



Orchidacea

Newsletter of the
Triangle Orchid Society

Associated with
Sarah P. Duke Gardens

Speaker for March 14, 2011 Kelvin Taylor

As a native of North Carolina, I took an interest in nature at an early age. Growing plants from seed, observing insects, and exploring the woods near my home was a favorite pastime in my childhood days. Today gardening, hiking, and photography are my favorite activities. On my first fieldtrip in 1986 to the Great Smoky Mountains National Park during the spring wildflower season, I became captivated by the myriad of plant life. I began studying botany while learning the principles of photography. Today the thrill of photographing wildflowers, waterfalls and nature scenes is as strong as my first encounter.

***This meeting will have a member plant sale
Come, see, and buy some great orchids
grown by your fellow TOS members.***

***Also, we will have a 'silent auction' of
named orchids to raise funds for TOS. See
orchid list page 7.***

Dinner with the Speaker

5:30 PM - before the meeting
at the Neo China Restaurant
4015 University Drive,
Durham behind Target's
at the South Square Mall.

Call Alan Miller to reserve a seat, at
919-969-1612
All are welcome

Please remember to pay
your 2011 dues promptly.

For your convenience a
statement accompanies this
newsletter. Print it, fill it
out, and bring it with you to
the March 14 meeting. Or,
you can send it in to Melissa
. What could be simpler!!

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**The Triangle
Orchid Society
meets at the
Sarah P. Duke
Gardens,
Durham, NC
The Second
Monday of the
Month
at 7:30 PM**

**www.Triangle
OrchidSociety.org**

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Minutes of the February TOS Meeting 2/14/2011

The February meeting was called to order at 7:30 pm by the president of the TOS, Leo Sagasti. Members and guest were welcomed. It was noted that last month's meeting was cancelled due to inclement weather. Raffle tickets were available for \$1 each. Bring a plant for the Show table and receive a free raffle ticket for up to a maximum of 5 tickets. Remember, if you purchase 5 raffle tickets, you will receive a 6th one for free.

Thanks to Miriam Sagasti for the refreshments this month., Lee Allgood for hosting the Welcome Table and Paul Feaver for setting up the show tables.

Thanks to the previous Board Members for the outstanding work and dedication throughout the year of 2010.

For the Orchid Society shows we participated in we thank Marie Crock for her phenomenal job at setting up the North Carolina Piedmont Orchid Society show near Charlotte. Thank you also goes to The Orchid Trail for the help with orchids and manpower in the exhibit The table top exhibit received a red ribbon. There were 59 orchids loaned for the exhibit of those 6 received blue ribbons. .

In the NC Triad Show TOS received a blue ribbon for the 50' exhibit, 2 AOS awarded orchids, 7 blue ribbons, 8 red ribbons, 8 white, ribbons. There were 54 plants in the show.

We participated in Darwin Day February 12 at the Museum of Natural Sciences Phil Warner Chaired the event and was helped by Armando Neves, John Myhre, Robin and Josh Gurlitz. Thirty one orchids were loaned by TOS members.

The Blue Ridge show in Roanoke VA. is coming up March 10-14. Leo and

Miriam Sagasti will take it down, we need volunteers to help set it up.

Virginia Show, in Richmond will be held February 25-27. and the Western Carolina Orchid Society show in Asheville will be March 25-27.

Our TOS Show is scheduled for May 6-8 at Raulston Arboretum in Raleigh. We need volunteers for the show. Leo Sagasti, Bob Meyer, and Robin Gurlitz, are chairing the event. Josh Gurlitz and Michael Wagner will register the orchids. Bob Meyer will spearhead publicity. Orchid societies participating are: Piedmont, Triad, Cape Fear, Sand Hills, Blue Ridge, Virginia Orchid Society in Richmond and Coastal Carolina. Vendors will be Seagrove Orchids, The Orchid Trail and J&L Orchids.

We have planned a trip to the Green Swamp on Saturday May 21. It will be lead by David McAdoo. Paul Welty will be the contact.

Growers Day will be August 6. We need a Chair for this event. Fall Auction will be Sunday September 25. We will not have a Spring Auction this year due to conflicts with our show.

We need volunteers for the Welcome (table (see Lee Allgood) and Refreshment tables (see Michael Arner).

At the next TOS meeting (March) the speaker will **NOT** be selling plants. We will have a member's plant sale. Remember: bring your orchids you want to sell. Price them and sell them to your fellow TOS members.

Nita Glickman has donated very nice orchids to the society; Alan Miller has donated his collection of AOS Orchids magazine and Pepper Fluke donated orchid books.

Ralph Sears introduced our speaker, Linda Wilhelm from Woodland Orchids.

Nick Plummer did an excellent job of discussing the beautiful plants on the Show tables. Time prevented every plant from being discussed. (You may bring to the attention of the presenter a question about a specific plant if that plant has not been discussed.)

The Jack Webster Award Plants were: Greenhouse Grown Awards:

1st Place: Slc. Jewell Box 'Dark Waters' – Paul Virtue;

2nd Place: Paph. Double Deception – John Martin;

3rd Place: Dinema polybulbon – Paul Feaver.

The Non-Greenhouse Grown Awards:

1st Place : Bc. Maikai – Sally Carpenter;

2nd Place: Masdevallia Maui Lollipop

– Marie Crock;

3rd Place: Masdevallia patriciana

– Lee Allgood .

The meeting adjourned 9:30 pm. Minutes submitted by Armando Neves, Secretary, TOS.



**Ralph Sears, Vice
President, Program
Chairman**

**Your editor wants to correct
an error in the February
Newsletter.**

This is the real Ralph Sears.



**Opsistylis Mem. Mary Natrass
(Vandopsis gigantea 'Fernbrook'
X Rhynchostylis gigantea 'Sagarik')**



**Jack Webster Awards
Non-Greenhouse Grown**

1st Place Ribbon:
Bc Maikai
Grown by Sally Carpenter



2nd Place Ribbon:
Masd. Maui Lollipop
Grown by Marie Crock



3^d Place Ribbon:
Masd. patriciana
Grown by Lee Allgood

**Jack Webster Awards
Greenhouse Grown**



1st Place Ribbon:
Slc Jewewll Box "Dark Waters"
Grown by Paul Virtue



2nd Place Ribbon:
Paph. Double Deception
Grown by John Martin

3rd Place Ribbon:
Dinema polybulbon
Grown by Paul Feaver



Linda Wilhelm—February Speaker

Our appreciative thanks to Ana MacDowell & Van Ewert of Sandhills Orchid Society for transcribing these notes in August 2010.

Linda's talk – 'Living Gems – Little Jewels for Small Spaces' started with those reasons that many growers would rather use the limited growing space that they have for smaller plants; rather than use extended space for the larger plants such as Cattleyas – where 3-4 large Cattleyas could fit, you could have 15-20 smaller miniature orchids. Growing under lights is a popular and easy management for the orchid collection under the proper conditions.

Linda started with Pleurothallids, the first being the *Pleuro. allenii*, brightly colored. This was followed by *Pleuro. tribuloides* [Lobster Claw] and then *Phymatidium tillandsioides*, a small charming white flower. General culture required that high humidity was needed, however, not soggy conditions. Linda mentioned that humidity is defined as 'water in the air' not on the plant [via misting]. It is necessary for the roots to 'breathe'. *Masdevallia florbunda* with its many small white flowers was viewed. Next was two *Draculas*: *D. inaequalis* ["the Monkey-face plants"] – a warm growing *Dracula*; and then *D. Jester* – a delightful member of this group. *Masdevallia* Steve Vance – a warm growing member was shown. Mention was made of spider mites, and Linda stated that spider mites love *dry* conditions; keeping the conditions humid would reduce the risk of this pest. Using pebble trays with water below the bottom of the pot would assist with mite problems. *Trichocentrum tigrinum* was viewed. Closely related to the Mule-ear *Oncidium*s; these flowers are as big as or bigger than the physical plant and impressive. *Cischweinfia dasyandra*, a cute miniature requires shade and *Baptistonia echinata* [Bumblebee Orchid] does best when mounted or in a 'net' pot.

When growing under fluorescent bulbs, Linda reminded the growers that changing these bulbs annually could make quite a difference in the growth of the plants, as the bulbs do become less effective as they age. Next, we viewed the bright yellow *Oncidium onustum* – currently moved from this classification by taxonomists. This plant grows in Peru on cactus and is generally very dry. They have special cells in the roots to absorb and retain water.

The repiculous *Laelias* have this same characteristic. Therefore, these plants are best watered early in the morning or pm and not in the heat of the day. *Onc. croesus* is a red & yellow charmer. *Tolumnia* [the old *Equitant Oncidium* group] are often called the 'twig epiphytes' and *Onc. sylvestris* is considered a 'weed' in Cuba. The beautiful *Tolumnia Sundown Reef 'Spotted Ewok'* AM/AOS showed the real beauty of this group. Linda said to water well and then let dry. Also stated was to leave the spikes on after flowering as they will flower again. These plants are intolerant of fertilizer salts, so flush liberally. She also mentioned the use of Formula 409 or Isopropyl Alcohol [70%] as an effective 'pesticide' for 'critters' that might be found present. Use of Formula 409 may require washing it off after a short period.

*Bulbophyllum*s are a staple in the compact collection and grouped together are *Trias ovate*, *Bulbo. ambrosia*, *Cirr. bootanoides* [looking like baby booties], & *Cirr. vaginatum*. Mounting these plants or placing in small pots will depend on how much you prefer to water. In the vandaecous miniatures, *Angraecum dideri*, *Dikia hendersonianum*, *Aerangis citrate*, & *Aerangis luteoalba* var. *rhodosticta* are wonderful favorites – generally high light and good humidity. *Tuberolabium kotense* from the Philippines is very fragrant and will do well under the center of the lights or with east sunlight. Some small orchids exhibit 'mat-type' foliage with the flowers appearing on top of the matted leaves. *Epidendrum* [now *Dinemia*] *polybulbon* from Cuba is a good example as well as *Dendrobium lichenastrum* and *Neolauchia pullchella* – grown shady and with high humidity. A fine red beauty is *Maxillaria sophronitis* – bright orange-red. All Mat types should be grown on an open media. For the small *Cattleya* alliance, we have the brilliant red *Sophronitis coccinea* [cold & bright], and *Soph. cernua* [warm & bright], and *Soph. brevipedunculata* [also warm & bright]. Linda showed *Soph. Arizona* [*S. brevipedunculata* x *S. coccinea*], a warm growing hybrid of these fine miniatures. She completed the presentation with *Sc. Fire Fighter*; *Sc. Richard Kosel*, & *Sc. Jörg Dietrich Beischer* [a splash-petal]; each of these compact plants being a fitting end to an excellent talk and fun journey through the miniature world of orchids.



Silent Auction

Your part before Monday night: look up the orchids. Most are named and very nice and many do need repotting.

The “how to” for the silent auction. The orchids will be displayed on a table on Monday night with their names and a sheet to write your name. All will start with a \$5 minimum bid and all will have a \$1 minimum increase in bid. Write your name down and write your bid. If you start the bid, it will be \$5. The next bid would be \$6 (unless you just want to jump ahead in price) etc. The bidding opens as soon as the orchids are out before the meeting, and will end at the end of the break period.

When bidding ends, whoever is the last name with the last bids “wins” the plant. It is fun. These orchids want new home—make it yours!

Here is the list of orchids we will have at the 'silent auction'.

Blc Picotee Passion 'SVO' AM/AOS x Lc. Mem Robert 'Strait' 'SVO'
Bulb. Acutebracteatum
Bulb. biflorum 'Eiso' AM/ AOS
Cat. Trick or Treat (?) in bloom
Den. nobile in bloom
Den. nobile in bloom
Diacm. Chantilly Lace 'Twinkle' HCC/AOS
(C El Dorado Splash x Cau. bicornutum)
Lc. Cariatid's Mini-Quinee Lc. Mini Purple 'Blue Haxaii' AM/AOS
x C. intermedia v. aquinii Coerulea 'Haneda' AM/AOS
Mtdm. Rosy Sunset Pupukea Sunset x Oncornithorhynchum HCC
Paph. Ho Chi Minh (Paph. vietnamense x Paph. delenatii)
Paph. Misty Dell (Magic Lantern 4N '#2' x delenatii 'Large')
Paph. Ma Belle (belletulum x malipoense)
Paph. Ron Williamson niveum x primulinum
Paph. Virtuous (Virgo x Niveum 'C.H. #3')
Phal. pulcherrima 'Lemon Dolly' x Waldor'
Phrag. Carilinum 'Aileen' AM/AOS
Phrag. Conchiferum
Phrag. Corchiferum
Phrag. Nitidididum 'Neviller' AM/AOS caudatum x Conchiferum
Phrag. xerophyticum

Growing Tips for March

By Courtney T. Hackney EMAIL at Hackneau@comcast.net

Over the years, numerous emails have asked about plant immunity to diseases and pests. Readers tend to think of plant immunity as similar to ourselves or our pets. Our immune system depends on a circulatory system (blood) flowing through our body and the production of specialized cells and compounds that attack and destroy attacking diseases and organisms. Plants do not have a circulating fluid like blood that could carry such disease fighting materials to the site of infection, but they do fight disease.

As many emails have noted, plants survive infections and attacks by insects. How do they do it? Plants have disease fighting mechanisms, but they work in a different way. When a plant is infected by a bacteria or fungus chemicals secreted by the dying cell alert other cells in the plant to the danger, a Hypersensitive Response (HR). The next cell quickly dies and becomes a physical barrier to the invasion. In death, it may also become hard and unattractive to the invader by producing toxic compounds.

Those who talk to their orchids may not be surprised to learn that plants "talk" communicate with each other too. When damaged by a disease or insect, plants can release a chemical signal that is transmitted through the air to other plants initiating the production of toxic compounds in leaves and flowers.

Many orchid hobbyists have noted the tendency for new plants brought into the greenhouse to be attacked by insects or disease for the first few months. Afterwards, they recover and do not have any additional problems. Now you know why.

Research is underway to develop ways of stimulating the Hypersensitive Response in plants artificially. A naturally occurring protein isolated from bacteria has been shown to initiate the protective response in plants when applied to leaves. Best of all, it is not a pesticide, but a deterrent.

Everyone I know is really hoping that the groundhog was right this year because it has been a cold winter. Many of the orchids in my greenhouse are telling me winter is over, too, by putting out nice new growths. Phalaenopsis in bloom should also be growing new roots and leaves if they are getting enough fertilizer. Cool nights and warm days are perfect for the growth of most tropical orchids.

The low humidity, longer days, and more intense light this time of year, means more water is needed. This is perfect, because it allows feeding with dilute organic fertilizers, e.g. fish or seaweed emulsion. These products are great to start the growth cycle because they have all of the major and micronutrients. Also, be sure you water pots and orchids thoroughly; flushing salts from the roots and pots before hot temperatures arrive. If you use Nutricote (Dynamite) it can be added now, along with the dilute liquid fertilizer. The Nutricote lasts for 6 months, but most orchids prosper from a little spring tonic of fish emulsion. The Nutricote is also heat activated and does not seem to really kick in until late spring, depending on where you live.

Vandas and other hanging orchids always perk up after they get a little fish emulsion, especially if they have been suffering over the long winter.



Phais tankervillai

Announcements & Upcoming Orchid Events

Green Swamp Field Trip

May 21 : Wonderful trip to see native orchids led by David McAdoo. Sign up with Paul Welty, pwelty@averillpark.net

Growers Day

August 6th Raulston Arboretum, Raleigh, NC. This is one of our signature events. Be prepared to come learn about orchid culture and volunteer to help out.

Fall Auction

Sunday Sept. 25 : At Lake Crabtree County Park, Morrisville. Beech Pavilion. Noon pot-luck lunch and auction begins at 1:00 PM. More information later, but put this on your calendar

Triangle Orchid Society Show

May. 6,7 & 8 : Mothers Day weekend in Raleigh, NC. See information on page 10 following



Bl. Morning Glory

Triangle Orchid Society Meeting Agenda:

7:00-7:30	Set Up Show Table and Chairs
7:30-7:40	Business Meeting Announcements
7:40-8:30	Program
8:30-8:50	Refreshment Break
8:50-9:20	Show Table Review, Show Table Awards
9:20-9:30	Raffle

Calendar 2011

Speaker

Topic

Mar
14

Kelvin Taylor
TOS Members sale
and silent auction

Native Orchids
In
North Carolina

April
11th

Dr. Harry Gallis

Dendrobiums

May
9h

Clark Riley

Cinderellas Slippers
found- The Cypripediums and Se-
lenipediums

Welcome Table

Refreshments

March

Lee Allgood

Michael Arner

April

Need Volunteers

Need Volunteers

TOS Show Awards

This year TOS members have loaned plants for two AOS judged shows. The first was the Piedmont Orchid Society Show in Charlotte. The next was the Triad Orchid Society Show in Greensboro. TOS also set up a display table at the North Carolina Museum of Natural Science in Raleigh for their Darwin Day event.

Listed below are the awards our members received for plants loaned to the two judged exhibits.

1) North Carolina Piedmont Orchid Society

Table top Exhibit: red ribbon

NCPOS First place trophy winner:

Bc 'Maikai', Suzie Havens

Best Cat. Alliance:

C. percivaliana "Summit", Heather Schneider

First Place Blue ribbons

Blue ribbon and AOS/HCC award: Den. undulatum x canaliculatum, Robin & Josh Gurlitz
Asctm. Mona Church (ampullaceum x miniatum), Bob Meyer

Calanthe Gorey x Gorey maroon, Billy Barnes

Paph. philippinense (aka roebelinii)

x kolopakingii, Marie Crock

Schomburghia rosea, Marie Crock

2) Triad Orchid Society Show

Fifty foot exhibit: Blue Ribbon

Best in Class Blue ribbon:

Den. pumilum, John Stanton

Blue ribbon AOS/HCL award:

Paph. (wardii x violascens), John Martin

Blue ribbon AOS/AM award :

Paph. (wardii x violascens), John Martin

First Place blue ribbon

Burr. Pacific Command 'Hulna Road' aka Wilsonara, David Pickett

Cataseum saccatum, Bob Meyer

Paph. Druid Spring, Robin and Josh Gurlitz

Paph. haynaldianum album, John Martin

Paph. Battle of Egypt 'Alpha', John Martin

Second Place Red Ribbon

Tolumbia Golden Glow, Lee Allgood

Ascocentrum miniatum, Phil Warner

Phrag. Ashley Wilkes, Phil Warner

Alcra. Memoria Jay Yamada 'Kauai', Alan Miller

Den. aggregatum, Alan Miller

Rlc. Mount Hood 'Mary' x Aristocrat 'Snowy Owl', Robin and Josh Gurlitz

Stenorrhynchos speciosa, Marie Crock

Vanda Roberts Delight 'Big Red', Paul Virtue

Third Place White ribbon

Bl Morning Glory, Phil Warner

Arachnostylis Joy 'Breckenridge', Bob Meyer

Lc Spring Fires 'Lennette #1', Bob Meyer

Alcra Memoria Jay Yamada 'Kauai', Alan Miller

Cym. Oriental Legend, Robin and Josh Gurlitz

L. lobata alba, Robin and Josh Gurlitz

Paph. (wardii x violascens), John Martin

3) Darwin Day

Thanks go to the following TOS members who loaned orchids for our Darwin Day exhibit In February:

Phil Warner, Sunny Allen, Bob Meyer, John Myhre, Robin and Josh Gurlitz, David Pickett, Paul Feaver.

These shows are fun and educational. They are a great opportunity to see fine orchids well grown. Get involved and volunteer for a show— you'll be glad you did!!!



Associated with

Sarah P Duke Gardens

Interim Newsletter Editor
Josh Gurlitz

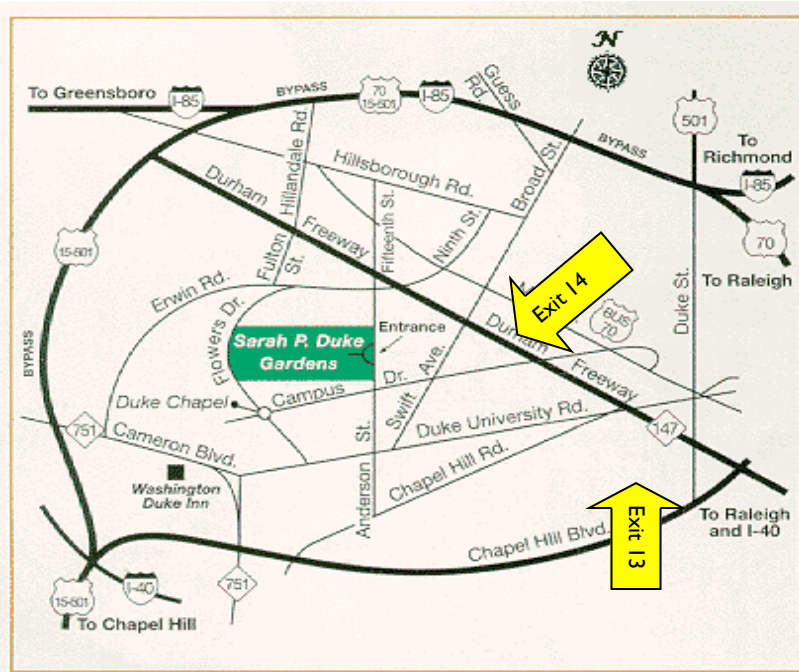
Phone: (919) 929-9717
E-mail: robing@i-gga.com

**Our TOS Show Poster
has been designed
and produced by
Miriam Sagasti**



**Contact co-chairs Bob Meyer, Leo Sagasti or Robin Gurlitz
to volunteer for this show.**

**Working at a professionally judged show is great fun and one of
the best ways to learn about Orchids. Try it!!**



**The Triangle Orchid Society
meets at the
Sarah P. Duke Gardens,
Durham, NC
The Second Monday of the Month
at 7:30 PM**

**Visitors are Welcome!
www.TriangleOrchidSociety.org**

From the East. **Exit 13 on the Durham Freeway(#147)**
Head South on Chapel Hill Rd. Turn right on Anderson St.
The Gardens are on the left.
From the West. **Exit 14 on the Durham Freeway (147)**
Head South on Swift Ave. Turn right on Campus Drive ,
Turn right on Anderson St. The Gardens are on the left.

Triangle Orchid Society Dues are:

\$18 per year single, or \$24 per year for two persons living at the same address.

Mail to: Melissa Bullard, Treasurer 510 North Street Chapel Hill, NC 27514