



The Arizona Orchidist

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Founding Editor-
Clarence S. Lindsten

1966

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November 2018

NEXT OSA MEETING

The next regular society meeting will
be

Monday, November 5th

Training Center

at the

Arizona State Veteran Home

4141 S. Herrera Way, Phoenix.

(Formerly North 3rd Street)

OSA meetings are open to all

plant enthusiasts

Refreshments:

snacks – Julie Rathbun and
Wilella Stimmell
beverage – Lou Ann Remeikis

Refreshment Coordinators:

Lou Ann Remeikis (602) 803-6889

Barbara Parnell (602) 451-5952

Board Meeting

TBA

Grower on Call

Wilella Stimmell
wilellas@att.net

November 2018

Helping Your Orchids Thrive in Challenging Conditions

We are pleased to welcome Tanya Lam from San Jose, California as our guest speaker. She will be “Helping Your Orchids Thrive in Challenging Conditions” and who doesn’t have those?

About Tanya...

Tanya has been growing orchids since 1997. She has been creative in adjusting her growing methods to raise her orchids with their healthiest rooting systems, and in turn enjoy their best performances in flowering. For most of her orchid growing years, her job required extensive travel, which required her to have good planning and orchid mixes that stay moist exactly 7 days. Tanya created her own mixes to fit her weekly watering schedule and condition. Tanya always looks for ways to improve her greenhouse operations and improve growing conditions. Orchid has become Tanya’s obsession and second profession. Tanya has seen orchids growing in their habitats in Australia, Bahamas, Brazil, China, Ecuador, Puerto Rico, Singapore, Thailand, and Vietnam. She loves to travel and dreams to visit many more orchid habitats in the world.

Tanya grows many species and hybrids in San Jose, California with a collection of over 2,000 plants and over 50 genera. Her special interests are psychopsis, dendrobium, epidendrum, paphiopedilum, encyclia, cattleya, vandaceous, and the few challenging angraecoids. She has recently explored many other orchid genera as well and expanded her orchid collection. Tanya likes “showy” orchids and on the search for long and/or frequent blooming orchids. She also likes to grow plants into specimen size. Her most favorite orchids are Psychopsis and Neofinetia (vanda) hybrids, both are almost always in bloom.

Tanya gives many orchid talks to orchid societies locally in the San Francisco Bay area and many cities where she conducts her Human Resources System consulting businesses. Tanya devoted each winter to work on orchid talk when the orchids need less attention besides collecting rain water. She held many board positions and is past vice president and past president of Malihini Orchid Society. Tanya is an active member of many orchid societies in California.

A list of plants available for pre order to be delivered at the meeting follows this newsletter. Tanya should be contacted by phone or email by November 3rd with your order

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From the President's Desk

Julie Rathbun

First an update on **Joe McLaughlin's health**. Recently, Joe had triple by-pass surgery. He's recuperating in rehab. In fact, his surgeon was impressed at how quickly Joe is recovering. We will miss him at our meetings until he's cleared to drive. Joe enjoys hearing from members of his orchid family. If anyone would like to call him on his cell phone, and you don't have his number, contact me. Don't be shy!

For those of you who missed our October meeting, our program consisted of plant sales of Gubler Orchids. We will also have a plant sale at our November 5 meeting. Dean and I returned from Landers on the day of our meeting. Both of us were exhausted, but nothing interferes with our monthly meeting.

Attendance at our October meeting was excellent, and we welcomed several new guests. We hope that our October guests will return to our November meeting and find sale plants that were **not** brought to our October meeting.

The **2019 Morongo Basin Orchid Festival** will be our **20th year** of participation in this fun event. Even though our traveling program team was limited to 2 members this year (we usually have 5-6 participants helping with the 6 programs we present in 2 days), we've never missed a festival between then and this year.

Thanks to **Chris Gubler and Heidi Gubler Brodeur and the staff at Gubler Orchids** for their generosity and assistance! Without their help, Dean and I might not have lasted through the 6th and final program.

During our November 5 meeting, we will also hold our election for 2019 officers and 2 trustees.

Our December meeting is our annual fundraising meeting with a greatly expanded refreshment table. This year the date is **December 3**. We need donations of plants and/or orchid-related items. If you don't have either of those items to donate, please bid on auction items. This is our **last** major fund-raiser for the year.

See you on November 5!

Julie

Kristin Huisinga Harned 1974-2017

It is with great sadness that we announce the passing of our first scholarship recipient. We recently discovered that Kristin Huisinga Harned, died September 26, 2017. She was a graduate of NAU and was only 43 years of age at her death. Kristin's obituary is below.

In remembrance of Kristin, at our November meeting, we will display the tri-fold of Hopi art that Kristin gave to us in 2005. Rest in peace, Kristin. You made a difference in so many young lives, and we are sure that the talented Hopi student interns whose drawings are featured in the tri-fold also miss you.

GILA HOT SPRINGS, N.M. – Kristin D. Huisinga Harned, 43, of Gila Hot Springs, N.M., was called home by our Lord on Tuesday, Sept. 26, 2017, after waging a determined and tenacious battle against stage 4 cancer.

Kristin was born on Jan. 28, 1974, in Decatur and lived on a farm in DeLand until age 10, when her family moved to Tempe, Ariz., in 1984.

She attended Northern Arizona University in Flagstaff and graduated summa cum laude in 1996 with a degree in botany. She completed her master's degree, also in botanical sciences, in 1997.

Kristin touched many lives in her short tenure on this earth. She co-authored a book, "River and Desert Plants of the GRAND CANYON," which was published in 2006. Kristin was a river guide on the San Juan and the Colorado River, working and guiding rafting trips for Arizona Raft Adventures.

She was privileged and blessed to make an annual trip through the Grand Canyon with the Hopi Elders, where she was invited to some of the Hopi's most sacred sites in the canyon.

Kristin met Jon Harned, also a river guide, on the Colorado River, fell in love and later married Jon on a hayrack wagon sitting in the Gila River in Gila Hot Springs, N.M. The family will create a perpetual endowment in Kristin's name at Northern Arizona University and award scholarships to students interested in botanical sciences. NAU will accept gifts directed to this endowment as well.

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www.orchidsocietyaz.org

Or to any of the Board Officers or Trustees:

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The Orchid Society of Arizona, Inc. is a non-profit 501 (C) (3) organization dedicated to community service and the study of orchids.

CULTURAL NOTE

A Bit on Artificial Lighting

When I first started growing orchids, some 45+ years ago, I made do with cold white crescent shop lights and ordinary incandescent light bulbs, set up 50/50 wattage-wise. We started seeing actual "plant light" bulbs and later T5HO fluorescents that really proved the environment for indoor growers. Now we have LEDs, which can save a bundle energy costs, but knowing exactly what size of a lamp to use can be a problem.

If you look at published culture sheets for orchids, you will see light recommendations along the lines of "1000–1500 foot-candles". The first thing we need to understand is that those numbers and units are a recommendation for the maximum amount of sunlight to which the plant should be exposed, and that if we are utilizing artificial lighting for the same dawn-to-dusk time period, the intensity should be approximately half that. The basic concept is that we are trying to match the total quantity (intensity X time) of light received at a constant intensity, rather than starting at zero at dawn, reaching a peak at noon and returning to zero at dusk.

Among horticultural professionals, that "total quantity" is known as the DLI, or "daily light integral". It is the sum of the photons hitting the plant over a complete day, and is expressed as the quantity of photons (moles) per area (square meters) per time unit (day). The rate at which light hits the plants is known as the PPFD, or photosynthetic photon flux density, and that is expressed as micromoles per square meter per second ($\mu\text{mol}/\text{m}^2/\text{sec}$).

Don't be freaked out by these terms, the conversion from foot-candles to PPFD is simple: full sun has an intensity of approximately 10,020 foot-candles at noon on a clear day, which is equivalent to 2000 $\mu\text{mol}/\text{m}^2/\text{sec}$, making the conversion factor 0.2, so our "1000–1500 foot-candles" maximum becomes 200 to 300 $\mu\text{mol}/\text{m}^2/\text{sec}$, suggesting that artificial lighting of about 100–150 $\mu\text{mol}/\text{m}^2/\text{sec}$, when used for 12-14 hours would be plenty.

In other words, if translating from a "maximum sunlight" recommendation in foot-candles to PPFD of artificial lighting, just divide by 10!

As there are so many different LED configurations available, ranging from all red and blue LEDs to various shades of white and some that claim to be "full-spectrum", it can be confusing. However, the PPFD value is often given for such lamps, allowing you to better estimate the needs of your plants, no matter what configuration you choose.

First Rays Orchids
Ray Barkalow

The Nominating Committee's Slate of Officers and Trustees for 2019

The election of OSA's Board of Directors for 2019 will be held during our November 5th regular monthly meeting.

The Nominating Committee is pleased to present the following list of candidates:

President: Julie Rathbun

1st Vice President (In House Program Chairman): Randy Ricardi

2nd Vice President (Outside Speaker Program Chairman): Lou Ann Remeikis

Secretary: Dean Toms

Treasurer: Wilella Stimmell

Trustee: Joe McLaughlin (Term expires 12/20)

Trustee: Elena Sibley (Term expires 12/20)

The Nominating Committee is encouraged by the ever-increasing number of newer OSA members who fully understand that maintaining our status as a 501 (c) (3) non-profit organization is predicated on our continuing focus on community service.

We believe the slate we have proposed for the upcoming election represents a strong, united, and dynamic team.

All members of OSA thank the two retiring Trustees for their dedicated service, Bob Blue and Lou Ann Remeikis, and 2nd VP, Joe Bacik

Our other two Trustees Bob McLeod and Barbara Parnell, will continue to serve until their terms expire in 12/19.

Respectfully submitted by:

Keith Mead (Chairman)
Jim Johnson
Pat Miller

OSA November 2018 Calendar

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

				1	2	3
4	5 OSA Meeting 7 PM	6  Election Day VOTE	7	8	9	10
11  Jo Anne Waddoups	12	13	14	15	16	17
18	19	20	21	22 	23	24  Madeleine Heberling
25	26	27  Rhonda Woodward	28	29  Terri Jackson	30  John Atwood	



Orchid Society of Arizona

c/o Keith Mead
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