



Volume III Issue 7
September-October 2022



Orchid Society
of Greater
Kansas City

OSGKC.org

*As a non-profit organization to...
...Promote interest in and to
disseminate information in
culture, development, and
hybridization of orchids.....*

The Orchid Society of Greater Kansas City meets the 2nd Sunday of each month. Annual dues are \$25 for Individuals and \$30 for Household.

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charland.ek@outlook.com

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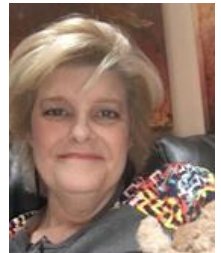
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September-October News!

Comments from Kristy Charland, President

Happy Fall All,

My goodness. Cooler temperatures arrived quickly. Now, I'm making plans to bring in most of the orchids that were 'summering' outdoors. Off to buy some insecticidal soap to try to rid them of any hangers on. Hey, you know what? We're having an ORCHID SHOW! So much planning has occurred and is continuing. The work at Merriam Community Center begins Friday, October 28. The following are the Show Committees. Please read over these and think about where you would like to help. Publicity Distribute flyers to friends, neighbors, your email list. Take flyers to places where you think interested folks frequent. Room Layout and Set-Up join us early, approximately 1:00 on Friday the 28th to check the floorplan given to MCC, and distribute tablecloths. Vendors Help the vendors bring in their items when they arrive on Friday. Exhibitors Help the exhibitors bring in their plants and infrastructure for their exhibits on Friday. Signage Help place the signs around the MCC area to direct people to the show. This will take place Friday evening. We'll also have signs for each exhibit/vendor that will need to be placed at their table. Hospitality Here's a big one! Diana Thomas and her assistant Jean Rogers will need help. We'll have a signup sheet at the next meeting. We're offering snacks and a light dinner on Friday, breakfast snacks and lunch on Saturday, and breakfast snacks and light lunch on Sunday. Plant Registration Mark is in charge here, and may need some writing help to fill out entry slips. OSGKC Exhibit Another big one! Please prepare your blooming plants for the exhibit. And then come to help or observe the set up on Friday. Crystal Remington and Cindy Hobbs will need your assistance. Admissions sign up to take a shift of admitting folks to the show. Raffle sign up for a shift to sell raffle tickets. Information Table sign up to hand out information about AOS, OSGKC, and culture sheets. Ribbons and Awards Joy may need help to place awards at the proper place at exhibits. Judging and Clerking Mark is our Head Judge. Clerking is fun and you will learn so much. Sign up to take part in this. You will need to be at MCC at 8:00am Saturday morning. Generally, members of other Societies will help too, so it's a great way to meet more orchid fanciers. Photography As of writing this, I haven't heard back from the member that I asked to take photos of our and other exhibits, and special flowers on display. If you have a particular talent for



photography, please let one of the board members know.

Be well,

Kristy

Comments from Jean Rogers, Editor

Did you notice the Newsletter header??? Isn't it beautiful?? Sue Bondurant who was a member before Covid, had offered to help with the newsletter. She is a computer designer and does beautiful work. She designed this header and has given me permission to use it. I am thrilled. It adds such a stunning and professional introduction to the newsletter. Her email is sueb5571@gmail.com if you'd like to pass on your thanks to her.

Please remember that we'd like to see your blooming orchids. Feel free to take pictures anytime during the month and then send them when I let you know I'm working on the newsletter. We love seeing each others' successes. They are "For Viewing Pleasure" only – not for judging which is done at the meetings.

If you find a new product or potting information, have an inquiry, or any other thing you think other members might be interested in, please send it to me and I'll include it in the newsletter. jeanierogerswarren@gmail.com Check out "Ideas, Items, and Inquiries" after the pictures.

If you have questions/problems, remember to bring your plant or pictures of it to the meeting. If you don't want to wait till next meeting, you can always post to Orchid Growers of OSGKC Facebook page and get help from other members. And if you don't do Facebook but you are an AOS member, you can send pictures to the Greenhouse Chat (see AOS Webinar Chart below) and experts will help you during the Webinar Chat AND follow up with you. If you are not an AOS member, please consider becoming one. You can do that at their website. <https://secure.aos.org/store/register-renew> And for any help, please contact Mark Prout, AOS Rep for our Society.

Happy orchid growing
Jean

Project Plant Recap & Update

Hi all you project plant participants! Sunset Valley Orchids provided the offsprings of (C. Fire Fantasy 'H&R' x C. Cosmic Delite 'SVO' HCC/AOS), for the first 'project plant' we did. Now registered as C. Warpaint, another has bloomed in September, 2022 – Dipti Solanki's. Please share pictures when yours blooms. Kristy Charland has formed an 'album' on our Orchid Growers of OSGKC Facebook page where we can see how different the flowers can be. Please go to the website listed below to keep up with the blooming. She'll keep adding them as they bloom. Fun, Fun!!!!



Facebook Group

Our Facebook page, Orchid Growers of OSGKC, is a great place for us to communicate, share, learn from each other. All through the month we have orchids that bud and bloom and we get so excited and want to share it, and the meeting is sooooo far away!! Use the Orchid Growers of OSGKC Facebook Page. Here is the link: <https://www.facebook.com/groups/909878999427064/?ref=share> It is easy to post your precious orchids and get oooohhs and ahhhs from other members. Or something is going on and you want to ask someone – post it on this page. If you need Facebook help (I know I did and still do!!) contact Kristy (charland.ek@outlook.com). She'll be glad to help. **If you want to email us**, please contact Megan Mayo – Mentor Chair to connect you with someone.

Meetings

Upcoming meeting(s) - From Susie Hanna, OSGKC Program Chair:

Upcoming Programs and Events

Alan Koch was going to be our speaker but has had to reschedule for January. We will look forward to his presentation then.

October meeting will be a busy one!! We will have Mark Prout teaching about Paphs. in the beginners group. As always, Round Table will be available to help with any questions, concerns regarding your orchids. Hope you all are ready to transition your orchids back indoors.

The meeting time will be spent mainly in preparation for the show. Members will be updated on what's current, and then there will be lots of planning, preparation and 'covering all the bases'.

Then Ken Plahn will provide a seminar on repotting Paphs.

Regional Orchid Show hosted by OSGKC – ‘Bewitched By Orchids’

Set-Up Friday afternoon and Evening, October 28

October 29 and 30

Merriam Community Center

All hands on deck for a great orchid show at our beautiful meeting facility! This will be an AOS-officially judged show. Invitations will be sent out to area societies in Missouri, Arkansas, Kansas, and Nebraska to participate. Each society can put in a table-top or floor-sized display of orchids. Also, individuals in our society and in the other societies, may enter exhibits. Exhibits can be very small, (5-10 plants) on up to large displays. There are categories for non-plant exhibits including educational displays as well as artwork (paintings, photos, and other arts and crafts featuring orchids.)

Start the creative juices flowing now. You can also submit cut orchid flowers in an arrangement or for personal adornment (corsages, bouquets, hair pieces, etc.)

Covid has prevented our society from sponsoring a show for the past two years. In fact, it will be three years ago that we had our last show, so we have a lot of throttled energy to release and a new facility with a great location that will make this a very successful show.

Show chairs, Kristy Charland and Susie Hanna, will be calling upon members in the next few weeks to launch the planning process. Committees to carry out the many details of a show will be formed, so there will be lots of opportunities for volunteers. Don't be shy! Get involved. Let Kristy or Susie know that you'd like to help in some way large or small.

ORCHID SHOW & SALE

'Bewitched By Orchids'



Sat. & Sun., OCT. 29-30

Hundreds of beautiful orchids on display

Internationally and Nationally known vendors selling orchids

Orchid Society of Greater Kansas City www.osgkc.org

Merriam Community Center

6040 Slater St. Merriam, KS 66202

Sat. 10-5, Sun. 11-4

\$5 admission

Use the link below, or
scan QR Code to the right.

<https://ticketstripe.com/events/1030332>



ORCHID SHOW & SALE

Amazing Vendors:

**Birds Botanicals – Kansas City - David and Vashti Bird,
Formerly in “The Cave”**

**Natt’s Orchids – Chicago - largest Vandaceous orchid
grower in the Midwest.**

**Deerwood Orchids – Minnesota - by Ross Hella,
specializes in breeding Paphiopedilum orchids**

Jen Winter – NEW source for orchids in the KC metro area.

Stunning Exhibits of Flowers, Orchid Art, Orchid Collectables, and Educational Information by:

***Orchid Societies from the area States**

***Vendors**

***Orchid Society Members**

Raffle – Gift Certificates to multiple vendors

May Speaker Review by Cindy Meyer and Crystal Remington

Kelly McCracken High Desert Orchids: Growing Under Lights

Kelly discussed how she adapts her living space and greenhouse to combat the dry heat of Albuquerque. Shelves, light tunnels, tents, and a hanging garden are great ways to get a variety of lighting options. Light is measured in Lux, Lumens, Foot candles, and watts, but these measurements are what humans can see. Plants see light differently, so you are looking for PAR (Photosynthetic Active Radiation) and PPF (photosynthetic Photon Flux Density). Plants absorb mostly blue and red light, and mostly reflect green and yellow light. When purchasing lights pay attention to the PAR map. Barrina is a highly recommended brand. In Kelly's experience the photoperiod doesn't make a difference. Light types: 1) Bulbs have small coverage. 2) Bar lights have uneven distribution, where the middle has the strongest light distribution, panel great light distribution, but an intense light. Light falls in a pyramid shape not a box. Keep this in mind when creating your microclimates. You can use multiple lights or reflectors. Use your phone and a light meter app to find the bright and dim areas of your microclimate. Light spectrum: blurple only red and blue vs full spectrum.

kelly@highdesertorchids.com

Judging Notes...

Upcoming AOS Judgings Around Our Region

If you have an orchid blooming that you think is FANTASTIC – Contact Mark Prout. If it is time for a meeting at the Judging Center – they could take your plant to be evaluated for an award (and/or give you their best opinion if it indeed should be looked at). There are Judging Centers all-across America. The one closest to us is the MidAmerica Judging Center in St. Louis, MO. It holds monthly judging on the 2nd Saturday of each month. The mission of the Judging Centers is to provide orchid growers in the region with the opportunity to have their plants evaluated and judged for AOS awards. These include HCC, AM, FCC, JC, AQ, CBR, CHM, CCM, and CCE.

October 8, 2022

Mid-America Judging Center monthly judging, noon, Missouri Botanical Garden, Commerce Bank Center for Science Education, 4651 Shaw Blvd., St. Louis, MO

October 29-30, 2022

Orchid Society of Greater Kansas City “Bewitched by Orchids” show and sale, Merriam Community Center, 6040 Slater Street, Merriam, KS

OSGKC Judging

Ribbon judging at our meetings at the Merriam Community Center are not official AOS judging events, but are an introduction to the judging process and a way for members to share and learn more. Seeing orchids in flower is one of the greatest joys of our meetings and we are so happy to be able to do this again. Please bring in your blooming orchids, even if you don't think they are "award quality". You will always learn something by bringing plants in to discuss and share with other members. And, ribbons count for points which build through the year for our year-end award presentation each December.

August Meeting Judging Results by Cindy Meyer and Jean Rogers

Blue Ribbon Winners

Cattleya: Bc. Boulah Bradeen by Kristy Charland
Oncidium: Hwra. Lava Burst by Crystal Remington
Phalaenopsis: Phal. Tetraglyph by Kristy Charland
Phragmipedium: Phrag. longifolium by Kristy Charland
Dendrobium: Den. Razzle Dazzle by Ariel Paulson
Other: Coelogyne tommie by Kristy Charland

Red Ribbon Winners

Cattleya: C. Bethune 'Indigo' by Ariel Paulson

Paphiopedilum: Paph. godeforyae alba x wenshanense aurea by Annie Heath

Phalaenopsis: Red Pearl by Sariah Kinney



August – Orchid of the Month

Den. Razzle Dazzle

Grown by Ariel Paulson

September Meeting Judging Results by Cindy Meyer and Jean Rogers

Blue Ribbon Winners

Phalaenopsis: Phal. Red Pearl by Sariah Kinney

Pleurothallis picta by Anh Rongish

Dendrobium: laevifolium by Brian Donovan

Paphiopedilum: Paph. henryanum by Brian Donovan

Vanda: Vngl. Lemon Drop by Kristy Charland

Other: Habenaria Spoon bill AND Habenaria medusa by Dr. Dan Schlozman

Red Ribbon Winners

Cattleya: Slc. Fire Fantasy x Slc. Cosmic Delite 'SVO' by Dipti Solanki

Paphiopedilum: Paph. Odette's Whim AND Paph. In-Charm Cloud by Jean Rogers

Dendrobium: Den hekovense by Brian Donovan

Phalaenopsis: Phal. L. D. Bear Queen 'Wilson' by Dr. Dan Schlozman

Phalaenopsis: Norman's Yellow Butterfly 'Sweetheart' by Kristy Charland

Species: Phal. equestris coerulea by Brian Donovan

White Ribbon Winners

Paphiopedilum: Wossner Ministar by Crystal Remington

Species: Phal. equestris coerulea by Brian Donovan



September – Orchid of the Month

Paph. henryanum
Grown by Brian Donovan

For Fun and Learning!!

Orchid Growing Tidbits (How I Grow It.....)

Some individual genera – Blue Ribbon Winners and special orchids - *How I grow It:*
August



Hwra. Lava Burst by Crystal Remington Oncidium Category

Hwra. Lava Burst is grown underlights in the basement, spritzed daily with either reverse osmosis or tap water depending on what I have. I fertilize with MSU fertilizer 1x per month. It is a nice small compact orchid that blooms consistently 1-2x's per year.



Cattleya: Bc. Beulah Bradeen by Kristy Charland

Typical Cattleya light. I purchased this at the Wichita show, and it was potted in sphagnum moss. I left it that way and was careful not to keep it too wet. I alternate k-lite and Norman's nutrients for fertilizer once a week and use MegaThrive or Q every two weeks.



Phal. Tetraglyph by Kristy Charland

Potted in sphagnum, water when roots look silver. Alternate Norman's Nutrients and K-lite once a week, use MegaThrive or Kelpmax every two weeks. Medium light



Phrag. longifolium by Kristy Charland

Phrag longifolium grown under medium LED light. Give a small amount of clean water daily supplemented with k-lite. Flush with clean water once a week. Potted in a water retentive mix.



Den. Razzle Dazzle by Ariel Paulson

Light: 2 - 1000 Lumen LED bars about 6" away

Temp: varies from ~65 in winter to ~80 in summer

Humidity: 30-50%

Water/fertilizer: weekly, tap w/ 1/4-conc all-purpose MiracleGro + 1/4 conc Botanicare Cal-Mag Plus

Media: semi-hydro with hydro-crunch



Other: Coelogyne tommii by Kristy Charland

Potted in sphagnum moss. I water when the top feels hard. Use clean water most of the time. The top of the pot is about 7" from the led light. Use klite fertilizer.

September



Phal. Yaphon Red Pearl by Sariah Kinney

Red Pearl sits in a southwest facing window and gets afternoon/evening light. It gets watered once per week or once per 2 weeks depending on how long the medium holds its moisture, and fertilized 1/4 strength three out of four waterings. It is currently potted in moss, and the humidity and temps are typical for indoors.



Paph. henryanum by Brian Donovan

This is one of the easiest Paph species I've grown. I purchased it from Windy Hill several years ago and it blooms like clockwork in the fall. I put it outside for the first two months of summer and then brought it indoors when it started to spike. Under LED light I rotated it a quarter-turn every week so that the flowers would face different directions. It's grown in 6 parts medium grade fir bark, 12 parts fine grade fir bark, 3 parts horticultural charcoal, 4 pts large perlite or sponge rock, and 1.5 parts cracked oyster shell. Weekly weakly with Jack's 30-10-10, and I've started using Kelpmax once a month. It's a very happy and rewarding plant. I've noticed, however, that it's very susceptible to scale.



Vncl. Lemon Drop by Kristy Charland

Second flowering this year. High Vanda light. Potted in fine bark. Spritz of water every day. Over the course of each month, every 3rd day, 30-10-10 fertilizer, on the 4th 3rd day, 10-52-10.



Habenaria spoonbill by Dr. Dan Schlozman (Other category)

Light: Catlea Light or slightly less

temperature: minimum 70° at night

fertilizer: K lite with a monthly hose in sprayer consisting of kelp and probiotics (see first rays orchids)

watering: once they break dormancy, keep evenly watered until blossoms begin to fall off or at least decay. Then slowly cut back water and when leaves begin to spot and shrivel withhold all water until the following season.

Potting medium: a peat lite fixture such as Promix thinned with small perlite.



Den. laevifolium by Brian Donovan

This is a great species because it looks a bit like Den. cuthbertsonii but is much much easier to grow. I purchased this from High Desert Orchids. Kelly McCracken's advice was to ignore online cultural recommendations that call for a winter rest. She encouraged me to water more often than I would normally be inclined to do. So, I water it 2-3 times a week. It's growing in a loose mix of clay pellets and large fir bark. It's right under the LED light. I water weekly weakly with Jack's 30-10-10. I think it appreciates good air movement.



Habenaria medusa by Dr. Dan Schlozman (Other category)

Light: Catlea Light or slightly less
temperature: minimum 70° at night
fertilizer: K lite with a monthly hose in sprayer consisting of kelp and probiotics (see first rays orchids)
watering: once they break dormancy, keep evenly watered until blossoms begin to fall off or at least decay. Then slowly cut back water and when leaves begin to spot and shrivel withhold all water until the following season.
Potting medium: a peat lite fixture such as Promix thinned with small perlite.



Pleurothallis picta by Anh Rongish

my pleurothallids I keep them in low light, moderate humidity and water 3 times a week. This one was growing in moss but my other ones are growing in a bark mixture



Blooming Orchids for Show

NOT for JUDGING – just for your VIEWING PLEASURE! Thanks to members who donated!!

Did you know we have an amazing 89 members in our membership??? Yes, 89!!! It would be beyond my wildest dream if even ¾ of you sent a picture for 'Viewing Pleasure'!!! Share your beauties!!! Become involved in the Society as much as you can. It is so fun and rewarding associating with all of you!!!

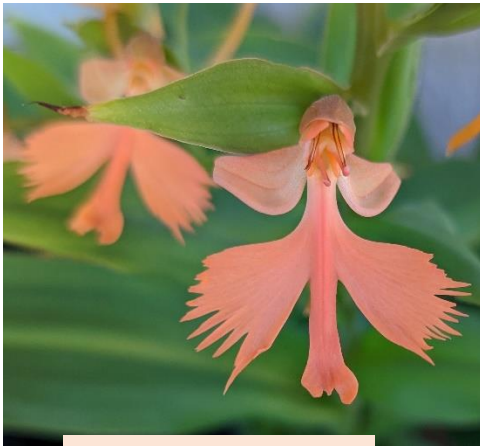
From Mark and Joy Prout



Den. Enobi Purple 'Plum'



Van. Sugar Baby



Habenaria Sunrise



Habenaria Erich's Pink Thing 'She's Allowed To Wait' AM/AOS



From Barbara Hadel



Phal. Taida Pride Queen 'Taida

From Kristy Charland



Cyc. Wild sunsets



Memoria Vida Lee "Limelight"

From Anh Rongish



Coelogyne ovalis

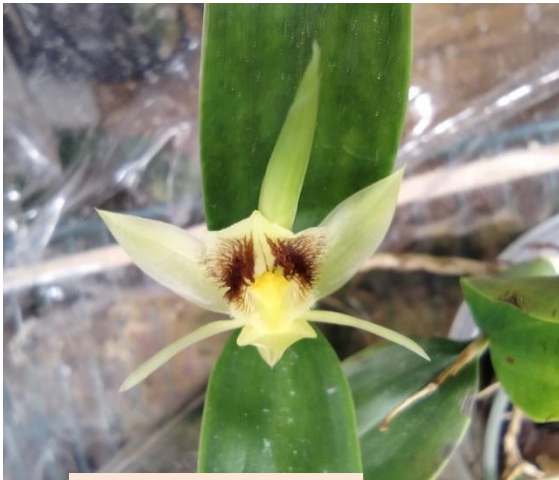


Restrepia bracyrus



Masdevallia Ilia

From Ariel Paulson



Coelogyne fimbriata



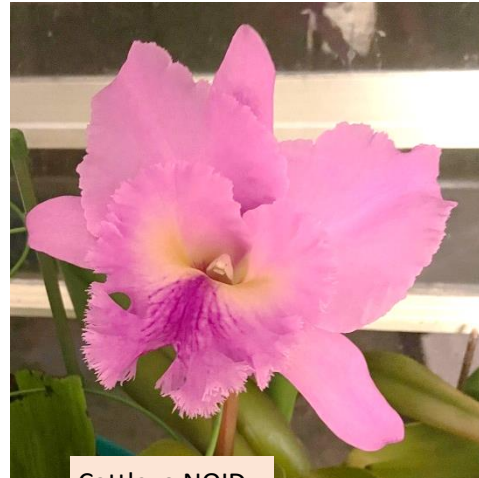
Cattleya NOID

From Ken Plahn



Phalaenopsis violacea

From Donna Klehm



Cattleya NOID



Bulbophyllum vaginatum



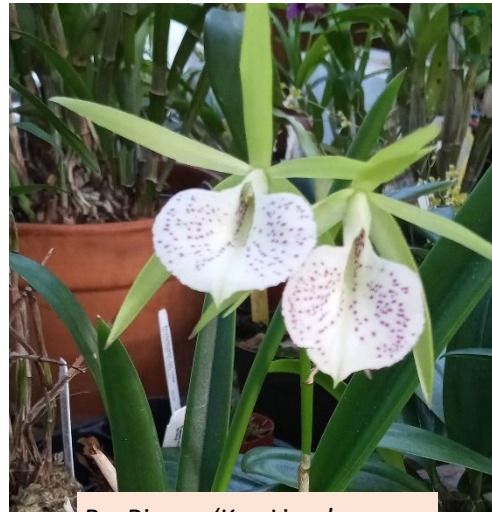
Bulbophyllum tingabarinum



Cattleya Triple Love 'NN'



Dendrobium acerosum



Bc. Binosa 'Key Lime'



Pot. Elaine Taylor 'Krull-Smith'



Gomesa crispa



Den. Enobi Purple 'Splash' & Den. Enobi Purple

From Steve Marak



Habenaria Raingreen's Ice Bird
'Susan' HCC/AOS



Pectabenaria Thai Dancer



Epidendrum nocturnum

From Ariel Paulson



Coelogyne fimbriata



Cattleya NOID

From Jean Rogers



Paph. In-Charm Cloud

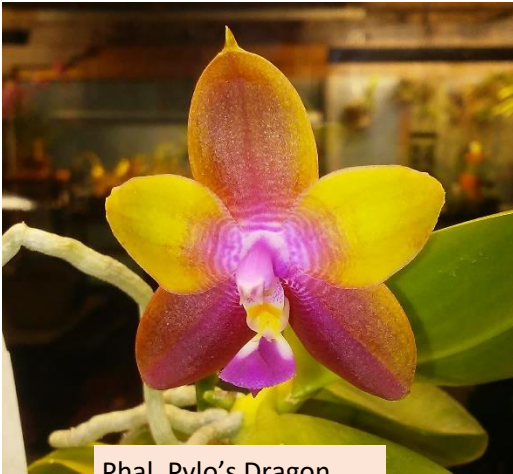


Paph. spicerianum

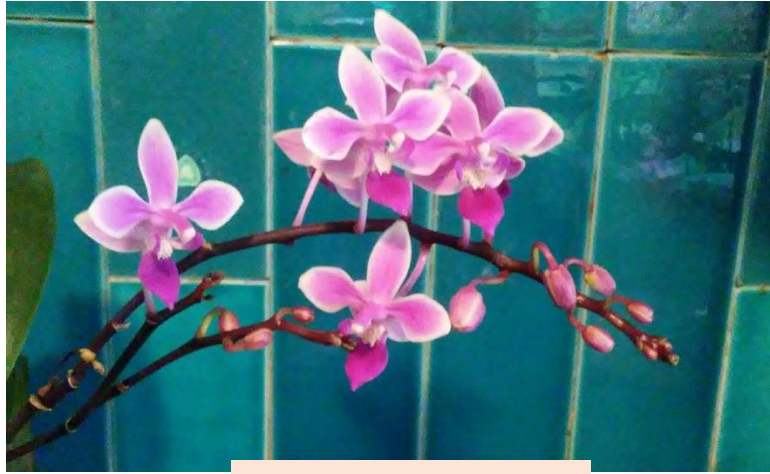


Phrag. Fliquet

From Susie Hanna



Phal. Pylo's Dragon



Phal. equestris red form

From Jim Pyrzynski



Coeloglyne mayeriana



Paph. Doll's Kobold FV cross

From Jen Winter



Blc. Ronald's Canyon
"Kokohead"



Habeneria medusa 'Natural'



Oncidium Ruth's Rainbow
'Over the Rainbow'



Ctsm. John C. Burchett 'Ursa Major' FCC/AOS x Karen Armstrong 'Wonder Spots'



Trichoglottis philippinensis var. brachiata 'Dustin' HCC/AOS



Kefersteinia tolimensis



Rodriguezia decora x Rodriguezia lanceolate



Zygonisia cynosure 'Blue Birds'

From Brian Donovan



Den. laevifolium



Phal. equestris coerulea 'ks4n'species



Phal. equestris coerulea

From Anh Rongish



Den. hekovense

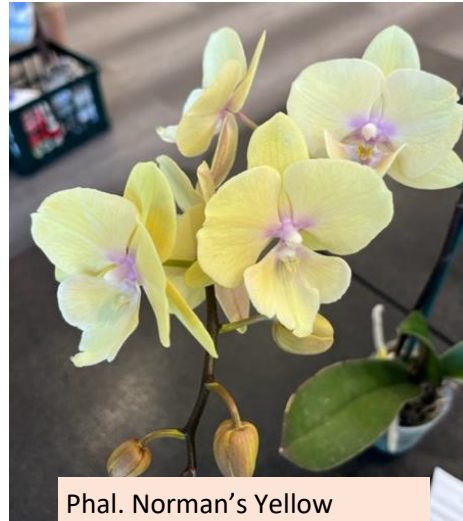


Pleurothallis picta

From Kristy Charland



Vncl. Lemon Drop



Phal. Norman's Yellow Butterfly 'Sweetheart'

From Sariah Kinney



Phal. Yaphon Red Pearl

From Dr. Dan Schlozman



Habenaria medusa



Habenaria Spoonbill



Phal. L. D. Bear queen 'Wilson'

From Crystal Remington

From Jean Rogers

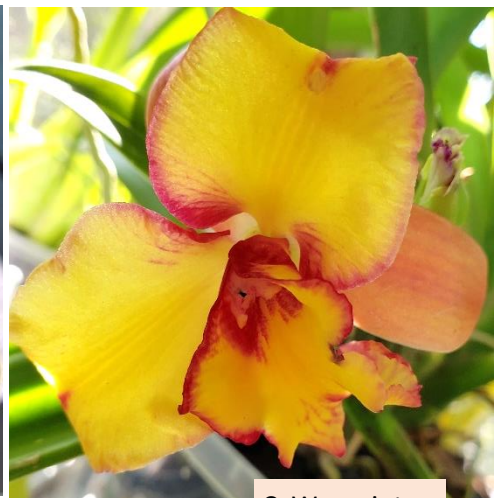
From Dipti Solanki



Paph. Wossner Ministar



Paph. In-Charm Cloud



C. Warpaint

Ideas, Items and Inquiries (If you know of something for this section, please send to jeanierogerswarren@gmail.com for inclusion)

Have you ever wanted to be able to lower your lights but it was very difficult to do so? Botanical Leds (who last months speaker told about for LEDs) also carries these pulleys. I though this was clever. <https://botanicalleds.com/>



Heavy Duty Adjustable Pulleys For LEDs \$10.99 USD

Pay in 4 interest-free installments for orders over \$50.00 with [Learn more](#)
Adjustable pulleys for easily changing the height of LEDs

These heavy duty adjustable pulleys will allow you to safely and quickly adjust the height of your LEDs above your plants. These are easy to use and fast to adjust. They feature 6' of cord and can support up to 100 lbs. These are ideal for

any of the LEDs I offer and will compliment the fasteners that come with the LEDs nicely.

I have these specially made for use with my LEDs to withstand the sometimes rigorous environment we grow our plants in. They will continue to work and preform for you for years without breaking down. These are a heavy duty pully not cheap construction.

These are sold in sets. 1 set consists of 2 pulleys and will hang 1 LED.



Inquiry: Can anyone identify what causes this on a Cattleya? Does anything need to be done? Is it a problem of concern?

If you can give any input, please send to jeanierogerswarren@gmail.com and the info will be passed on.

Community Service

If you have knowledge of an upcoming event, or something you think others might like to know of, please let me know and I can put it 'HERE' in the newsletter – jeanierogerswarren@gmail.com



Bird's Botanicals

5.6K likes • 6.1K followers



816-522-9230

Vashti.bird@gmail.com

Birdsbotanicals.com

🌿 Message us for any specific plant requests!!

September 24 was the FINAL Saturday for us at the Overland Park Farmers Market for the season!!
(We may be back in December for the Holiday Market, weather permitting)

It's been a wonderful season and we will continue to be at City Market throughout October!!



Bird's Botanicals

Aug 25 · 🌐



ORCHID 101 CLASS DETAILS!!

DATE: Thursday, November 10th, 2022

TIME: 6-9pm

LOCATION: The Space by Dolce Bakery
3924 W. 69th Terr, Prairie Village, KS 66208

COST: \$39

You will learn all the basics about growing Orchids in this beginner 101 class! David will lecture for over an hour about all the easy-to-grow varieties and include lots of tips and tricks on how to achieve long bloom times and grow healthy plants! Followed by that he will do a hands on demonstration on how to properly repot your Orchid. There will be time set aside for questions and we encourage you to bring in any orchids you are having trouble with. At the conclusion of the lecture and demonstration we will have Orchids, Fertilizer, and Media available for sale!

We will cap off the class at 40 people so be sure to sign-up soon. To register for the class or for more information, please email Vashti @ vashti.bird@gmail.com.

Sue Bondurant has called me and has health problems. She would like to sell two plant stands that they have. They are quite new and the price was \$739.00. They would like to get \$400 each. You can look them up at Gardener's Supply Company. **After our Oct. 9th meeting, she will list them on Craig's list.**

ALL / Indoor Garden / Grow Lights & Stands / Grow Light Stands / LED SunLite® 2-Tier Garden



LED SunLite® 2-Tier Garden

DESIGNED BY GSC ★★★★★ 8 Reviews [View](#)

✓ 88% of respondents would recommend this to a friend

Item #: 8595553

\$739.00

Quantity

[Special Shipping Information](#)

[Additional Handling Charge Applies](#)



In addition to the wonderful features of the light stands, we added grating to the trays that allows for water to be added for humidity, and yet hold the plants above the water. We also added 12 easily adjustable shade tubes, that can be adjusted to provide the right amount of light for the type of orchids on that shelf.

We are asking \$400 per light stand.

We are also including a free-standing humidifier to add additional humidity for those extremely high humidity varieties of orchids.

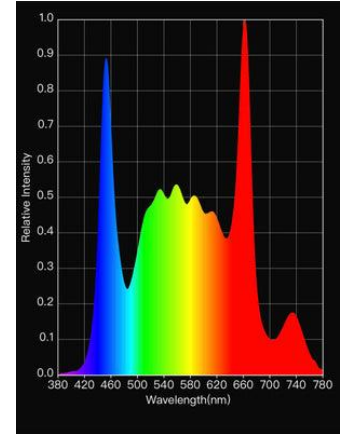
Outside OSGKC Resources

Our last speaker Kelly McCracken
Here are some options I found

mentioned lights from Botanical LEDs (Formerly Orchid Hobbist).
from them:



Botanical LEDs



<https://botanicalleds.com/collections/store>



New Product! 47" Double Row Full Spectrum Plus LEDs "Photon Rays" (Highest Light Requirement Plants)

\$64.99 USD

Pay in 4 interest-free installments of \$16.24 with [Learn more](#)
New product for 2022! Now in stock!

What are they? They are the strongest LEDs we have made yet. 61 watts of actual draw from your outlet on our double row new PCB board using our best growing spectrum and LED diodes that we have developed from 5 years of research. They still are not hot to the touch after running. Rather they are just warm. A little warmer than our other LEDs for sure though. But they still won't burn your plants. This is thanks to our all new high grade aluminum body that disperses heat.

These are suggested only for high light loving plants like catts, vandas, cstm etc.

PPFD Measurements

Test area 16" x 48"

2 LEDs at 8" 380 umol/m2/s
2 LEDs at 12" 286 umol/m2/s
2 LEDs at 16" 213 umol/m2/s

3 LEDs at 8" 515 umol/m2/s
3 LEDs at 12" 364 umol/m2/s
3 LEDs at 16" 287 umol/m2/s

48" Full Spectrum Plus "Spike Producers" (High Light Requiring Plants)

\$56.99 USD



Pay in 4 interest-free installments of \$14.24 with [Learn more](#)

This is double our basic LED. This is a 38 watt Full Spectrum Plus the additional Far-Red LEDs added.

PPFD Measurements

4"-5" is 231.01 umol/m2s 6"-7" is 153.48 umol/m2s 8"-9" is 117.02 umol/m2s 10"-11" is 86.94 umol/m2s

Sale



47" Full Spectrum Plus "Hooded" LEDs (Medium Light Requirement Plants)

~~\$54.99 USD~~ \$49.99 USD You save: 9% (\$5.00 USD)

LEDs FOR MEDIUM LIGHT REQUIRING PLANTS

A sensible approach to medium light requiring plants. Perfect for slippers and some phalaenopsis etc. These are double row PCBs of our normal 48" LEDs shrank down to just under 47" so they will fit neatly into a 48" rack. Double rows and increased power with a reflector hood!



Full Spectrum Plus "Optimum" LEDs (Lower Light Requirement Plants)

\$29.99 USD

Sizes available and wattage:

- 24" 9-10 watts
- 36" 14-15 watts
- 48" 19-21 watts

- The 36" is actually 35" in length so it fits inside a 36" rack without hanging over.
- The 48" is actually 47" in length so it fits inside a 48" rack without hanging over.

Why use our LEDs?

It's important to start your orchids and plants out right. That's what you can do with our Full Spectrum Plus LEDs. These LEDs are designed specifically for growing orchids and other houseplants. They are NOT LEDs from a big box store that are adapted for growing orchids and plants.

What is the difference you might wonder? It's the spectrum and housing. Our spectrum is a Full Spectrum plus the addition of Red LEDs along with a housing that compliments our rigorous requirements for the botanical environment. These LEDs are 2:1. 2 parts full spectrum white light (6500k) to one part Red LED. The advantage of this Red LED (660 nm) is chlorophyll strongly absorbs the red light given off of the LEDs and it can stimulate flowering. Therefore our LEDs are full spectrum and also have additional Red. All of our LEDs now have 10%+ Far RED (730 nm).

This doesn't mean the light is pink or red. To the contrary. The light that comes off of these LEDs is white. If you looked directly at the LEDs when it is on (you should never do this) you would see some of the LEDs are red, but when you put your hand under the light it is white. The best of both worlds!

Sizes available and wattage

46.5" 27 watts. We do not make these in any other size

Benefits of these LEDs

1. Optimized Spectrum- We have a proven spectrum that works. Thousands of these LEDs have been sold and customers love the results they are getting with a multitude of various plants.
2. Water Resistant- They can get damp and they are OK.
3. Low Energy Consumption- Each LED only uses a fraction of energy compared to traditional florescent tubing or bulbs.
4. 120 Degree Beam Angle- The light coming out from the LED is dispersed 120 degrees to help provide even coverage on your growing space.
5. Daisy Chainable- Connect multiple LEDs together either by connecting them to themselves or by using our jumper cords while only using 1 power cord.
6. Low Heat Emitting- You can touch them while running and they are only warm to the touch.
7. Lightweight and Easy to Hang- Each LED weighs only several ounces.
8. An amazing 192 chips- That's right. 192 chips to deliver the optimal spectrum to your plants.
9. Long Life- The expected lifespan of the LED is 50,000 hours of operation. Running 16 hours per day will use 5,840 hours per year. They are expected to degrade less than 10% in 3 years. I suggest replacement every 5 years.
10. Customer Reviewed- Tested and proven by thousands of customers who have purchased them. Most hobbyists prefer these LEDs to any other LED solely for the results they produce. They are seasoned and proven in the botanical community.

Growing Tips

I personally grow my orchids on bakers racks or wire racks. Mine are 18" deep and 48" wide. I use 2 47" LEDs per shelf, connect each pair with one jumper cable per shelf. The one jumper cable will connect the two LEDs on one shelf together for the Hooded LEDs. That means I'm only using 1 power cord per 2 Hooded LEDs.

I keep these LEDs approximately 10"-11" above my orchids. These LEDs are primarily used to grow medium light requiring orchids and plants. I'm able to consistently rebloom them each year without and problems. Other orchids that have bloomed and grown under these LEDs over the last year include: Cattleya, Dendrobium, Carnivorous Plants, Phalaenopsis, Paphs and many more!

Here is what I would recommend based on my own experiences and several other users of these LEDs who have successfully bloomed orchids. This should be your starting point and you can adjust from here. If you are unsure it is always better to start higher and then lower after a few weeks or a month. We also recommend you start at 11-12 hours and gradually increase your hours by 1 hour per month until you max out at 16 hours during the summer and then decrease in the winter back to 12 or 13 hours. This is up to you.

Can I Run My LEDs 24/7?

- [by Jeffery Young](#)
- December 01, 2021

This is a question that comes up quite a bit. "Can I run my LEDs 24/7? Won't that give me more growth" or "Can I leave my lights off during the day because I have supplemental lighting and run my LEDs at night?" These are pretty much the same question. What is really the question is "Can I have my LEDs on during the night?"

First we need to look at orchids and their physiology. Orchids do their photosynthesis during the day. However the unique thing about orchids is that they complete the photosynthesis process over a 24 hour period. That is they are photosynthesizing during the day, but their stomata (the mini pores that allow the exchange of gasses between the leaf and the atmosphere) only open at night. So while the orchid is photosynthesizing during the day it takes the night cycle to complete the process. During the night the stomata open and oxygen is released and carbon dioxide is taken in.

Leaving the LEDs on 24/7 or only at night can interfere with the completion of photosynthesis. I would NOT recommend leaving your LEDs or any other lights on for your orchids at night.

What I do recommend is like I have said in my "Smart Plug" blog is to put them on a smart plug and run them from morning to night. Or a set amount of hours like 12-16 hours and then have the smart plug shut the lights off. In my opinion this will give you optimal benefits while not stressing your orchids. Happy Growing!

Barrina®



Barrina BU-2000 LED Grow Light Full Spectrum With IR 4x4FT Coverage Dimmable Adjustable Light Panel With 720 LEDs High PPFD For Indoor Plant Seedling

Barrina BU-2000 LED grow light provides indoor plants with full-spectrum sunlight replacement. It is ideal for all growth stages with warm white light 3000k, blue light 5000k, red light 660nm and IR 760nm. Moreover, benefited from the adjustable light panel design, the efficiency of the central area will be increased by more than 25%. It is a perfect option for indoor plants growing.

~~\$199.99~~ **\$148.79**

- Adjustable Light Panel - Benefited from the new structural design, Barrina BU-2000 LED grow light can adjust light panels' angle to become spotlight or floodlight. When the Angle between the two panels is 60 degrees, the efficiency of the central area will be increased by more than 25%. Moreover, not only from the top, your indoor plants can get light from different directions. And adjusting the angle can effectively reduce glare which makes the greenhouse environment more comfortable
- Low Energy Consumption Plant Grow Light - Consuming only 200W true output with 720LEDs! Including blue light 5000k, warm white light 3000k, red light 660nm and IR 760nm. Especially the 660nm red and IR light are useful during bloom which will increase plant growth speed, make flowers bigger and more vivid. Barrina full spectrum LED grow light saves up to 50% energy than the HPS or other SMD LEDs or Blurple lamps. Ideal for 3.5x3.5ft bloom stage, 4x4ft veg stage
- Lower Running Costs & Higher-quality Yields - Barrina LED grow lamp utilizes the latest in high yielding LEDs technology. The PPFD value in the central area can reach 1600, delivering powerful light output and uniform canopy penetration to result maximum higher yields
- UL Listed Driver & Customized Dimming Design - No Fan Noise Free. High Efficient UL-certified power supply ensures the growing lights more reliable, safer and has a longer lifespan. Also Barrina LED grow lights have a dimming knob and light switch. A single light can be adjusted the light intensity at liberty. Multi-light Connection with unified dimming is especially beneficial for large area of indoor growing and commercial planting
- What You Get - 3 years of after-service of local maintenance center. 1 x Barrina LED Grow Light 200W, 1 x Dimming Cable, 2 x Steel Hanging Kit, 2 x Steel Hook, 2 x Screw, 1 x User Manual. For any questions, feel free to e-mail us and we will help you resolve it in 12 hours



Barrina LED Grow Light 4FT 168W(4 X 42W 1000W Equivalent) Full Spectrum V-Shape With Reflector Combo Grow Lights For Indoor Plants Greenhouse 4-Pack

Product Type Led Grow Light

Barrina LED grow lights provide indoor plants with full-spectrum sunlight replacement. White color output not only could reduce your cultivation costs and prolong your flowering period, but also could protect your eyes. It is a perfect option for indoor plants growing. Compare to HPS/MH, Barrina grow light has higher efficiency but low consumption.

~~\$95.99~~ **\$79.99**

- Full Spectrum(Pinkish White Color) - Barrina LED grow lights provide indoor plants with full-spectrum sunlight replacement. They provide the most reasonable grow light wave based on the ratio of the absorption of the plants
- Super Bright - Consume only 168W with 768 LEDS totally, replacing 1000w general plant lights. Over 95% light energy can be absorbed by plants. It is a great option for plants that in seedling, vegetative and flowering cycle
- Reflector - The light efficiency can be increased by 17~20% with reflector. The shell of our light was made of 100% aluminum which provides the high-efficiency heat dissipation. Ensuring the longer service life of the led chips
- Easy Installation - Plug and play. And could link up to 6 grow lights in a series by included 48 inches connecting cords. Using clips or Double-sided tape to mount on ceiling, using cable ties to tie on grow light stand, or using hang ring to hang the lights, multiple installation methods provide the best way that you need.
- What You Get - 2 years warranty. 4 x Barrina LED Grow lights, 2 x Power cords with ON/OFF switch, 3 x Connecting Cords(48"), 4 x Small Connectors, 4x Installation Clips, 8 x Double-sided tape, 16 x cable ties

Let's Get to Know Each Other

OSGKC Members!

OCTOBER



Mark Prout

Birthday October 12th

1. How long have you been in OSGKC (When did you join the OSGKC?)
1998?
2. How long have you been growing orchids?
1997?
3. What got you hooked?
Reblooming our first orchids.
4. What type of orchid is your favorite?
The ones currently in bloom.
5. Where and how are you growing orchids? (include pictures if you can)
All over the house.
6. What was/is your profession or training - are you still working or retired?
Journalism/PR Retired
7. Complete this statement: "One surprising fact about me is..."
I have interests and pastimes besides orchids.



Brian Donovan

Birthday October 25th

1. How long have you been in OSGKC (When did you join the OSGKC?)

I joined the OSGKC in 2008.

2. How long have you been growing orchids?

I've been growing orchids since 2007.

3. What got you hooked?

Someone gave me an orchid as a gift and I promptly killed it. I bought another one. Within a few months I owned a dozen.

4. What type of orchid is your favorite?

My all-time favorite is *Phalaenopsis equestris* because it's always up to something. I love *Paphiopedilums*. Lately I've been interested in *Latouria Dendrobiums*. I especially love miniatures, but if I had unlimited light and growing space I would grow a lot of *Cattleyas* and *Brassavolas*.

5. Where and how are you growing orchids? (include pictures if you can)

I grow them in a windowsill and under lights. I put most of them in a shade house during the summer.

6. What was/is your profession or training - are you still working or retired?

I'm a historical sociologist. I've been a professor in the Sociology Department at KU since 2001. My latest book, *American Gold Digger: Marriage, Money, and the Law from the Ziegfeld Follies to Anna Nicole Smith*, examines the "gold digger" stereotype in American culture.

7. Complete this statement: "One surprising fact about me is..."

One surprising fact about me is that I'm a massive fan and aficionado of house music. I also have a wide appreciation for disco and other forms of dance music.

8. Birth Month and Day"

October 25

9. Do you have any pets?

Natalie and I have seven cats (four Cornish Rexes, two Lykois, and a domestic short hair): Squirrel, Otter, Bunny, Aardvark, Wee Possum, Myshka Mouse, and Snape

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!



Got Orchids?

The American Orchid Society website is your portal to knowledge for all things orchid. The AOS website, along with ongoing Webinars and OrchidPro, offers a plethora of information to help you grow and show your orchids to peak performance. We encourage use of the [AOS website](http://www.aos.org) by ALL orchid growers. The next best place to learn about the orchids that will thrive in your area, is to attend and become involved in your local [Affiliated Society](#) meetings.

WHAT ARE WEBINARS?

It's easy to find the [scheduled webinars](#) and to register on the AOS website. You will find the link here:

Webinars-Coming Attractions!

REGISTRATION IS EASY <http://www.aos.org/orchids/webinars.aspx>
 Cannot make it on the scheduled date or time? No need to worry.
 Register now and view on your time schedule.

Greenhouse Chat Webinars are indexed by topic for future viewing.
 Send your Greenhouse Chat questions and photos to: greenhousechat@aos.org

When	Sept. 13, 2022 8:30pm EDT Tuesday	Sept. 19, 2022 8:30pm EDT Monday	Oct. 05, 2022 8:30pm EDT Wednesday
Topic	Greenhouse Chat Orchid Q & A <i>Send in your Photos & Questions by Sept.10</i>	Paphiopedilum venustum The Pauper Prince of the Himalayas	Those Amazing Masdevallias Compact cuties, species and culture
Presenter	Ron McHatton Chief Education and Science Officer	Dr. Leslie Ee Accredited AOS Judge, President COC	Sandra Svoboda AOS Judge, AOS Past President, Orchid Digest Editor

Check Out the Timeless Collection of Recorded Webinars on the AOS Website



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OSGKC.ORG

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stimulating interest in orchids and their
culture

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

What's Ahead ...

Please check www.osgkc.org for updates and changes to our program
schedule.

Sunday, October 9th, 2022 monthly meeting

Merriam Community Center, 6040 Slater Street, Merriam, KS
Featured presenter, *Ken Plahn – Repotting a Paphiopedilum*

Friday-Sunday, October 28-30, 2022 – ORCHID SHOW

Regional Orchid Show hosted by OSGKC – ‘Bewitched By Orchids’
Set-Up Friday afternoon and Evening, October 28
October 29 and 30
Merriam Community Center

Sunday, November 13, 2022

Merriam Community Center, 6040 Slater Street, Merriam, KS
TBD

Sunday, December 11, 2022

Merriam Community Center, 6040 Slater Street, Merriam, KS
Holiday Party and Awards Presentation

Sunday, October 9th, 2022 monthly meeting

Merriam Community Center, 6040 Slater Street, Merriam, KS
*Featured speaker: Alan Koch, Gold Country Orchids, “Orchids 101:
Great Growing Tips from a Top Expert”*