



Central Ohio Orchid Society
Reporter



Newsletter Editor: Katrina Heap

June 2017

June Meeting

Speaker – Tennis Maynard

Topic – Making Growing Spaces

Thursday, June 15th at Franklin Park Conservatory

Beginner's Corner 7:30pm – Meeting starts at 8pm

It is always remarkable to consider how tropical orchids are able to grow in a temperate climate such as we have in Central Ohio. Have you ever thought about how to give your orchids the best possible environment for them to grow and flourish? Join us Thursday, June 15th, for a presentation by our own Tennis Maynard. He will provide an overview of all different types of growing spaces and tips on how to construct them. From growing orchids indoors under lights, in Wardian cases, and even in a custom greenhouse, Tennis will share how to get the most out of your growing space.

And, for a bit of icing on this cake...Tennis will be bringing plants for sale.

No pre-meeting dinner this month.





COOS Picnic – July!

The annual COOS picnic will be at Justin Pepperney and Wendy
Chrisman's house on

Sunday, July 30th from 12-4 PM.

Justin and Wendy are at **1418 Eastwood Ave, Columbus OH,
43203.**

Just a couple blocks east of Franklin Park.

*More info will be forthcoming, but please come and feel free to
bring a dish and don't forget to bring lawn chairs. We will have
tables.*

*Remember to bring any blooming plants as we will have a
member's show table.*

All are welcome, hope to see you then!

Grower's Contest Results:

May show table results:

Oncidium

Tennis Maynard	Mtps Andrea West 'HOF'	1st
Scott Bever	Largrara Angel Baby 'Peppermint Stick'	2nd
Tennis Maynard	Rdcm Windsong x Tol Elfin Star	3rd

Paphiopedilum

Justin Pepperney	Paph philippinense 'Alford' AM/AOS	1st
Dave and Edna Markley	Paph Supersuk Eureka x Paph Raisin Pie 'Hsyinying'	2nd
Tennis Maynard	Paph acmodontum	3rd

Cattleya

Katrina Heap	C walkeriana (Miranda x Estrella De Colina HCC/AOS) - POM	1st
Don Weber	Enc parviflora	1st
Katrina Heap	C purpurata 'Carmencita'	2nd
Katrina Heap	C walkeriana v coerulea	2nd
Tennis Maynard	C purpurata v mandaiana	3rd
Tennis Maynard	C lobata v alba	3rd

Phalaenopsis

Melissa Lee and Sam	Phal hybrid	1st
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Darnall		
Katrina Heap	Phal finleyi	2nd
Melissa Lee and Sam Darnall	Phal tetraspis	3rd

Other

Katrina Heap	Lycaste Lemon Twist (tricolor x campbellii)	1st
Katrina Heap	Cynorkis gibbosa	1st
Ken Mettler	Bletilla striata var albescens	2nd
Scott Bever	Den Rainbow Dance	2nd
Tennis Maynard	Bulbo frostii	3rd
Tennis Maynard	Ponerorchis graminifolia	3rd



West Shore Show results:

The COOS exhibit took 1st place!

Tom and Pat Stinson

Epi jasminoshum	BIC - Catt Alliance
Paph hirsutissimum	2nd
Paph Hawaiian Contrasts	1st
Paph hybrid	1st
Paph Luna Spots	2nd
Paph (Red Glory x Raisin Eyes)	1st
Phrag Grande	3rd
Phrag caudatum	1st
Phal hybrid	1st
Dtps Mt Lip	1st
Phal hybrid pink	2nd
Phal hybrid white mini	3rd
Phal Margurita Lime	1st
Mps Bert Field	2nd

Katrina Heap

Lycaste Pixie	1st
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Dave and Edna Markley

Onc Sharry Baby	3rd
Onc Sweet Sugar	3rd
C Irene Holguin	2nd
Phrag Jason Fischer	3rd

Don Weber

Sarcoglottis grandiflora	3rd
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Hospitality:

We are in need of a lot more volunteers! Please see Terry and Sandra and get your name added to the list to help out where you can.

Current volunteers:

June – Cheryl Early, Melissa Lee, and Jessica Badger - 1 more please!!

July – Picnic – Pot Luck – everyone bring a side dish for sharing, please.

Aug – no meeting

Sept and Oct – would like to have 3 volunteers for each month, please.



COOS 2017 Calendar:

General meetings:

6/15	Tennis Maynard	Making Grow Spaces
7/30	COOS Picnic at Justin and Wendy's House - 12pm - 4pm	
Aug	No Meeting	-
9/21	TBD	TBD
10/19	TBD	TBD
11/16	Annual Potluck and Awards Dinner	-
Dec	No Meeting	-

Board meetings – 7pm start time

July 18, Sept 12, Nov 14



COOS Board Members	
President	Dave Markley
1st VP / Program Chair	Justin Pepperney
2nd VP/ Home Show Chair	Acting - Dave Markley
3rd VP / Away Show Chair	Ken Mettler
Secretary	Suzanne Cavazos
Asst Secretary/Newsletter	Katrina Heap
Treasurer	Edna Markley
Asst Treasurer/Membership Chair	Acting- Edna Markley
Immediate Past President	Tennis Maynard

COOS Trustees	
Elly Campbell	2017
Don Weber	2017
Bill Cavanaugh	2017
Susan Allison	2017

Membership ~ Friendly reminder.....

If you haven't already joined and/or renewed...click [HERE](#) to download the membership form and either mail it, along w/your check, to the address listed OR save yourself the postage and bring it to the next meeting.

Culture Corner:

Courtesy of the American Orchid Society website, Sept 2003 issue of Orchids Magazine.

Heat Stress

By Susan Jones

Like people, orchids, especially those that prefer cooler, shadier environments, can suffer from heat stress during the hot summer months. The midday sun is intense, especially during the summer, and the high temperatures that bright sunshine brings can burn your orchids quickly, especially the more sensitive types such as phalaenopsis, pleurothallids, paphiopedilums and miltonias.

Heat stress is a condition that occurs in orchids and other plants when excessive heat causes an imbalance in transpiration, the process by which moisture evaporates from the plant's tissues. When that rate of evaporation exceeds the pace at which moisture is being replaced through water taken up by the orchid's roots, the plant becomes dehydrated — leaves soft and wilted, pseudobulbs wrinkled and ridged. The instinctive response in this situation is to overwater the orchid to correct the dehydration. This can instead make matters worse by rotting the plant's root system, further hampering its ability to take in much-needed hydration. The roots can only absorb so much water at one time. In addition to watering, control of heat and humidity play a significant role in the prevention and management of heat stress.



Placing a mounted plant in an empty clay pot can help retain moisture around roots. The microclimate of higher humidity helps prevent heat stress and aids stressed plants in recovering.

Signs of Heat Stress

These symptoms may appear singly, even in otherwise fairly healthy orchids. When they appear in combination, however, it is usually an indication of heat stress or an underlying problem (such as root loss) that has led to heat stress.

Yellowing of Plants and Leaves

Too much light causes a plant's chlorophyll to deteriorate, which can turn your orchid an anemic yellow-green, and eventually cause premature loss of leaves. Most healthy orchids receiving appropriate light levels will be a robust light green.

Withered Leaves

The culprit, especially in summer weather, can be overheating. If your plant's leaves feel warm to the touch, they could be getting too much light, and need increased air circulation and shading, or a move to a more protected area.

Sunburn

Initial signs of sunburn, as in humans, appear as a reddish-purple tint or freckles on leaves and pseudobulbs. In advanced stages, leaf tips and roots may brown, flowers drop, buds blast or flower spikes fail altogether.

Shriveled Pseudobulbs

Your orchid's pseudobulbs serve as its water-storage organs, so shriveled pseudobulbs indicate a dehydrated orchid – it is in a stressed state, having used up its moisture reserves.

Leathery Leaves

This goes beyond mere wilting, and occurs in the advanced stages of heat stress, indicating severe desiccation and possible damage on the cellular level. Depending on how long the condition has persisted, the type of orchid and its overall health aside from the leaf damage, it may or may not recover once its leaves are parched.



Mounted orchids are particularly sensitive to higher temperatures and require additional water and humidity during hot weather. This Cattleya hybrid exhibits the yellowing leaves and wrinkled pseudobulbs typical of heat-stressed plants.

Prevention

Your orchids need lots of attention during the summer months, especially on hot days. With higher temperatures, orchids require more frequent watering to prevent dehydration. High temperatures quickly dry out mounted orchids, those in baskets and even potted plants.

Maintaining the balance between keeping orchids sufficiently hydrated and over-watering can be a challenge. A simple rule of thumb is that an orchid's need for water increases and decreases with the ambient temperature, so water thoroughly and more frequently during higher temperatures. Most mounted plants and those in baskets, especially vandaceous orchids and other genera grown with little or no media, will benefit from daily watering in warmer weather.

In addition, keep humidity high and air movement continuous, as both of these factors help plants keep their cool on hot days. Adding a fan to the growing area, or locating your orchids where they receive the caress of summer's breezes, as well as spacing your plants to allow for sufficient air circulation between orchids, can make a big difference in their environment and overall health. This will also help to keep rots from fungi and bacteria at bay.

The benefits from misting orchids during hot weather do not have much sustained effect, so unless one has a misting system in place to maintain that added humidity throughout the day, it is probably not useful to your plants. When watering or misting, always be certain that plants have ample time to dry before night falls, so as to discourage bacterial and fungal growth.

When moving orchids outside for the season, start them out in a shaded spot and gradually increase their exposure to sunlight to acclimate them to the higher outdoor light levels. Make sure to protect them from the strongest sunlight as midday summer sun has more intense UV rays that can burn tender plants. Check the amount of exposure your plants receive at different times during the day as the sun moves, and throughout the year as the earth's orbit around the sun makes its gradual seasonal changes, which in turn changes the angle of the exposure your plants receive.

For greenhouse growers, consider using shade cloth for added protection during the summer months. Windowsill growers may want to add a sheer curtain during the summertime to keep sunlight reflected by the window glass from causing sunburn.

Finally, always have someone care for your orchids while you are away on summer vacation.

Treatment

Once an orchid has suffered the effects of heat stress, it may take a long time to rebound. Apply fertilizers sparingly, using a weak solution, and flush the growing medium with clean water between applications of fertilizer, as the salts in fertilizers are difficult for dehydrated plants to assimilate, and a regular dose may further burn the plant. Be especially alert for pests on distressed orchids – insects and viruses are more likely to attack weakened plants.

References

Dodge, Vivian M. 2003. "Sun Protection." *Vivi's Orchid Corner*. 8(6).

_____. 2000. "Tips for August." *Vivi's Orchid Corner*. 5(7).

Withner, Carl L. 1997. "Good Orchid Growing or the Concept of Stress on Plants." *Orchid Society of Nova Scotia newsletter*, May.

Susan Jones was the editor of Awards Quarterly and assistant editor of Orchids. American Orchid Society, 16700 AOS Lane, Delray Beach, Florida 33446

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Upcoming Orchid Shows and Events:

Ohio Valley Seminar – Saturday July 8th!

Speakers ~ Fred Clark of Sunset Valley Orchids and Sam Tsui of Orchid Inn.

Both speakers are encouraging pre-orders among all the genera they sell so you are not limited to their sales table offerings. Pre-orders from Sunset Valley Orchids (Fred Clarke) receive a 10% discount plus free delivery. Email Fred your choices and note that they are to be brought to the seminar. Deadline for his pre-orders is June 28th.

Orchid Inn (Sam Tsui) updated its website a week or so ago. Pre-orders receive a 10% minimum discount (except divisions, packages and NET items) received by June 30th. See Sam's discount schedule under "Terms" on the Orchid Inn website. Email him your choices and note that they are for his seminar visit. He may also have some additional new flasks by May.

For the seminar, Fred will be speaking on *Catasetinae* and Australian *Dendrobiums* - both programs are updated. Sam will be speaking on *Paph. sanderianum* - the species, its hybrids, habitat and culture and on *Brachypetalums* - The *sanderianum* program is brand new and the *brachy* program is updated. Sam will speak Sunday at judging on *Paph. rothschildianum* - the species, its hybrids, habitat and culture. This program is also new. Fred may also speak Sunday - still to be worked out.

**Time is running out!! Registration form below
- if you're planning on going...get registered
ASAP.**



26th Ohio Valley Seminar
Saturday, July 8, 2017

Civic Garden Center
2715 Reading Road
Cincinnati, OH

First Lecture 10 am EDT
Plant Sales 9 am - 4 pm

Noon auction of select plants to benefit the Cincinnati Judging Center

-----Cut and Mail Here-----

Seminar Reservations _____ x \$17.50 = _____

Box Lunches from Scherpies' Deli includes 2 sides + bottled water or soft drink

Roast Beef on Croissant	_____	x	\$ 8.25 =	_____
Chicken Breast on Croissant	_____	x	\$ 8.25 =	_____
Turkey on Wheat	_____	x	\$ 8.25 =	_____
Vegetarian	_____	x	\$ 7.50 =	_____

Total: \$ _____

Name: _____ Name: _____

Email for confirmation: _____

Register and pay by Paypal at <http://cincinnatiorchids.org> or mail check payable to GCOS to 4110 Rose Hill Avenue, Cincinnati, OH 45229. To ensure a box lunch, register by July 1, 2017. Check GCOS web site for travel directions. Questions: jyates11@earthlink.net



Photos for the COOS Facebook page ~

Calling all COOS members – we could really use your orchid pics!!

This is an invitation for any of you who have pictures of your blooming plants...if you are interested in sharing them, please feel free to email your pics to Justin Pepperney at pepperney.3@gmail.com.

Justin will make sure that Wendy gets them for posting to our social media sites.

We get a lot of traffic and nice comments on our member-grown plants, so please help promote the society and send your pics today!

Thanks!