

Massachusetts Orchid Society

P.O. Box 1041
Medford, MA 02155



JUNE 2022

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Minute Minutes

Notes from the Board

Annual Memberships are due July 1st
Please renew by clicking [here](#).

If you know anyone who is thinking of joining, please encourage them to join now because it will get them additional time on their membership (new members joining April 1 or later don't need to renew until July the following year).

◆ *Prior to our in-person meetings*, please email your orchid names and parent names (if known) to <mailto:showtable@massorchid.org>. That gives the committee a chance to provide everyone with more thorough information about your orchids. Thank you! - *The Show Table Committee*

◆ A very BIG thanks to our incoming board members for volunteering to help steer MOS into the new year!

Officers

Dina – President

Brandt – Past President

Bob - Vice President

Amanda - Treasurer

Brandt - Secretary

Directors

Linda

Mike

Emily

Ralph

Anne

Alexis

◆ The first MOS Annual Show planning meeting will be Thursday, June 16th. All you need to do is bring yourself to the meeting (it's virtual!) and we'll fill you in on the rest. Helping with the show is a fantastic way to learn more about MOS and to really make an impact, as it's our biggest event of the year. Plus, it's a blast! Meetings will be held approximately monthly until September/October, when we may have one or two extra meetings to get us over the finish line before the show.

◆ Speaking of shows, mark your calendars! The Annual MOS Show & Sale will be held Friday Oct. 21st thru Sunday, Oct. 23rd. The location will be at Sons of Italy in Winchester, MA.

- ◆ The board is looking for new and more exciting plants for new members and raffle plants at the regular monthly meetings. If you know of anywhere looking to get rid of non-blooming orchids, let the board know and we'll reach out.
- ◆ Gravel drip trays 17"x45", fit 18x48 standard wire shelving. With drains in place to hold 1/4-3/8" water in trays for increased and prolonged humidity. Water-proof inside galvanized steel . Drains channel water to other trays or drain to bucket.
3 trays/\$25 or \$10 ea. Will take interesting divisions in exchange. Email Bob at francey47@gmail.com.



Did you know you can submit articles to the newsletter? Got extra orchid supplies you want to unload or looking for garden swaps? Submissions are due 10 days prior to monthly meetings. Email Anne at newsletter@massorchid.org to post or advertise in the newsletter!

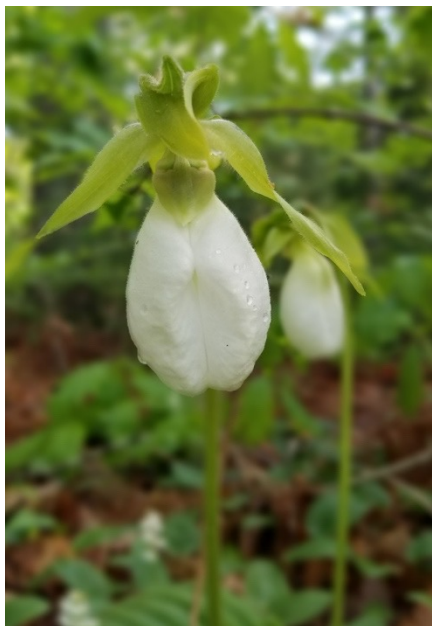
We are always interested in suggestions for speakers and topics, plus ideas for special programs for upcoming general meetings. Please email them to mos-board@googlegroups.com.

Find us on Facebook at www.facebook.com/massorchid and Instagram at www.instagram.com/massachusettsorchid.



You don't need to have your windowsill or your greenhouse full of orchids to enjoy them this time of year. The *Cypripediums* are in full bloom, you only need to walk to your nearest nature trails and keep a sharp eye to the pine needles to see these beauties.

Cypripediums photographed by Brandt Moran during his dog walking trips.



President's Message

It's Been My Pleasure

There has been nothing about this past year that has not been absolutely enjoyable for me. As President, I made more than my share of missteps. But the phenomenal support team that I had behind- and mostly alongside me ensured that our return to in-person meetings was seamless, the first in-person show since '19 went flawlessly, and our flip-flop back into a virtual world (if only for a few months) was as natural as this dinosaur could ever imagine. To each and every member of our Society, I say thank you for always being there, outperforming my greatest expectations.

NOW,

How's that saying go, "Just when you think you're out we suck you back in again", And I'm sure that's how our new president feels. Dina did a great job steering the Society through the uncharted waters that are now recognized as COVID. And boy, could everyone hear the collective moan when she announced she was off to the hard, bicarbonate waters that Texas orchid growers have to deal with. But alas, unforeseen forces kept her in the Boston area and now she gets to once again take a shift at the rudder of MOS as its Captain. I can think of no better hands to keep us on track. And most importantly, she has a wonderful combination of old and new Directors on the Board to guide the Society towards continued success.

And while I'll be absent at meetings, I get to capture the essence of the Society in my new role as "virtual" Secretary, distilling the topics of our board meetings into a living history of who we are and what we're up to.

So, if you see a Board member, tell them thanks for doing such a great job. Then tell them what you would like to see in the upcoming year. It's everyone's Society, so let's get as much out of it as we can.

I'm going to leave on two quotes: both from the Greatest balladeer of our time:

"I gotta go where it's warm"

And more importantly,

"It's been a lovely cruise."

Jimmy Buffett all.

Your Humble Orchids Murderer,

Brandt Moran



May Show Table Results

Judges: Brandt, Linda & Anne

Scribe: Linda A.

Total Ribbons: 17

Name of Orchid	Name of Exhibitor	Light L,M,H	Temp W,I,C	Growing Location: Lights, Windowsill, Greenhouse? Judges' or Exhibitor's Comments?
Neofinitia falcata 'Kibana'	Bob R.	H	I	Greenhouse
Phal. hieroglyphica	Bob R.	M	W	Greenhouse
Phal. NoID	Amanda	M	I	Lights (originally from Jeff)
L. purpurata 'Pedreira'	Bob R.	H	I	Greenhouse
Stelis wagnerii	Brandt M.	L	C	Greenhouse. Grow wet and cool
Restrepia concorta	Brandt M.	L	I	Greenhouse
Phal. Parishii	Linda A.	L	I	Lights
Vanda hybrid	Brandt M.	H	I	Greenhouse
C. trianae	Brandt M.	M	I	Greenhouse
C. Floralia'a Azul x L. purpurata	Brandt M.	H	I	Greenhouse
L. purpurata, alba form	Brandt M.	H	I	Greenhouse (People's Choice)
Sl. Crystelle Smith 'Riverbend'	Linda A.	H	C	Lights
Blc. NoID	Bob F.	I	W	Greenhouse
Guarecha Miva Etoile 'Noire'	Leah	H	I	Lights
Lycaste aromatica	Brandt M.	H	I	Greenhouse (People's Choice)
Paph. Ho Chi Minh	Ron M.	L	I	Lights
Paph. Deperle	Ron M.	L	I	Lights

May's People's Choice Award was a tie between two show table plants - both grown by Brandt Moran.

Cattleya (syn Laelia) purpurata forma alba 'Orchidglade AM/AOS and Lycaste aromatica.

Beautiful growing, Brandt!

(See Brandt's culture notes next page)



May's People's Choice Awards Culture Notes

Cattleya purpurata

C. purpurata started life in Brandt's care as a division of a Richard Phillips plant some 15 years ago. It's seemingly happy in a tree fern pot which Brandt likes because he never has to repot. Once the plant outgrows its abode, he only needs to pot up by setting the existing root mass, pot and all, into another tree fern pot. The problem is, tree fern pots that large are hard to come by. He will most likely make a cedar basket of the appropriate size and go forward from there.

Any purpurata is an easy grow in Brandt's greenhouse. He has over 50 of them so the conditions are set up to optimize their culture. They like bright sun (no surprise there) and nearly constant watering year-round. Maybe a little less in the winter. They are heavy feeders when in growth (summer) where they like a well-rounded fertilizer with an alternating helping of magnesium sulfate (Epsom Salts) and calcium nitrate (Processed Bird Poop) when making growth. For sourcing and rates, ask Brandt directly.

They are not quite windowsill plants. A healthy growth can be 2 feet tall and with a 12 inch inflorescence. The display is not small. That's also the reason the vast majority of his plants are potted in clay. When Brandt used plastic, the plants kept falling over on the benches because they were top heavy.

They are spring bloomers and come in an astounding array of color forms. Any internet search will dazzle the senses. You can accessorize using purpuratas with your white, pink, red, slate blue, and all tones of purple decor. There's almost always bright yellow in the lip which will go nicely with any gold you may have laying around.

For all that know Brandt, purpuratas are his favorite species. For those that want to try a plant, be patient for a year or two while you find the room to grow these behemoths, then reach out to him to see if he's ready to part with any of the 90 flasks of seedlings he has at the lab right now. No wonder he's moving to more property in Virginia. He's really going to need a bigger greenhouse.

Lycaste aromatica

If you like intensely gold-yellow flowers and don't have time in the winter to be bothered with your plants, then Lycaste aromatica is for you.

It's a Central American species that comes from the dry side of the mountain. In the spring after the new growths have started - through their maturity in fall, the plant likes frequent waterings and ample fertilizer. The only trick to blooming the plant is to dry it out in the fall (don't panic when the leaves fall off - the plants go "naked" in the wild also) and I mean no water and to cool it off a bit. Brandt's plant endures 55 degree nights in the top of the greenhouse all winter long and he does not even drink a glass of water around it.

This plant came from the Mass Orchid Society auction some 18 years ago when the late Dr. Will Neptune divided his recently awarded plant: Lycaste aromatica 'Trident Baby CCM/AOS' and donated an established division. A perfectly grown plant will have 13 blooms for each new growth.

And for those that like fragrance with their orchids - Lycaste aromatica exudes a preponderance of cinnamon throughout the blooming season.



Phal. hieroglyphica, Bob R.



Phal. Parishii,
Linda A.



Paph. Ho Chi Minh, Ron M.



Vanda hybrid, Brandt M.



Restrepia concorta, Brandt M.



Phal. NoID, Amanda L.



Paph. Deperle, Ron M.

Guarecha Miva Etoile 'Noire',
Leah



L. purpurata 'Pedreira', Bob R.



C. NoID,
Bob F.



Sl. Crystelle Smith
'Riverbend',
Linda A.



Neofinetia falcata 'Kibana', Bob R.



C. trianae, Brandt M.



C. Floralia's Azul x *L. purpurata*,
Brandt M.



Last month credit was given to Mike for this gorgeous *Bc. Crispin Rosales* 'Pine Knot'. In fact, it belongs to Brigitte (sorry Mike!)

UPCOMING EVENTS

Monthly AOS Judging at Tower Hill

02 July 2022 10:30 AM
Tower Botanic Garden,
11 French Dr., Boylston, MA

Monthly Meeting– Tim Culbertson

14 Jun 2022 7:30 PM
Sons of Italy, 117 Swanton Street,
Winchester, MA

Monthly Meeting – Kristen Uthus of New World Orchids

12 July 2022 7:30 PM
Sons of Italy, 117 Swanton St.
Winchester, MA

Monthly AOS Judging at Tower Hill

06 August 2022 10:30 AM
Tower Botanic Garden,
11 French Dr., Boylston, MA

No August Meeting - MOS BBQ Instead

06 Aug 2022 • Home of Mike and Karen Badia - Bedford MA

*June speaker
Tim Culbertson
presents, “Mottled-leaf
Paphiopedilum Hybrids”*

Tim with
Paph. Yerba Buena
'White Caps' HCC/AOS



Tim will be sharing a presentation on Maudiae-type, or mottled-leaf Paphs. These plants are easy to grow and flower, are vigorous, and have low demands on light and fertilizer, and as such are wonderful plants. Tremendous advancements in breeding Maudiae-type Paphs. have been made recently, and he will share some of these with you, as well as help identify some of the important species in the backgrounds of historically important and modern Maudiae-type Paphs. By the end of his presentation you will have a new appreciation of what goes into breeding trends for these type of

orchids, as well as an appreciation of their beautiful flowers and ease-of-growth.

Tim began growing orchids as an off-shoot from working at Longwood Gardens in Philadelphia, just after college. In the beginning, it was all about Paphs., particularly awarded and select clones of historic importance, of which his collection numbers today nearly 3000. He loves finding old, rare stepping-stones in Paph. breeding and does some hybridizing of his own.

Tim is an accredited judge with the American Orchid Society and has served in various capacities with various orchid societies in California and on the East Coast. In addition to Longwood, he worked at the Smithsonian Institution tending to their orchids, and for the United States National Arboretum, collecting rare plants and documenting cultivated species and hybrids for their herbarium.

2022 MOS Meeting Program

- Jan.** Mike and Daryl – repotting and mounting
- Feb.** Fred Clarke of SVO – Becoming an 80 Percentile Grower
- Mar.** Glen Decker (formerly Piping Rock Orchids)
- Apr.** Francisco Miranda – Miranda Orchids
- May** Carrie Reimann – The Orchidophile
- June** Tim Culbertson
- July** Kristin Uthus – New World Orchids
- Aug.** MOS BBQ
- Sept.** MOS Annual Auction
- Oct.** Bob Winkley
- Nov.** Bob Cleveland Orchids
- Dec.** Annual Holiday Party!

A selection of the newest, cutting-edge Maudiae-Paph. styles in breeding will be for sale at the meeting.

Dina Deresh



What is your position?

President

What got you interested in orchids?

My mother. Her horticultural interest rubbed off on me more than a little. So, when I saw a national geographic article on the monkey-faced orchid (maybe *Dracula gigas*?) I needed to find one. I couldn't find any of those in the local garden centers, so I settled for murdering lady slippers and the rest is history!

How long have you been growing?

I'm certain I started in the early 2000s... but my oldest orchid that I've kept track of is from 2012 (a supermarket Phal.)

What's in your collection?

I have 118 orchids. I grow all the tiny orchids I can get my hands on. I particularly love the tiny rupicolous laelias and thanks to Brandt's enablement I have 6 of those and looking for more!

Is your grow space windows, terrarium, indoor grow-room under lights, greenhouse?

During the cold months I have 2 windows, 5 terrariums with LEDs, and a shelf with LEDs. In the warm months, everything that can handle the heat goes outside. My jarriums and *Den. cuthbertsonii* stay indoors.

What do you hope to bring to the board this year?

I'm hoping we can iron out the hybrid meetings the previous board has started. I would love to see more members that would not normally be able to participate due to distance.

Bob Francey

What is your position? Veep

What got you interested in orchids? My grandfather was the first person to involve me in his passion for growing things. He grew the most amazing African violets under lights in a basement grow room next to his angel fish breeding setup. This is where I learned the fine art of hand trimming the grass borders around my grandfather's perfectly manicured English style gardens. Then there was his greenhouse, as a child I thought it was so grand, with all manner of exotic plants and flowers and one memorable gardenia topiary he seemed to grow with ease. Years later I came to learn this magical space was no more than 8x10, but it was packed with beautiful things.



How long have you been growing? I really began growing my own plants when I got my first apartment and soon started keeping a giant spathiphyllum (with an appetite for coffee grounds) and growing sauce and beefsteak tomatoes in the yard with the knowledge I learned in my grandfather's vegetable patch.

What's in your collection?

Not knowing what to expect of my new growing conditions, ability and an abundance of caution, I opted to adopt several large Cattleyas, Schomburgkias, Laelias, and a growing number of orphaned Phals., so many Dendrobiums, a few Neofinetia, the odd Cymbidium or two, a smattering of Oncidium and a giant Epidendrum. Then there are the dwarf Vandas, mini-catts, a fat old Coelogyne, some Pleurothallis and a spoiled little Medicalcar decoratum. Oops, almost forgot the non-orchids; X-mas cactus, philodendron, anthurium, begonia and clivia miniata. How's that? I have also overwintered several large lantana and duranta topiaries, I'm hoping to find forever homes for this spring.

Is your grow space windows, terrarium, indoor grow-room under lights, greenhouse?

For years I never had a proper space to keep orchids alive, until 10 years ago. That's when I was rebuilding a south facing porch and envisioned the space below as an enclosed custom-made glass and mahogany framed box styled after the artist Piet Mondrian's painting, "Composition with Red, Blue and Yellow". There were retaining walls to build, a steel structure, along with radiant heat and a bluestone floor, then came lighting and fans. Now, just a few short years later, I am growing and blooming orchids, battling algae and keeping a school of blue Nile tilapia under the benches for humidity and "fish water" for watering.

What do you hope to bring to the board this year?

Along with my listening ears, divisions, seedlings and keikis, I plan to bring lots of baked goods, jams, froyo and fudges because I can't possibly eat all the good things I like to make, lol.

Alexis Victor

What is your position? Director

What got you interested in orchids?

I went to design school in the arctic tundra of Cleveland, Ohio. I loved the city and hated the weather during winter. I often sought refuge in the greenhouse of the Cleveland Botanical Garden, right across the street from my studio. On one occasion, I stumbled upon an orchid show and fell in love with their vivid colors, enchanting scents, and natural elegance.

How long have you been growing?

A few years ago, I gained enough time, space, and ambition to start growing orchids.

What's in your collection?

A small but mighty crew of 8 orchids, all growing semi-hydroponically for the past year or so. They include: *Oncidium Sharry Baby*, *Catasetum pileatum* (Jumbo Green Gold), *Phalenopsis Golden Buddha x Deventeriana*, and a couple other *Phalenopsis* varieties.

Is your grow space windows, terrarium, indoor grow-room under lights, greenhouse?

I live in an apartment in the city so it's strictly windowsill growing for me.

What do you hope to bring to the board this year?

Fresh air, good vibes, curious questions. A touch of design, if warranted.

And here's a question from Alixis!

What's one question you have for MOS members?

Does anyone know if Boston ever had an indoor botanical garden in the city (or considered building one in the city at any point in time)? Wellesley College Botanic Gardens and New England Botanic Garden at Tower Hill have greenhouses, but they're not easily accessible by public transit for those living downtown without cars.



Heat Stress

By Susan Jones

Reprinted from the AOS

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 become 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, 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



•THE AOS CORNER•



Greenhouse Chat with Ron McHatton

Orchid related questions, answered by AOS experts.

Click [here](#) to watch now.

Note the specific times below if you wish to watch or listen to those topics.

- 00:30 Phalaenopsis Roots and culture
- 05:52 Phalaenopsis scale and bugs
- 09:38 Cattleya sap spots and snails
- 12:37 Cooling your greenhouse
- 22:40 Cymbidium Planting in the ground outside
- 25:50 Dendrobium nobile dropping leaves and flowering
- 27:52 Zygopetalums Light levels needed
- 30:40 Bringing orchids in from the outside Drenching
- 33:57 Clonal names and AOS awards
- 35:31 Ice cube orchids
- 39:16 Slugs and snail control
- 41:41 Watering sphagnum moss
- 49:27 Cooling and ultrasonic misters
- 51:00 Air movement in a greenhouse/grow room
- 54:00 Growing orchids in anything
- 57:33 Humidity, mold and mildew

Seasonal Orchid Care May/June

Click [here](#) for Checklist

Organizing orchid culture and its chores by season is a convenient way to make sure that your orchids get the proper care at the right time. Becoming in tune with your plants' growth cycles creates a connection with the natural world and makes you a better grower.

Officers, Directors & Committee Chairs

Officers

President	Dina Deresh	dinad@massorchid.org
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Orchid Show Program

Meg Bright-Ryan	program@massorchid.org
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Show Table

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