

The Calypso

Volume 41 Issue 6 Nov. 2018

The Newsletter of the Greater Lansing Orchid Society

GLOS BOARD

President

Dawn Kittle 517-546-8016
dykittle@att.net

Vice President

Pete Ostlund 517-449-5248
p.ostlund@yahoo.com

Past President

Jerrie Nichols 517-223-8965
nicholsjerrie@gmail.com

Treasurer

Rob Halgren 517-256-5693
rob@littlefrogfarm.com

Secretary

Ioana Sonea 517-349-3792
isandcmb@sbcglobal.net

Newsletter Editor

Dot Potter Barnett 517-626-7295
dotbarnett@mac.com

Directors

Carol Ann Stuht 517-651-6494
castuht@gmail.com
 Becky Thayer 517-281-1810
reba48910@gmail.com

INDEX

- 2 President's Message/Give GLOS a Gift/GLOS Calendar/Plants needed for Saginaw Show
- 3 Sept. Judging Report
- 4 Trophy Sponsors/ All State Meeting Minutes
- 5 All-State Meeting Report/ Congrats to Bill C
- 6 GLOS Show Updates
- 7 Ray's Newsletter Culture
- 8 AOS Corner
- 9 GLJC News/Culture cont'd
- 10 Sept. Meeting Minutes/ Michiana Show Report
- 11 Vendor Ads/GLOS Info
- 12 GLOS Show 2019 Postcard

CALYPSO DEADLINE:

December 29 for the Jan. issue

The purposes for which the Society is organized are to create an awareness of orchid culture; to foster the preservation of native species of orchids; to support research and development of orchid culture; and to hold meetings, lectures, and exhibitions.

NOVEMBER 17 MEETING:

Presbyterian Church, Okemos

Doors open at 6:30 p.m. for:

- Plant shopping
- Experienced Society members will be available to answer questions and help problem solve orchid growing issues
- Please have refreshments in place prior to start of meeting.

Meeting will start promptly at 7:00 pm

Allen Black will be our November speaker. His topic is *Brassavola nodosa* and its hybrids.

"In this presentation, we explore the wonderful *Brassavola nodosa* and its hybrids. The presentation includes lots of beautiful pictures and covers the following topics:

- My Breeding Goals.
- *Brassavola nodosa*...the Species.
- *Brassavola nodosa* influence in breeding.
- A Look at *Brassavola nodosa* hybrids."

Allen Black Biography:

Allen Black was exposed to the pleasures of horticulture at a very young age in central Pennsylvania. Early exposure to houseplants, flower beds, and vegetable gardening was common for Allen in his formative years.

He is hobbyist orchid grower and breeder (i.e., non-commercial) living in Richmond, VA. He has been growing and breeding orchids for over 25 years.

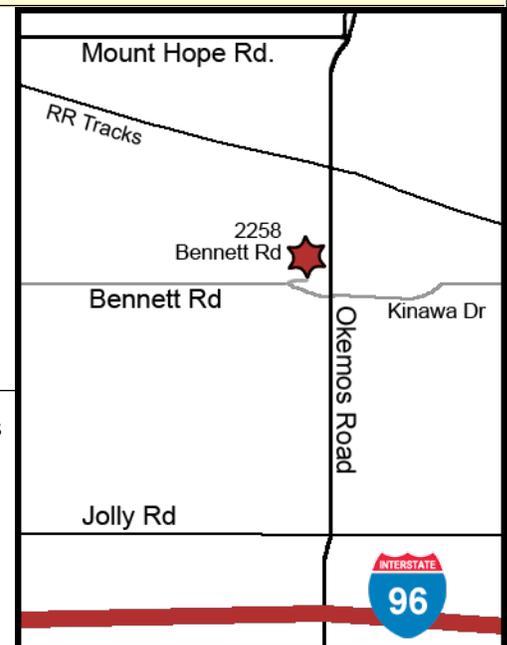


© Dot Potter Barnett

His main breeding efforts have been directed at *Brassavola-Cattleya* alliance novelty hybrids.

He has registered over 70 of his orchid hybrids.

(To see Allen's hybrids, go to:
<http://www.ablackorchid.com/>)



PRESIDENT'S MESSAGE -- Dawn Kittle

What an exciting couple of meetings! First, of course, was the Great Lakes Judging with a potting medium presentation thrown in for good measure by Dr. Kristen Uthus of New World Orchids. How very fascinating to learn the how and the why of orchid judging. From measuring the flower, counting the number of flowers and checking the color in natural light (if possible) to comparing the orchid to others in its category. What an involved task! Thank you orchid judges for letting us observe this process.

During that same meeting, we authorized the Mid-America Orchid Congress to meet in conjunction with our Orchid Show in February. Hopefully this will be a symbiotic relationship: their speakers will be in a different location but close enough for us to attend. This along with their other activities should prove to make ours a very busy and exciting show.

The October meeting was the All State Orchid Societies meeting with Andrea Niessan as our speaker. She gave a fascinating talk on Colombian Orchids. There were sale plants and food aplenty along with good conversations.

Also at this meeting, Dottie and Harry Winter received the Orchid Digest Diamond Award of Excellence for their outstanding contributions of time and labor to all of the various shows where they help.

Doris, Jack and I will be attending the Mid-America Orchid Congress meeting and Kansas City show in Independence, Missouri on Oct. 26 - 28. We'll report back for the next Calypso.

REGARDING THE SAGINAW VALLEY SHOW -- From Ioana Sonea

Ioana Sonea will be setting up the display at the Saginaw Orchid Society Annual show on Friday, November 23rd. If you've wondered what this entails and would like to try it out, you're very welcome to join Ioana on Friday!

You can bring plants for the show to the GLOS general meeting on Saturday November 17th, or drop them off at 3740 Chippendale Dr, Okemos, MI 48864 on Wednesday November 21st, between 5:30 and 10 pm. If neither of these dates and times work for you, we can make alternate arrangements.

If you like your plant's blooms, so will others, so don't hesitate to bring them: you may have a winner, and even if you don't, your plant is sure to help make the display beautiful!

Blooming plants should be pest-free and clearly identified (their name and yours) with tape on the bottom of the pot or some other inconspicuous place. Wrap them suitably for transportation to avoid breakage.

Please email Ioana (ioanamsonesa@gmail.com) with the official name of your plant(s) as well as its parents if known by Wednesday November 21st.

Looking forward to seeing you and your beautiful plants,
Ioana

GIVE A TAX-DEDUCTIBLE GIFT

The Greater Lansing Orchid Society is a 501(c)(3) non-profit organization. According to state and federal tax laws, this means that, if you itemize your deductions on your tax returns, you can deduct any contribution you make to the Society. As required by law, please note that you will not receive any gift or services in exchange for your contribution.

This means if you donate plants or other items to our meetings' raffles, you can deduct the value of your donated items. In addition, please consider making an end-of-the-year monetary gift to the Society.

Thanks to everyone for contributing!

→ Thank you to Julie Bishop, Dea Bishop, Dottie Winter and Doris Asher for the September meeting refreshments. Pete, Jerrie and Dawn have volunteered for our November meeting.

GLOS CALENDAR OF EVENTS

- **November 17** - GLOS General Meeting - Speaker Alan Black "Novelty Brassavola/Cattleya Alliance Breeding - Spiders And Stars"
- **November 24 - 25** - Saginaw Valley Orchid Society Show
- **January 19** - GLOS General Meeting - Presentation on flower arranging by Jenny Bond and Sue Wittick
- **January 26 - 27** - Grand Valley Orchid Society Show at the Frederik Meijer Gardens in Grand Rapids
- **February 23 - 24** - **Greater Lansing Orchid Society Show and Sale**
- **February 22 - 24** - **Mid-America Orchid Congress, Crowne Plaza Hotel, Lansing**
- **March 16 - 17** - Ann Arbor Orchid Society Show at Matthaei Gardens in Ann Arbor



AOS JUDGING AT GLOS SEPTEMBER MEETING - submitted by Doris Asher

Because Matthaei Botanical Garden could not accommodate the Great Lakes Judging Center for their regular monthly judging on September 15th, the judges brought the judging to GLOS!

GLOS members and the judges brought in about 25 orchids to be evaluated, and the fourteen judges, divided into four teams, looked at them all and awarded six. Six is a very high total for a monthly judging – fully 24% of the plants submitted!

Here is the list of award winners:

Bulbophyllum cupreum 'Little Stinker' CCM 84 pts Dave Miller

Brassocattleya Glorious May 'Syzygy' (C. Gene May x Morning Glory) HCC 78 pts Pete Ostlund

Rhyntonleya Raspberry Lemonade 'Syzygy 2' (Ctna. Maui Maid x Rlc. Doctor Joe Walker) AM 81 pts Pete Ostlund (Pete registered this hybrid in 2017!)

Habenaria Pegasus 'Honoli'i Wings' (carnea x medusa) HCC 78 pts Sandra Dixon

Phragmipedium Sunspot 'Wacousta' (Waunakee Sunset x schlimii) AM 82 pts Dot Barnett

Stanhopea saccata 'Matthew's Omega' AM 82 pts Dennis Seffernick

Members were free to sit in on as many judging teams as they wanted to and could ask questions of the judges as they did their work. One member: "This was fun, interesting and educational. Maybe the Judging Center should consider doing this once a year with GLOS — we did seem to have quite a lot of participation."

Congratulations to Pete and to Dot on their awards!

Photos courtesy of Ed Cott, not to be used without the express permission of the photographer.



Rhyntonleya Raspberry Lemonade



Stanhopea saccata



Habenaria Pegasus



Bulbophyllum cupreum



Brassocattleya Glorious May



Phragmipedium Sunspot

GLOS MEMBERS SHOW THEIR GENEROSITY - 2019 SHOW TROPHY SPONSORS - submitted by Doris Asher

Once again, Society members have come through, underwriting all but one of the trophies for our Show this February! The trophies will be prepared by Larry Galdes. I continue to look for someone to underwrite the trophy for Brassias/Miltonias. Who can help me?

Sponsors can save themselves expensive postage by paying Treasurer Rob Halgren in person at our November or January meetings. A check or cash is equally welcome – the cost is \$25.00. Checks payable to GLOS may also be mailed to Rob Halgren, Treasurer, 2100 Grovenburg, Lansing, MI 48911..

Thank you, donors, very much.

This year's sponsors are:

Trophy	Sponsor
Exhibits, Open	Pete Ostlund
Exhibits, Society	Pete Porciello
Exhibits, Amateur	Anonymous GLOS Members
Cattleya Alliance	Andrea Bishop
Cypripedium Alliance	Dot Potter Barnett
Phalaenopsis	Julie Bishop
Vanda and Ascocenda	Diane Zoeller
Brassia and Miltonia	Open – Sponsor Needed
Oncidium Alliance	Don and Jane Farrelly
Cymbidium Alliance	Dawn Kittle (in memory of Sherwin Kittle; in memory of Betty Jane Harvey)
Dendrobium Alliance	Michael Henderson
Pleurothallid Alliance	Lynn O'Shaughnessy
Alex Challis Memorial Miscellaneous Genera	Littlefrog Farm
Specimen Plant	Jerrie Nichols
Art (Excluding Photography)	Harry & Dottie Winter
Photography	Carol Ann Stult
Marilyn Lee Memorial Orchids in Use (Amateur)	Jim Heilig
Orchids in Use (Professional)	Tammy Scherer & Jim Churn
Don and Kris Garling Memorial Best of Show	Jan Szyren
AOS Show Trophy – Outstanding Exhibit	Greater Lansing Orchid Society

SPECIAL ALL STATE SOCIETIES MEETING MINUTES - submitted by Ioana Sonea, Secretary

The 2018 All-State Orchid Societies Annual Meeting was hosted by GLOS on October 13th, 2018.

The meeting was well attended by more than 55 people, with all Michigan orchid societies represented. Dottie Winter set up the tables for refreshments, which were abundant and excellent, tempting many to throw any thoughts of dieting to the winds!

Attendees also browsed the many orchids for sale from Orchideas del Valle, owned by Andrea Niessen and Juan Carlos Uribe.

The meeting was called to order by Jack Shumaker at 1:40 pm.

The first item of the day was the presentation on behalf of the Saginaw Orchid Society, of the Orchid Digest Diamond Award of Excellence to Dot and Harry Winter, in honor of their outstanding services to all orchid societies. Harry and Dot are always the first to volunteer for any task, and are tireless and much appreciated workers at both GLOS and AAOS meetings and events. Both societies are extremely grateful for their help: this award was well deserved!

Jack Shumaker then presented the representatives of each of the Michigan Orchid Societies with a CD of the previous year's talk.

Andrea Niessen then gave an excellent talk about orchids in Colombia, showcasing the diverse habitats of that ecologically very diverse country, and the growth habits of many beautiful native orchids. She provided many suggestions for culture of these plants, and was happy to answer questions from the audience.

Following the talk, attendees socialized some more, purchased orchids from Andrea and Juan Carlos, before the meeting was adjourned at 4 pm.

Editor's note: Orchideas del Valle website is: <http://www.orquivalle.com/> Click on Language>English at the top of the page.



**SPECIAL OCTOBER 13
ALL-STATE SOCIETIES
MEETING
with
ANDREA NIESSEN

THE ORCHIDS
OF COLOMBIA**



Photos by Dot

Thanks to Jack Schumaker for organizing these All-State Societies meetings each October. They have all been very interesting and informative, and this year was another great success!



Congratulations
to Dottie and Harry Winter on their award for all their volunteer work for orchid events, especially this one. The award is the Orchid Digest Diamond Award of Excellence. This is what is written in the Orchid Digest:



“Michigan is extremely fortunate to have a “couple” of outstanding orchid enthusiasts living within our great state. Harry and Dot may belong to one society (*editor’s note: they actually belong to two*), but they do work at every show and event that they attend. They both help out whenever any job is needed, for example filling in for vendors if they need a break. Harry and Dot do this very willingly and with a smile. Very few people see the work they do, but the ones who do are very grateful. It is an extreme honor to have Harry and Dot Winter as friends and cohorts in our orchid community. For this we honor them and their work with the Orchid Digest Diamond Award of Excellence.”

Congratulations to Bill Cadman!

From the editor: Georgian told me that Bill had one of his Bonsai plants get into a national Bonsai exhibition. Here is what Bill said:

“The event was the 6th US National Bonsai Exhibition. (www.usnationalbonsai.com) The exhibition is held every two years in Rochester, NY. It’s a “juried” event (jury of one, haha), featuring about 200 displays from across the country. My tree didn’t receive any special recognition or prize, but it was fun.”



Pinus contorta ssp. contorta
Photo courtesy of Bill Cadman

FEBRUARY 23-24, 2019 GLOS ORCHID SHOW - submitted by Pete Ostlund, Show Chair

The dates for our 36th orchid show are February 23 -24, 2019. The planning for the show is well underway. Please mark your calendars. We'll need volunteers for various duties for the show dates and for the 2 days prior (February 21 and 22).

The Show Planning Committee for this year's show include:

- AOS Judging - Lynn O'Shaughnessy
- Art Exhibits, Orchid-Related - Carol Ann Stuht
- Classes for Public - Mike Underwood
- Flyer/Handouts - Dot Potter Barnett
- GLOS Exhibit - Bill Cadman
- Hospitality - Teresa Fowle
- Information Table/Membership - Christina Gregg/ Mary Henman
- Judging Activities/Registration - Doris Asher
- Kids' Corner - Diane Zoellner/Michael Bukala
- MSU Liaison - Ioana Sonea
- Orchids-in-Use Competition - Jenny Bond and Sue Wittick
- Parking Permits/Signage - Ioana Sonea
- Publicity (not TV) - Ioana Sonea
- Television Publicity - Pete Porciello
- Vendor and Exhibitor Liaison - Pete Ostlund

A big THANK YOU to these people for offering their assistance in making our show a success. If you'd like to help out and/or learn about any of these activities, please contact the committee lead for that activity.

The following vendors have indicated they are coming to our show: Oakwood, New Vision, Hilltop, Orchid Inn, Ortonville Orchids & Tropicals, Windswept in Time, Natts, Little Frog, New World, and Roberts Flower Supply. Additionally, Mei's Creations will be offering various items with orchid themes for sale.

More information about the show will be coming out in future months. But we need volunteers to make the show a success. Please mark your calendars for February 21 - 24 so you can avoid other conflicts.

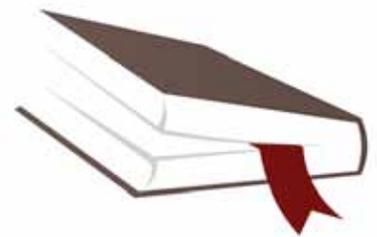
Thank you.

USED ORCHID BOOKS/PERIODICALS WANTED - submitted by Doris Asher

Do you have some orchid books or orchid periodicals that you no longer want? For several years now at our Orchid Show, we have sold numerous used books donated by various Society members. Visitors to the Show snap them up very quickly and, because the books are donated, the Society makes 100% profit. We use the orchid magazines as free giveaways to our visitors to encourage their joining our Society.

Because this service is so popular, we would like to offer inexpensive, used orchid books again at this February's Show. Since GLOS is an IRS not-for-profit 501(c) 3 organization, you may deduct the value of the books and magazines you give us. The Treasurer will be happy to provide you a receipt for your gift.

Please consider giving such items at this November meeting to Doris Asher, Christina Gregg or to Mary Henman, our Show's Information Table Co-Chairs.

**REMINDER: WEAR YOUR SOCIETY NAME TAG** - submitted by Doris Asher, Membership Chair

Please remember to wear your Society name badge to our November meeting (and to every other meeting, too).

As an incentive to wear the name tag, which is very nice for visitors and for those of us with failing memories (!), anyone who wears the badge AND purchases even one raffle ticket at \$1.00 per ticket will get a complimentary raffle ticket.

Wear your badge to the meeting. Let's help everyone greet everyone by name by wearing a name tag.

Wear your badge. Get an extra raffle ticket!

If you cannot locate your name tag, please let your Membership Committee (Doris or Dot) know. Dot will make you a new one.

CULTURAL NOTE - FROM RAY BARKELOW OF FIRST RAY'S ORCHIDS NEWSLETTER**A Bit on Artificial Lighting**

When I first started growing orchids, some 45+ years ago, I made do with cold white fluorescent shop lights and ordinary incandescent light bulbs, set up 50/50 wattage-wise. Then we started seeing actual "plant light" bulbs and later T5HO fluorescents that really improved the environment for indoor growers. Now we have LEDs, which can save a bundle in 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. To see the explanation of that, SEE BELOW, but 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 PPF, 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 PPF 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 PPF 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 PPF value is often given for such lamps, allowing you to better estimate the needs of your plants, no matter what configuration you choose.

Until next time... Good Growing!

LIGHT LEVEL RECOMMENDATIONS

Light... A basic need of all plants, but a subject that is often misunderstood.

For example, when we hear light level recommendations for a particular plant, it is often "low-", "medium-", or "high-light", but what exactly does that mean? Unfortunately, depending upon the source of the information, that can vary all over the map.

Generally, I like to think of things in terms of degree of shade, and even then it's not particularly specific. Let's start at the extremes – to me, a "low-light" plant is one that does best in indirect light only, never seeing any direct sunlight. I would put most phalaenopsis in that category, for example. At the other end is "high light", which basically connotes full sun. I have found *Rhyncholaelia digbyana* to be a plant that does best under that light level, as do most other plants with terete leaves. Then there is that large area in-between.

When deciding the relative degree of light a plant may like, it pays to consider their conditions in nature. *Paphiopedilums*, for example, usually occupy places in the leaf litter on a forest floor, so have a lot of cover over them, allowing a few shafts of sunlight to penetrate. Cattleyas, on the other hand, can be higher up in the canopy, where they will have less cover, so tend to get more light, with a moderate degree of dappling.

Folks who grow under lights, or are keen to check levels with a light meter, where lumens and foot-candles are the controlling factors, can also be led astray by the guidance. I'll use a hypothetical scenario to demonstrate:

You just moved into a dark apartment, so want to grow your orchids under lights. In your reference books, the particular plants come with a recommendation of "2500- to 3000 foot candles". So, you do some online research and find out that a 2-bulb, 48" T5 HO fluorescent fixture might just be what your looking for – starting out at about 10,000 lumens, you'll be able to elevate the fixture about 9" to 12" above the plants and get about 3000 foot-candles of light intensity. Fourteen hours on and ten hours off ought to do it, right? Actually, you'll be overdoing it at that intensity.

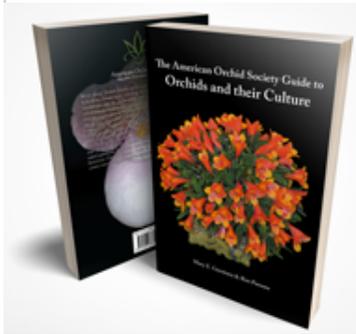
continued on p.9

You are receiving the Calypso either as a PDF file, a hard copy, or both, depending on what we have from you in our records. If you would like to change this, please tell either Dot or Doris Asher. *If you are not receiving emails from us, please let Dot or Doris know -- we will need to know if we have your correct email address!*

If you have not received the PDF file by at least one week before the General Meeting, please let Dot know.

A new AOS publication is coming soon!

The American Orchid Society Guide to Orchids and Their Culture



The American Orchid Society Guide to Orchids and Their Culture book by Mary Gerritsen and Ron Parsons will be available later this year. We are sending an exclusive sneak peek of the cover to all AOS Members. This 250-page tome will become a definitive orchid resource and a prized addition to your book collection.

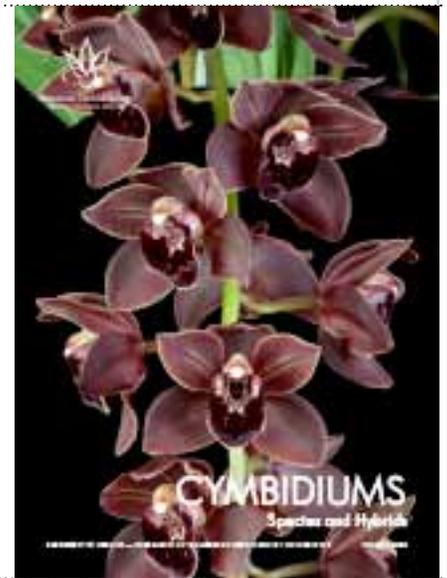
AOS CORNER**The Annual Supplement Is Here!**

With the October issue of ORCHIDS you will receive Cymbidiums, the full-sized annual supplement that we have been eagerly awaiting. Whether in print or in digital format, this year's supplement is sure to become a classic. An 80 page, color extravaganza including:

- White Cymbidiums and Charisma by Greg Bryant
- Red Cymbidiums by Carol Butcher
- Cymbidium Section Jensoa by Kenneth P. Jacobsen
- Cymbidium devonianum by Keith A. Andrews
- Cymbidium madidum by Nancy McClellan, Kevin Hill and Kathy Barrett
- Cymbidiums of the Indian Himalayas by Keshab C. Pradhan
- Cymbidium Alexanderi 'Westonbirt' by Jean Allen-Ikeson

and much more!

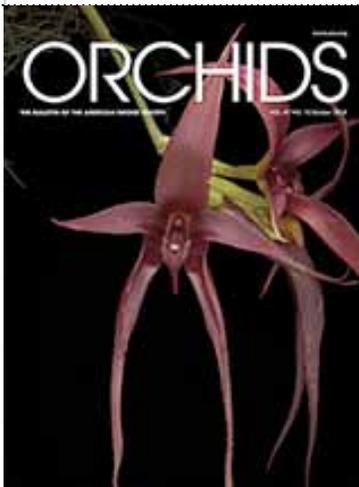
Extra copies are available for sale at \$25.00.

**Calling orchid aficionados!**

The deadline for submission for the Dillon-Peterson Essay Contest is November 30th, 2018. This year's theme: Bells and Whistles: Ingenuity and the Orchid Grower.

The winning entry (if any) will be published in the June 2019 issue of ORCHIDS at the discretion of the editor. The winner of the prize will receive a cash award supported by the dividends and interest on an endowment from the Northeast Judging Region.

For complete information including contest rules please visit our website.

**October Issue of ORCHIDS**

The October issue of ORCHIDS along with the Cymbidium Supplement are now in the mail to current print members and available on our website to all current AOS members. Log in to read it online now.

This month you can enjoy in-depth articles about Phalaenopsis lueddemanniana, Miniature Cymbidiums Hybrids, Angraecum mahavavense, "Bulbophyllum Karen Lewis: The Newest Frontier", Ansellia africana, Orchid Hygiene, and more

COME TO AN ORCHID HOLIDAY PARTY

The personnel of the Great Lakes Judging Center invite you to join us for our annual holiday party on Saturday, December 15, 2018, at the Matthaei Botanical Gardens, Ann Arbor, MI.

At 11 am the festivities will open with a presentation on recently-awarded orchids – always a feast for the eyes. Next we shall feast on a potluck lunch provided by the judges for all to enjoy. Plan to have a fun time with orchids, books, holiday items (and who knows what else) for auction! The proceeds support the Judging Center.

Regular orchid judging takes place immediately following the festivities. All visitors are welcome to sit in on the judging – and to bring an orchid to be judged.

For additional information, contact Doris Asher at 517-332-0004 or [asherdoris44@gmail.com/](mailto:asherdoris44@gmail.com)



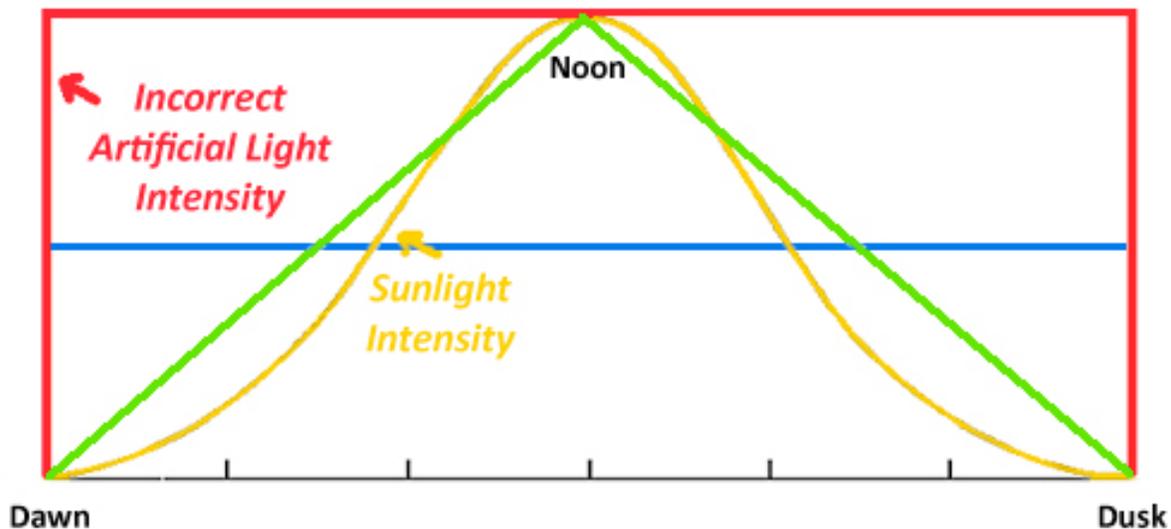
ANNOUNCEMENT FROM THE GLJC

The Greater Cleveland Orchid Society Show and Sale will be February 16-17 this year – the third Saturday of February. The Great Lakes Judging Center is moving its regular monthly judging from Matthaei Botanical Gardens in Ann Arbor to the Show site in Cleveland, the Cleveland Botanical Garden, 11030 East Blvd. Please update your calendars so that you will not bring your orchids in bloom to Matthaei on February 16th to be judged.

Doris Asher, GLJC Liaison to Matthaei

FROM RAY BARKELOW OF FIRST RAY'S ORCHIDS NEWSLETTER - continued from p. 7

It pays to consider two things about the interaction between plants and light: First, that the “2500- to 3000 foot candles” recommendation as the highest light level the plant can comfortably take. The intensity of natural sunlight goes through a “bell curve”, starting at zero at dawn, reaching a maximum at noon, and returning to zero at dusk (the yellow line in the graph below). Second, the absorption of light – photons, to be precise – is cumulative. Within reason, a relatively short period of brighter light is roughly equivalent to a longer period of dimmer light. The area of the “bell curve” of natural sunlight – the “volume” of photons, if you will – can be estimated by superimposing a triangle on it (green), and as the area of a triangle is one-half its height multiplied by its base, that suggests that, under lights, our “2500- to 3000 foot-candle plants: would do much better under twelve to fourteen hours of continuous 1300- to 1500 foot-candles (blue).



Also keep in mind that plants can be fairly adaptable about light levels, and that “more” is not necessarily “better”. I have seen vandaceous plants adapt quite well to the lower light levels of windowsill growing, while phalaenopsis grown in too much light simply refuse to bloom at all!

GLOS SEPTEMBER 15, 2018 MEETING - submitted by Ioana Sonea, Secretary

President Dawn Kittle called the meeting to order at 7 pm. There were 36 attendees, including a couple of guests that Doris Asher welcomed.

Business items

1. Jack Shumaker encouraged attendees to attend the fall Mid-America Orchid Congress (MAOC) held on October 26-28, 2018 in Independence, MO. These congresses are a great way to learn more about orchids and to meet more orchidists.
2. Jack Shumaker reminded attendees about the All-State Orchid Societies Annual meeting, scheduled for 1:30 pm Saturday October 13th, 2018. It will be hosted as usual by GLOS, with other societies contributing refreshments. Andrea Niessen will talk about Colombian orchids and will have plants for sale.
3. President Dawn Kittle brought up the matter of hosting the Spring 2019 MAOC concurrently with the annual GLOS Orchid Show. After much discussion, the attendees voted overwhelmingly in favor of hosting the Spring 2019 MAOC.
4. Pete Ostlund, GLOS Show Chair, updated the attendees on preparations for the show. All is on track for a successful show. The only items of note were:
 1. All but 2 of the vendors have replied that they are returning (with the exception of Raising Rarities, who is withdrawing from the business). A vendor has been located who will replace RR.
 2. Potential chairs for Hospitality and Orchids in Use have been contacted but not yet been finalized.

Program:

Kristen Uthus gave an excellent presentation on the topic of potting orchids, specifically how to choose a medium based on the plants' preferences and your own circumstances.

After the presentation, four judging teams were formed to assess the orchids that had been submitted. Teams were:

1. Bill Porter, assisted by Doris Asher, Kirsten Uthus and Gordon Griffin
2. Dennis Seffernick, assisted by Dave Miller and Joe Peterson
3. Bill Overton, assisted by Rob Halgren and Lynn O'Shaughnessy
4. Greg Filter, assisted by Sandra Dixon and Ed Cott.

Attendees were free to join any team and observe how the plants were assessed. All participants learned a lot about flower qualities and the judging process. It was a success all around, and many members suggested making this a regular feature of GLOS general meetings.

Part of the excitement was seeing AOS awarded plants. (Please see p. 3 of this issue for a complete listing.) As judging was winding down, the silent auction and raffle were held, yielding \$55 for the silent auction and \$57 for the raffle.

The meeting ended at 9:30 pm.

REPORT: GLOS at MICHIANA - Submitted by Dot

Thanks to Tammy, Jerrie, Pete O and Dot for offering their plants for our display. Jerrie and Dot put together a basket display in Dot's home.

Thanks to Bill and Marilyn Porter for taking the baskets to Michiana and setting up the display. Bill even purchased a nice big black cloth to cover the table before setting up the baskets. Thank you, Bill!



Photo courtesy of Rob

Results of ribbon judging:

<i>Orchidist</i>	<i>Orchid Name</i>	<i>Ribbon</i>
Society Display		2
Jerrie Nichols	Cattleya maxima v. striata	1
Pete Ostlund	Phragmipedium Wossen	1 + Best of Class
	Habenaria medusa	2
	Habenaria Regnieri	1
	Cattleya Seagulls Crawfish Pie	2
Dot Potter Barnett	Lycaste cochleata	1
	Paphiopedilum helenae	2
	Phragmipedium Petite Queillette	2
	Phalaenopsis heiroglyphica	1
	Phalaenopsis Maui Galaxy	2
	Vandacostylis Lou Sneary 'Bluebird'	2

Finally, thank you, Rob, for taking down the display and bringing it home. Rob had a nice Vendor display, also, and brought home a "Best of Class" ribbon for his Paph.

Congratulations to Pete & Rob!



Littlefrog Farm
Rob Halgren, PhD.

JUMP IN!

<http://littlefrogfarm.com>
rob@littlefrogfarm.com

PO Box 27573
 Lansing, MI 48909

GLOS Web Site:
<https://greaterlansingorchidsociety.com>
 Facebook
<https://www.facebook.com/Greater-Lansing-Orchid-Society-202834892618/>

Taylor Orchid Greenhouse

Nothin' But Orchids

Open on request

734-243-0180

3022 Bluebush Rd.
 Monroe, Michigan 48162

SELLING ORCHIDS AT GLOS MEETINGS:

Perhaps a plant has outgrown its home, maybe you have a division to share, occasionally you may find a plant doesn't bloom for you or like your conditions, possibly you need to make room for something new, or you just no longer want a certain plant.

Whatever the reason, the Raffle and the Silent Auction Tables are great places to share your no-longer wanted orchids with fellow society members.

Please keep in mind, however, that shared plants should be healthy, free of diseases and insects, and be generally well-cared for. Just as you wouldn't want to take home a sick plant, neither should you expect others to accept one. Such plants are better off becoming a part of a compost pile than potentially passing on its ailment(s) to another's collection.

The Society does have a responsibility to not allow diseased or insect-infested plants to be distributed at our meetings.

However, we all take great pleasure in finding, growing and blooming treasures from the Raffle and Silent Auction Tables.

GLOS Advertising Policy

Commercial members may advertise their orchid businesses in the Calypso at no extra charge. Ads will appear as space is available and in the order they are received. Advertisers are responsible for preparing their ads. Standing Ads size should normally be 2" x 3" but exceptions may be made for special events. Submissions will be considered a one-time-only unless designated as standing ads. Please check the stated deadline for submission to any Calypso issue. Submissions may be made via email or regular mail.

Non-commercial members may also advertise orchid related items in the Calypso under the above conditions.

→ ATTENTION GLOS MEMBERS:

Now is the time to plan and create an art/photography entry for our February show. Don't be shy. This is your show! Contact me, Carol Ann Stuht, for specific information:

517-651-6494

castuht@gmail.com

→ Notice to all GLOS members: The latest update to the GLOS Roster is now complete, and you should have received your email copy by now. If you have not, please contact Dot Barnett for your PDF copy. If you want a paper copy, Doris Asher will have them available at our November meeting.

The End Page

GREATER LANSING ORCHID SOCIETY ORCHID SHOW & SALE

**February 23-24, 2019
Michigan State University
Plant & Soil Science Conservatory**

**Hours:
Sat. Noon-5
Sun. 11-4**

**orchid sales
orchid displays
orchid growing classes**



**Free admission/parking
Donations accepted
Handicapper accessible**

**Mid-America
Orchid Congress
in East Lansing
same weekend**