



TRIAD ORCHID SOCIETY NEWSLETTER

June 2010 edition



Preview TOS meeting for May 2010:

Hello to all and I hope that everyone had a great Month. This Sunday June 13th, 2010, TOS welcomes speaker Martin Motes to speak on Vandas. Martin Motes is a second generation orchidist who has been growing orchids for over 50 years. He is president of Motes Orchids, a major producer of Vandas. He has bred hundreds of new hybrids, for which he has received scores of American Orchid Society awards including three FCCs and three Awards of Quality. His hybrids received Gold, Silver and Bronze medals at the 18th World Orchid conference in Dijon , March 2005. One hybrid garnered the trophy as "Best Vanda in Show". Other hybrids have won medals in previous WOCs as well as at the European Orchid Conference. Additionally numerous of his hybrids have been recognized by the Royal Horticultural Society and in other international judging venues. He is an accredited American Orchid Society judge. (continued next page)

Triad Orchid Society

Meetings the Second Sunday of Every Month

Location: The Greensboro Council of Garden Clubs, Inc., 4301 Lawndale Drive, Greensboro, NC. , 27455

Setup at noon / Potluck Lunch at 1:00 pm / Meeting at 2:00pm.

New members always welcome!

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Officers of Triad Orchid Society:

President: Dr. Kenneth Karb
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Secretary: JJD Consortium

Treasurer: Annette Hastie
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Martin's frequent articles have appeared in *The Fairchild Garden Bulletin* , *The South Florida Orchidist* , *The Orchid Digest* , *The Orchid Review* and *The American Orchid Society Bulletin* . He is the author of *Vandas: Their History Botany and Culture* , *Florida Orchid Growing: Month by Month* and *Florida Vanda Growing: Month by Month* . He is working on a monograph of the genus *Vanda* with Dr. David Roberts. Martin was an assistant professor of English at Wright State University for several years and has taught at the University of Miami and Miami-Dade Community College . He spent nine years as the director of horticulture therapy at Grant Center Hospital and was a consultant on horticulture therapy for the Hospital Corporation of America .

A native Floridian, Martin has lived most of his life in Miami, Florida, but also spent 6 years in Ohio and 2 years in Yugoslavia as a Senior Fulbright lecturer at the University of Kosova. He has traveled extensively in the Mediterranean and has observed wild orchids in Australia , the Bahamas, Belize, Bolivia, Brazil , Britain, the Cayman Islands, Costa Rica, Ecuador, Florida, Guatemala, Ireland, Jamaica, Malaya , Mexico, Nepal, Panama, Peru, Puerto Rico, Thailand, Venezuela, the Virgin Islands and Yugoslavia . Martin has twice taught *Vanda* Production at the University of Florida Orchid Short Course in Gainesville . He has worked as a consultant in various capacities to the extensive orchid industry in South Florida . He teaches classes at Fairchild Tropical Gardens which in addition to Orchids include Growing Asiatic Vegetables, and Great Tasting Tomatoes for South Florida . More than 20 lectures a year fills Martin's busy schedule. In the past this has included national orchid conferences in the US , Britain , Thailand , Nepal and Australia . He was a featured speaker at the World Orchid Conferences in Rio, Dijon and Kuala Lumpur , where he chaired the Hybridizers' Forum and was a panel member at the Commercial Growers' Forum. He publishes a monthly news letter. This Month in Your Orchid Collection geared to the special needs of orchid growers in South Florida and other tropical regions.

To get away from the orchid greenhouse, Martin reads and occasionally, writes poetry, tends his vegetable garden, and fishes. He is married to Mary Motes author of the best selling comic novel, *Orchid Territory* , a hilarious view of the wacky world of orchids in South Florida .

May 2010 Speaker recap; Joe Francis and Orchid Virus Testing

Orchid viruses are a topic that many growers want to know more about, but few may be willing to accept the consequences. Orchids have many diseases and pests. While most of us can deal with slugs or scale, viruses frankly scare us because of their insidious and utterly final nature: once infected, an orchid will always be infected. Viruses are not alive in the sense bacteria or fungi, but are miniscule packages of protein and nucleic acid that require a living plant to survive and reproduce. Once in the cells of an orchid a virus will spread rapidly through the entire plant. After infection, a plant itself becomes a vector source for further infections. There is no hope for a plant once infected, and most plants ought to be removed or isolated from collections, if not destroyed. Most, if not all collections, have infected plants. On average ~20% of the plants in any collection are infected. No orchid species is immune to infection. Probably due to their popularity and a variety of cultural reasons *Cattleya* and *Phalaenopsis* orchids seem to be as a group have more viral infections. Infected plants display characteristic features such as color break in the flower, which is often only present after a stress or in a weakened or sick plant; necrosis of plant tissue; yellow streaking in the foliage; and simple failure to thrive. However, one must distinguish between a sick or sunburned plant and viral infected plant. To do this, there are tests available to the home grower that can identify the type of infection present. Although there are over 30 known viruses that infect orchids, the two major viruses that trouble most orchid growers are the are ORSV (Odontoglossum Ringspot Virus) and CYMMV (Cymbidium Mosaic Virus). For quick determination of the type of infection, Joe showed us how to use home ELISA/antibody test kits to identify infected orchids. The kits he used were from Agdia(<http://www.agdia.com/>). The strips can detect both viruses in a single test and take only 5-10 minutes to get a result. The grower can also send samples to companies such as Critter Creek (<http://www.crittercreeklab.com/>). It must be clearly stated, a negative test still does not mean a plant is clean of virus since there is still the unlikely possibility of infection by one of the other 28 viruses. Therefore, the visual cues described above are probably the best indicator of something wrong and warrant action for that plant.

The best strategy for a grower regarding viral infections is to identify infected plants, isolate them from the collection, and prevent spreading of the virus within a collection. To prevent the spread of infection through a collection, cleanliness and organization are the keys: clean you bench top regularly, remove dead plant material, don't overcrowd your growing areas, don't let plants touch one another, don't let water splash from one plant onto another, clean you tools and hands between plants, and don't use old media or pots without cleaning with a 10% bleach solution. Joe left us with several questions before he finished. Do you want to know whether your orchids are infected? Does knowing which plants in your collection change the way you grow? Will it change your attitude towards growing orchids? Eliminating viral infected orchids from large collections is probably impossible and some infected plant never show signs of disease. The expense of identifying diseases plants in large collections can be crushing and in the end if it doesn't change the way you grow, what is the point of the effort.

DRL

May 2010 Show Table results

Cattleya Alliance Species

- | | |
|---------------------|---------|
| 1. C. skinneri | Richman |
| 2. Encyc. aromatica | Dorcas |
| 3. L. purpurata | Richman |

Cattleya Alliance Hybrids

Small Flowers

- | | |
|-------------------------------|--------|
| 1. Soph. Arizona 'Little Red' | Dorcas |
| 2. Epc. Middleberg 'MAJ' | Karb |
| 3. Epi. Orange | Dorcas |

Cattleya Alliance Hybrids

Large Flowers

- | | |
|---------------------------|------|
| 1. C. Summer x aclandiae | Karb |
| 2. C. Coquina | Karb |
| 3. Pot. Afternoon Delight | Karb |

Phalaenopsis

- | | |
|----------------------------|---------|
| 1. Dtps. Lonnie Morris | Richman |
| 2. Phal. Joy Spring Canary | Ben |
| 3. Phal. parishii | Dorcas |

Paphiopedilum

- | | |
|------------------------|--------|
| 1. Paph. philippinense | Dorcas |
| 2. Paph. philippinense | Kepley |
| 3. Paph. Ho Chi Minh | Dorcas |

Phragmipedium

- | | |
|----------------------------|---------|
| 1. Phrag Belle Hogue Point | Kepley |
| 2. Phrag Suzanne Decker | Richman |

Oncidium

- | | |
|---------------------------------|------|
| 1. Milt. Patricia Marie Linares | Karb |
| 2. Milt. Bert Field | Karb |

Vandaceous

- | | |
|---------------------------|--------|
| 1. Aerides rosea | Dorcas |
| 2. Ernestara Firestore | Karb |
| 3. Ascda. Princess Mikasa | Dorcas |

Miscellaneous Genera

- | | |
|-----------------------|----------|
| 1. Pleur. racemiflora | Goldberg |
| 2. Pleur. species | Goldberg |
| 3. Bulb. graveolens | Karb |

Best Species

C. skinneri 'Cherokee' Richman

Best Specimen

Pleur. racemiflora Goldberg

Best Flower

Phrag. Belle Hogue Point Kepley



Triad Orchid Society Meeting Schedule, 2010

<u>Date</u>	<u>Speaker</u>	<u>Topic</u>	<u>Business/affiliation</u>
January 10	TOS members	Orchid Presentation	
February 8	Francisco Miranda	Rupicolous Orchids	Miranda Orchids
****March 7**** First Sunday!!!	Tom Nasser	Angricoid orchids	Carolina Orchids
April 11	Cordelia Head	Things Come in Small Packages	J&L OrchidsGood
May 20* Third Sunday to avoid Mom day conflict	Local speakers	TBA	
June 13	Martin Motes	<i>Intergeneics of Vanda and Ascocenda</i>	
July 11	Robert marsh	<i>Breeding Barkerias and Mexican habitats</i>	
August 8	Bill Thom	Program your show table	
September 9	TOS Auctions		
October 10	Fred Clark	TBA	
November 7 First Sunday!!!	Aybar Manny Manuel Aybar	<i>Tolumnias of the Dominican Republic</i>	
December 9	T		

BACK ISSUES of AOS ORCHIDS

Shirley has AOS magazines starting in 1996 to this year. She would like to give these to someone. If anyone wants them contact Shirley at 336-940-6272.

