

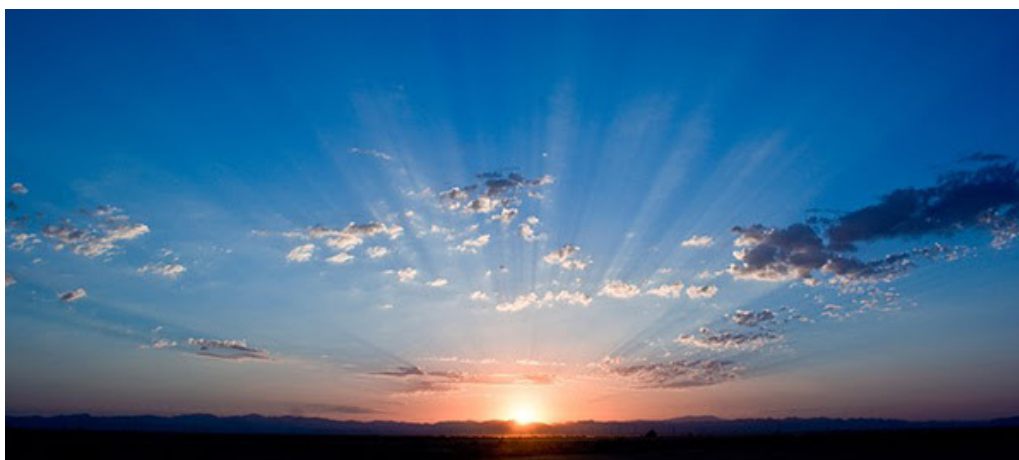


San Juan Capistrano Garden Club

Member of California Garden Clubs, Inc, Orange County District



www.SanJuanCapistranoGardenClub.com



President's Message

by Mozelle Sukut, Ph.D.

WHAT A YEAR!

It has been a whole year (or 10!) since Covid-19 closed down meetings and gatherings, and changed the way we live, work and socialize. Health issues and death have been around us and numbed many of us as we've had to deal with loss during these heavy times. But during all the negatives, gardening has been a resource and a diversion. Even though the Club's in person programs, Garden Stroll Tour of Gardens, outings and district meetings, and Stem Sender outreach to local Assisted Living Residences had to all be canceled, the wearisome year progressed. Lucky for us, many members rallied to bring education and events to us even in this stressful time. VP Kathy Dixon worked with presenters to have them share garden info; monthly Zoom Garden programs have been available with the help of Valerie Drey teaching us how to Zoom connect. VP Jenell Blue has created colorful and informative pages for our newsletters. VP Linda Thomas Jones developed a creative, safe and beautiful December holiday event, and has launched the beginning phases of several worthwhile projects as well as ongoing outreach to appreciate sponsors and donors. VP Carol Mansukhani has creatively reached out to us to participate in Plant Exchanges and small gatherings. VP Pat Kenner has kept us in the green for funds available for civic projects, scholarships, Stem Sender supplies, and donations to other worthy nonprofits as Arbor Day Foundation. Committees have continued garden tending- Nancy Cangiano and team at La Sala/library and seed spreading, Pat Martin and team at the Leck House flower beds and orchard. The interest in and time spent gardening has increased during this Pandemic. Growing and tending plants or simply being in nature lifts moods and dries tears. The support and understanding of fellow gardeners has made it possible for the Club to continue through this difficult period. Your Board members are grateful for gardeners, gardens and nature. ~Mozelle

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PROGRAMS

By: Kathy Dixon, V.P. Programs

Past Event

Scott LaFleur

We enjoyed our virtual trip to five national botanical gardens by Scott LaFleur. I think we are all ready to pack our bags and set off on a botanical adventure? Thank you Scott! For now we can visit Scott at Sherman Library and Gardens where he is the Director. A visit to Sherman Gardens is a breath of fresh air.

Monday, March 15th, ZOOM @ 10am

The Gottlieb Native Garden: An Intimate Wildlife Journey

Next month, *March* we are fortunate to have presenter Scott Logan from Wild Wings, a store that sadly has closed however they are available online.

He will speak about the Gottlieb Native Garden in Beverly Hills.

The Garden is a private garden with whom the owner and Mr. Logan have been working. They have produced two books on wildlife. The books are amazing.

If you'd like to peek or treat yourself to a beautiful book visit: wildwingsla.com.



COMMITTEES

By: Kathy Dixon and Wendy Corzatt

SWEET STEM SENDERS

We are looking forward to meeting and creating a special Spring/Easter surprise for the Senior Living centers.

We will be in touch with details.



LOOKING FOR A FEW GOOD MEMBERS

By: Janet Sperber and Nancy Cangiano

Sign up to help with Board and Advisory positions

Nominations are now open for elections to be held at our May 17 meeting. If you have enjoyed the benefits of Club membership, please consider “giving back” to the Club by serving on the board for a two-year term, from July 2021 to June 2023.

Our Club can ONLY continue to exist with leadership and direction from an elected board. Required duties of each board member are in our By-Laws, Article V (available online). The following are board positions for which any member may be nominated:

President: Presides at board and club meetings, acts as liaison between Club and CGCI. Serves as an ex-officio member of all Committees except the Nominating Committee.

VP Programs: Plans and executes monthly programs or field trips, coordinates hospitality at meetings.

VP Membership: retains accurate records of membership, collects dues, implements plans for recruitment and retention of members.

VP Ways & Means: Responsible for fund-raising, maintains a sponsor program, oversees grant-writing and in-kind gifts for specific projects.

VP Communications: Maintains website, publishes monthly newsletter, submits articles and info to newspapers, social media, etc.

Secretary: Keeps accurate record of board and membership meetings.

Treasurer: Receives and deposits funds and pays bills approved by the board in a timely manner, prepares financial statements, files government required reports.

Contact Janet Sperber or Nancy Cangiano by April 1 for more information, or to nominate any willing Club member.



PLANT EXCHANGE

By: V.P. Membership, Carol Mansukhani

It's time to get out and share some in-person gardening. The "Plant Exchange" is resuming in March!

If you would like to meet and share cuttings, plants, even pots with fellow garden members and can meet on any Thursday in March.

Call Carol to set a date ASAP!



RETURNING MEMBER

By: V.P. Membership, Carol Mansukhani

Laurel Linton

Yay! Membership is growing! Welcome returning member, Laurel Linton. Also welcome new member, Lori Bickel. Our present total membership is now 83 strong.

Lori and her husband have resided in SJC for about 19 years. They have two adult boys with the youngest about to be married. Recently she joined the "Going Native" board and is currently busy with the vegetable garden as a "Garden Angel". While Lori has known about our club for awhile, she feels that she now has the time to devote.



IRISH SODA BREAD

By: V.P. Communications, Jenell Blue

Society For the Preservation of Irish Soda Bread

Did you know that the Irish Soda Bread sold in our grocery stores is really Tea Cake? From the Society For the Preservation of Irish Soda Bread: **Flour, Salt, Baking Soda, Buttermilk. Anything else added makes it a "Tea Cake!"**

My grandmothers made the bread more palatable for children by adding currants. No matter how you eat it, add loads of butter!

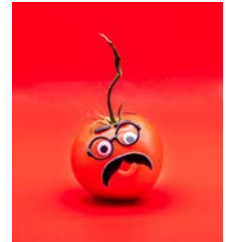


INSECTS SILENCING THE ALARM PLANTS TRY TO SEND NEIGHBORS OF AN ATTACK

AN ENZYME IN THE SALIVA OF CERTAIN INSECTS PREVENTS THEIR FOOD PLANTS FROM WARNING NEIGHBORING PLANTS OF AN ATTACK

by Sara LaJeunesse, Penn State

Like a scene from a horror movie, tomato caterpillars silence their food plants' cries for help as they devour their leaves. That is the finding of a multidisciplinary team of researchers, who said the results may yield insights into the abilities of crop plants -- such as tomato and soybean -- to withstand additional stressors, like climate change.



"We have discovered a new strategy whereby an insect uses saliva to inhibit the release of airborne plant defenses through direct manipulation of plant stomata," said Gary Felton, Entomology, Penn State, noting that stomata are tiny pores on plant leaves that regulate gas exchange, including plant defensive emissions and carbon dioxide, between the plant and the environment.

Specifically, the researchers studied the effects of a particular enzyme that occurs in the saliva of tomato fruitworm caterpillars (*Helicoverpa zea*) on plant stomata and plant defensive emissions. The enzymes are thought to help protect plants from insect herbivores by attracting natural enemies of those herbivores and by alerting neighboring plants to the presence of herbivores nearby.

"This study is the first to use gene editing to study the function of an insect salivary enzyme," said Po-An Lin, lead author of the paper. "Using pharmacological, molecular, and physiological approaches, we were able to show that this salivary enzyme plays a key role in insect-induced stomatal closure and likely the reduction of several important defensive emissions."

Indeed, the team -- comprising experts in molecular biology, chemical ecology, plant physiology and entomology -- found that GOX, secreted by the caterpillar onto leaves, causes stomatal closure in tomato plants within five minutes, and in both tomato and soybean plants for at least 48 hours. They also found that GOX inhibits the emission of several enzymes during feeding, which are important airborne signals in plant defenses. Lin noted that tomato caterpillars evolved a salivary enzyme that inhibits emissions of defensive volatiles in certain species suggests the importance of plant airborne defenses in the evolution of insect herbivores.

Not only do these insects damage individual plants, but they also may render them less able to withstand climate change. "Stomata are important organs of plants that not only detect and respond to environmental stressors, but also play a central role in plant growth," said Felton. "Because stomata play an important role in regulating leaf temperature and leaf water content, our findings suggest that the control of stomatal opening by an insect could impact the plant's response to elevated temperatures occurring with climate change and response to water deficiency."



REMEMBER STEVE KAYE, THE BIRD PHOTOGRAPHER WHO PRESENTED A GC PROGRAM?

Such a sweet thoughtful man- his monthly outreach is always tied in with supporting nature and positive actions.

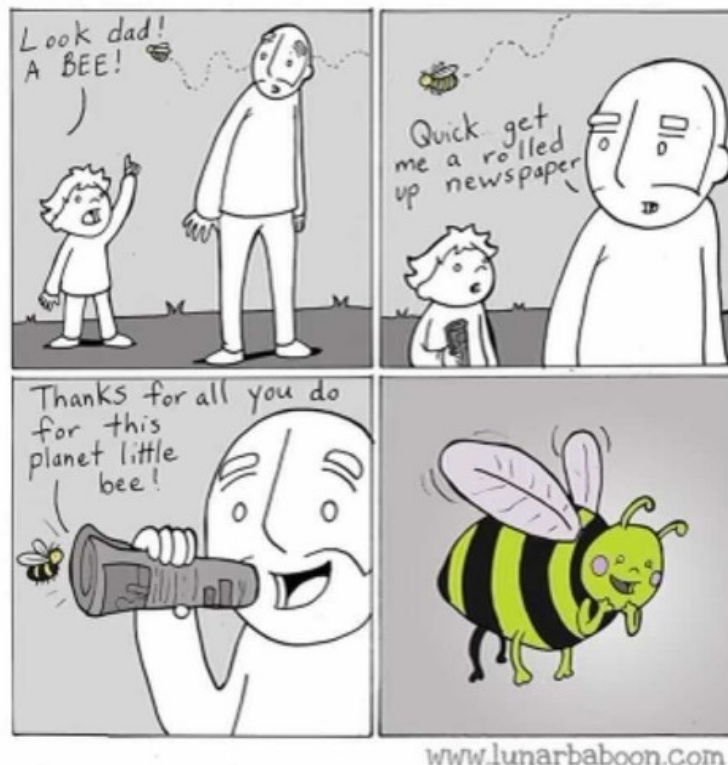
4 Ways in which you can make a difference: Steve Kaye

1) Compassion Every wisdom in history builds on a foundation of acting with compassion. Through compassion we show kindness toward others. We practice goodness. We participate as positive members of humanity. What to do: Make kindness a daily priority. Why: The more happiness that you cause for others, the more happiness you will have for yourself.

2) Truth Every relationship, agreement, and project depends upon truth. With truth we make good decisions. With truth we create trust. And with truth we save lives. What to do: Insist on truth. Support media that reports truth, support advertisers that tell the truth about their products, buy from companies that tell the truth. Why: Living in an environment of truth creates a sense of moral well-being.

3) Conservation Every investment depends upon protecting the principal. And our environment is an investment that we depend upon for everything. What to do: Use resources carefully. And dispose of trash properly. (I'm sure you already do this. And so what else can you do?) Why: You will feel better knowing that you are part of the solution.

4) Commitment Everyone is responsible for the future of our society. We are connected through our relationships. And we are participants through our actions. What to do: First, start small by making your personal world an example for others to follow. Then magnify your efforts by joining organizations that work to make the world better. I recommend Audubon and Sierra Club. Why? We feel better when we know that we make a difference.



**THANK YOU TO OUR 2020-2021
MEMBER DONORS AND BUSINESS DONORS**

**SAN JUAN CAPISTRANO
GARDEN CLUB**
32158 Camino Capistrano
Suite A PMN 120
San Juan Capistrano, CA 92675
Organized 2001

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VP Programs:

Kathy Dixon

Advisor: Wendy Corzatt

VP Membership:

Carol Mansukhani

VP Communications:

Jenell Blue

Advisor, Instagram:

Valerie Drey

Advisor, Facebook, Nextdoor:

Pat Lussier

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Susan Kudsi

Treasurer:

Pat Kenner

OC District Director:

Beckie Splittgerber

Immediate Past President:

Mary Crawford

(non-voting position)

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Hummingbird	Linda Thomas Jones	
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