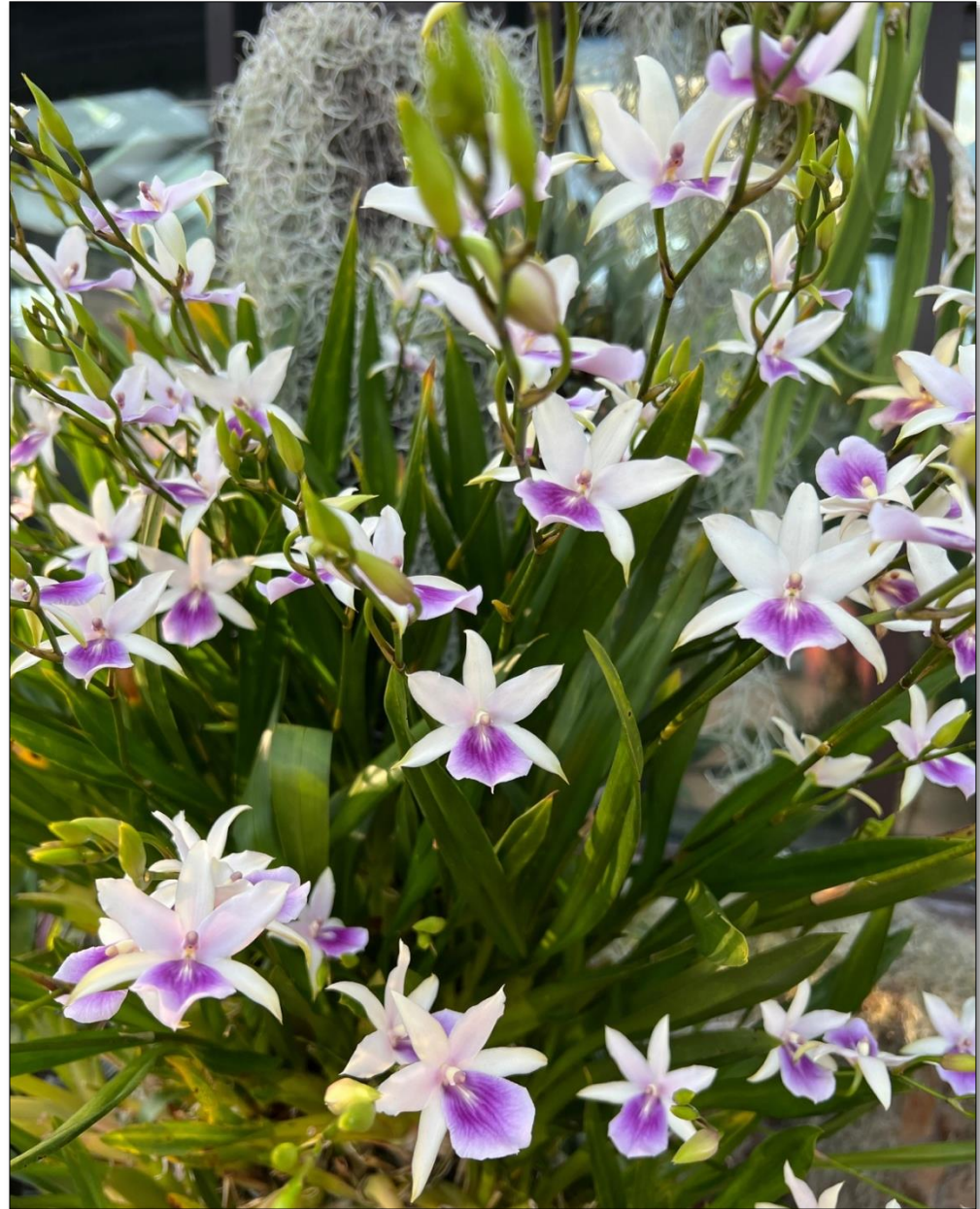


**San Diego County Orchid
Society Newsletter
Volume 282:
November 2022**

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Miltonia regnellii 'Starburst' AM/AOS
Debby Halliday

San Diego County Orchid Society Newsletter – November 2022

President's Message

Text by Debby Halliday, President

Nearly November already! The nights will be getting cooler soon. Keep in mind that your warm growers may want to come back indoors before we get too cold.

The October meeting had a few unexpected technical difficulties. My apologies to everyone for keeping you waiting both on Zoom and in person. Thank you for your patience! We had a perfect storm of Zoom not wanting to let us in from the club computer and the in-room PA system not working at all. After quite a bit of trying this and that, we finally got the Zoom connection up and successfully used our attached mic to do the culture class online. We had to use our own speakers to talk to the room. We were able to broadcast the on-line presenter through those speakers, but then they were not available for communication in the room. ARGH!

The good news is that we believe all the problems are solved now. The PA system for the room is being repaired or replaced as necessary and we have sorted out the Zoom problem. November should be much smoother! On the plus side, David Brown brought in a very clever gimble for smart phone photography so our plant forum presentation went really well! Thank you, David.

I thoroughly enjoyed giving the culture class again and hope you picked up some ideas from my personal "Tips and Tricks". We will post a pdf of my lecture on the website as soon as I get back to town. The main speaker

was Ross Vernon, who came to us from Indiana. He gave a very interesting lecture about judging and growing Miltoniopsis. I learned some useful information and enjoyed all the lovely pictures.

Next event is the Fall Orchid Show in the Park at the end of October. I look forward to seeing everyone and once again surprising and delighting the public with the wonderful variety of orchids you, our members, grow and bring in to show them. I hope you will be part of this satisfying and fun event.

Tonight I greet you from France, but I'll be back in time for the show. Happy Growing!



Orchids in the Park

San Diego County Orchid Society presents

October 29–30

Saturday Noon – 5 p.m.
Early bird sales start at 10 a.m.

Sunday 10 a.m. – 4 p.m.

Balboa Park's
Casa del Prado, Room 101
Near the Natural History Museum

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Habenaria medusa
Debby Halliday

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General Meeting, November 1st, in person at Balboa Park Room 101 and Simulcast on Zoom; 7:30 PM.

Peter Lin: Favorite Fragrant Orchids

Text by Peter Lin and David Vandebroek, First VP

We are excited to welcome back Peter Lin to present his talk: Favorite Fragrant Orchids. Along with the beauty of the flowers, many orchids have an alluring fragrance that is hard to beat in the plant world. This fast paced PowerPoint presentation will show some of Peter's favorite orchids with truly fragrant flowers, and how to grow them.

Peter started growing orchids over 30 years ago, but then stopped due to school and



starting a career. It wasn't until about 14 years ago that the orchid "bug" came back and he is now heavily involved once again. He is an accredited judge with the American Orchid Society and a hybridizer of mini-catts. He enjoys meeting with other orchid enthusiasts, and can often be found at various orchid shows and societies around the country. He also has hundreds of photos of his orchids that he maintains on Flickr. You can view them by typing this address into the internet:

<http://www.flickr.com/photos/minicatt/collections/>

Due to limited growing space, Peter likes to specialize in miniature orchids, both species and hybrids, and has received numerous AOS awards. His other interests in orchids include Dendrobiums, Angraecoids, and Neofinetias. He maintains a collection of a thousand or more orchids at his home in Southern California in three small greenhouses, as well as an offsite greenhouse.

Peter will also be providing plants for this month's opportunity table – come prepared to buy tickets for a great table!

You are also invited to join us for dinner at the Prado Restaurant at 5:45pm. Please send me a text or email by Friday, October 28, if you join. (firstvp@sdorchids.com)

As always, dinner is on you, but the conversation is free. This is a wonderful way to get to know our very interesting speakers on a more personal basis – if you haven't attended a Speaker's Dinner before, now's a great time to give it a try!

Fragrant orchids from Peter's website



San Diego County Orchid Society Newsletter – November 2022

Judging at the San Diego Judging Center
(Casa del Prado, Balboa Park),
October 2022, 6 PM.

Text and photos by Phyllis Prestia

There were 3 orchids presented for judging.
One was awarded.

[1] Phal. Sogo Yenlin JC/AOS
Exhibited by Pam Peters
Awarded JC, Points not required

Please remember, judging starts promptly at
6, so please have your plants in before then.

Culture Class, November 1st, 6:30 PM
Speaker: TBD

We will be having Culture Class as usual
before our General Meeting



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Cattleya Hybrids

Text by Bruce Berg

One of the most rewarding group of orchids to have in your collection is the hybrid Cattleya orchids. They have been hybridized to provide a great and rewarding variety of colors, and sizes. They also may have parents that will give the plant ability to thrive in a wide range of temperatures. When you know what the hybrid's name is, you can find the growing conditions of the parent plant. Google is a good reference as is YouTube for more information. Check the Orchid Girl Blog for orchid care.

Decoding the plant name: The letters before the plant name give you a clue as to the heritage of the parent species. If you know the characteristics of the parents, you can have an idea of what they may transfer to their offspring.

If the first letter is a C, it stands for Cattleya, and is followed by the species name after the C, so you can look up the habitat of the parent plant. Cattleya species plants can be found from Mexico to the tip of South America, from sea level to the cloud forests of the Andes Mountains.

If the plant has an S in the tag, this stands for Sophronitis, an old name for what is now Cattleya.

If there is an L in the tag, this stands for Laelia species. They grow in northern Mexico in dryer conditions. They need a winter rest. Their flowers grow on long inflorescences.

If there is a Pot on the tag, this means the plant is a hybrid in the horticultural trade, comprising those intergeneric [hybrids](#) of [orchids](#) which have [Brassavola](#), [Cattleya](#), [Laelia](#) and [Sophronitis](#) as parent genera.

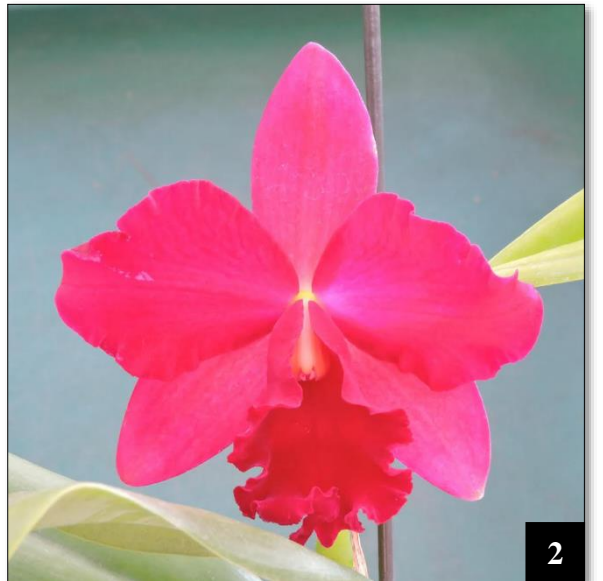
If the name contains a B, that stands for Brassavola species. A plant that grows in intermediate conditions. Allow at least a 2-week dry period in the winter when the plant is not actively growing to help mature growths and induce flowering. *Brassavola nodosa* is easy to grow when you can provide the right water and light.

Here are two of my favorite Cattleya hybrids in my collection: [1] Blc x Lc Tropical Sunset and [2] Slc Polynesian princess : (C.Pink Dolls X C.Laurels Hollow).



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San Diego County Orchid Society Newsletter – November 2022

SDCOS Conservation Grant

Awardees, 2022

Text by Ron Kaufmann, Conservation Committee Chair

The SDCOS Conservation Committee met on October 1 to evaluate applications from a number of people and organizations. After careful consideration, the Committee recommended the following five grants for funding. All of these recommendations were approved by the SDCOS board on October 6.

A vote of the membership is required for society expenditures in excess of \$750, and a motion to approve these five awards will be made at the monthly General Meeting on Tuesday, November 1. If you have any questions about these applications or the review or approval process, please contact Ron Kaufmann (rkaufmann@gmail.com) by **Monday, October 31**.

1. *Conservation threats and host tree assessment of critically endangered Gastrochilus calceolaris at Orong, Samdrupjongkhar (Bhutan)*. Submitted by Ugyen Chopel, Department of Forest and Park Services, Ministry of Agriculture and Forest, Eastern Bhutan. The Shoe-Shaped *Gastrochilus* (*Gastrochilus calceolaris*) is an epiphytic orchid that is listed by the IUCN as critically endangered. This species is threatened by an increasing human population and overexploitation of natural resources, but there have been no comprehensive studies on its status. In Bhutan, a number of federal policies apply to biodiversity conservation, but conservation plans are

limited to only a few select endangered species, primarily animals. The current conservation management plan and community forest management plan do not highlight the protection and conservation of *G. calceolaris* or any other orchid species. The purpose of this project is to assess the abundance of *G. calceolaris* and other orchids in the Samdrupjongkhar district (eastern Bhutan) and evaluate the threats to their conservation. An assessment of preferred host trees also will be conducted. Information about this project will be shared with local community members to increase their awareness of species conservation in the area and the importance of protecting endangered orchid species. Project results will be used to help community forest management group members, local government leaders, policy makers and conservationists make evidence-based decisions for sustainable utilization and management of natural resources in this area. Total amount recommended = \$7,090

2. *Molecular DNA analysis of cultivatable endophytic fungal isolates from the roots of orchids in the region of Soconusco, Chiapas, México, for use in orchid restoration and pest control*. Submitted by Anne Damon, El Colegio de la Frontera Sur (ECOSUR), Chiapas, Mexico. Southeast Mexico includes the two most biodiverse states in the country, Chiapas and Oaxaca. Deforestation, destruction and degradation of ecosystems and illegal extraction are the principal causes of orchid extinction in

this region. A particularly important factor in the southeast of Mexico is the shifting approach to coffee production. Traditional coffee plantations included a fantastic diversity of native trees that were left standing to shade the coffee plants, creating a safe haven for virtually all of the elements of the original ecosystem, from microorganisms and animals to epiphytes. Plantations help to provide livelihoods for people and at the same time maintain environmental and climatic integrity; however, this system is now deteriorating, and the orchids that had adapted to living on the coffee plants and shade trees are disappearing. The principal objective of this project is the conservation and restoration of native orchid populations in natural ecosystems, coffee and cocoa agroecosystems, and restoration sites in rural communities. This approach requires *in vitro* propagation of orchid species using methods that can be implemented within the realities and limitations of rural communities. These "rustic" protocols will require modification of orchid propagation techniques as well as information about endophytic fungi (EF), especially those that can form mycorrhizal associations with orchid roots. This project will include an evaluation of the importance of EF for the successful transplanting of orchid seedlings into the natural environment. Total amount recommended = \$5,325

3. *The full genome sequencing and genetic analyses of Cypripedium reginae*. Submitted by Peter Faletra, The New Hampshire Academy of Science. The

San Diego County Orchid Society Newsletter – November 2022

SDCOS Conservation Grant Awardees, 2022, Continued

Orchidaceae is the most diverse and species-rich family of flowering plants. About two thirds of orchids are epiphytes and lithophytes. Although the remaining third are terrestrial, they account for about one half of extinct species and are particularly subject to extinction risk. The ecological specialization of orchids makes them more susceptible to extinction in the age of climate change as well as making them a model for conservation for all flowering plants. It is generally accepted that resilience to climate change and other forms of perturbation requires conservation of heterogeneity, including genetic diversity, within ecosystems. Analyzing the genetics of a plant population can provide critical information for developing effective conservation strategies. Since genetic diversity is central to conservation efforts, analyses of genetic diversity in the study of population genetics is an essential conservation tool. The primary goal of this project is to create a complete reference genome sequence for the showy lady's slipper, *Cypripedium reginae*, an endangered terrestrial orchid native to the northern US, including New England. A complete reference genome will advance our knowledge about showy lady's slippers and related species as well as ultimately providing the foundational knowledge needed for conservation of New England and North American orchids. Total amount recommended = \$3,350

4. *Genetic Diversity, Population Density and Reproductive Success of *Tridactyle cruciformis*, an Endangered Epiphytic Orchid in the Mau Forest, Kenya.* Submitted by Fanuel Kawaka, Department of Biological Sciences, Jaramogi Oginga Odinga University of Science and Technology, Bondo, Kenya. Epiphytic orchids are key indicators of ecosystem stability and climate resilience. These orchids are threatened by habitat fragmentation, overexploitation, and climate change, but the threat levels remain unknown due to inadequate research on orchid populations, particularly in Africa. In Kenya, Mau Forest is one of the most species-rich but least studied ecosystems in terms of orchid distribution and diversity. This project aims to determine the genetic diversity, population density and reproductive success of *Tridactyle cruciformis*, an endangered epiphytic orchid in Mau Forest. Field experiments will be conducted to estimate population density and reproductive success, while allozyme electrophoresis and enzyme assays will be used to estimate the genetic diversity of its populations. The project will provide insight into the effects of habitat degradation on the genetic diversity, population structure, and reproductive success of *T. cruciformis*. The results will furnish vital information on the conservation needs of this endangered species. Total amount recommended = \$3,500

5. *Developing an Eco-friendly Orchid Trail for Conservation of Wild Orchids in Makawanpur District, Nepal.* Submitted by Bhakta Bahadur Raskoti, Nature Research and Conservation Initiative, Banke, Nepal. The Makawanpur district lies in the Bagamati province, central Nepal, and is a very popular tourist destination. The elevations in this area range from 400-2500 m, providing diverse habitats that support at least 150 wild orchid species, with new species being discovered each year. Although, the Makawanpur district supports a rich orchid flora, many of them are disappearing from their natural habitats. The major causes are habitat destruction, overexploitation for ornamental and medicinal use, and damage to the habitat by tourists due to poor awareness, a lack of eco-friendly guidelines for visitors, and the absence of a robust conservation program. This project aims to develop an eco-friendly orchid trail with visitor guidelines for the conservation of wild orchids. Developing this trail will send a strong message to local communities and visitors about the importance of wild orchid conservation; create a destination for orchid lovers as well as researchers and students to study the orchids and their habitat; and increase tourism, providing an important source of income for local people that incentivizes protection rather than destruction or extraction of wild orchids. Total amount recommended = \$3,470

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Fall Show in the Park (Reprint)

Text by Dave Hoffmaster, Show Chair

We have a show coming up this weekend! October 29 & 30 in Balboa Park, so mark your calendar and start prepping your plants. To make the show a success, we need to fill the room with flowers so please bring in your plants to display. You may bring in your plants Friday afternoon or early Saturday morning. Plant registration is from 3:00 – 7:00 Friday or between 8:00 and 9:00 Saturday morning. We will offer both ribbon and AOS judging. Ribbon judging will start at 10:00 Saturday while AOS judging will take place Sunday morning due to a scheduling conflict. If you wish to participate in ribbon judging, please contact Pam Peters and let her know. Working as part of a judging team is a good way to learn about orchids and meet others from the society

As always, we need people to [volunteer to help](#) for the show to be a success. Work starts on Friday with set up and continues until we pack it all up Sunday afternoon. If you have time and can work a shift or two, please check our website, sdorchids.com, and click on the volunteer tab. It will give you the list of positions along with the days and shifts available. As a reward for your work, you will receive a volunteer reward ticket for every day you volunteer. These tickets can be used at the plant opportunity table for a chance to win a plant at our monthly meetings, so please sign up to help.

There will be orchids for sale just to tempt you. There will be a number of local vendors selling all kinds of orchids along with conservation and members. If you have plants you wish to donate to conservation, bring them in Friday afternoon or early Saturday so conservation can price them

before the show opens. If you have plants you wish to sell yourself, we will have a table for member sales. Just remember, if you wish to sell your plants, they must be properly tagged and priced with a bar code so the cashiers can ring them up. If you need bar codes, please contact Myra DeTate (treasurer@sdorchids.com) at least 2 weeks prior to the show with your request. Good news for sellers – SDCOS commission has been lowered to only 15%!

We look forward to the show and hope to see you there. It is the last weekend before Halloween and there will be plenty of activity at the park with ghosts and goblins in addition to orchids.



Pictures from a previous show





Den Samurai
Debby Halliday



Orchid Conservation Alliance

Conserving Orchids by Conserving Orchid Habitat

The OCA conserves orchids by funding habitat preservation. Since inception in 2005 we have helped with the purchase of over 3000 acres of orchid habitat, protecting hundreds of orchid species in Brazil, Ecuador and Colombia. Many species of rare birds, trees, frogs, mammals also find refuge in these reserves.



Dracula gigas (L), *D. trigonopetala* (R)
Dracula Reserve, Ecuador

Dracula lemurella (L), *Lepanthes escifera* (R)
La Selva de Ventanas Reserve, Colombia

We hope you will join us in promoting this important work. We invite you to become a member of the OCA, to make a donation, to take a trip with us to see Orchids in the Wild®, and to purchase merchandise through our website. Since we have no paid staff, all proceeds support orchid conservation. The OCA is a non-profit 501(c)(3) corporation.

For more information: www.orchidconservationalliance.org



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San Diego County Orchid Society Newsletter – November 2022

Orchid Dates to Remember:

October 29-30

SDCOS October Show in the Park

Saturday: Noon – 5 PM

Sunday: 10 AM – 4 PM

Casa del Prado, Balboa Park, Room 101

November 1st

SDCOS General Meeting

Culture Class: 6:30 PM; Program: 7:30 PM

First Tuesday of the month

Casa del Prado, Balboa Park, Room 101

Also broadcast via Zoom; meeting link to be emailed to members prior to meeting. For a nonmember to request a meeting invite, email president@sdorchids.com

November 1st

AOS San Diego Judging Center

6 PM, first Tuesday of the month

Please have plants registered before 6 PM

Casa del Prado, Balboa Park, Room 104

November 2nd

Palomar Orchid Society Meeting

Society business at 6:30 PM; main program at 7:00 PM

First Wednesday of the month

Carlsbad City Library

1775 Dove Lane, Carlsbad, CA 92011

November 3rd

SDCOS Board Meeting

First Thursday of the month, 7 PM

Zoom; for an SDCOS member to request a meeting invite, email

president@sdorchids.com

November 5th

SDCOS Species Group Meeting

Socialization 8:30 AM, meeting 9:00 AM

First Saturday of the month

firstvp@sdorchids.com

Board and General Meeting Minutes

The SDCOS Board meeting minutes can be found at:

<http://sdorchids.com/Minutes.html>

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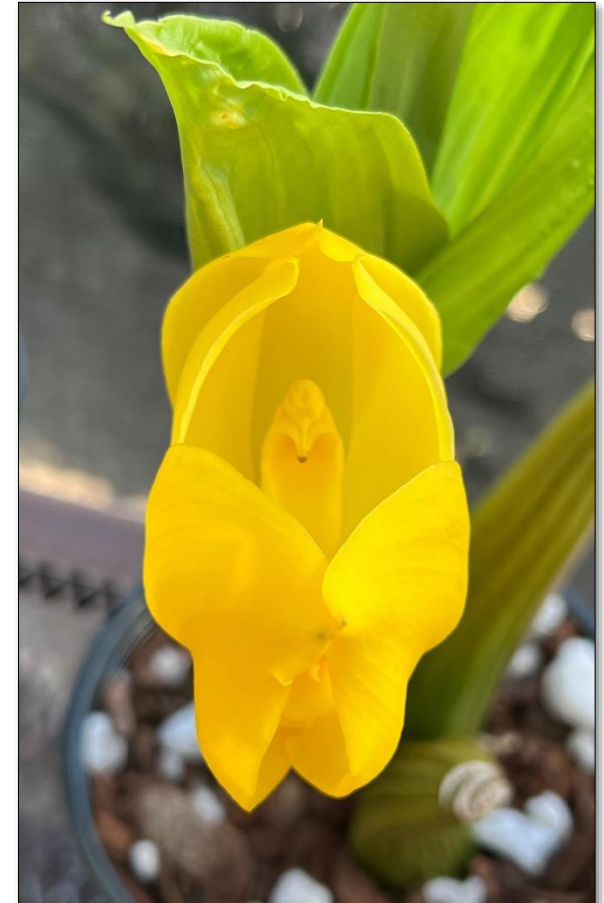
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2022-2023 SDCOS Officers

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First Vice President	David Vandebroek
Second Vice President	Ashley Grable
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Treasurer	Myra DeTate
Director at Large, to 2023	Sima Perkins
Director at Large, to 2024	Carey McCoy
Director at Large, to 2025	Stewart Walton
Past President	Kay Klausung



Anguloa ruckeri
Debby Halliday

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From the Editor:

Hello everyone,

I hope you're enjoying a break from the heat as we move into the cooler seasons – I know I am! For all you Mediterranean terrestrial growers: I've started watering and I've got tiny growths from all my tubers, which has me hopeful for this growing season :)

We do have our October show this weekend, so please consider [volunteering](#), contributing plants for display, or at least stopping by to check things out!

Also, the society has increased our budget for opportunity table plants, so come expecting something great the next few months!

Last, as a little reminder, the December meeting will be our annual holiday party – more details will be coming next month, but keep in mind that we'll be having our holiday plant exchange, so consider picking up something fun at the October show or elsewhere between now and next month.

If anyone has articles they wish to submit to the monthly newsletter, please continue to send contributions to me at SDCOSNewsletter@gmail.com. Deadline for submissions is end of day on the **second Friday of the month**.

All the best,

David Vandebroek
SDCOS Newsletter Editor

San Diego County Orchid Society
P.O. Box 161020
San Diego, CA 92176

