



The Orchid Society of the Triangle (Durham, Raleigh, Chapel Hill) and surrounding area of North Carolina
Associated with Sarah P. Duke Gardens

Orchidaceae

Monthly Newsletter of the Triangle Orchid Society

September 2016

Art Chadwick: The Great *Cattleya* Species of the Cut Flower Era

October 10, 2016, 7:30 PM

Arthur E. Chadwick holds a BS in Electrical Engineering from North Carolina State and an MBA from James Madison University. He founded Chadwick & Son Orchids Inc. in 1989 with his father, who had been growing orchids since 1943.

The Chadwicks operate 11 greenhouses in rural Powhatan County, a retail store in Richmond, and boards over 13,000 orchids for local Virginia clients.

Art and his father have the distinction of naming *Cattleya* hybrids after the wives of the last four U.S. Presidents.

Art writes a monthly orchid advice column for the *Richmond Times Dispatch* and the *Winston Salem Journal*. He spoke at the Western Australian Orchid Conference and the World Orchid Conference in France.

In 2005, Art Sr. and Jr. appeared on the Martha Stewart TV show with their book, *The Classic Cattleyas*. The company was later featured in *Southern Living Magazine* and *The New York Times*.

Art will be selling orchids!

Inside this issue:

October Program	1
September Meeting: Summary	2
September Meeting: Show Table Awards	3 - 4
Steven Frowine: Growing Orchids without a greenhouse	5
Orchid Auction Summary	6
Upcoming Events	7-8
Nominations for Officers and Trustees, Meeting Agenda, Future Meetings, Map and Directions	9



www.facebook.com/TriangleOrchidSociety



www.triangleorchidsociety.org

Dinner Before the Meeting

5:30 pm at Carrabba's Italian Grill

5312 New Hope Commons Drive, Durham, across from New Hope Commons Shopping Center at the intersection of I-40 and US 15/501.

If you plan to attend the dinner, please contact Harry Gallis at

harry.gallis@frontier.com to reserve a seat. All are welcome.

The Triangle Orchid Society meets at the Sarah P. Duke Gardens
420 Anderson St.
Durham, NC

The Second Monday of the Month
at 7:30 pm



TOS Officers and Board Members

2016

OFFICERS

President

Sidney Cox (919) 489-7173
sidney269@earthlink.net

Vice President

Harry Gallis (919) 564-0007
harry.gallis@frontier.com

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klnipp07@gmail.com

Treasurer

Anne Williams (919) 493-1727
annewilliams1973@hotmail.com

Past President

Nancy Harvey (919) 401-4533
ntrharvey@gmail.com

BOARD OF TRUSTEES

At Large Trustees: 2016

Pei-fen Liu (919) 683-3066
peifenliu@earthlink.com

At Large Trustees: 2017

Stephen McAllister
tack2west@yahoo.com
Sarah Patterson

At Large Trustees: 2018

Axel Elling (509) 288-2077
axel.elling@gmail.com
Ralph Belk, III
ralph.belk.iii@gmail.com

Triangle Orchid Society September 12, 2016 Meeting Summary

At our September 2016 meeting, Steven Frowine gave a great presentation on growing orchids without a greenhouse, and he sold his orchid books. Total attendance was approximately 54 members, 10 guests, and 4 new members.

Volunteers for this meeting:

Welcome Table: Axel Elling

Raffle: Anne Williams

Refreshments: Anne Williams and Nancy Harvey

Lights and Stands: Josh Gurlitz and Sidney Cox

Photography: Ralph Belk, III

Show Table Discussions: Harry Gallis and Nick Plummer

The Jack Webster Award Plants:

Greenhouse grown:

1st place: *Habenaria medusa*,
grown by Nick Plummer

2nd place: *Bulbophyllum* Doris Dukes 'Bill's Best' AM/AOS,
grown by Nancy Harvey

3rd place: *Laeliocattleya Dinard* 'Blue Heaven' AM/AOS,
grown by John and Ann Myhre

Non-Greenhouse grown:

1st place: *Macroclinium manabinum*,
grown by Charles Walker

2nd place: *Dendrobium cuthbertsonii*,
grown by Charles Walker

3rd place: *Doritaenopsis* Cherry Wine 'Newberry',
grown by Jeff Tucker

Meeting Summary was submitted by Sidney Cox.



September 2016

**Jack Webster Awards
Greenhouse Grown**

1st Place: *Habenaria medusa*,
grown by Nick Plummer



**2nd Place: *Bulbophyllum* Doris Dukes
'Bill's Best',** grown by Nancy Harvey



**3rd Place: *Laeliocattleya* Dinard 'Blue
Heaven',** grown by John and Ann Myhre



September 2016
Jack Webster Awards
Non-Greenhouse Grown

1st Place: *Macroclinium manabinum*,
grown by Charles Walker



2nd Place: *Dendrobium*
***cuthbertsonii*,**
grown by Charles Walker



3rd Place: *Doritaenopsis* Cherry Wine
'Newberry', grown by Jeff Tucker





Steven A. Frowine: Growing Orchids Without a Greenhouse

Many people think that greenhouses are needed to grow orchids, but Steven Frowine knows otherwise. His informative talk on indoor growing covered a wide variety of details, particularly about lighting. Here are some of the highlights.

You can take advantage of natural light from windows. South-facing ones offer the most light, while north-facing ones provide the least. East- and west-facing windows can provide good light, and light intensity can be controlled by moving plants closer to or farther from windows.

Window sills can be extended using plastic composite decking fastened with stainless steel screws. Clear plastic hanging shelves help to avoid unwanted shading. Plastic film adhered to windows can reduce light intensity as needed.

But you don't even need windows. Any orchid can be grown indoors under artificial light alone. A multi-tiered light cart with 18-inch by 48-inch shelves is a convenient environment. You can even make one easily and inexpensively yourself with metal chrome wire shelving and 4-foot fluorescent tube fixtures.

To help maintain high humidity you can wrap heavy duty clear vinyl around the back and two sides of the cart. Putting the plants in boot trays on the shelves will help keep water away from electrical connections. "Egg crate" light diffusion panel in the bottom of the trays will keep the plants from standing in water. For air circulation, a ceiling fan or small muffin fans (used in computers) will be helpful. If heat is needed in small areas, propagation mats with thermostats can be placed under the trays. It is also helpful to remember that the highest shelf will be a few degrees warmer than the lowest one.

Keep in mind that the farther a plant is from the light, the less light it will receive. For plants that will have spikes taller than the available growing space (e.g., Phals), put them closer to the lights at first and then move them farther away as the spikes develop.

Orchids most suited for growing under fluorescent lights (those with low to medium light requirements, about 5300-22,000 lumens) include Paphiopedilums, Phalaenopsis, all types of seedlings, and most very compact to miniature orchids. Fluorescents have several advantages: low cost fixtures, readily available and inexpensive tubes, even light distribution, flexible light spectrum (color in degrees Kelvin), high color rendition index (CRI), and less generated heat.

There are several choices for fluorescent fixtures, but Steve used a 4-tube T5 HO (high output) unit for each of the three shelves on his cart. When choosing a fluorescent light tube, opt for the highest ratio of lumens to watts, highest CRI (preferably high 90s), and a color temperature range of 5500-6500K (wide spectrum). Plant-growing light level is usually lower indoors than in a greenhouse, but having the lights on longer indoors can compensate for the difference.



Triangle Orchid Society Fall 2016 Auction

The Triangle Orchid Society's orchid auction on September 12 was one of the most successful auctions in recent years. This is the society's largest fundraiser, and profits from the auction are used to support our monthly speaker meetings. Over 70 beautiful orchids were purchased from Lehua Orchids (Hawaii), which supplied a variety of amazing Paphiopedilums, and Sunset Valley Orchids (California), which provided fantastic Catasetums, Cattleyas, Dendrobiums, and other genera. The auction was well attended by long-time and new society members as well as a large number of guests. The crowd was very enthusiastic, and there was some stiff bidding in the live auction. For those special, prized orchids the bidding price didn't seem to be an issue! We also had a silent auction with 30 orchids that were of wide variety and donated from members' collections. Before the auction, we had a delicious potluck luncheon with many homemade dishes and lots of sweets. Thank you!

We would like to thank the members and guests for making this event a huge success. Whether you helped set up/clean up, brought lunch or purchased orchids, the society appreciates your generosity. Some of the key volunteers included Sarah Patterson for the informative slide show on the orchids auctioned: Anne Williams for accounting; auctioneers Harry Gallis, Sidney Cox and Ralph Belk; and Nancy Harvey for organizing the event. Curtis Richie from The Sandhills Orchid Society even brought us a personalized cake!

If you were not able to attend this year's auction, be sure to attend the one next fall. If you can't wait, we'll have another exciting auction at the holiday potluck dinner at the December meeting. If you're shy about bidding for orchids, you'll



soon be able to purchase orchids at the TOS *Fall for Orchids* show and sale in November. Can one ever have too many orchids?



TOS '*FALL for ORCHIDS*' Show

Fundraising Committee Meeting

9:30 am, Saturday, Oct. 8, 2016

3502 Manford Drive, Durham, NC 27707

(Call 919-401-4533 for directions.)

All interested TOS Members are invited to attend
(or send your ideas in reply to
TOSNewsletter2015@gmail.com).

The Committee will make plans to collect items and plants for raffles,

design the display of raffle items, discuss management of raffle tickets, and decide guidelines for announcing and running the raffles.





Upcoming Orchid Events

October 15

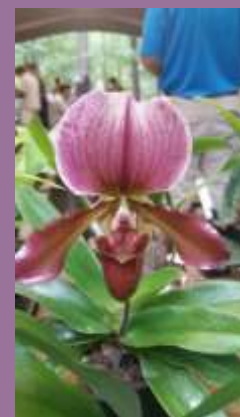
**Carolinas Judging Center
Greensboro Council of Garden Clubs building
4301 Lawndale Dr, Greensboro, NC
Plants to be judged between 10:30 – 12:30**

November 12 – 13

**Merritt Huntington Memorial Symposium
Holiday Inn Patriot, 3032 Richmond
Road, Williamsburg, VA**

November 18 – 20

**2nd Annual Triangle Orchid Society Show
Doris Duke Center at Sarah P. Duke Gardens
420 Anderson Dr, Durham, NC**

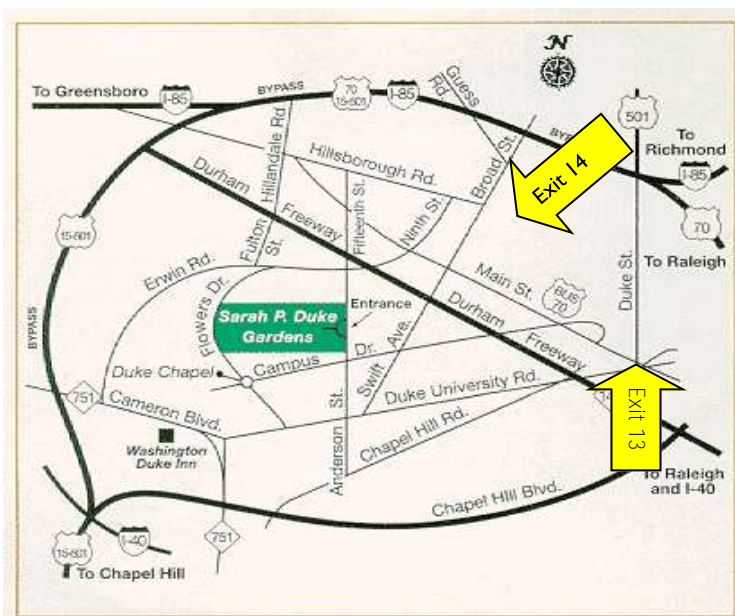


Photos of Orchids Auctioned

**The Nominating Committee has the following officers and trustees:**President: Harry GallisVice President: Ralph Belk, IIITreasurer: Axel EllingSecretary: Kelley Nipp2017 Trustee: Steven McAllister2017 Trustee: Sarah Patterson2018 Trustee: Nancy Harvey2018 Trustee: Ann Williams2019 Trustee: Pei-fen Liu2019 Trustee: open**The official TOS Nominating Committee is****Robin Gorlitz Bob Meyer Sidney Cox****Nominations from the floor will be accepted.****Triangle Orchid Society
Meeting Agenda**

DATE	SPEAKER	TOPIC
NOVEMBER 14	TOS Members	Q&A Member's sale
DECEMBER 12	HOLIDAY POTLUCK AND ORCHID AUCTION	
JANUARY 9	TBD	

7:00-7:30	Set Up Show Tables
7:30-7:40	Business Meeting and Announcements
7:40-8:30	Speaker's talk
8:30-8:50	Break
8:50-9:20	Show Table Reviews and Awards
9:20-9:30	Raffle
9:30 P.M.	Meeting Ends Take down show tables

**From the East:**

Durham Freeway (#147) to Exit 13.

Right on Chapel Hill Rd.

Right on Anderson St.

Sarah P. Duke Gardens (420 Anderson) on left.

From the West:

Durham Freeway (#147) to Exit 14.

Right on Swift Ave.

Right on Campus Dr.

Right on Anderson St.

Sarah P. Duke Gardens (420 Anderson) on left.

Newsletter Editor

Suzanne Hens

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Thank You

Charles Walker

for proofreading this newsletter.

2016 Triangle Orchid Society Dues

\$22 per year single, or \$30 per year for two persons living at the same address.

Send your dues to: Anne Williams, TOS Treasurer, 1506 Kent St., Durham NC 27707