



Orchidacea

Newsletter of the
Triangle Orchid Society

Associated with
Sarah P. Duke Gardens

Program for Nov. 11, 2013...Mark Reinke

Decoding Dendrobium:

The Suprising Orchids You *Thought* You Knew!

Mark Reinke had a passion for plants from the time he was a child growing up in a **small town outside of Chicago**. **When his family moved to Florida in the 1960's he got** his first orchid plant as back bulbs while helping out a neighborhood lady who had a large orchid and bromeliad collection. Since then, orchids have always been one of his major interests.

In 2004, he and his partner Gary Collier sold their business in Atlanta and moved to the Blue Ridge Escarpment area of South Carolina to grow plants full time under the business name Marble Branch Farms. They constructed a large greenhouse and seed laboratory so they could focus on creating new orchid hybrids, concentrating especially on miniature and compact cattleya types, with an emphasis on new and unusual breeding lines. They now have a thriving online business and are challenged to produce plants quickly enough to keep up with demand.

Why would anyone familiar with orchids be surprised by the genus Dendrobium? Perhaps because the Dendrobium plants most commonly seen for sale are not necessarily what does well under cultivation in our temperate latitudes, but what is easy and inexpensive to mass produce in outdoor orchid ranges at low elevation in Thailand and Indonesia. Yet, these showy plants that prove difficult to rebloom in our collections represent only a tiny sampling of this widespread and diverse genus that comes from many different climate types, and from sea level to more than ten thousand feet above.

Mark's program offers a comprehensive introduction to the genus, clarifying some of the native climates and cultural needs of the sections you may already have basic familiarity with, and introducing you to some that are only now becoming more available commercially. Hopefully you will be pleasantly surprised by how many of these new introductions would do well alongside your Phalaenopsis or Cattleya orchids, offering long lasting, colorful blooms without the need for high heat, high light, or annual starving or chilling.

Mark will be bringing plants to sell.

Monday Dinner with Speaker (note new venue)

5:30 PM - **before the meeting** at the **Carrabba's Restaurant**

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

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

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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.TriangleOrchidSociety.org

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TOS 2014

The Nominating Committee has placed in nomination the following members for the 2014 Board of Trustees and officers. We have our election at our November meeting on Monday, Nov. 11.

Come and vote!!

President	Nancy Harvey
Vice President	Sally Carpenter
Treasurer	Anne Williams
Secretary	Sidney Cox
Past President	Ralph Sears

Board of Trustees

2014	Gerry Bowater
2015	Suzanne Hens
2015	Harry Gallis
2016	Pein-fen Liu
2016	David Devine



RALPH & JENNY SEARS

October Program

Tom and Shan Nasser presented the program at our October meeting. Tom included discussion of many species including small orchids and miniatures. He described the cultural traits of each. Tom emphasized the importance of water in the healthy life cycle of many orchid species.

Tom and Shan also brought a great selection of plants for purchase.



Den. aggregatum lindleii
Grown by Bob Meyer
January, 2013



Chiloschista parishii
Grown by Sarah Patterson
April, 2013

Courtney Hackney..Growing Tips for November 2013
Dept. of Biology, Univ. North Florida

Email: Hackneau@comcast.net

What's in a name? A lot if we are discussing orchids. This "Tips" column covers a subject that I usually avoid because it is both confusing and frustrating for new hobbyists trying to understand conversations about orchids. It seems, however, that every speaker I have heard lately references the "new names" that are being used and they do so with an air of frustration. So, let's try to clarify what this is all about and why knowing the name of an orchid or hybrid is still important.

How do orchids get their names? Orchid species are named by botanists who know a great deal about the plants we call orchids; usually about one small group of orchids. When someone collects an orchid that looks "different" than what is known it is sent to a taxonomist, a person who knows plants in infinite detail. If the plant is really different than any plant previously known it is given a name, often one that reflects something about the flower, where the orchid was found or after the original collector. This is the specific name. The taxonomist then tries to place that plant with a group of other orchids closely related. This is the genus. So, the common Florida orchid *Encyclia tampensis* was first found near Tampa Florida, hence the specific name and placed in the genus *Encyclia*.

So what is the problem? First, the taxonomist can be wrong and the orchid could have already been described in a previous publication. The North American native *Epidendrum conopseum* recently was changed to *Epidendrum magnoliae* because that name was published earlier for the same species. Sometimes there is disagreement as to whether a new species is distinct enough to be called a species. Earlier, most large flowered cattleyas with one leaf per pseudobulb were all called *Cattleya labiata* with varietal names, e.g. v trianaei. Taxonomists now call them different species, but opinions change from time to time and so do the resultant species names. Eventually, most orchid names were accepted and standardized by commercial growers and hobbyists.

DNA analyses have changed the way we now view species. Instead of examining flower and plant structure, a portion of an orchid's DNA is analyzed and compared to other species. For the most part, taxonomists had the specific designation correct, but placement of a species into a particular genus was more problematic. Based on DNA similarity, some orchids were closer to a different genus than the original one in which they were placed. Placement of orchids into a genus was always a little controversial, so the results of these DNA analyses were not surprising. Expect additional revisions as more DNA analyses are completed.

The revision would not matter much if there were no hybrids. Hybrids of orchids from two different genera received a new hybrid genera name. The hybrid between *L purpurata* and *C mossiae* was named *Laeliacattleya Canhamiana*. The recent move of *L purpurata* to the genus *Cattleya* means that the hybrid is now called *Cattleya Canhamiana* (note that hybrid names are capitalized and not in italics).

Such a change would have been very difficult to record and track before computers came along, but now are possible with a few strokes of the keyboard. Hybridizers always knew that orchids in many genera were closely related because they readily made hybrid offspring. Now, the genus designation more closely reflects the genetic relationship.

Are name changes over? The simple answer is no. Current DNA analyses used only part of an orchids DNA. When all of an orchids DNA is analyzed, there may be more changes. Even if that does happen, you will always be able to find the new genus thanks to modern computer technology.

This will be Courtney Hackney's last "Growing Tips" article. We owe Courtney our gratitude for having provided such timely and useful information to this newsletter (and many others across the United States). Courtney has been selfless and generous of his time and talent to write a new column for us each month for many years. His columns, and speaker engagements, have added a strong knowledge base to both beginners and advanced orchid growers alike. We wish him great success in whatever he is moving on to.

Thanks from all of us at the Triangle Orchid Society!

Renanthera monachica
Grown by Alan Miller
May, 2013



[Visit our website at:](http://www.triangleorchidsociety.org)
www.triangleorchidsociety.org



Jack Webster Awards
Non-Greenhouse
Grown

1st Place Ribbon:
Ceratocentron fessellii
Grown by Charles Walker



2nd Place Ribbon:
Cycnoches Jean E. Monnier
Grown by Lee Allgood



3d Place Ribbon:
Cattleya bowringiana var.
albescens
Grown by Sidney Cox

!!!ALAN MILLER PROVIDES ALL OF THE SHOWTABLE PHOTOS..THANK YOU ALAN!!!!

Jack Webster Awards Greenhouse Grown

1st Place Ribbon:
Bc. Nakornpathome Silver "Olivene"
Grown by Paul Virtue



2nd Place Ribbon:
Den. Betty Nakada
Grown by Melissa Bullard

3^d Place Ribbon:
Dendrochilum magnum
Grown by Melissa Bullard



TOS HOLIDAY PARTY

Monday, December 9th,

6:30 PM

Sara P. Duke Gardens

Garden Center

Durham, N.C.

Member Pot Luck Dinner

Pot Luck Dinner starts at 6:30 PM

Plant auction follows

Please bring your favorite covered dish to share

Triangle Orchid Society Meeting Agenda:		Calendar	Speaker	Topic
7:00-7:30	Set Up Show Table and Chairs	Nov. 11, 2013	Mark Reinke	Decoding Dendrobium
7:30-7:40	Business Meeting Announcements			
7:40-8:30	Program	Dec. 9, 2013 <u>At 6:30</u>	Holiday Party	Good Cheer
8:30-8:50	Refreshment Break			
8:50-9:20	Show Table Review, Show Table Awards	Jan. 2014	Watch This space	
9:20-9:30	Raffle			

Welcome Table

Refreshments

November	Jenny Sears	Connie Howard
December	Jenny Sears	Each & Every One of Us!



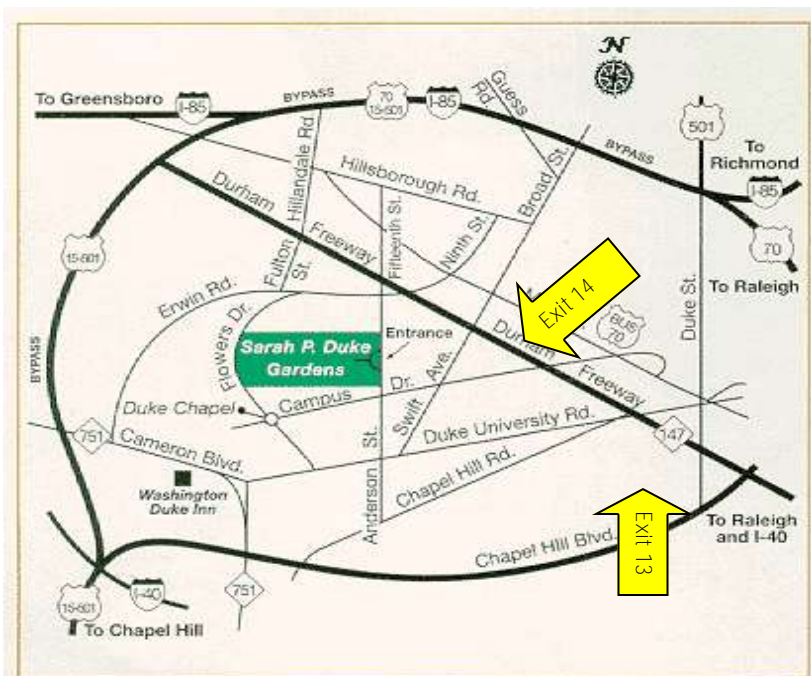
Associated with
Sarah Duke Gardens

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Map and directions
To Sarah Duke Gardens.



Aranda Noorah Alsogoff



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:

\$20 per year single, or \$26 per year for two persons living at the same address.

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