

The Atlanta Orchid Society Bulletin

The Atlanta Orchid Society is affiliated with the American Orchid Society, the Orchid Digest Corporation and the Mid-America Orchid Congress



Newsletter Editor: Mark Reinke

www.AtlantaOrchidSociety.org

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MAY MONTHLY MEETING

8:00 pm Monday, May 12, 2014 Atlanta Botanical Garden, Day Hall

Rick Lockwood, Brentwood, TN

"What do Orchids Eat?"

PLEASE NOTE: The ABG has rented out Day Hall for an all day meeting on May 12, which does not end until 5:30 pm. They will be resetting the room as quickly as possible, but we do not recommend arriving before 7 pm.

Rick Lockwood is an environmental toxicologist for **ENVIRON** International, where he is а managing scientist for the aquatic toxicology division of the Nashville, Tennessee office. He has focused on salt (in particular potassium) toxicity issues since 2005. His wife, Robin, rekindled his love of orchids in 2001, and has since been passionately pursuing the study of species orchid breeding, culture. and conservation. He is an active and past office holder of the Orchid Society of Middle Tennessee and a major contributor on the SlipperTalk orchid forum. Slipper orchids are his favorite, but it took almost 10 years before he "got it right" to the point where he is achieving AOS awards with his favorite flowers. (email rlockwood@environc orp.com).

Rick's presentation will be based on the article he wrote for the March, 2013 edition of <u>Orchids</u> magazine entitled "What do Orchids Eat?" Rick says:



Paphiopedilum tonsum 'Robin's Jungle Ghost,' HCC/AOS, which was purchased as a single-growth plant in 2009, flowered in 2010 [1]. The progression of plant size, color, substance and flowering success once the new fertilizing regime was implemented in 2011 is evident [2].

"Most orchid culture focuses on the 3 physical components of environment.

- Temperature
- Light regime
- Air quality and humidity

My presentation combines what I have learned about orchid physiology and the eco- chemical environment of orchids to develop strategies for the 4th component of orchid culture.

• The chemical environment at the roots and in the pot.

This is generally lumped under the heading of Nutrition. But as this material is presented, I hope the understanding of the mineral components of orchid fertilizer will be viewed as something other than "feeding and nutrition"." Members may bring plants to sell at the May meeting if they wish.

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Monthly Ribbon Judging – David Mellard

Newsletter – <u>Mark Reinke</u>

Orchid Digest Rep- <u>David</u> <u>Mellard</u>

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American Orchid Society

Education, Conservation, Research

JOIN THE AMERICAN ORCHID SOCIETY

12 issues of Orchids, the Society's monthly full color magazine chock full of insight ful articles and tempting ads for plants and supplies.

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For a limited time, if you join for two years you will also get a \$30 git certificate (good on an order of \$100 or more) at any one of 13 commercial growers who advertise in *Orchids*. JOIN TODAY.

> Single Membership 1 year \$65,2 years \$125 Student Membership 1 year \$40,2 years \$75 JOIN OR RENEW ONLINE AT: www.aos.org



This outstandingly grown *Arpophullym giganteum*, exhibited by Larry and Linday Mayse at the April meeting in Class 9, received the J.C. Mobley Cultural Award in addition to a blue ribbon. See page nine for a detailed description of the species.



When you're serious about Orchids

JOIN THE ORCHID DIGEST CORPORATION

Don't let the name fool you, the Orchid Digest is a non-profit membership-based organization dedicated to orchids. Designed to appeal to the mid-range to advanced grower, nothing beats the *Orchid Digest*. For just \$39/year you get 4 issues of full-color, in-depth articles about orchids. The magazine is large format and the fourth issue of the year is always an extra-special edition devoted to a single genus. For membership application forms contact <u>David Mellard</u> (404-237-1694) or visit <u>www.orchiddigest.com</u> to join online.

Events Calendar

Мау

04 – Greengrower's Outing – Larry and Linda Mayse – RSVP requested - see article this page for details.

10- American Orchid Society monthly judging, Atlanta Judging Center, 2 pm, ABG basement workshop

12 - Atlanta Orchid Society Monthly Meeting, ABG, Day Hall – 8 p.m. Rick Lockwood, Brentwood, TN Orchid Nutrition

16-18 – Memphis Orchid Society Show, Memphis Botanic Garden, 750 Cherry Rd. Memphis, TN

June

09 - Atlanta Orchid Society Monthly Meeting, ABG, Mershon Hall – 7 p.m. – Note early start time and location! Annual Summer Society and tour

of Fugua Orchid Center and Behind the Scenes Growing Areas

14- American Orchid Society monthly judging, Atlanta Judging Center, 2 pm, ABG basement workshop

July

12- American Orchid Society monthly judging, Atlanta Judging Center, 2 pm, ABG basement workshop

14 - Atlanta Orchid Society Monthly Meeting, ABG, Day Hall – 8 p.m. Fred Clarke, Sunset Valley Orchids, Vista, CA

August

09- American Orchid Society monthly judging, Atlanta Judging Center, 2 pm, ABG basement workshop

Tresident's Message



Finally, spring has arrived in full force! Both outside and in the greenhouse things are growing quickly and it is taking some skill to keep up with the cultural requirements tied to the changing seasons. *Now* is the time many orchids make new growth and new roots and thus the optimal time to repot and take advantage of quick acclimation into new media. Don't let the opportunity slip away to perform these vital chores in your collection. With many orchids, once the media reaches a certain level of decay, decline of the plant growing in it can be swift. My own mulch pile tells a tale of shame for a few special plants that were allowed to slip past this point.

It is a time to shift to heavier watering and fertilization, especially for certain Dendrobiums, Catasinae and others that come quickly out of a dormancy into a period of rapid growth. Once this process is underway, the attention given to these orchids *now* will pay huge dividends with blooming season arrives, which is after all, why we fuss with them in the first place!

Our speaker this month is Rick Lockwood of the Orchid Society of Middle Tennessee based in the Nashville area. He will offer insight gained from his technical profession on orchid nutrition that may alter the way you treat your plants in the future. Don't miss this opportunity to get at the "meat and potatoes" issues that can make the difference between orchids that simply continue to survive and those that truly thrive!

This Sunday, May 4th, is the date set for a Green Growers outing to the greenhouses of Larry and Linda Mayse. Larry's methodical resolve and innovative approach to finding solutions to grow the species he loves in a challenging climate will make this gathering a valuable learning experience well worth the effort to attend.

Greengrowers Event, Sunday May 4th, 1-3 p.m.

Home of Larry and Linda Mayse 14745 Glencreek Way Alpharetta, GA 30004 (770) 442-8190

PLEASE RSVP to koollogs@gmail.com

Larry and Linda have two new fully automated greenhouses, one for warm growers and the other for cool growers. They have about 1000 species growing on Koo-Logs and another 1000 potted orchid on the benches. They grow a wide variety of genera and this event will be fascinating and educational for everyone!

- Take GA 400 North to Exit 11 Windward Parkway
- Turn Left and go 4.2 miles to a flashing red stop light (At this point you will have gone through a number of stoplights and Windwark Pkwy will have become Cogburn Rd.)
- Turn right on Francis Rd and to .5 miles to the second street on the right Glencreek Way.
- Turn right on Glencreek Way and go .2 miles to 14745 Glencreek Way
- We are the 4th house on the right and it is a two story brick with horseshoe driveway house number is on the mailbox. (Park on the horseshoe drive or on the gravel road just to the right of the driveway and walk around the house and past the cottage to the greenhouses in back.)

Minutes of the April 2014 Meeting of the Atlanta Orchid Society

Date and time: April 14, 2014, 8:00p.m. Location: Day Hall, Atlanta Botanical Gardens Attendance: 38 people

Mark Reinke, president, called the meeting to order.

Carson Barnes made the motion to accept the March minutes as published. It was seconded and passed.

Jason Mills gave a Treasuer's report showing a checking balance of \$23,722.77, a PayPal balance of \$498.04, Petty Cash of \$196 for a total of \$24,416.81. For the year we currently stand at \$8665 in income and \$8683 in expenses.

Mark reminded the membership that dues are delinquent at this time and to be sure and pay them if they intend to remain on the roster. Jason Mills brought an updated roster with all members paid to date to be checked for any corrections before it is distributed to the membership. Announcements:

Mark presented cards from Aileen Garrison and Gail Furniss thanking the members for the Atlanta Orchid Society Service Award they received at the Judge's Luncheon during our show. The cards were available for individual members to read during the break.

Announcements:

IPA Meeting – Saturday, April 19th at Peach State Orchids

Green Growers – Sunday, May 4th at Larry and Linda Mayse house 1-3 p.m. An email address for RSVP will be published in the May newsletter.

Memphis Orchid Show – May 16-18.

Barbara Barnett introduced herself to the membership as our AOS Representative and mentioned the very informative online seminars the AOS is now conducting, including one on de-mystifying Dendrobium.

She introduced Valerie Boyer and the new librarian for the society.

Mark introduced the speaker, David Kessler, who gave a fascinating and informative presentation on growing orchids under lights, including the types of light rays to which orchids best respond, the various types of lights available and the pro and cons, how to respond to watering, fertilizer and pest control in a dedicated indoor growing area, and the considerations for practical an specialized indoor grow room.

Break and very appealing refreshments were organized by Ellen Brand.

The judging for monthly ribbons was performed by David Mellard, Barbara Barnett and Danny Lentz.

The ribbon winners were announced by Mark Reinke & David Mellard.

Terry Glover held the raffle and the meeting was adjourned by president Mark Reinke.

Minutes compiled by Gary Collier and Mark Reinke



Join the Atlanta Orchid Society

Membership in the Atlanta Orchid Society is \$30 for individuals or \$45 for households. Yearly 1membership runs January December 31. Anyone joining in the third quarter will get a 50% discount on the current year's membership. Anyone joining in the fourth quarter will purchase a membership for the following year. You can join at one of our monthly meetings, contact the society's Treasurer (see page 2) for a membership application. or complete an application online at website: our www.atlantaorchidsocietv.org

For directions to the Atlanta Botanical Garden, please visit their web site at www.atlantabotanicalgarden.org



Cypripedium Little Henry (*parviflorium* x *henryanum*) in bloom at Marble Branch Farms next to the bog garden.

May, 2014

Atlanta Orchid Society Monthly Ribbon Winners April 2014

Comments by Mark Alan Reinke Photos by Cheryl Bruce & Mark Reinke

Class I – Cattleya Group

Blue – Cattleya Sparkling Rose 'MBF,' AM/AOS -Gary Coliier & Mark Reinke

This miniature hybrid was introduced by Gold Country Orchids of Lincoln, CA in 2001 and combines three small growing Brazilian species: С. walkeriana, C. sincorana and C. longipes. The former species might be the least familiar since it was known as Laelia lucasiana for many decades. While they are all considered once bloomers, their natural flowering seasons are spread out from spring to summer to fall, and this orchid will flower twice per year. It is a slow and methodical grower, and though we have had the plant for a decade it still fits in a four inch wooden basket. So far only one registered hybrid exists that takes advantage of its charming qualities, but we have several in the pipeline that we will be introducing in the next couple years. As mentioned, patience is required to see results from this line of breeding. Grow this orchid in bright light with perfect drainage. As these are all inland species, they prefer a cooler winter season with less water.

Red – Cattleya lueddemanniana 'Arthur Chadwick,' AM/AOS – Gary Coliier & Mark Reinke

White – Leptotes bicolor – Barbara Barnett

Class II – Cymbibum Group

Blue – Cymbidium devonianum -Gary Collier & Mark Reinke

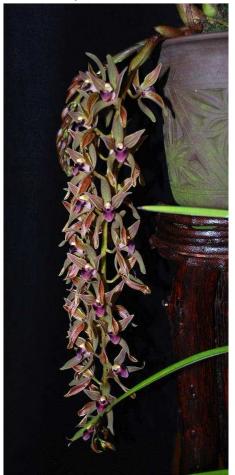
This distinctive cymbidium, named for the count of Devonshire comes from cloud forest environments in the foothills of the Himalayas in Nepal, Bhutan and northeastern India. It is a smaller growing species with wide,



C. sparkling Rose 'MBF,' AM/AOS - Gary Collier and Mark Reinke

lance shaped foliage that grows in more shade than the species used in typical standard hybrids. Each small pseudobulb can produce two pendent inflorescences with as many as 35 small, long lasting flowers, the color of which is somewhat variable. In general they display bronze to greenish colored segments that may be lightly marked in purple, and a white lip heavily overlaid in purple especially on the side lobes.

Cym. devonianum is a cool grower and needs shade and good air movement in our hot summer weather. It also requires copious watering from May through September in simulation of the very wet monsoon season, with less water the balance of the year, and at least a month long dry rest in late winter when it is given only occasional misting and one or two waterings. Care should be taken in choosing a container that can accommodate pendent sharply the inflorescences. The plant needs to sit high in relation to the edge



Cymbidium devonianum

of the vessel or the very slowly developing spikes may become trapped.

This orchid has been widely used to create very attractive pendent flowering hybrids and more than 200 generation crosses first are registered, including 40 in the last four years alone. The majority of these recent crosses were made in California by Hatfield Orchids and are worth seeking out. I noticed they had an online special of 10 pendulous hybrid seedlings, grower's choice, in 3.75 inch pots for just fifty dollars.

Red – Cymbidium devonianum – David Mellard & Sal Marino

White – Cymbidium erythraeum – Carson Barnes

Class III – Dendrobium Group

Blue – Dendrobium tangerinum – Carson Barnes

Dendrobium tangerinum, a member of the Spatulata Section of the genus, is a beautiful, warm to hot growing species from New Guinea, growing in bright tree tops or on exposed cliffs faces and rocks. It can produce several inflorescences, each bearing a dozen or more orangeyyellow "antelope" flowers, from each leafy cane that can be up to 24 inches tall. The blooms are very long lasting and plants can be in flower any season except autumn. About 400 hybrids include this orchid in their background, including over a dozen registered in the past decade.

Grow *Den. tangerinum* in bright, well drained conditions, preferably with temperatures above 65F at night and above 85F during the day. Provide adequately high humidity, good air circulation and regular water and feeding year round. Hold back on water and fertilizer slightly in cooler, shorter daylight weather in winter, but do not allow plants to remain dry for extended periods.

Red – Dendrobium trantuanii – Larry & Linda Mayse

White – Dendrobium canaliculatum – Geni Smith



Dendrobium tangertinum - Carson Barnes

White – Dendrobium Peng Seng – Gary Collier & Mark Reinke

Class IV – Epidendrum Group

Blue – Encyclia randii – Gary Collier & Mark Reinke

This orchid is one of the most magnificent Encyclia species, bearing many large, beautifully colored flowers in comparison to the plant size. It is a warm grower that inhabits areas of the Amazon Basin in Brazil and Peru where it grows in bright, light. dappled In our greenhouse, we must take care to position the plant high, in a bright, warm location for the winter months. where it tolerates, though probably does not enjoy, nights in the 50's from November to April. The pear shaped pseudobulbs and fairly narrow pairs of strap-like leaves are strongly flushed purple, which helps distinguish the plant from E. cordigera var. randii, a color variation of a Central American species that superficially resembles. Ε. randii. Most of the 21 official hybrids made using this species have been registered in the past decade as breeders see its



Encyclia randii - Gary Collier & Mark Reinke

value in producing crosses with large, long lasting and boldly colored flowers. Two that have been commercially available recently are worth seeking out: Enanthleya Jackie Bright (x Ctt. Gold Digger) and Catyclia Serena's Tinkerbell (x Cty. El. Hatillo). Hopefully more will be available in the near future. We find this species does best in a basket filled with a large, open and rapidly draining media, with regular water most of the year and slightly less in late winter during cool and damp periods. Again, the more warmth, the better, and it would make an excellent companion orchid to a traditional Vanda collection.

Red – Enanthleya Banana Split – Gary Collier & Mark Reinke

White – Enanthleya Charlie Brown 'Red Baron' - Gary Collier & Mark Reinke

Class V – Oncidium Group

Blue – *Tolumnia* Jairak Rainbow 'Plum Pretty' – Lynne Gollob

See remarks on Tulumnia and how to grow them in the April, 2014 newsletter.

Red – lonopsis utricularioides – Barbara Dampog

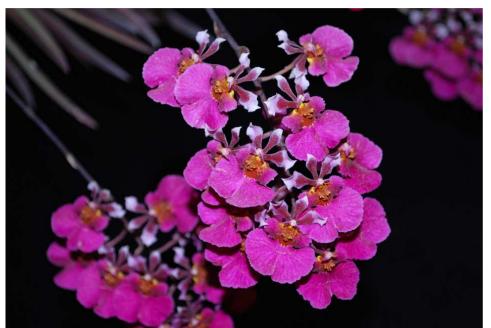
White – Mexicoa ghiesbreghtiana – Carson Barnes

White – Lockhartia acuta – Lynne Gollob

Class VI – Cypripedium Group

Blue – Paphiopedilum Haur Jih Lucky – Carson Barnes

This striking orchid is a primary hybrid between two species infrequently seen in cultivation, *Paph. adductum*, and *Paph. gigantifolium* and was registered by Haurjih Orchids of Taiwan in 2012. While the coloration of both species is similar, the former comes from Mindanao Island in the Philippines and has petals that hang straight down, and the latter comes from Sulawesi and



Tolumnia Jairak Rainbow - Lynne Gollob



Paphopedilum Haur Jih Lucky – Carson Barnes

has down swept petals that end in a tight curl. Thus, this example of their hybrid represents fairly а intermediate result. While information on these species is not readily available, both are said to come from quite shady and warm environments, with plentiful rainfall year round.

Red – Paphiopedilum rothschildianum - Helen Blythe-Hart

White - Paphiopedilum Papa Röhl -Geni Smith

Class VII - Phalaenopsis Group

Blue - Phalaenopsis Carolina Tiny Phil 'MVO,' HCC/AOS - Roy Harrow

Phal. Carlonia Tiny Phil is a primary hybrid between Phal. philippinensis and Phal. equestris registered back in 1992 by Lenette Greenhouses of Kannapolis, NC. It is a charming and fairly early example of "mini" breeding, which has become very popular in the last decade or so. While this appears to be the only example of an awarded plant from the cross, and there is only a single registered hybrid made from it, somehow this little gem has found fairly wide distribution among collectors and there are photos of it posted from as far away as Germany, Russia and Singapore. Of course, these could be re-makes of the cross rather than part of the original seedling population. At the very least, photographers are drawn to its simple beauty as evidenced by the sheer number of images posted. The floriferous nature and willingness to produce branched inflorescences should make it a good parent for improvements in this type of breeding, so perhaps the plants just aren't in the hands of today's creative hybridizers.

Red – *Phalaenopsis* Corning-Ambo x Penang Girl – Jarad Wilson

White - Phalaenopsis Red Spotted Elephant 'Big Leaf Orchid' - Jarad Wilson



Phalaenopsis Carolina Tiny Phil 'MVO,' HCC/AOS - Roy Harrow



Vanda barnesii 'Shapley,' AM/AOS – Carson Barnes

Class VIII - Vandaceous Group

Blue - Vanda barnesii 'Shapley,' AM/AOS - Carson Barnes

This species, named after our member and exhibitor, Carson Barnes, is not a plant that is in general commerce as of yet. This particular plant exhibits better form than the previously exhibited plant which received a Certificate of Horticultural Merit from the American Orchid Society in 2013. I defer once more to the abstract on this new species, which will hopefully make its way into more collections in the future.

ABSTRACT Plant habit like other section Roeblingiana species but leaves more leathery than V. javierae or V. roeblingiana. The lip of V. barnesii generally resembles these related species but the flowers are carried on shorter inflorescences and are without detectable fragrance. Lip mid-lobe apical appendages intermediate in width between V. roeblingiana and V. javierae, less fimbriated than the former, more fimbriated than the latter. Vanda javierae is mildly fragrant, has pure white flowers with pinkish area on claw of lip. The lip side lobes are white, and side lobes do not ascend above the column. Vanda barnesii is lacking in fragrance. The side lobes of the lip in V. barnesii are larger than V. javierae, and much larger than V. roeblingiana, darkly colored brownish red with contrasting vertical stripes. The side lobes of V. barnesii envelope the column unlike either V. roeblingiana or V. javierae. In V. barnesii the side-lobes of lip are highly colored (contrasting spots sharply forming brownish red vertical stripes). The side lobes of lip consistently project a few millimeters above the column. All flower segments show very faint spotting and lip midlobe is consistently more fimbriated than V. javierae with a shallow central notch. The hirsute lip callus has with two ridges, depressed at middle of ridge with two tiny horns in front of callus ridges. These differences are summarized in Table-According 1. to Anna-Ruth Purificacion Conde of Purificacion Orchids in Quezon City: Vanda barnesii occurs in the Mountain Province region, north central Luzon, Philippines while V. javierae is from Nueva Viscaya province, (Luzon).

Carson notes that this species does not like it too warm and blooms better with less light than typical Vandas. He said he took the advice



Pleione Tongoriro – David Mellard & Sal Marino

of Rick Lockwood (our May speaker) and eliminated potassium from its diet with favorable results.

Red – Cleisocentron gokusingii – Carson Barnes

Red – Trichoglottis pusilla – Carson Barnes

White – Vanda javierae – Carson Barnes

Class IX – Miscellaneous

Blue – Arpophyllum giganteum J. C. Mobley Cultural Award – Larry & Linda Mayse (photo page 2)

Arpophyllum is an unusual genus of Cattleya relatives with five species, all occurring in Mexico, and some extending into nearby areas as well. The genus name refers to the sickle or scimitar shape to the leaves. Arpo. giganteum, as its specific name implies, is the largest growing species. It is also the most common, having a wide distribution in both upper and lower cloud forests in Mexico's two main mountain ranges as well as the central plateau, and a range that extends through Central America to Colombia and even onto the island of Jamaica. A specimen plant in bloom is very impressive, with many ascendant spikes each bearing up to a hundred (my guess)

or more closely spaced rose purple flowers that are nonresupinate. They open sequentially from the bottom of the inflorescence, and there is normally only a few days to a week when all blooms are in perfect condition, after which the first to open being to fade. Although considered related to Cattleya, there are no known intergeneric hybrids, and Arpophyllum are sufficiently unique Mid-America that the Orchid Conference includes them in the miscellaneous category for judging, so this plant was properly entered. Give this orchid bright, somewhat diffused light, strong air movement and excellent drainage, with plentiful water during the growing season and somewhat less during the winter. Plants seem to save their energy and bloom profusely every few years rather than putting on a reliable annual show.

Blue – Pleione Tongariro – David Mellard & Sal Marino

Red – Porroglossum schramii -Larry & Linda Mayse

White – Restrepia tricholglossa – Jason Milles & Ed Shoulta

White – Cyrtidorchis (syn. Maxillaria) alata – Greg Smith

RECENT ACTIVITY OF THE ATLANTA JUDGING CENTER

The following awards were granted at recent sessions of the AOS judging center. They are provisional awards pending publication by AOS. Certificates of Horticultural Merit and Certificates of Botanical Recognition are also provisional pending identification by an AOS certified taxonomist prior to publication of the award.

All award photographs are © Jason Mills



Phragmipedium Don Winmber 'Patrica Kuuisto', AM/AOS, 81 pts. Exhibited by David Kessler



Paphiopedilum Avalon Love Stone 'Chasus,' HCC/AOS, 79 pts. Exhibited by Charles & Susan Wilson



Dendrobium polysema 'Chasus,' HCC/AOS, 78 pts. Exhibited by Charles & Susan Wilson



Phalaenopsis Sogo Davis 'Stones River,' AM/AOS, 83 pts. Exhibited by Stones River Orchids



Paphiopedilum fowliei f. christianae 'Terry Glover,' AM/AOS, 80 pts. Exhibited by Terry Glover



Paphiopedilum wenshanense var. semi-alba 'Chasus,' CHM/AOS, 80 pts. Exhibited by Charles & Susan Wilson



Cattleya Daphne 'Memoria Jennifer Aja-Thresher,' AM/AOS, 86 pts. Exhibited by Fred Missbach



Phalaenopsis Carolina Tiny Phil 'MVO,' HCC/AOS, 76 pts. Exhibited by Roy Harrow



Vanda barnesii 'Shapley,' AM/AOS, 83 pts. Exhibited by Carson Barnes



Bulbophyllum acuminatum 'Glencreek,' CBR/AOS Exhibited by Larry & Linda Mayse



Renanthera citrine 'Fat Man,' HCC/AOS, 76 pts. Exhibited by Carson Barnes



Poroglossom schramii 'Glencreek,' CCM/AOS, 84 pts Exhibited by Larry & Linda Mayse



Pleurothallis octavioi 'Glencreek,' CBR/AOS Exhibited by Larry & Linda Mayse



Pleurothallis cypelligera 'Glencreek,' CBR/AOS Exhibited by Larry & Linda Mayse



Ascochilopsis myosurus 'Glencreek,' CBR/AOS Exhibited by Larry & Linda Mayse