



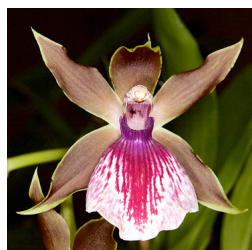
POS News

The Palomar Orchid Society is a non-profit organization dedicated to promoting the understanding and cultivation of both hybrid and species orchids. We welcome members of all levels to join us for orchid fun and learning! Our mission is to promote interest in the appreciation of orchids and to provide an opportunity for their display and the exchange and dissemination of information relating to their culture.

www.palomarorchid.org

A Monthly Publication

March 2016



Please Renew Your Membership

If you have not paid but intend to stay a member, please mail or submit your dues now!

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Gems from the Last Meeting

Ron Midgett's talk about Sc. Beaufort was very well received. As always, many members shared their blooming plants.

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Orchid Viruses

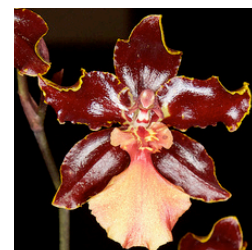
This is an excerpt of a more detailed virus article available at the [AOS website](http://AOSwebsite).

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Calendar of Events

The winter and spring show season is in full swing. Don't miss the POS Annual Auction on April 30th!

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Monthly Meeting • Wednesday, March 2, 2016 • 6:00 pm



Kai Klausing

Orchid Viruses: Introduction and Practical Aspects of Virus Testing

We are delighted to welcome back Dr. Kai Klausing, 1st VP of the San Diego County Orchid Society who will speak to us on orchids viruses. During his Masters and PhD work, Kai used a virus as a model system for replication and, as such, he has had a long interest in and

fascination with viruses. Kai will give a brief introduction to orchid viruses, but will focus mainly on the practical aspects from the point of growing orchids. He will give a live demo on how to perform tests, share the test results for his collection and provide tips on how to prevent the spread of virus in a collection.

Kai was born and raised in Germany, but he did not start growing orchids until he was in college. The University of Konstanz, where he got his Master and PhD in Molecular Genetics, had a lone *Dendrobium kingianum* specimen covering 2 huge baskets that had developed thousands of keikis due to being kept too warm. The gardener gave him a few keikis, which got him hooked on orchids. Kai moved to the US in 1990 to do a postdoc at UCSD and gave his collection to his dad who also got "infected" with the dreaded orchid virus, much to his mom's dismay.

One of the first things Kai bought in the US, before even owning a car, was an orchid at an orchid show sponsored by POS. Since then, his orchid collection has swelled to about 800 plants with an emphasis on the Cattleya alliance,

consisting of mostly species. Kai grows his plants in three greenhouses (cool, intermediate and warm) and one outdoor area for rupicolous Laelias.

The March plant table will be comprised of select cattleyas divisions given to POS by Fred Clarke as well as several hybrid Australian dendrobiums produced by Fred.



PRESIDENTS' MESSAGE

The month of March is a very exciting time for San Diego orchid enthusiasts with several shows occurring throughout the first three weekends in March beginning with the Santa Barbara International Orchid Show on March 4-6, our own San Diego County Orchid Society's Annual Show on March 11-13 and the Spring Planting Jubilee and Tomato Sale on March 19-20 at the San Diego Botanical Garden. Concurrent with the Santa Barbara show will be the annual Cymbidium Congress to be held on Saturday, March 5 for those who are true cymbidium enthusiasts or want to learn more about them. This congress is not restricted to cymbidiums but also will feature some lectures by experts on papahs and phrags. The Spring Planting Jubilee will feature multiple plant vendors including some local orchid vendors. Please note that members of the AOS have free admission to the gardens.

At our last meeting we had members sign up for putting together a POS display at the San Diego Show, but we can always use a few more participants to make it easier on all of the participants. Our display team has come up with some great ideas that should translate to a very nice, possibly award winning display this year. We also can use some of your nice blooming plants for the display and we will have a sign up sheet for those interested in participating.

We also will need more participants for our annual auction on April 30 including a volunteer to chair the event so we will be soliciting member involvement at the March meeting. We continue to encourage all members to participate in some way to support our only fund raising event of the year. It is important for our society as it funds all of our speakers, opportunity tables and related activities throughout the year.

This month's speaker is Kay Klausing the 1st VP of the San Diego County Orchid Society. He will be speaking about plant viruses and how to detect them and avoid spreading them in your collection. It should be a very informative, practical and interesting talk. Virus test kits previously purchased by POS will be available for

\$5.00 each, which can be split in two to test two plants.

In closing, we encourage input from our members at any time via email, phone or in person (anadzan@mac.com, 760-529-5814 or billtcwong@att.net, 760-931-0502). Feel free to contact either of us, as we are here to serve you.

Happy Growing!

Alex Nadzan and Bill Wong
Co-Presidents, POS

Please Renew Today!

We would like to get the 2016 roster out by the next meeting. If you have not paid but intend to stay a member, please mail your 2016 dues to Sandi Sandquist, 6408 Crossbill Court,

Snacks & Refreshments

This month, all members with last names beginning **M** through **S** will share at break time!

We appreciate everyone's effort in supplying our meeting with goodies. It makes for a great meeting all around!

Thank you!

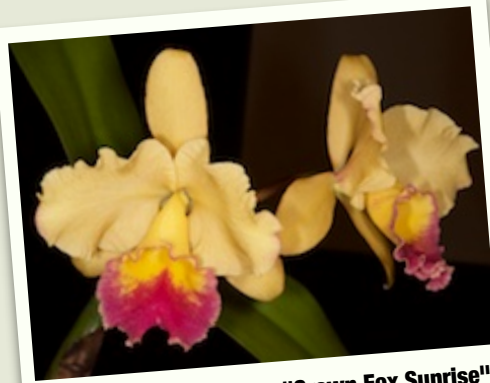
Carlsbad, CA 92011 or bring it to the meeting. If you have any questions, please call Sandi at (760) 918 2408. Also, if you do not wish your contact information to be printed in the roster, please let Sandi know as well.



Gems From The Last Meeting



Ron Midgett



Bc. Nina de Primavera "Crown Fox Sunrise"
Alex Nadzan



Bc. Irvine Sunset – Alex Nadzan



Slc. Love Castle "Kurenai" x B. Little Star – Alex Nadzan



Cymbidium madidum
Merle Robboy



Den. tetragonum – Alex Nadzan



Cymbidium Karen "Mokoia Sunset"
Lena Shiroma



Mediocalcar decoratum – Cecily Bird



Cym. Teresa Patterson "Pink Passion" HCC-AOS – Alex Nadzan

Photos by Helge Weissig - full album at www.palomarorchid.org

General Meeting Information

The Palomar Orchid Society regularly meets the **FIRST WEDNESDAY** of every month at the Pavilion at Lake San Marcos (1105 La Bonita Dr., San Marcos, CA 92078).

Traveling on State Route 78, take the Rancho Santa Fe exit and head South. The entrance to

the Lake San Marcos Resort is on your left about a 1/4 mile South of the San Marcos Blvd. intersection. Traveling on I5 South from Oceanside and North Carlsbad, take the Palomar Airport exit and turn right onto Rancho Santa Fe after about 7 miles. Traveling North on I5 from South Carlsbad and Encinitas, for example, take the La Costa Ave. exit and turn left onto Rancho Santa Fe. The

entrance to the resort will be the first right after the fire station in San Marcos.

Inside the resort at the first "T" intersection, turn left on San Marino Drive. At the next 4-way STOP, turn right on La Bonita Drive. Proceed ahead for one block on La Bonita. The pavilion will be on the left and there is parking in front of the pavilion.

Orchid Viruses

By Juliana Freitas-Astúa

The following are excerpts from an article from the AOS website. The full-length version is available [here](#).

Orchids are susceptible to a variety of biotic and abiotic agents that can hinder their development and diminish the quality of their leaves and flowers. Among biotic agents, fungi, bacteria and viruses are the most important. Viruses are organisms invisible to the naked eye that can be seen only through transmission electron microscopes, which can amplify their images several thousand times.

Some 30 different viruses have been reported infecting orchids in various regions of the world. Of those, Odontoglossum ringspot virus (ORSV) and Cymbidium mosaic virus (CyMV) are considered the most important ones due to their prevalence, worldwide occurrence and the severe symptoms they can induce in several orchid genera, often reducing their vigor, lowering flower quality and leading to economic losses. Mixed infections are quite common, because these viruses have similar biological and epidemiological characteristics and are frequently transmitted together.



Symptoms

The symptoms that are caused by viruses are variable and difficult to pinpoint. Sometimes, infected plants are asymptomatic, but still experience a reduction in vigor. Common symptoms on leaves of most orchid genera are irregular chlorotic or necrotic lesions of various sizes. Yellow stripes may also occur. Circular ringspots, yellow to red lesions, with or without necrotic centers, can be observed in some hybrids. Laelia plants tend to exhibit purplish blotches on their leaves. Symptoms on Cymbidium are often mosaic with or without necrosis. Less common but observed in Phalaenopsis is the downward leaf curling. Flowers, mainly those of Cattleya and Phalaenopsis, often exhibit necrosis or color break (variations in the color of the petals). Cymbidium flowers rarely display viral symptoms.

Because of the large variability in symptoms and the possibility of infected plants' being asymptomatic, identifying orchid viruses is not an easy task. Symptoms may vary according to the plant genotype (genus, species, variety), environmental conditions (temperature, humidity), management of the plants (level of nutrition, stress, etc.), as well as virus species and isolates. In addition, some of the symptoms associated with viruses can be also caused by other factors. For instance, flower necrosis can be caused by CyMV and by fungi such as Botrytis cinerea. In Cattleya plants, flower color break can be caused by ORSV or by drastic changes in temperature, and ORSV-infected Cymbidium can exhibit a mild mosaic



that resembles nutrient deficiency.

Controls

It is important to remember that there is no cure for an orchid infected with ORSV or CyMV, even though efforts have been made to produce genetically engineered resistant plants. Thus, the best way to control orchid viruses is by prevention, avoiding their entrance in the growing area. This is not easy to do, particularly when infected plants are asymptomatic. Because of that, one should always buy orchids from certified producers and avoid bringing plants with symptoms home. Special attention should be given to mother plants, which ought to be guaranteed virus-free.

If viruses are already present in the area, several measures need to be taken. Infected plants should be discarded and the suspicious ones should be isolated to prevent further dissemination of the viruses. Separating plants of different ages also helps prevent viral spread, since the older the plant is, the higher its chance of being infected. This occurs because the longer a plant stays in the production area, the more often it has been manipulated, and as it is known, ORSV and CyMV can be transmitted by handling during dividing, repotting, cutting or any other management practice.

February Judging Report

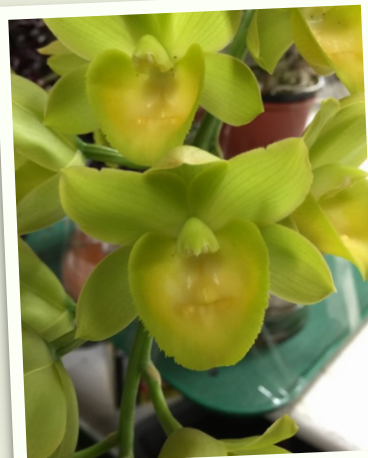
There were 6 orchids presented for judging, 3 were awarded.



Mo. Barabas Collins 'SVO Dark Night'
Exhibited by Fred Clarke
Awarded FCC/AOS 90 points



Fdk. Unregistered 'SVO Amazing'
Exhibited by Fred Clarke
Awarded AM/AOS 86 points



Fdk. Enter Light 'SVO Grasshopper'
Exhibited by Fred Clarke
Awarded AM/AOS 86 points

Text and photos by Phyllis S. Prestia Ed.D.



**LONG BEACH
AMATEUR ORCHID SOCIETY**
The More Than Friendly Society, Est. 1955

LBAOS Annual Orchid Auction

Monday, March 14, 2016

5:30 pm - Doors open for auction set-up
6:00 pm - Preview & Registration
(Get your paddles!)
6:30 pm - Auction starts
Visitors & Guests Welcome!

Join us at our Annual Orchid Auction!
Bid on quality indoor and outdoor growing orchids,
plants and supplies from commercial growers and
society members at **auction prices**.
Start or expand your orchid selection.
Obtain a gift for someone.
Don't miss this opportunity!

St. Gregory's Episcopal Church Hall
6201 E. Willow Street, Long Beach, CA
(Between Palo Verde Ave. and Woodruff Ave.)
Map on reverse.

Contact Information:

LBAOS website: www.lbaos.com

Email: info@lbaos.com

Phone: Gary Putnam, (562) 972-0450 or
Irma Hughes, (714) 897-2892



**THE PALOMAR ORCHID SOCIETY
PRESENTS**

2016 Orchid Sale & Auction

**Saturday,
April 30, 2016**

**Sale & Preview 9:30 am - 11:00 am
Auction 11:00 am - 3:00 pm**

**The Pavilion at Lake San Marcos
1105 La Bonita Drive
San Marcos, CA 92078**

FREE ADMISSION AND PARKING
More info at www.palomarorchid.org

The Editor's Corner



It is virus season, for sure! After taking some samples myself, it was immediately clear, that there is a particularly virulent strain of it making the rounds. A marked reduction in vigor, slight discoloration, and abnormal excretions quickly helped identify the nature of the infection. No test kit needed there. Other typical symptoms went along with it and the patient was removed from his normal habitat for a while in order to receive special care. A reduced feeding regimen along with ample hydration and assorted chemical treatments followed. After a few days, miraculously, there was some improvement observed and he may not have to be thrown onto the compost after all. The jury is still out on that part though since his cough is really quite annoying.

Your comments and suggestions are very much appreciated! And, as always, your contributions to the newsletter or website are very welcome as well. Please email them to newsletter@palomarorchid.org.

Happy Growing!

POS Officers

Alex Nadzan & Bill Wong — Co-President
Alex Nadzan & Merle Robboy — Co-1st Vice President/Programs
Marita Hoit & Jerry Spahn — 2nd Vice President/Raffle
Sandi Sanquist — 3rd Vice President/Membership
Frank Vogel — Secretary
Vidya Sirsi — Treasurer
Lena Shiroma, Tom Wisniewski, & Carl Wood — 2nd Year Trustees
Lisa Humphreys, Maryanne Kind, & Charlie Padelford — 1st Year Trustees
Ivan Allen — Publicity
Helge Weissig & Ivan Allen — Newsletter & Website Editors

Contact Us

Palomar Orchid Society
PO Box 130774
Carlsbad CA 92013

Email
newsletter@palomarorchid.org

WWW
www.palomarorchid.org
www.facebook.com/palomarorchid
www.flickr.com/groups/palomarorchid/

Upcoming Events

March 1, 2016

Orchid Judging Center
 Casa del Prado, Balboa Park

SDCOS General Meeting
www.sdorchids.com

March 2, 2016

POS General Meeting
 Pavilion at Lake San Marcos
www.palomarorchid.org

March 4 - 6, 2016

71st Annual Santa Barbara
 International Orchid Show
www.sborchidshow.com

March 11 - 13, 2016

Andy's Orchids Annual Spring
 Open House
andysorchids.com

SDCOS International Spring
 Show
 Scottish Rite Center
www.sdorchids.com

March 14, 2016

Long Beach Amateur Orchid
 Society Annual Auction
lbaos.com

March 16, 2016

SDCCS General Meeting
 Pavilion at Lake San Marcos

March 18, 2016

Orchid Odyssey
 San Diego Zoo
www.sandiegozoo.org

April 5, 2016

Orchid Judging Center
 Casa del Prado, Balboa Park

SDCOS General Meeting
www.sdorchids.com

April 6, 2016

POS General Meeting
 Pavilion at Lake San Marcos
www.palomarorchid.org

April 15, 2016

Orchid Odyssey
 San Diego Zoo
www.sandiegozoo.org

April 20, 2016

SDCCS General Meeting
 Pavilion at Lake San Marcos

April 30, 2016

POS Annual Auction and Orchid
 Sale
 Pavilion at Lake San Marcos
www.palomarorchid.org

May 3, 2016

Orchid Judging Center
 Casa del Prado, Balboa Park

SDCOS General Meeting
www.sdorchids.com

May 4, 2016

POS General Meeting
 Pavilion at Lake San Marcos
www.palomarorchid.org

May 18, 2016

SDCCS General Meeting
 Pavilion at Lake San Marcos

May 20, 2016

Orchid Odyssey
 San Diego Zoo
www.sandiegozoo.org

Other Orchid Societies' Meetings

San Diego County Orchid Society

Meets First Tuesday of each month at
 7:30 pm in Room 101 in the Casa del
 Prado of Balboa Park in San Diego
 Bob Clark (858) 270-8352
membership@sdorchids.com

San Diego Cymbidium Society

Regular meetings 3rd Wednesday of
 each month, September-June, 7pm,
 Pavilion at Lake San Marcos
 1105 La Bonita Dr.
 San Marcos, CA 92078
 Bill Wong (760) 931-0502
billtcwong@att.net

