strong undergraduate botany program and in 1935 his “Manual of Southern California Botany” was published, work that remained for many years a standard guide for the southern part of the state. In August of 1946 he assumed his duties as botanist at the Rancho Santa Ana Botanic Garden. Following Susanna’s sudden death in October of that year the Board of Trustees chose Dr. Munz as Managing Director to succeed her. The library remained one of Dr. Munz’s chief interests throughout his administration until his retirement in 1959.

Next time: The library at Claremont.

**Credits:** Aliso 9:1 (1977); Semiannual and Annual Reports, 1933-1952; RSABG Archival Box OR 1, Files 1.1-1.9; RSABG Archival Box OR 2, Files 2.1-2.5; Thank you to Irene Holiman, Library Specialist, and Gary Wallace, Research Associate, for their valuable information and guidance.

## CALIFORNIA FAN PALM (*WASHINGTONIA FILIFERA*) Rudi Volti, Nature Interpreter



After my brief dalliances with a couple of non-native trees (eucalypts and olives), it’s time to return to a native California tree. But it’s not a tree. The California fan palm, our only native palm, lacks bark, growth rings, and the cambium layer of true trees. One of the more than 2,500 species of palms in the Arecaceae family, it is more closely



related to grasses, bamboo, lilies, and onions than it is to trees.

Although we associate them with desert landscapes, palms require plenty of water. In arid environments, subterranean faults allow subsurface water to flow upward where it can be tapped by palms and other desert flora. A fault thus may be indicated on the surface by a line of palms stretching for a considerable distance.

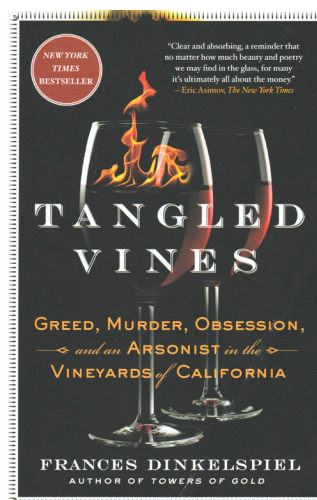
As with the laurel and olive, palms can have religious connotations. Jews celebrate Succoth by building booths that are typically covered with palm fronds. Christians mark Jesus' entry into Jerusalem through the distribution of palm leaves on Palm Sunday, the week before Easter. Remaining leaves are burned to supply ashes for Ash Wednesday.

Native Americans were more pragmatic in their approach to palms. The Cahuilla Indians consumed the fruit of California fan palms and wove the fronds into baskets and roofing. They also selectively burned trees to eradicate palm-boring beetles and to propagate more abundant crops of fruit while at the same time giving new seedlings better exposure to sunlight.

During the late 19th and early 20th centuries, immigrants from other parts of the United States were dazzled by palm trees, which they associated with sun, tropical beaches, and romance. As primarily desert plants, palms were not abundant in the rapidly growing Los Angeles region. Municipal governments rectified this shortcoming by planting large numbers of palms along streets and in public spaces, while real-estate developers added many more to the yards of private homes. California fan palms were prominent, but Mexican fan Palms (*Washingtonia robusta*), Canary Island date palms (*Phoenix canariensis*), and queen palms (*Syagrus romanzoffiana*) were also well-represented. Of particular importance was an aggressive planting program undertaken in anticipation of the 1932 Olympics. Beginning the previous year, the city put 400 unemployed men to work on a \$100,000 program to plant 40,000 Mexican fan palms alongside 150 miles of city boulevards,

This historical legacy is slowly being lost. A California fan palm has a typical lifespan of 80-90 years, so many are nearing the end of their lifetimes. Canary Island date palms are even more threatened, as the South American palm weevil and the fusarium fungus are taking their toll. Ironically, their demise comes at a time when they are in especially high demand. Las Vegas casinos have driven prices for Canary Island date palms to \$350 to \$500 per foot of trunk, to which can be added the costs of uprooting, trucking, and planting. Taking all expenses into account, a 15-foot Canary Island date palm might cost \$7,500, a queen palm \$1,500, and a Mexican fan palm \$1,000.

While palms are becoming more visible in Las Vegas, they are slowly fading away in Southern California. In 2006 The Los Angeles Department of Water and Power announced that it would not replace dead and dying palms, and would instead re-introduce native, drought-resistant native oaks and sycamores. If this happens on a widespread scale, Southern California will have lost one of its most evocative symbols.



## BOOK OF THE MONTH Gene Baumann, Volunteer Library Committee

*"Tangled Vines" by Frances Dinkelspiel. 301 pages, St. Martin's Griffin, New York, 2015.*

Although a bit of a departure in terms of subject matter, readers will gain a greater appreciation of local history from reading Dinkelspiel's intriguing and often alarming book. This New York Times Bestseller is written by the great-great granddaughter of Isaias Hellman who played a significant role in local winemaking. It will be familiar to Claremont residents as being a recent selection for On The Same Page Community Read.

"Tangled Vines" is the story of local land use and development as it charts the history of wine from

the late 1700s to the present day in the area that comprised the original Mexican Land Grant of Rancho Cucamonga. This area was once the largest in America devoted to winemaking. Abundant sunshine, porous soil and a water table which required deep root development combined to make excellent Port and Angelica wines.

A tangled web (vine) of greed, murder, obsession and arson combine to convey the deep history of our local area. Fortunately, it is also a history of gifted and dedicated pioneers who were devoted to the land and its resources. Our area is clearly shaped by their legacy and names including: Tapia; Hellman, Thomas, Filippi, Guasti and many others.

This is a very good read and is available in the Volunteer Library.

## MANZANITA LEAF GALL

**Fred Brooks, Nature Interpreter**

Bright red galls recently appeared on leaves of several manzanita plants at RSA (Fig. 1). They were created by aphids, small soft-bodied insects that suck sap from the plants' phloem. The galls distort the leaves, but seldom cause severe plant growth problems.



**Figure 1.**  
New galls formed by plant-parasitic aphids on leaves of a manzanita.

Life cycles of the manzanita leaf gall aphid (*Tamalia* spp.) and oak gall wasp (see Oak Notes, January 2018) are similar.

They both have a warm season asexual and a cool season sexual cycle, produce galls as safe feeding sites for their young, and share their galls with non-gall-forming invaders called inquilines.

The asexual cycle begins in the spring when the female hatches from an egg laid the previous fall. The egg helps the vulnerable aphid survive harsh weather conditions. The hatched female feeds on the edges of succulent new leaves, causing them to swell. Initially, the gall is open and readily invaded by non-gall-forming female inquilines. As the gall closes around the feeding females, they give birth without mating (parthenogenesis) to live larvae. After about one

month the gall dries, splits, and the larvae emerge, molting for a fourth and final time into adults.

The sexual cycle is usually stimulated by cold weather. Adult females produce galls containing winged adult females and males. When released, the winged insects mate and fly to new feeding sites. The females lay eggs at the base of a plant, completing the life cycle.

In California's mild climate most aphids reproduce asexually throughout the year. Though *Tamalia* species are seldom a problem on manzanita, other aphid species can be devastating in the landscape. A single female gives birth to about 80 live young per week, most of which are females that can reproduce asexually in about 7 to 10 days. Many home gardeners have lost plants to their exploding populations.



## VOLUNTEER QUARTERLY LUNCHEON AND BUSINESS MEETING

Join us on Friday, March 9, 2018 at 11:30 a.m. in the Lantz Outdoor Classroom for our luncheon and business meeting. Our theme is "If you have a garden and a library you have everything you need!" This will be another "good luck/potluck" event, so there will be no sign-up sheets—just bring your favorite appetizer, main dish, side dish or dessert. You will be able to hear the latest news about what's happening in the Garden, meet new volunteers, and reconnect with old friends. The tram will begin at 11 a.m. We look forward to seeing you all.

**—Hospitality Committee**



# MARCH CALENDAR

## Classes, Meetings and Workshops

**March 1:** Volunteer Organization Board Meeting, Thursday, Noon–1:30 p.m., East Classroom

**March 2:** Spiked Fridays in the Grove of Thorns, Friday, 5:30–8 p.m., Cultivar Garden

**March 3:** Free Admission Day!, Saturday, 9 a.m.–5 p.m.

**March 3:** Garden Walking Club, Saturday, 8 a.m., Admission Kiosk

**March 3:** GNN Celebrating Spring Plant Sale, Saturday, Grow Native Nursery; 9 a.m.–4:30 p.m.

**March 4:** Pomona Valley Audubon Society Beginner's Bird Walk, Sunday, 8–9:30 a.m., Admission Kiosk, FREE!

**March 5:** Volunteer Library Committee Meeting, Monday, 10:15–11:45 a.m., Volunteer Library

**March 6:** Volunteer Public Relations Committee Meeting, Tuesday, 10–11 a.m., Volunteer Library

**March 9:** Volunteer Quarterly Business Meeting and Luncheon, Friday, 11:30 a.m.–1:30 p.m., Lantz Outdoor Classroom

**March 9:** Spiked Fridays in the Grove of Thorns, Friday, 5:30–8 p.m., Cultivar Garden

**March 10:** Garden Walking Club, Saturday, 8 a.m., Admission Kiosk

**March 10:** Workshop—Organic Art with Sama Wareh, Saturday, 10 a.m.–noon; pre-registration required; \$20 members.

**March 11:** Daylight Savings Time starts

**March 14:** Education Materials Work Party: Wednesday, 9–11 a.m., Lenz Horticulture Classroom, everyone welcome!

**March 16:** Spiked Fridays in the Grove of Thorns: Friday, 5:30–8 p.m., Cultivar Garden

**March 17:** Family Bird Walk—Wild Birds Unlimited, Saturday, 8 a.m., Admission Kiosk, **Free!**

**March 17:** Garden Walking Club: Saturday, 8 a.m., Admission Kiosk

**March 17:** GNN Workshop—Habitat Gardening for Birds, Animals and Pollinators, Saturday, 10 a.m.–noon; pre-registration is required; **Free!**

**March 18:** Workshop, Color All Around: Dyes and the Plants that Make Them with David Bryant, Sunday, 10 a.m.–3 p.m., Lantz Outdoor Classroom; pre-registration is required; \$40 members.

**March 21:** Volunteer Personnel Committee Meeting, Wednesday, 9:30–11 a.m., Volunteer Library

**March 23:** Spiked Fridays in the Grove of Thorns, Friday, 5:30–8 p.m., Cultivar Garden

**March 24:** Garden Walking Club, Saturday, 8 a.m., Admission Kiosk

**March 24:** Class—Episodes in the History of Permafrost, a talk with local environmental historian, Dr. Pey-Yi Chu, Saturday, 3–5 p.m.; pre-registration is required; \$5 members.

**March 25:** Medicinal Plants of California Herb Walk, Sunday, 10 a.m.–1 p.m., pre-registration required; \$25 members.

**March 26:** Education Materials Work Party: Monday, 9–11 a.m., Lenz Horticulture Classroom, everyone welcome!

**March 26:** NICE Walk (Nature Interpreter Continuing Education, Monday, 10–11 a.m., admission kiosk. All volunteers welcome!

**March 26:** Volunteer Enrichment, Monday, noon–1 p.m., East Classroom

**March 26:** Visitor Education Committee Meeting, Monday, 1–2:15 p.m., Volunteer Library

**March 30:** Volunteer time cards due, Friday, 8 a.m.–5 p.m.

**March 30:** Spiked Fridays in the Grove of Thorns, Friday, 5:30–8 p.m., Cultivar Garden

**March 31:** Garden Walking Club, Saturday, 8 a.m., Admission Kiosk

**March 31:** Class—Rules of the Game (of Thorns), How plants defend themselves and fight back! Saturday, 9 a.m.–noon; pre-registration is required; \$15 members.



NEWSLETTER OF THE RANCHO SANTA ANA BOTANIC GARDEN VOLUNTEERS

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Place  
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