

Overtures

A Communications Instrument for Society Members and Other Interested Parties

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Volume XXIV Issue 9

September 2019



**ORCHID
SOCIETY OF
THE OZARKS**
OSO-WEB.ORG

*Stimulating interest in
Orchids and their culture as
a nonprofit, educational
organization ...*

The Orchid Society of the Ozarks meets the 3rd Sunday of each month. Annual dues are \$10.00 for individuals and \$15.00 for joint membership.

Vice-president: Art Evans

artevans@lpa.net

Treasurer: Lois Geren

lgeren@uark.edu

Editor: Steve Marak

samarak@glzmoworks.com

September News!

September 15th is our annual auction! Note special time!
October meeting is October 20th!
Facebook – please like us if you haven't, we're over 1000!

Upcoming 2019 Programs

September is always our annual auction and great plants have been rolling in this week, and there are more on the way! Our vendors, some of whom have supported OSO's auction for many years, have donated with their usual generosity. There are **Cattleya hybrids**, **hybrids of Catasetum and related genera**, **unusual Angraecums**, a **violacea-type Phalaenopsis**, **awarded Vanda clones**, and more. Some are in bloom – you can see some pictures elsewhere in the newsletter – and others are in bud.

Please note the special time for the auction: the preview starts at noon, the auction starts at 1 pm, there will be a short break at about the middle, and **we'll close at 3:30 pm** even if all items have not been sold so that we have plenty of time for paying out, accounting, etc.

If you are donating items to the auction – and we appreciate all our donors – please let someone (Cathy or Lois or Steve) know what they are so we can get them into the auction handout, since we'll send that out ahead of time.

What about the rest of 2019? In October, Dr. Kristen Uthus of New World Orchids will be here. Kristen is a returning speaker and she'll bring lots of cool small plants. She's a good speaker too and you'll definitely learn a lot. Then in November, Dr. Robert Marsh will be here to talk about the genus *Barkeria*. We only recently became aware of this genus (we bought one from Kristen, in fact). It impressed us with easy care and long flowering so we're anxious to learn more.

Judging notes ...

Judging notes from August 18, 2019

Six members entered a total of 27 plants for our May judging. Kathy Judy's five plants took Plant of the Month for her *Aerangis citrata* and first place in *Cattleya*, *Paphs*, *Angraecium*, second in *Oncidium* and 3rd in *Species*, for a total of 52 points. Cathy and Steve Marak's six plants took first and third in Small *Cattleya*, and firsts in both *Species* and *Miniature* for a total of 32 points. Paul Bowen's 7 plants took first in *Phalaenopsis* and second and third in *Species* for a total of 17 points. Lois Geren's five plants took second and third in *cattleya*, third in *Oncidium* and second in *Species* for a total of 14 points. Russ Greene's and Jim Enn's three plants took second in Small *Cattleya* and second and third in *Phalaenopsis* for a total of 12 points. Trevor Lee's one plant took first in *Oncidium* for 10 points.

Thank you to the sixteen members who have brought a total of 211 blooming plants to our 7 monthly judging's so far this year. Special thanks to those who "volunteer" to participate in judging the plants each month.

Year to date point standings are:

1. Paul Bowen at 217
2. Art Evans at 171
3. Kathy Judy at 189
4. Cathy & Steve Marak at 130
5. Lois Geren at 112
6. Russ Greene & Jim Enns at 87
7. Jack Heflin at 67
8. Susie Miller at 54
9. Immy Graves at 30
10. AJ Dunevent at 15
11. Bradley Martin at 12
12. Annie Osterhout at 10
13. Trevor Lee at 10
14. Liz Hillbrand at 9
15. Cindy Daniels at 2

– *Judging Committee*

Upcoming Shows & Judgings Around Our Region

September 21, 2019

Great Plains Judging Center monthly judging, Beech Science Center, Southwestern College, Winfield, Kansas

October 12, 2019

Mid-America Judging Center monthly judging, Room 175, Commerce Bank Education Building, Missouri Botanical Garden, St. Louis, Missouri

October 19, 2019

Great Plains Judging Center monthly judging, Beech Science Center, Southwestern College, Winfield, Kansas

November 2, 2019

Great Plains Judging Center monthly judging, Botanica, The Wichita Gardens, Wichita, Kansas

November 2, 2019

Kansas Orchid Society Fall Show & Sale, Botanica, The Wichita Gardens, Wichita, Kansas

November 9, 2019

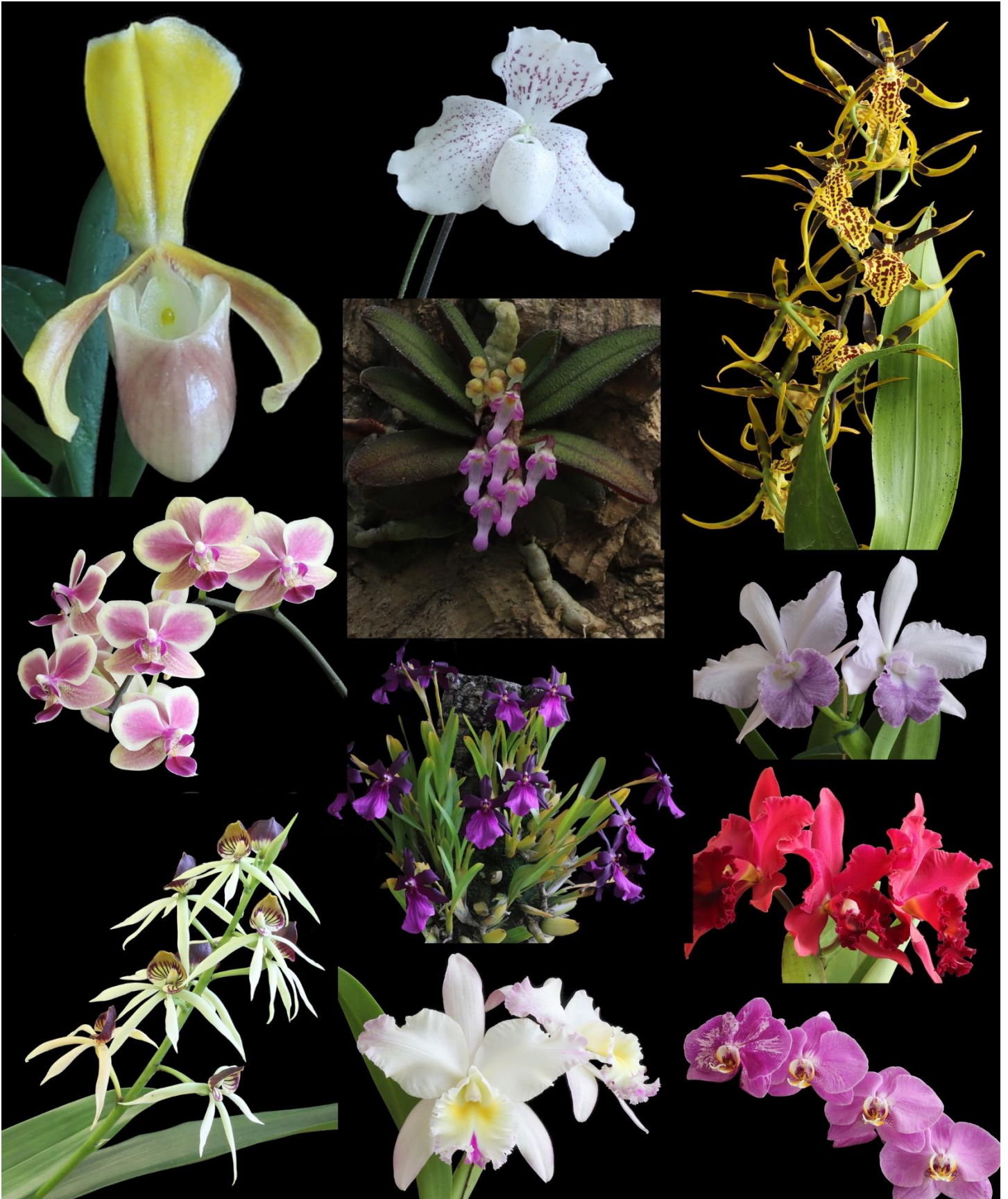
Mid-America Judging Center monthly judging, Room 175, Commerce Bank Education Building, Missouri Botanical Garden, St. Louis, Missouri



A few more pictures from the August OSO meeting by Cathy Marak



Pictures from the August meeting ...



Some plants that will be in the auction this Sunday...



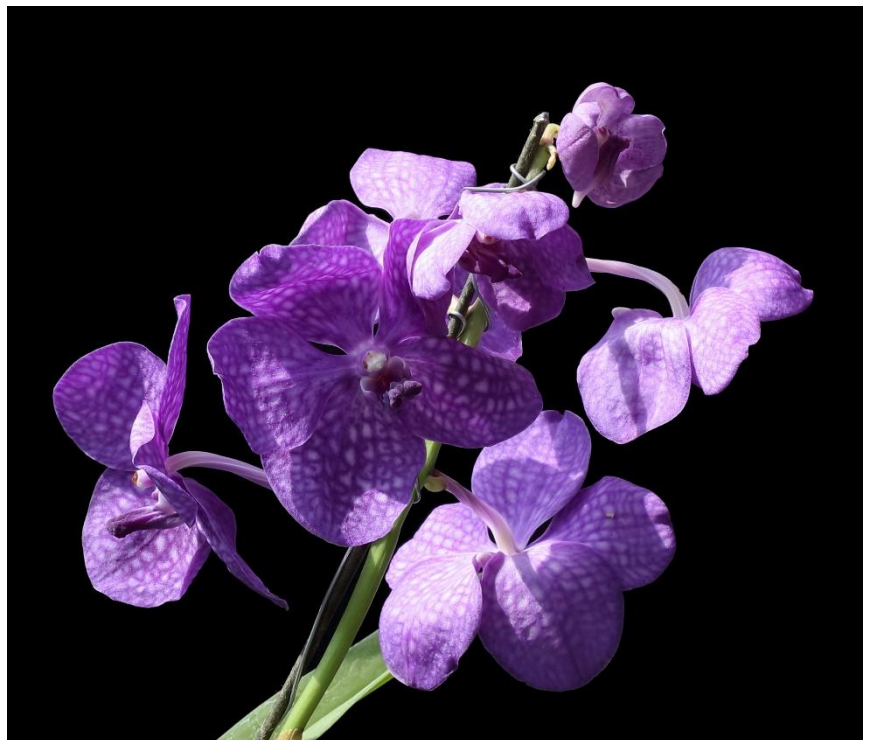
Phalaenopsis Lea Marie Salazar



Suksamran Sunshine 'Tangelo'



Rapeepath 'Tutti Fruitti'



Vanda Princess Mikasa 'Indigo' AM/AOS

News from the AOS

We thank the American Orchid Society for allowing us to use these AOS Corner items in our newsletter! Even if you're not an AOS member, there are lots of free resources available to everyone ... and of course we encourage you to join. AOS membership includes digital access to "Orchids" magazine, including digital archives of more than 350 issues dating back to 1932!

CULTURE

EDEMA: What Are Those Strange Blisters? Text by Sue Bottom / Pictures by Terry Bottom

Originally published in ORCHIDS 2015

When I first noticed those corky blisters on the leaves of my orchids, I thought it was some kind of aberrant scale. I tried scratching them off and even tried excising them with an X-Acto knife, though of course it wasn't scale at all. The culprit was edema, also known as oedema; swelling caused by excess fluids.

In orchids, this swelling is caused by improper watering, when the roots absorb more water than can be transpired by the leaves. Typically, this happens during the cooler months in late winter and early spring, especially during extended periods of cool, cloudy weather. If you water on a gray day when the plant is not actively growing or you water late in the day on a day when the nighttime temperatures turn cool, edema blisters may form. The excess water absorbed by the plant causes a swelling of plant cells that produces a blister on the leaf.

Proper watering is the key to preventing edema blisters from forming. During the warm growing season when plants are in active growth and the nighttime temperatures are warm, you can water your plants with wild abandon. You can water in the morning, the afternoon or at night. In fact, when the humidity is very low, many orchid growers find it difficult to properly hydrate their orchids because they dry out so quickly.

Some selectively water in the evenings after the sun has set so their plants will stay wet overnight and soak up water. Fertilizer shouldn't be applied in the evening hours. Darkness, plus water, plus nutrients is a formula for fungal and bacterial growth. Most orchids grow in a nutrient-poor environment so even though the plants may be wet at night from heavy dews and rain, there is insufficient food to fuel roots and the like in nature. If you decide a nighttime watering regime is right for you, water at dusk and then apply your fertilizer in the early morning.

My go-to guy, Courtney Hackney, recommends nighttime watering during periods of low humidity and warm nighttime temperatures and notes some of the additional benefits from this approach. Your plants will be well hydrated so you will not have to worry about fertilizer toxicity. The roots will be ready to take up fertilizer as their surface condition has changed from hard and stiff to soft and pliable. If you live in an area with hard water, salts that accumulate in the medium, pots and roots will become soluble overnight, allowing them to be flushed out the next morning while fertilizing. Once the humidity rises or nighttime temperatures drop below the 65–70 F (18–21 C) range, you should resume the more conventional morning watering regime.

Watering during the cooler months is quite different than during the main growing season. Many orchids go through a winter resting period and some an outright dormancy, so the orchid's need for water and fertilizer is at a minimum. Your frequency of watering will be perhaps a quarter or a half of your summertime watering

frequency. Water early in the morning, finishing before noon or so. Do not water on gray or rainy days, even if it is your “scheduled” watering day.

Orchid growers spend a lot of time worrying about different pests and diseases that might be afflicting their plants. I have come to believe that there are more physiological and cultural issues that cause problems with your orchids than those caused by pests and diseases. If you have access to the AOS Guide on Orchid Pests and Diseases, read or reread Tom Sheehan’s discussion on physiological disorders caused by improper watering, light, nutrition, potting faults and other conditions (Sheehan 2002). His comments are as true today as the day they were written.

This bifoliate cattleya has just developed edema. The blisters are always raised. Sunken spots would be suggestive of a bacterial infection causing a collapse of the cells. Sometimes edema is mistaken for scale, though scale can easily be rubbed off with alcohol and a cotton swab.

The raised blisters are clearly displayed on this phalaenopsis leaf. Some of them are translucent, and some have taken on a corky appearance (image sent to www.staugorchidsociety.org for diagnosis).



Additional Reading:

Cating, R.A., Palmateer, A.J., Stiles, C.M., Harmon, P.F. and Davison, D.A. 2014. Physiological Disorders of Orchids: Oedema. University of Florida, IFAS Extension, Plant Pathology Department, PP244, Revised April 2014. <http://edis.ifas.ufl.edu/pp164>. Accessed July 16, 2015.

Sheehan, T.J. 2002. Physiological Disorders of Orchids. p. 4-21. In: Orchid Pests and Diseases, Revised Edition, T.J. Watson editor. American Orchid Society, Delray Beach, Florida.

— Sue Bottom started growing orchids in Houston in the mid-1990s after her husband Terry built her first greenhouse. They settled into St. Augustine, Florida, Sue with her orchids and Terry with his camera are active in the St. Augustine Orchid Society, maintaining the society’s website and publishing its monthly newsletter. Sue is also a member of the AOS Editorial Board (sbottom15@hotmail.com).



UPCOMING WEBINARS

It’s easy to find the scheduled webinars and to register on the AOS website. You’ll find the link under the [All About Orchids](#) tab. If you check there, you will find any webinars that have been scheduled after the production of this monthly Corner.

Orchid Gardens of Latin America with Tom Miranda
Wednesday, September 18th, 2019 @ 8:30-9:30 EDT

Members only

Please join Tom Miranda, noted conservationist, orchid expert, and AOS Accredited Judge, as he takes us on a tour of Latin America's fabulous Orchid Gardens.

Register now using this link: <https://register.gotowebinar.com/register/8567250965795696385>

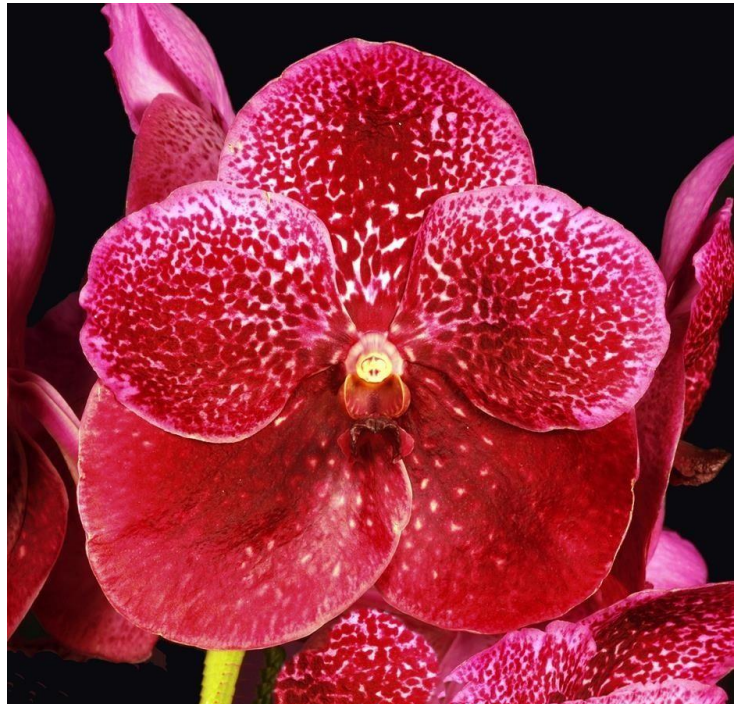
Note: After registering you will receive a confirmation email information about joining the seminar.

WHAT ARE WEBINARS? Webinars are an Internet conference where you can hear the speaker and view the presentation, ask questions, and hear interactions from other members of the audience. You can join either on your computer or by phone. You can join from anywhere, via your Mac, PC or even your mobile device. Audio is included, so attendees can phone in or use VoIP (Voice over Internet Protocol). You will need a microphone for your computer to use VoIP.

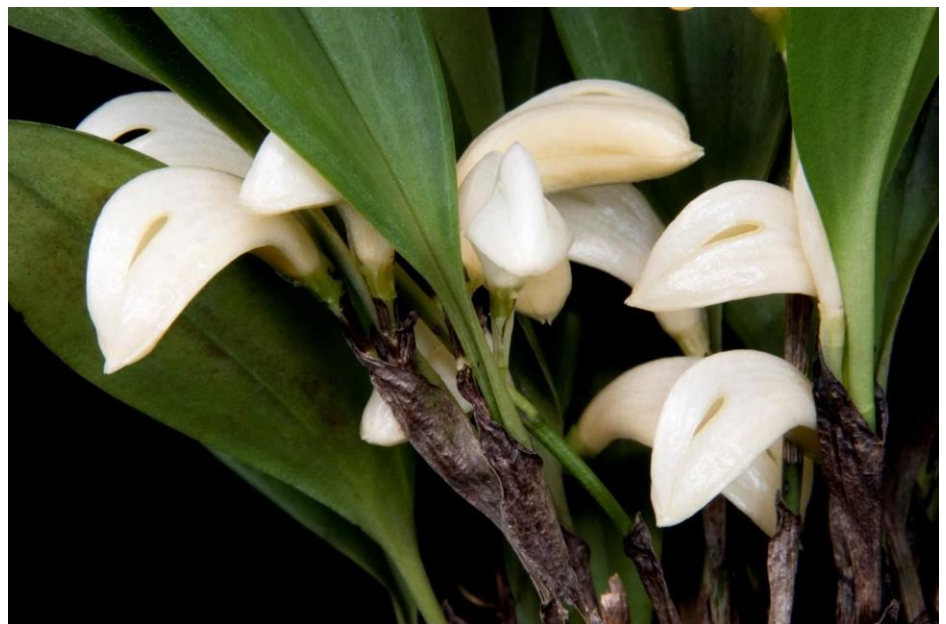
WANT TO LEARN BUT CAN'T MAKE THE DATE? The live webinars will be recorded and posted on the AOS website, where you will find a link allowing you to view the webinars at your convenience.

THE SEPTEMBER ISSUE OF ORCHIDS MAGAZINE will feature great articles and beautiful pictures on:

- New Refugium Botanicum - TBD
- Orchids Illustrated - *Masdevallia* by Peggy Alrich and Wesley Higgins
- Lindleyana - New Ecuadorian Species, Part 2 by Hugo Medina, José Portilla and Iván Portilla
- Orchids of Bhutan - *Diplomeris* by Stig Dalström, et al.
- Who Were These Guys, Part 9 - Charles Robert Darwin by David Rosenfeld, MD
- Iceland's Hidden - *Dactylorhiza maculata* subsp. *islandica* by Sergey and Elena Skoropad
- Orchids Among the Thorns by Spiro Kasomenakis
- Genus of the Month - *Zootrophion* by Thomas Miranda and Wolfgang Rysy



Vanda Misty Pace 'Crownfox' FCC/AOS; Photographer: Willie Alleyne



Zootrophion vulturiceps 'Windflower' AM/AOS; Photographer: Arnold Gum

Digital Access to Over 350+ past issues of Orchids magazine extending back to 1932!

ALSO FEATURED IN ORCHIDS MAGAZINE!

16-page award gallery of breath-taking pictures of recently awarded orchids.

RECENT ORCHID AWARDS PICTURES ON THE AOS WEBSITE:

See fabulous pictures of the most breathtakingly beautiful orchids receiving awards from the AOS! Visit the new "[Latest Orchid Awards](#)" page on the AOS website to enjoy these stunning photographs! Click on the thumbnails to see them in larger format. Free to members and non-members.



Stanhopea saccata 'Dude' AM/AOS; Photographer Wilton Guillory



Paphiopedilum Howard Martin 'Howard P. Martin' AM/AOS; Photographer: Jennifer Lang Margaret Folwell



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ORCHID SOCIETY OF THE OZARKS

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*A non-profit, educational
organization stimulating interest in
orchids and their culture.*

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On Facebook:



@

<http://www.facebook.com/pages/Orchid-Society-of-the-Ozarks/166606350108921>

Like us, post your pictures or
comments, join the community!



Photo by Cathy Marak

What's Ahead ...

September 15, 2019

NTI, 709 S. Old Missouri Rd., Springdale,
AR
Preview: Noon
Auction starts: 1 pm
Auction ends: 3:30 pm

October 20, 2019

NTI, 709 S. Old Missouri Rd., Springdale,
AR
Meeting: 1:30
Program: Dr. Kristen Uthus, New World
Orchids

November 17, 2019

NTI, 709 S. Old Missouri Rd., Springdale,
AR
Meeting: 1:30
Program: Dr. Robert Marsh will speak on
the genus *Barkeria*



Stenoglottis fimbriata