



Central Ohio Orchid Society
Reporter



Newsletter Editor: Katrina Heap

February 2016

February Meeting
“How We Grow”

Thursday, Feb 18, 2016 at Franklin Park Conservatory
Beginners Corner 7:30pm – 8pm and Meeting starts at 8pm

For our February 18 meeting, we will have a member-driven panel discussion about "How We Grow".

We will present a slideshow of members growing spaces and then a smaller panel will provide their knowledge and tips on how they set up and manage their own growing spaces. We will also take time to field questions. These types of workshops are always fun and informative for new growers as well as the vets. Hope to see lots of you there this month.

In conjunction with our workshop, we will also have a members' plant sale night so bring along those "extras", divisions, and/or those plants that, for whatever reason, need to find a new home.

No pre-meeting dinner this month.

Bark lindleyana v alba



President's Message

Visitors at the January meeting - Last month we had four visitors. We were happy to welcome Nancy, Cheryl, Eric, and Hannah. I think they enjoyed our meeting. Let's hope they come back again.

COOS Spring Show and Sale, April 2 and 3 - Due to a pressing family matter, Screll Jones won't be able to be our home show chair. Until we have another volunteer, I'll be filling that role. I'll be looking for volunteers for the various assignments, so that we can have a successful show. Due to the Grand Atrium undergoing construction, our show will be held in the meeting rooms. It's a little tight, but we've done this before. We'll have the vendors and exhibits in the same rooms as our monthly meeting (Meeting Rooms A & B) with the support functions (hospitality, AOS judging, & photography) in Meeting rooms C & D.

Annual Membership Dues - If you haven't already, please remember to send in your membership dues to Tom Bell-Games. The form is available on our website. On the opening web page click on "JOIN". Tom's address is on the form. It's \$20 for individual and \$25 for family. You can also pay him in person at our meeting. If Tom is not there, you can pay our treasurer, Edna Markley.

March meeting location and date change - We'll be having our March meeting on Monday of that week, the 14th, instead of our usual Thursday. The location for the meeting will be in the Education Pavilion. This building is within Franklin Park, south of the Conservatory. There is parking close to that building. We'll provide a map in our next newsletter. The purpose of this change is to take advantage of an opportunity to hear a special speaker from Ecuagenera.

Thanks,
Dave Markley



Brassavola cebolleta

2014/2015 COOS Board Members

Term of Officers – January 1, 2014 through December 31, 2015

President:	Dave Markley
1st VP / Program Chair	Justin Pepperney
2nd VP/ Home Show Chair	Screll Jones
3rd VP / Away Show Chair	Ken Mettler
Secretary	Suzanne Cavazos
Asst Secretary/Newsletter	Katrina Heap
Treasurer	Edna Markley
Asst Treasurer/Membership Chair	Tom Bell-Games
Immediate Past President	Tennis Maynard



COOS Trustees

Term of Office Expires December 31st of year shown

Elly Campbell	2017
Don Weber	2017
Bill cavanaugh	2017
Susan Allison	2017

2015 COOS Calendar

General Meetings and Events:

Feb-16	Open – “How We Grow” workshop	
Mar-14	Ecuagenera - <i>pls note change of location - the Education Pavillion at FPC and change of date</i>	Topic -TBD
Apr 2 & 3	COOS Spring Show	
Apr-16	Repotting clinic	
May-16	Steven Frowine	Mexican Orchids
Jun-16	Jim Rose of Cal Orchids	Topic - TBD
July	COOS Picnic - date and location TBD	
Aug	No Meeting	
Sep-16	Wayne Roberts	Topic - TBD
Oct-16	Holger Perner of Hengduan Bioteck in China	Topic - TBD
Nov-16	Annual Potluck and Awards Dinner	
Dec	No Meeting	

Board Meetings:

2nd Tues of Odd Months @ 7pm

Mar 8, May 10, July 12, Sept 13, and Nov 15

Show Table Results

January show table results – As many of you probably know, I was unable to make the January meeting and I haven’t manage to pick up the show table forms from Edna and Dave. January and February will be updated in the next newsletter.



Barkeria whartonian

Culture Corner

Plants and Light

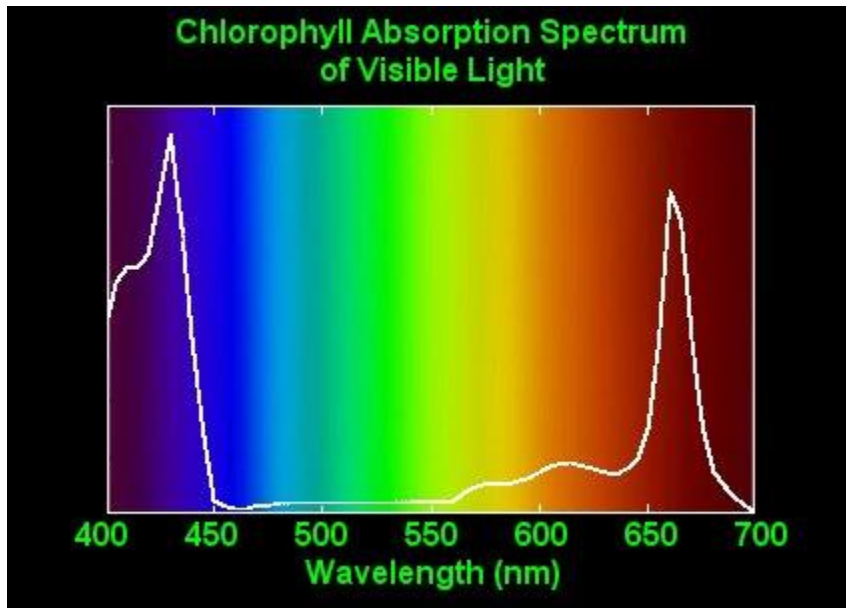
Courtesy of Ray Barkalow of [FirstRays, LLC](#)

ORCHID PLANTS & SUPPLIES, FREE INFO, HYDROPONICS, AND MORE!

Ever wonder why plants are green, or if the tinting in your windows is affecting your plants, or if those cool white fluorescents are really good to grow under?

You know that light exists as a spectrum of different wavelengths, and that each light source emits different intensities of those wavelengths. Likewise, tinting reduces the intensities of the wavelengths differently.

Let's start by looking at chlorophyll's absorption spectrum:



Note that chlorophyll absorbs light mostly in the blue and red ends of the visible spectrum, and very little in the green wavelengths. That green light is reflected, giving us the leaf color we see.

It is important to select artificial lighting that provides both ends of the spectrum in sufficient intensity. Household incandescent bulbs are very heavy on the red end, while cool white fluorescents are weak in reds and strong in the blue end. That's why 50/50 wattages of each can

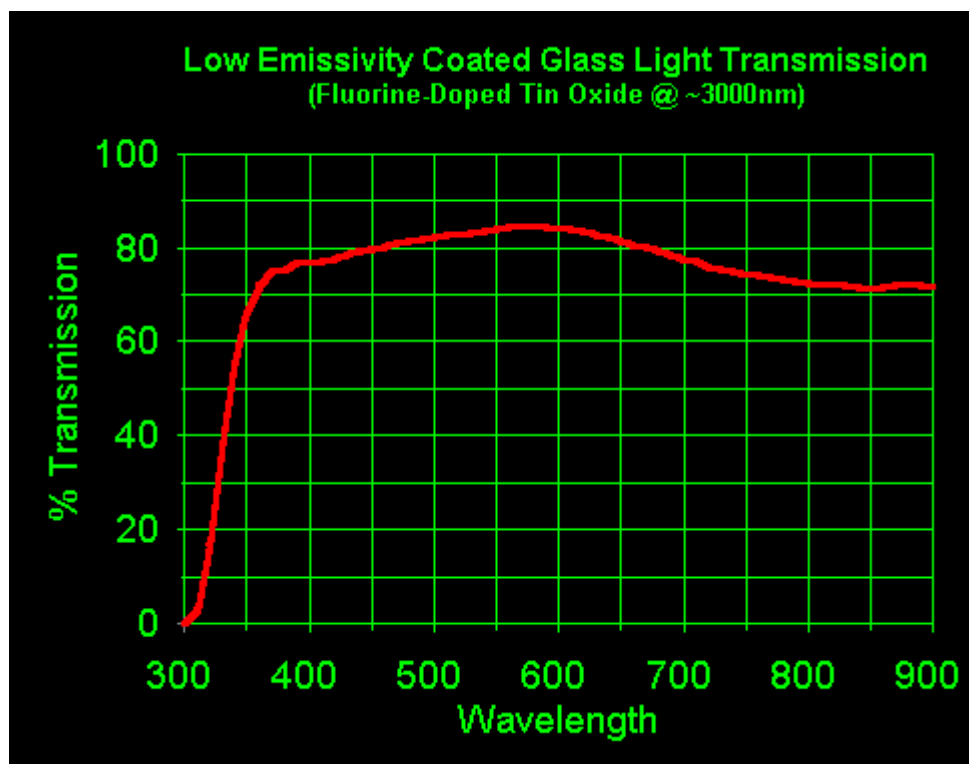
be combined for successful growing. Recent developments in fluorescent phosphors have yielded spectra more like natural sunlight by boosting the red end of their light output.

If you compare that spectrum to the emission spectra of some common household light sources, you'll see that there is a great deal of variability.

This information is also important to consider when you choose glazing for greenhouses and other growing areas.

Most polyethylene films and polycarbonate panels are quite transparent in the spectral range of interest, but do reduce the overall intensity somewhat evenly across the spectrum. Clear glass has almost an insignificant effect on the light transmitted, from a practical standpoint, but low emissivity glass has a fairly significant impact on the transmitted light.

The coated low-emissivity or "Low-E" glasses work by blocking the transmittance of long-wave infrared frequencies of the light spectrum. Unfortunately, the coatings that do that also reduce the transmission of light in other parts of the spectrum as well:



Comparing the two curves above, one might conclude that the low-e glass would function as a pretty reasonable 20% – 30% shading glazing material over the 400- to 700 nm spectrum that the chlorophyll absorbs, but there have been reports of growing problems associated with its use. Personally, I question whether the problems were glazing related, but please note that this curve is from a very early generation of low-e glass, and the coatings are much thicker now, so the reduction in transmitted light ought to be significantly greater.

Spring Orchid Shows

Miami Valley Orchid Society Spring Show February 20th and 21st, 10am-4pm each day at Cox Arboretum in Dayton, Ohio. For more [INFO](#).

Greater Cincinnati Orchid Society is hosting the Spring MAOC February 20th and 21st at the historic Netherland Hilton Hotel in downtown Cincy. [More details](#). [Schedule of Events](#). [Registration](#). [Vendors list](#). [Directions](#).

West Shore Orchid Society March 12-13, 2016 at the Strongsville Recreation Center in Strongsville, Ohio. [More info and directions](#).

COOS Spring Show April 2nd and 3rd at Franklin Park Conservatory – more details and requests for volunteers at the Feb and Mar meetings.



C perrinii semi-alba

Membership

Time to renew your COOS membership! Our membership runs January through December so anyone who hasn't already taken care of this little task...please do so soon as possible.

Please print off the form ([HERE](#)), fill it in, make out a check...and being the kind and generous guy that he is...Tom will gladly save you a stamp by taking it at the February meeting.

It's a small amount but the combined funds go a long way in helping to pay for some of the great speakers we get in for the meetings. And, let me just say, we have some awesome speakers coming in this year! Come on guys...I'm going to the channel the Cable Guy..."Let's git er done!". Thank you to everyone who has already done this and thank you - In Advance - to those of you who will be doing so – soon. 😊



C labiata var rubra