



University of California Cooperative Extension

Master Gardener Program of Riverside County

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Advice to Grow By ... Ask Us!
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UC Master Gardener Program Mission Statement

"To extend research-based knowledge and information on home horticulture, pest management, and sustainable landscape practices to the residents of California and be guided by our core values and strategic initiatives."

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Spring is Here!?

Master Gardeners - Back in Their Gardens!

Garden Views is published bi-monthly by
Riverside County UC Master Gardeners. In this issue:

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County-Wide Master Gardener Celebration

Contributed by Pam Elias, Jim Thompson, and Jane Payne, UCCE Master Gardeners

A beautiful snowy landscape greeted us as we traveled to “The Lodge at Four Seasons” in Beaumont to celebrate 43 years of our the UCCE Master Gardeners of Riverside County Program on Sunday, February 26.

Our first County wide occasion in three years, we had a wonderful turnout at this recognition event to congratulate our fellow Master Gardeners for their dedicated service. We were excited to have guest speakers, Janet Hartin and Missy Gable. Both speakers expressed their gratitude for all the extensive work by our volunteers.



Janet Hartin, UCCE Riverside Master Gardener Program Director, oversees our Master Gardener training program, saluted our volunteers.

Missy Gable, Director of the State UC Master Gardener Program, spoke by video to honor our 43 Years of impactful and transformational work. Her message also recognized the dedicated service and impact of our volunteers. Gable recently received the “Distinguished Early Career” Award from the National Extension Master Gardener Conference.

Desert Chair **Jim Thompson**, West County Chair **Dave Brandtman**, and Volunteer Services Coordinator **Rosa Olais** provided opening remarks and announcements. Thompson announced the UC Master Gardeners of Riverside County exhibit won first place, a blue ribbon award, at the Riverside County and National Date Festival. Dave and Jim announced the winners of the Cathy Konyn



Memorial, **Pam Clarke** and Carolyn Daniels. This memorial award is given annually to individuals selected by UC Master Gardeners of Riverside County who exemplify for their broad and long-term dedicated service. Pam Clarke spoke about how grateful she was to receive the award. Carolyn's son attended the event and posthumously accepted her honorarium. He spoke about his mother's passion for gardening, youth, and the Master Gardener program.

After lunch our Chair Elects, **Melody Knox**, and Brad Hardison, presented several volunteers with service pins and



awarded numerous certificates to special volunteers recognized by their Project Coordinators.

Kathy Miller receives her certificate.



Thurman Howard was hailed for his commitment and service for his incredible 10,000 volunteer hours.



Master Gardener, Jane Payne, also a member of the Temecula Valley Garden Club (TVGC), introduced representatives from TVGC who presented the UC Master Gardeners of Riverside County Program a \$1,000 donation. Thanks to

the efforts of Jane Payne the TVGC donation was provided in memory of **Christine Curtis** for her support in guiding and growing the Master Gardener School Gardening Program. In the first six months of this academic year the Youth Gardening Program served 2,113 students and faculty through 74 events with 88 volunteers. Members of Christine's family were invited to this event to celebrate this presentation. We would like to thank the TVGC for the donation in Christine Curtis's memory to carry-on her passion to help the youth of Riverside County.



West County Past Chair **Darrylyn Erickson** with **Yvonne Wilczynski** presented our Volunteer Services Coordinator,

Rosa Olaiz, a card and special gift on behalf of the Master Gardeners for all the work she does for supporting our program and its volunteers. Thank you, Rosa!

A big thank you to all our volunteers who worked on making this special event memorable and enjoyable for all 88 Master Gardeners and their guests!

Blue Ribbon Award Winners!

Contributed by Jim Thompson, UCCE Master Gardener

Desert Area UC Master Gardeners of Riverside County won a first place Blue Ribbon for their educational booth at the recent 74th Riverside County Fair and National Date Festival, held February 17-26, 2023 at the county fairgrounds in Indio. The Master Gardener booth featured six different educational topics—citrus, composting, drought, native plants, plumeria, and school and children's gardens. Volunteers answered the public's gardening questions with science-based horticultural information and provided updates about upcoming UC Master Gardeners of Riverside County events and classes. (See photo below)



Jane Payne, Kim Coons-Leonard, Brad Hardison, Chris Curtis' cousin and brother, and CVGC friends \$1,000 donation presentation



After these presentations, Desert Past Chair **Smoky Zeidel** drew winning tickets for donated plants and gardening supplies.





Jim Thompson celebrates 1st place Blue Ribbon Award.

Please Note Dates! April 1 and 2



UCCE Riverside County Master Gardener Grow Lab Plant Sale

We have a large selection of Spring flowers, herbs and vegetables grown by Master Gardeners, without any pesticides or herbicides. Get handmade garden crafts, gardening information and learn how to make compost.



**Saturday, April 1 & Sunday, April 2
Time: 9am - 1pm**

Buy 5 plants, get the 6th for FREE! We accept Cash or Checks

Directions: Enter the Grow Lab from the back alley (behind the house @ 3555 Crowell) off Diana Street. Park along the east side of the alley along the wall. No parking allowed on the west side of the alley.

Celebrating a Renaming at the 1000 Palms Oasis

Contributed by Marcia Stone, UCCE Master Gardener

The Thousand Palm Oasis and Coachella Valley Preserve are the homeland to Agua Caliente Band of Cahuilla Indians. For years Ginny Short, manager of the preserve, worked toward changing the name of an important geological feature occupying the Eastern section of the preserve. Dating back, probably as early as non-native settlers occupied the Coachella Valley, this important land feature was referred to as Squaw Hill. By modern standards this name carried with it a negative connotation. The preserve manager and volunteer docents would explain to visitors that Squaw Hill was the name that appeared on early valley maps and “codified” in 1981 by the Board of Geographic Maps. This wasn’t accepted by Ginny Short who looked toward change.



Ginny Short, preserve manager, addresses guests as Reid Milanovich, Tribal Council Chair, and Congressman Raul Ruiz look on.

She began by researching the process for renaming features listed on the U.S. Geological Survey. The hill is believed to be the site of an ancient Cahuilla village. This made it necessary to work with the Agua Caliente Band of Cahuilla Indians. The tribe welcomed Ginny’s efforts to

restore dignity to this sacred site. The process took time. The tribe recommended, *Mumawet* meaning “great hill” in Cahuilla. The partnership between the preserve manager and the tribe resulted in the acceptance of the recommended name by the Department of the Interior.



Two cultural artifacts, an olla and pipe, found in the sand at the preserve were returned to the Aqua Caliente people at this celebration.

The celebration day was bright and clear. Majestic *Washingtonia filifera* stood proudly against the rising land, welcoming guests to the Thousand Palm Oasis and the homelands of the Aqua Caliente Band of Cahuilla. A sense of reverence could be felt as the synchronized rhythm of rattles and voices filled the air, the Cahuilla Bird Songs. The Bird Songs tell the story of the roots of the Cahuilla people and their journey to find their land, their home, a sacred place.



Bird Singers and Dancers keep an oral tradition alive and tell the story of the Cahuilla people and lessons learned during their migration to this valley.

The dedication ceremony, held on February 18th, was attended by tribal members, politicians, friends of the preserve, and Master Gardener volunteer docents. Clearly the message of the day was one of coming together to reclaim dignity. Those attending the renaming were invited to walk the land, to celebrate, and to recommit to preservation.

The Desert Area Riverside Master Gardener maintains a docent volunteer at the Thousand Palms Oasis. For information contact Marcia Stone at mjstone.cal@gmail.com.

“Ask a Master Gardener” Desert Helpline

Contributed by Ralph Thompson, UCCE Master Gardener, Desert Helpline Coordinator

“Can you provide any recommendations for a low water or native plant that hummingbirds love in this amazing desert environment? I have a drip line irrigation, and looking for a hummingbird friendly plant to live just outside a window. See attached photo. There are 3 drips in this area. One is where the fountain grass is currently; the other 2 are next to the large rocks for now.”

Sincerely,
Mark



Hello Mark,
Thank you for contacting the Desert Helpline with your question.

Hummingbirds are not just pretty and fascinating to watch; they are also an integral segment of our pollinator population and are voracious mosquito and insect hunters. Thank you so much for wanting to support our pollinator population.

There are several options for your garden space. One key consideration as you make your choice is whether the pictured area is shaded, partially shaded, or in full sun. If the window is facing south, it will receive full sun in the winter and be partially shaded in the summer; conversely, if facing north it will be in full shade during the winter and either full or partial sun in the summer. East will receive morning sun and afternoon shade; while west facing will receive the full brunt of our afternoon sun and heat.

If you want to go 'native,' I recommend checking out the <https://calscape.org/> website. It is developed and hosted by the California Native Plant Society. The CalScape site will provide a list of plants native to your specific location and organized by type, sun tolerance, water needs, etc. Hummingbirds will find virtually any plant with a flower shown, but some favorites are Desert Lavender, Chuparosa, Brittlebush, and Buckwheat. There are so many options.

Another go-to for desert plant research is CVWD's Lush & Efficient publication. The publication is available as a PDF: <https://cvwd.org/DocumentCenter/View/813/2006-Lush--Efficient-Revised-Edition-PDF> and as an online webpage: http://web.cvwd.org/conservation/lush_book/index.html. You can obtain a hardcopy from the CV Water District office (or order it online). It's an excellent resource for identifying water-wise and climate friendly plants. And it's loaded with tons of full-color pictures and helpful information on desert landscape, irrigation, and plant care. You cannot search by plant characteristics; but plant entries are keyed for sun exposure, so it is easy to page through looking for the 'sun' icon. I suggest paging through the Lush & Efficient Shrubs chapter. Plants that are hummingbird magnets and should do well include Desert Honeysuckle, Tecoma Stans, Little John Bottlebrush, and Mexican Bird of Paradise. And there are many other options.

I hope this has been helpful. Please contact us again if you have further questions.

Volunteer Kudos



Volunteer: Bill Floyd

Project: West County Remote Help Line

Contributed by MG Project Coordinator:

Jane Payne

Knowledge & Experience: Bill was hooked on gardening since he had an after-school job with a nursery while in high school. He became a Master Gardener in July 2013 after a career as a lawyer and arbitrator. He was his trainee class's representative to the Advisory Board and was given the Outstanding Trainee Award. Bill was the Project Coordinator for the Speakers Bureau and Social Media/Public Relations Team, where he established the West County eBlast and earned his Gold Badge for volunteering 1,000 hours.

Quality Advice: Bill's responses to inquiries are the overall best from a researched and well-written perspective. He clearly describes the situation and adds links to further information. I haven't seen a question that he couldn't answer!

Going Above and Beyond: In January of 2020, Bill began volunteering regularly on the Remote Help Line, giving almost 300 hours answering emails and voicemails.

Dependable: Bill has never missed a shift or forgotten to do a part of the job. His professionalism comes across in working with him. I can count on him and never think twice when he's scheduled to work.

Stay tuned for next Garden Views issue with a new update on the Desert Grow Lab at UCR Palm Desert!

Volunteer Kudos



Volunteer: Steve Scott

Project: Palm Springs Animal Shelter (PSAS) Landscape Revitalization Project

Contributed by MG Project Coordinator: Jan Seaman

Knowledge & Experience:

Becoming a Master Gardener in 2022, Steve Scott quickly became a key volunteer in the Landscape Revitalization Project for Palm Springs Animal Shelter. Veteran Master Gardeners toured the facility and realized that before the landscape could be revitalized to its original glory, a great deal of catching up was needed to clear weeds and dead plants and become familiar with the original landscape and irrigation system. Steve Scott, a retired physician joined this team. He took on the huge task of using the site's landscape irrigation plans to develop a work plan to revitalize the 11-year-old system, working with professional irrigation experts and enlarging plans.

Going Above and Beyond:

Steve, in true Master Gardener fashion, includes other MGs with interest in irrigation in his thinking and work planning. While this work is difficult and slow-paced, building a team of similarly dedicated folks shows quicker results.

Dependable

Not only is Steve Scott dedicated to this difficult revitalization project, but he also comes to the site on days other than calendared workdays. Hopefully the shelter will be able to re-establish an on-going maintenance service for the property, so Master Gardeners can be free to educate the public, propagate plants for the landscape, and restore this beautiful property.

Master Gardeners Celebrate These New Riverside County Recognition Awards! March 2023

1000 Hours Gold Badge

Janet Seaman

750 Hours Pruner Pin

Lisa Wright

500 Hours Watering Can Pin

Cesar Lopez Barreras

250 Hours Gardeners' Trowel Pin

Jonathan Cook

Buddy Knoles

100 Hours Bumble Bee Pin

Dee Kongsli

(April Recognition Hours will be in the next issue of Garden Views.)

**Congratulations to
Thurman Howard for 10,000
Hours!**

10 Butterfly Facts

Contributed by Ann Platzer, UCCE Master Gardener

(1) Where did butterflies come from?

Butterflies & moths appeared about 300 million years ago when the first flowering plants, the angiosperms, radiated.

(2) What are the differences between butterflies and moths (Order: Lepidoptera)?

Butterflies and moths are an evolutionary related group of insects called Lepidoptera. Many butterflies are very colorful, and almost all butterflies are active exclusively during the day. In contrast, most moths are fairly drab-colored and are active at night. The butterfly's antenna usually ends in a well-defined club, whereas the

moth's antennae are thread-like and feathery. The butterfly's body is generally slender while moth's body is usually quite robust. Resting butterflies usually have their wings folded above the body and against each other, while moths generally have their wings spread flat.

(3) How many butterfly species are there?

There are about 17,500 species worldwide, 700 species in United States, 170 species in southern California, and 140 species in Riverside County.

(4) What is the length of the four developmental stages in the life cycle of butterflies?

The egg stage is 4 to 10 days; the larva (caterpillar) stage is 3 to 4 weeks; the pupa (chrysalis) stage is 10 to 20 days; and the adult stage generally is 10-20 days. Therefore, complete metamorphosis will take approximately 40-50 days. The moment as a beautiful adult is usually brief, perhaps only 2-3 weeks. The adult stage can vary greatly among species. For example, the adult life span of some butterfly species seen in Riverside County is: Western Pygmy Blue (smallest U.S. butterfly) only 5-7 days; Giant Swallowtail 6-14 days; Cloudless Sulfur 2-4 weeks; Gray Hairstreak 3-4 weeks; and Gulf Fritillary 4-6 weeks. But at the other spectrum, the adult Pale Swallowtail lives 6 months and the Mourning Cloak as long as 10-11 months.

(5) Where do butterflies sleep during the night.

At night, or during inclement weather, most butterflies perch on the underside of a leaf, or crawl into a crevice such as in rocks.

(6) Where do they overwinter and in what stage?

Butterflies are rarely seen on cold and/or overcast days because they are cold blooded and need the sun to keep their bodies warm enough so they can fly. In areas where temperatures drop below freezing during part of the winter, at least one stage in a butterfly species' life cycle must be resistant to freezing if the species is a resident. Most butterflies that live in cold climates spend the winter as larvae, while almost as many spend the winter as

pupae. A few species, such as Tortoiseshells, Painted Ladies, and Buckeyes, spend the winter as adults hiding in holes in trees, etc. Very few species, such as the California Hairstreak, spend the winter as eggs on twigs of trees.

Females can lay more eggs when it is warm. Warm habitats enable eggs and caterpillars to develop more rapidly, sometimes up to fifty percent faster. Since Riverside County is normally warm, butterflies that produce a number of broods per year, such as the Giant Swallowtail, Gulf Fritillary, Cloudless Sulfur, Monarch, Mourning Cloak, Buckeye, Painted Lady, and Fiery Skipper, are seen all year long, **but** only as long as their host and nectar plants are available. However, many adults only live less than a month. Females must lay eggs before they die so a new generation will replace them. Butterflies that lay only one litter per year such as the Tiger Swallowtail will not be seen all year since its life cycle is usually about two months.

(7) What are the host plants for butterflies?

Each butterfly species has one or more genus of plants that their caterpillars will eat. Butterflies, for example the skippers, with many host genera such as peas, mallows and oaks are common in many habitats. In fact the larva of the painted lady eat more than 20 families of host plants. But butterfly larvae that eat only **one host genus**, usually live in restricted a habitat. For example, the Monarch eats only milkweed plants (the *Asclepius* genus); the Cloudless Sulfur eats only Cassia genus; Pipevine Swallowtail eats only Pipevine (*Aristolochia* genus); and California Dogface eats only False Indigo (*Amorpha* genus)

(8) What do adult butterflies eat?

Most adult butterflies drink nectar from flowers through their tongues, which act much like straws. The minority of butterflies almost never nectar on flowers. For example, the Red Admirals love to eat fermented fruit. The Mourning Cloak prefers willow sap, while other butterflies prefer rotting animal matter.

(9) Do Butterflies have any enemies? Most predators of butterflies are other arthropods. Butterflies are attacked at every stage of their life cycle by praying mantis, lacewings, ladybird beetle nymphs, assassin bugs, beetles, wasps, ants, and spiders. Adult butterflies are also eaten by vertebrate predators such as birds, lizards, frogs and mice. This predator-prey interaction is part of nature's balancing act. It prevents population explosions. Scientists estimate that only 2 eggs from each female butterfly survive to become adults even though a female may lay 100's of eggs during her lifetime. If more than 2 progeny survived there would be a population explosion; if less it could mean extinction.

(10) What are some common butterflies seen in winter in Riverside County?

Some commonly seen butterflies in our area include the Cabbage Butterfly, Cloudless Sulfur, Tiger Swallowtail, Mourning Cloak, Painted Lady, Gulf Fritillary, Gray Hairstreak, and various Blues and Skippers.



Cloudless Sulfur



Mourning Cloak



Painted Lady



Western Pygmy Blue

Name That Butterfly!

1. Butterfly that overwinters as an egg
2. Butterfly that overwinters as an adult
3. Caterpillar that only eats one host genus
4. Longest living butterfly in United States – 11 months
5. Smallest butterfly in United States
6. Largest butterfly in United States
7. Butterfly that eats the largest family of host plants

(Answers on page 14!)

75TH ANNIVERSARY

Diamond Jubilee Festival of Flowers

Saturday & Sunday, April 29 & 30

FREE FLOWER SHOW • 9 AM - 5 PM
ELKS LODGE, 6166 BROCKTON AVE, RIVERSIDE

GARDEN TOUR • 9 GARDENS • 10 AM - 5 PM

TICKETS \$10
Children under 16 Free with paying adult

SUBMIT AN ENTRY TO OUR FLOWER SHOW FOR FREE!
Accepting entries Friday only • 4 to 8 pm

FREE Flower Show Seminars Include:

<p>Saturday, April 29</p> <p>10 am INTRODUCTION TO PERMACULTURE Susan Krings, Master Gardener</p> <p>Noon TREEPEOPLE'S EASTSIDE GREENING PROJECT Bryan Medina, TreePeople</p>	<p>Sunday, April 30</p> <p>10 am ENLIVENING & KEEPING BUTTERFLIES IN YOUR GARDEN Kathy Swanson, Master Gardener</p> <p>Noon GARDENING WITH WILDLIFE & POLLINATORS Christine Lampe, Master Gardener</p> <p>2 pm THE IMPORTANCE OF ORGANIC MATERIAL & CARBON IN ORNAMENTAL PLANTS Scull Berndt, Urban Farmer</p>
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Don't miss our Garden Fair at the Flower Show!

Riverside Community Flower Show & Garden Tours

Find Ticket Sellers Here:
or go to: www.RiversideFlowerShow.com
Facebook/RiversideFlowerShow • 951-850-8277



Valley View High School Garden Update

Contributed by Kim Coons-Leonard, UCCE Master Gardener

What does it take to establish a school garden? A determined teacher with administrative support, committed students willing to invest their time and sweat equity, and funding to provide the necessary resources. Valley View High School in Moreno Valley Unified School District illustrates how all these components came together to create an exemplary school garden program.

Let's begin with science teacher, Jassue Kutz, who serves as advisor to the school's Eco Club.

Her students wanted to contribute to the improvement of the environment. While they had done some projects for global environmental causes, Mrs. Kutz challenged them to look in their own backyard, in this case the school campus, to make a difference. The Eco Club saw great potential in a walled, neglected dirt, and weed area. They envisioned and developed plans for a vegetable and flower garden that could grow food to share and serve as an inviting outdoor area for all students and teachers.

In the winter of 2022 school administration provided funding for container beds for the area. However, it became clear that more funding would be needed for soil, fruit trees for a “food forest,” and secure storage for garden supplies. The ever-determined Mrs. Kutz, working with the Eco Club, began researching and applying for school garden grants. It was this effort that ultimately connected Valley View High School to our school garden program when a San Diego County grant program reviewer suggested that Mrs. Kutz and the Eco Club reach out to Riverside County Master Gardeners for guidance.

The timing was kismet as our school garden program had just received a generous \$3,000 donation from the **Inland Empire Health Program** to use for the establishment and/or development of school gardens serving low-income students across the county. Our School Garden Committee was impressed by the initial efforts Valley View made to begin their garden and confirmed the school met the Inland Empire Health Program criteria. So, it was agreed Valley View High School would be the first recipient of this grant funding, and we would provide \$600 for a shed that the Eco Club indicated was a top priority. This also provided funding flexibility for the club to purchase fruit trees and soil.

The shed was purchased in late spring and a small team of students joined Mrs. Kutz and her husband to construct it during summer break. What a difference the shed made for this school garden! It’s a secure building large enough to

store three wheelbarrows, all garden tools, and planting supplies.



Proud Eco Club members who helped construct the shed stand with their teacher Jassue Kutz, far right. Below, inside the shed.



Challenges continue for the development of the garden. School scheduling changes have affected how frequently the Eco Club can meet to work on their garden. But the students and their teacher persevere, packing a lot of work into their one or two garden sessions per month. Sessions are organized and led by the club’s President Daniel Plimley and Vice President Alexis Cerna with anywhere from 25-40 Eco Club members attending based on their schedules’ availability. The “Teams” chart below is an example of tasks being tackled and assigned at a recent club session.

Teams		
Composter Construction	Grow Light Construction (Daniel)	Weeding/ Path-Planning
Fence Construction (Mrs. Kutz)	Greenhouse Construction	Seedling Planting (Carlos)

With much pride in what they have already accomplished, the Eco Club and their teacher persevere to complete their vision of a garden that can provide food and a welcoming area for the students and staff of Valley View High School. Both the Eco Club and the Riverside County Master Gardeners are extremely grateful for the funding provided by the **Inland Empire Health Program** making it possible for this school to move forward with their garden plans.



Desert Home Gardening Class to Expand Offerings

Contributed by Smoky Zeidel, UCCE Master Gardener

After successful Home Gardening classes in both the fall of 2022 and spring of 2023, Desert Home Gardening Class Coordinator, Smoky Zeidel noticed something. Participants loved the classes, but they wanted more. Or, they wanted less.

They wanted more but of different things. Some participants want to know a lot more about growing vegetables, while other gardeners just want to know how to grow a perfect rose. Others are intimidated by their watering systems and want in-depth help in how to install the correct system for their needs.

Or, they wanted less. "I'm just not that interested in palms," one participant wrote on their course evaluation, while another wrote, "More on palms, please!"

How is a class coordinator to please everyone? Clearly, an advanced home gardening class was not the way to go. Participant course evaluations indicated participants don't want to pay for a multiple-subject, four-week workshop when they are interested in only one or two of the topics being covered.

The answer? Desert Home Gardening Workshops, each of which will cover only one topic but much more in-depth than what is offered in the current Desert Home Gardening Class.

To date, workshops are being developed on permaculture basics, growing microgreens, growing vegetables in the desert during the blazing heat of summer, and installing drip irrigation systems. These will be hands-on workshops where participants build a simulated watering system and plant microgreens to take home, confident in the knowledge they will be able to grow them to harvest. They will learn what vegetables can thrive in 110+ degree heat and how to research heat-tolerant vegetables.

Plant Sale
Native Pollinator Plants
Saturday, April 8, 2023 • 9 am - 2 pm

Planting natives in your garden

- saves water
- attracts birds and butterflies
- lowers maintenance.

Cash only. Sales benefit the native plant nursery and education programs.

For more information:
(951) 683-7691 ext. 218 or scic@rcrcd.org

11875 Indian Truck Trail
Temescal Valley, 92883

Limited parking. Walk, carpool, or use shopping center for overflow.

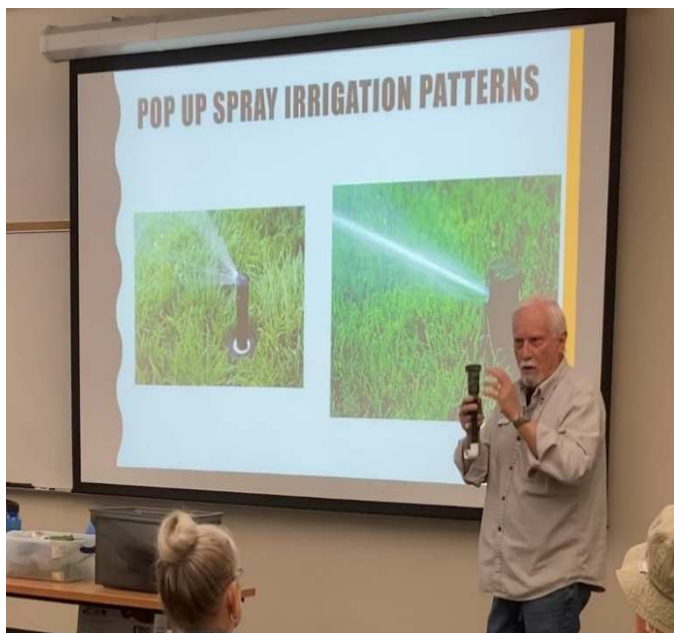
Sycamore Creek Interpretive Center
RCRCD
Riverside-Corona Resource Conservation District

Sycamore Creek Interpretive Center is one of three educational sites of the Riverside-Corona Resource Conservation District (RCRCD).

The sky is the limit as far as course offerings are concerned. If it is relevant to gardening in the unique environment of our low desert, we are interested in doing a workshop and sharing our expertise with our community.

Of course, the regular Desert Home Gardening Class will continue to be offered twice a year. The name, however, will change to Desert Home Gardening Basics, so participants know from the get-go that it is just that—basic.

If you are a Desert Master Gardener interested in presenting a workshop, please contact Smoky Zeidel at smokyzeidel@gmail.com.



Burt Boss explains to the Home Gardening Class how pop-up spray irrigation works.

Need an idea for a gift for a friend or family member or neighbor in West County?

Home Gardening Basics Classes in Riverside! Saturdays, 5/6, 5/13, 5/20 2023 9:00 AM-1:00 PM

Contact: grennemg@gmail.com

(See info on right.)



**UCCE Master Gardeners of Riverside County Announce
"Planning and Planting for Success"
May 2023 Workshops for All Home Gardeners!**



These workshops are offered in three sessions on Saturdays in May 2023 from 9:00 am-1 pm in person in Riverside.

- Cost for the 3 sessions is \$50*, including all materials.
- Class size is limited to 30.
- **Registration Deadline: April 17, 2023.**
- For more information or how to register, contact: Georgia Renne, HGB Coordinator, at grennemg@gmail.com.

"Planning and Planting for Success" Southern California Style!

Session 1: Saturday, May 6, 2023

- ❖ How to Go from Grass to Garden: Basic Design
- ❖ Balance in the Garden

Session 2: Saturday, May 13, 2023

- ❖ Small Space Gardening
- ❖ Poisonous Plants and Pet-Safe Gardening
- ❖ Herbs and Spices of the World

Session 3: Saturday, May 20, 2023

- ❖ CA Native Plants Break the Rules
- ❖ Project Planning to Build Your New Garden
- ❖ Big Ideas from Planning and Planting for Success

**The tuition covers expenses and supports the UCCE Master Gardener Program. UCCE Master Gardeners are volunteers and are not paid for their time. Topics subject to change.*



Janet's Jottings
Janet Hartin

I am excited that our new UC ANR publication "Benefits of Plants to Humans and Urban Ecosystems" is out. Here is the link:

<https://anrcatalog.ucanr.edu/Details.aspx?itemNo=8726>



It is my hope that it helps you further realize the important impacts your volunteering results from an individual, societal, and ecosystem perspective.

Thank you so much for all that you do in this regard.

Here is the introduction:

The link between horticulture and health and well-being has been scientifically documented for centuries. In 1812, psychiatrist, professor, and Declaration of Independence signer Dr. Benjamin Rush reported in his book, *Medical Inquiries and Observations, Upon the Diseases of the Mind* (Rush 1812), that patients "digging in the dirt" fared better than their nongardener counterparts. Since then, hundreds of peer-reviewed scientific studies have been published documenting benefits of active (e.g., gardening/landscaping) and passive (e.g., viewing nature through a window, taking a walk in a park) interactions between people and plants and the value of plants in urban ecosystems. We draw on many of those studies from these literature reviews:

- Howarth et al. 2020: An overview of seventy-seven peer-reviewed journal articles that identifies thirty-five positive outcomes linking physical, mental health, and well-being to active and passive horticultural interactions
- Soga et al. 2017: A meta-analysis of twenty-two studies examining mental health outcomes related to gardening, including mood, group cohesiveness, cooperation, pride, and well-being
- Tillmann et al. 2018: A review of thirty-five published papers that link mental health benefits in youth to interactions with nature
- Coventry et al. 2021: A review and meta-analysis of fifty research papers connecting interactions with nature with improved mental and physical health in youth and adults including older adults with chronic conditions
- Twohig-Bennett and Jones 2018: A review of 143 studies linking green space exposure to improved physical health outcomes
- Shepley et al. 2019: An overview of forty-five studies that identify links between well-designed and -maintained urban green spaces and reduced crime and enhanced cohesiveness in low-wealth urban neighborhoods
- Cruz-Piedrahita et al. 2020: A review of 120 papers that report public health benefits from urban horticulture activities, including activities with a specific focus on social cohesion or social capital
- Alizadeh and Hitchmough 2019: A synthesis of 106 research papers regarding the ecosystem services and benefits of trees and other plants to people and urban environment





News from Rosa!

Rosa Olaiz

Thank you to all who attended the Countywide Recognition and to the Master Gardeners who organized and beautifully executed

the event. Janet Hartin shared a few words and Missy Gable, Statewide MG Director, sent a message to Riverside County Master Gardeners. The message can be viewed on the VMS Home Page.

The UCCE Indio office moved to the new offices at the UCR Palm Desert Campus, 75080 Frank Sinatra Dr, Palm Desert, CA 92211. The Master Gardener Program has a large office for the Helpline and space for small meetings. The program shares the storage room with two advisors; both rooms are in Building B on the second floor.

Reappointment is just a few months away. On June 1, the three-reappointment forms (Annual Volunteer Agreement and Request for Reappointment, Code of Conduct/Responsibilities, and Rights and Proof of CA Driver's License and Automobile Liability Insurance) will be on your VMS home page. The forms must be completed in order to continue in the Master Gardener Program for the 2023-2024 year. Now is the time to enter your volunteer and continuing education hours. The next couple of months are full of volunteer opportunities; so visit the VMS Calendar to sign up. If you are in need of continuing education hours, Veteran meetings are held on the second Thursday of the month at 6:30pm, and Lunch and Learn meetings are offered on the fourth Thursday of the month, 12-1pm. Recordings of past continuing education meetings can be found on the Home Page News.

Save the Dates!

ANR Giving Day is set for Thursday, May 18! UC ANR Day of Giving is a 24-hour period to support the UC programs you care about! You are invited to support our mission to extend sustainable gardening practices to thousands of community, school, and demonstration gardens across California.

The UC Master Gardener Conference is October 2-6, 2023, in Tahoe City, California at the Granlibakken. [Visit the conference website for more information and the latest updates!](#)

UC ANR Giving Day

The 2023 UC ANR Giving Day will run from noon to noon on May 18th-19th. Similar to the international Giving Tuesday celebrated in November, UC ANR Giving Day is a 24-hour celebration of community and philanthropy supporting UC causes that matter most to you. Some of the projects funded by past giving day donations include demonstration gardens, outreach teaching supplies, and youth scholarships. Every gift makes a difference! More to come.

Butterfly Quiz Answers from page 9

1. Butterfly overwintering as an egg:
California Hairstreak
2. Butterfly overwintering as an adult:
Buckeye, Tortoiseshell, Painted Lady
3. Caterpillar only eating one host genus plant: **Monarch, Cloudless Sulfur, Pipevine Swallowtail, California Dogface**
4. Butterfly living the longest in United States – 11 months: **Mourning Cloak**
5. Smallest butterfly in United States:
Western Pygmy Blue
6. Largest butterfly in United States:
Giant Swallowtail, *Papilio cresphontes*
7. Butterfly eating the most families of host plants: **Painted Lady**

UC Master Gardener Program of Riverside County			
UCCE Riverside County Director		Rita Clemons	
UCCE Riverside MG Program Director		Janet Hartin	
Volunteer Services Coordinator		Rosa Olaiz	
West County Advisory Board		Desert Advisory Board	
Chair	Dave Brandtman	Chair	Jim Thompson
Chair Elect	Melody Knox	Chair Elect	Brad Hardison
Past Chair	Darrilyn Erickson	Past Chair	Smoky Zeidel
Secretary	Judi Newby	Secretary	Open
Treasurer	Jonathan Crook	Treasurer	Jim Huberty
AVS Project	Mike Horak	Coachella Valley Preserve Docents	Marcia Stone
Community Gardens	Thurman Howard	Coachella Valley Preserve Docents	David Lahti
Diverse Community Projects	Thurman Howard	Community Gardens	Open
Equipment & Inventory	Debbie Leuer	Composting	Rita Kraus
Gold Miners	Thurman Howard	Composting	Dee Kongsлие
Grow Lab	Adrian Ceja	Continuing Education	Pat Clayes
Grow Lab	Steven Moreno	CREATE	Barbara Kay Levin
Help Line	Jane Payne	CREATE	Vivian Yturalde
Home Gardening Class	Linda Powell	Desert Home Gardening Class	Smoky Zeidel
Home Gardening Class	Georgia Renne	Event Tables	Open
Mentoring Program	Alba Good	Farmers Markets	Gail Nottberg
Membership	Sharon Sharpe	Help Line	Ralph Thompson
MG Logo Merchandise	Jennifer Hopper	Job Descriptions	Patty Reed
Newsletter	Georgia Renne	Job Descriptions	Marcia Stone
Parliamentarian	Cindy Peterson	Membership	Cynthia Morris-Sotelo
Public Relations eBlast	Susan Cline	Mentoring Program	Barbara Kay-Levin
Public Relations Social Media	Pam Elias	Moorten's Botanical Gardens Docents	Cesar Lopez Barreras
RCRCD Liaison	Karen Fleisher	Moorten's Botanical Gardens Propagation	Barbara Kay-Levin
RCRCD Monarch Habitat	Linda Powell	New Projects	Marcia Stone
School Gardens	Kim Coons-Leonard	Newsletter	Georgia Renne
School Gardens	Brad Hardison	Parliamentarian	Brad Hardison
School Gardens	Janice Rosner	Publicity-eBlast	Jim Thompson
Social Recognition	Yvonne Wilczynski	Publicity-Social Media	Jim Thompson
Speaker's Bureau	Lynn Coffman	Raices Cultura's Tierra de Raíces	Cesar Lopez Barreras
Speaker's Bureau	Heather Vuyancih	School Gardens	Brad Hardison
Tours	Linda Carpenter	Social Recognition	Kathy Miller
Training Class	Jill Hishmeh	Speaker's Bureau	Gail Nottberg
UCR Botanic Gardens Liaison	Yvonne Wilczynski	Training Class	Jim Thompson
Website (Countywide)	Ralph Thompson	Website	Ralph Thompson
Parliamentarian	Cindy Peterson		
Public Relations eBlast	Susan Cline		
Public Relations Social Media	Pam Elias		
WEL Liaison	Janice Rosner		