

January 2019

<http://www.centrallouisianaorchidsociety.org>

### From the President

Happy New Year and I hope everyone had a wonderful holiday season! The CLOS had a good year and I am looking forward to 2019. This is the year for our spring orchid show in April. Last fall, we organized our show committee and it will take all of us working together to pull off another fine show. We can use all the help we can get and please let Linda, our show chair, know if there were anything specific you would like to volunteer for.

Our program this month will be on "Growing Orchids from Seed for a *Cypripedium kentuckiense* Restoration Project" by Jim Barnett. For those of you that may not know, the CLOS has been involved in the restoration project for many years in the Kisatchie National Forest. *Cyp. kentuckiense* is the only ladyslipper native to Louisiana, and it's an amazing flower!

I encourage all members to be more involved this year, whether by volunteering your time, helping with the show, signing up for refreshments, creating or presenting a program, bringing your orchids for show and tell, and in many other ways to make our society thrive. Your contributions are most appreciated!

See you on Sunday, January 20! Eron



**Meeting Time & Place**  
**Sunday, January 20, 2019**  
**Plant Entry 2:00 pm**  
**Meeting time 2:30 pm**

**St. James Episcopal**  
**Youth Building**  
**1546 Albert Street,**  
**Alexandria, LA**

**Refreshments-Janice**  
**Upton**

#### **Central Louisiana Orchid Society Officers**

**President –Eron Borne**  
**Vice President – Wilton**  
**Guillory**  
**Secretary –Janice Upton**  
**Treasurer – Jim Barnett**  
**Director-Linda Roberts**  
**Director –Al Taylor**  
**Director- Andrea Mattison**  
**SWROGA Directors: Linda R**  
**AOS Representative –Wilton**  
**ODC Representative – Andrea**  
**Mattison**

**Newsletter Editor – Connie**  
**Guillory**  
**Show& Tell –Rick Allardyce**

## The 2019 Tri-Center Judging Workshop Hosted by the Dallas Judging Center

### [REGISTER ONLINE HERE!!!!!!](#)

DATE: February 9, 2019

<http://qntos.org/2019-tri-center-seminar/>

The Dallas Judging Center is hosting the Tri-Center Workshop where we will spend the day concentrating on the genus *Dendrobium*. The Workshop will highlight our three speakers:

#### **Fred Clarke – Sunset Valley Orchids -**

Fred Clarke has been growing orchids for since 1977 and has been hybridizing for 38 of those years. With over 36 years as a professional grower and manager in the horticultural industry, Fred applies these skills at his orchid nursery; Sunset Valley Orchids, located in San Diego, California.

He is a passionate orchid grower whose curiosity in orchids is broad and varied. Although developing *Cattleya* hybrids has been his sustaining interest, he is also actively creating new *Catasetinae*, *Paphiopedilum* and Australian *Dendrobium* hybrids.

His pioneering work in *Catasetum* intergeneric breeding has led to the development of many notable hybrids, most recently the grex, *Fredclarkeara* After Dark, which produced "the **blackest** flower ever witnessed". The hybrid genus *Fredclarkeara* has received an amazing number of awards with a total of 17 FCC's and 42 AM's worldwide.

Fred is an internationally acclaimed speaker and travels extensively within USA, Canada, Mexico, Australia, New Zealand and South America. He is an accredited American Orchid Society Judge in the Pacific South region. His plants have received hundreds of quality awards from the American Orchid Society.

Fred Clarke  
Sunset Valley Orchids  
1255 Navel Place  
Vista, CA 92081

(760) 639-6255

[fred.clarke@att.net](mailto:fred.clarke@att.net)  
[www.sunsetvalleyorchids.com](http://www.sunsetvalleyorchids.com)

#### **Peter T. Lin – Diamond Orchids -**

Peter started growing orchids over 35 years ago, but then stopped due to school and starting a career. It wasn't until about 14 years ago that the orchid "bug" came back and he is now heavily involved once again. He is an accredited judge with the American Orchid Society and a hybridizer of mini-catts. He enjoys meeting with other orchid enthusiasts, and can often be found at various orchid shows and societies around the country. He also has hundreds of photos of his orchids that he maintains on Flickr. You can view them by typing this address into the internet: <http://www.flickr.com/photos/minicatt/collections/> Due to limited growing space, Peter likes to specialize in miniature orchids, both species and hybrids, and has received numerous AOS awards. His other interests in orchids include *Dendrobiums*, *Angraecoids*, and *Neofinetias*. He maintains a collection of a thousand or more orchids at his home in Southern California in 3 small greenhouses, as well as in the house under fluorescent lights.

If attendees are interested, Peter will be taking preorders. These preorders will receive a 10% discount. Attendees can review the current list of plants on his website: [www.diamondorchids.com](http://www.diamondorchids.com). There will also be an assortment of plants for sale.

#### **Roy Tokunaga – H and R Orchids**

Roy Tokunaga earned a Bachelors in Education from the University of Hawaii in 1973, with a major in teaching high school biology. He never used that teaching certificate as he was immediately recruited by Ernest Iwanaga to set up an orchid lab, where he spent the next

seven years primarily honing his skills at cloning and germinating orchids. At about the same time, Harry Akagi was growing bromeliads, and in 1981, together Harry and Roy established an orchid lab in Waimanalo, giving birth to H&R Nurseries. Today, Roy is credited with many years of experience in hybridization with several thousand hybrids delivered. Most of his work has been in the *Dendrobium* and *Cattleya* alliances. He is a long time member of the Honolulu Orchid Society and an accredited American Orchid Society judge since 1990. Nora and Roy Tokunaga have two children, Lori and Kevin.

Roy Tokunaga may be reached at H&R Nurseries, 41-4202 Hihimanu Street, Waemanalo, Hawaii 96795; Fax: 808-259-5422; Phone: 808-259-9622

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#### COST / REGISTRATION:

The cost of the Workshop is ONLY \$40 per person which includes a light breakfast, lunch, and the lectures. The fun and networking is free!

[Submit your registration form online here](#) or download, print and send your registration form attached!

Please send your Registration back as soon as you can so we can get a final count for the light breakfast and lunch.

We look forward to seeing you on February 9th. Seminar starts at 8.30am and adjourns at 3.30pm. Agenda will be sent

#### LOCATION:

Garland Senior Center, 600 West Avenue A, Garland TX 75040 (972) 205-2769. Ample parking provided at the Center free of charge. Map from Hotel to the Garland Senior Center is attached.

#### CONTACT INFO:

Tim Carr, Treasurer (214) 755-3626 [txcarr@verizon.net](mailto:txcarr@verizon.net)

Manny Aybar, Chair (214) 934-9104 [mannyaybar@gmail.com](mailto:mannyaybar@gmail.com)



# Let's Grow Together!

[www.aos.org](http://www.aos.org)



**THE JANUARY 2019 AOS CORNER** – From the desk of Denise Lucero, Vice Chair, American Orchid Society Affiliated Societies Committee ([Affiliated\\_Societies@AOS.org](mailto:Affiliated_Societies@AOS.org)).

**For newsletter editors:** *Orchid societies are welcome to reproduce the AOS Corner, in whole or in part, in their society newsletters. We encourage promotion of AOS website use by your members.*

## **AFFILIATED SOCIETIES**

*Best wishes for a Healthy and Happy 2019!* It's a new year and a time that many of us reflect and set new goals for ourselves and our Societies. One goal that the Affiliated Societies Committee continues to have is to update and refresh existing resources, along with finding and sharing new information to help all Affiliated Societies thrive. To fulfill this goal our best resource is you, the Affiliated Societies Representatives. We want to express our appreciation and say thank you for all that you do in support of your local Society and the AOS. We couldn't do it without you.

We also want to ask for your help. Our societies all have members with volumes of experience and knowledge that they freely and generously share with us, and we offer our support in return. These growers have hobbyist collections that are beautiful and well loved, and many have "Legacy Collections" that are important to the orchid world. Oftentimes, one person is the sole individual caring for these amazing plants and without the societies help they are neglected. We want to create a collection of ideas on how to support these members when they are unable to care for their collections. Whether it's an injury, a hospital stay or longer term care, we want to hear ideas we can all use to offer support. We're also looking for gardens or facilities you are aware of that have conservation programs that take donations of legacy plants. Together we can create a resource guide filled with useful ideas and methods to help each other. Please send us an e-mail to [Affiliated\\_Societies@aos.org](mailto:Affiliated_Societies@aos.org).

We reminded you last month but if you haven't had a chance... Many societies change officers at year end. Make sure that your society and contact information is up to date. If you don't know it, you can find the society member # on the mail label of ORCHIDS magazine along with the membership expiration date. The online form can be found here and info updated at any time <http://www.aos.org/about-us/affiliated-societies/affiliated-society-update-form.aspx>.

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If you're looking for a job description for AOS reps from an AOS perspective you'll find that in the Affiliated Society FAQs <http://www.aos.org/about-us/affiliated-societies/affiliated-society-faq.aspx> on the Affiliated Societies Page of the AOS website <http://www.aos.org/>. The AOS requires an AOS rep to keep a current individual membership along with this description.

If you are looking for a job description to use in your local society operating guide, take a look at Starting a Society and the link to the sample job descriptions <http://www.aos.org/AOS/media/Content-Images/PDFs/jobdescriptionguidelines.pdf>. AOS rep is on page four.

When the January issue of ORCHIDS arrives, make sure to check out AOS President Susan Wedegaertner's message. The biggest news is that the AOS now has more than 10,000 members. She'll also tell you about more news you might not have heard about from the Fall AOS meeting and has the scoop in the Spring Meeting.

We're always looking for ideas to bring kids into the world of orchids. While planning your next orchid show don't forget to check out the AOS Kids Corner for ideas. Here's the link to the main page: <http://www.aos.org/orchids/kids-corner.aspx>. See other articles for instructions on how to create activities we've tested out or make up your own great activities. Please share your ideas and experiences with the Education Committee at [sstubbings@comcast.net](mailto:sstubbings@comcast.net).

Thanks again for all the pics that you are sending in for the Instagram feed. Our Instagram Administrator, Candace Hollinger, sends her appreciation to you all. It's wonderful to see such a variety of everything orchid that's enjoyed around the globe. Please remind your members that we would love pics of how they grow, what's blooming now or anything they love about orchids. Please continue to send your photos and short videos to: [americanorchidsociety@gmail.com](mailto:americanorchidsociety@gmail.com). Be sure to send a short caption explaining your photo. Also, if you are bilingual and can include your caption in English plus your other language(s)—it will help with our universal outreach.

Remember to check-in on our Facebook Group Page for Affiliated Societies of the American Orchid Society. The response has been great, many thanks to all of you who added pics of show banners. We can all learn from what has been successful for other societies. Let us know how your show went, and what was successful for you or what didn't quite make the mark. Our administrator, Chad Brinkerhuff, monitors the feed and is a great resource for all that the AOS has to offer. Keep us up to date on what's going on at your local society and let us know how we can help you.

Don't forget to check out the **NEW** List of Speakers to help you plan society meeting programs. You will now find the Affiliated Societies link on the home page under the "About Us" heading.

And... **Here's a link to check it all out** - <http://www.aos.org/>

**CULTURAL**

**Transporting Blooming Orchids**

**Safe Methods for Moving Flowering Orchids to Keep Them in Prime Shape**  
**By Susan Jones -Originally published in ORCHIDS Magazine December 2013**

During this time of the year, unpredictable and often inhospitable winter weather makes transporting flowering orchids a tricky matter. A shock of cold, dry air can quickly damage and even blast an orchid bud or bloom, a particularly heartbreaking event if one is on the way to have the flower judged. When carrying your flowering plant to a show, home from a nursery, to Judging or even to give as a holiday gift, taking a little bit of precaution against potential cold damage can prevent a lot of disappointment later on.

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An orchid's flowers and buds, as the most vulnerable parts of the plant, are easily damaged by environmental stress. Some of the more cold-sensitive varieties may even drop leaves if the exposure and shock is of sufficient severity. Phalaenopsis and vandaceous orchids (the former neofinetias are a bit hardier than most, but their blooms are still sensitive) are among the least tolerant of chills. Other orchids that are most often affected include those with flowers of more delicate substance. The thicker, heavier and waxier an orchid's floral tissues are, the more resistant to cold damage they will be.

**TIPS FROM A PRO** Long-time orchid grower, Connecticut Orchid Society member and one of the technical editors of Orchids magazine, Ann Jesup provided the following savvy ideas for ways to minimize disaster enroute to an orchid society meeting, show or Judging at a presentation to the Society.

Start with a good quantity of packing materials, she advises. Have on hand a variety of boxes of different sizes, including some insulated styrofoam boxes to shelter your plants from inclement weather. Padding is also important. She suggests waxed floss paper (also known as "spaghetti"), shredded paper, polyester batting and styrofoam peanuts as useful materials. For protection against brief exposure to the elements, the plastic bags in which newspapers are delivered make an ideal sleeve to slip over a smaller plant. Dry-cleaning bags supported by wire hoops can help protect larger plants or those with tall inflorescences from freezing or drying out in winter weather. Plastic storage containers of various sizes and shapes are useful. They are not effective at insulating plants, but do provide excellent shorter term protection against potentially damaging chills. When used in conjunction with the packing materials mentioned above, they can be an excellent light weight winter carrying case for bringing blooming orchids safely to and from their destination.

**INSULATING PLANTS** Newspaper is an effective, easily available and inexpensive insulation material. If plants must remain in an unheated area for any length of time during inclement weather, a cardboard box lined with newspaper will help retain heat around the plant. Foam packing peanuts may be added to stabilize and protect the plant in the box, but provide little in the way of insulation or heat retention.

For extreme situations in which prolonged exposure is anticipated, a heat pack can be placed under protective insulation in the bottom of the box. Disposable chemical heat packs are available in different lengths of effectiveness — the most commonly available last six to eight hours, but other durations are available. They can be ordered online (enter "disposable heat packs" into a search engine to find a vendor). Some orchid vendors who use them for shipping may also be persuaded to sell some of their stock.

Another consideration is staking your plant's inflorescences. This cannot only improve the overall appearance of the blooms, but will also help keep the spike and flowers stationary and less susceptible to injury during transportation. The proper time to stake an inflorescence is when the flowers are beginning to develop. This helps ensure that the buds are oriented properly once they open. For the sake of aesthetics, Jesup suggests attempting to keep the stake unobtrusive. Placing the thinnest stake possible as close to the foliage as is practical helps to avoid distracting attention from the blooms themselves.

Finally, when the temperature is low, warm up your vehicle in advance of transporting blooming orchids to minimize the length of time your plants will have to endure the chill temperatures. Plan your trips so the plants will spend the shortest possible time in transit, and never leave orchids sitting in a hot or cold car.

—Susan Jones was editor of the Awards Quarterly.

**UPCOMING WEBINARS**

It's easy to find the scheduled webinars and to register on the AOS website. You'll find the link under the All About Orchids tab. If you check there, you will find any webinars that have been scheduled after the production of the monthly

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AOS Corner.

**Cattleya Species Culture with Bill Rogerson**

**Thursday, January 10th, 2018 @ 8:30 PM – 9:30 PM EST**      *Open to all*

Please join Bill Rogerson, Accredited AOS Judge and renowned Cattleya species expert as he discusses the foundation plants for cattleya breeding and how to grow them successfully.

**Register now using this link:** <https://register.gotowebinar.com/register/6267544326951329539>



Cattleya loddigesii 'Loretta' AM/AOS; Photographer: Julie Rotramel

**American Orchid Society: Greenhouse Chat with Dr. Ron McHatton**

**Tuesday, January 29th, 2018 @ 8:30 PM – 9:30 PM EST**      *Open to all*

Please join Dr. Ron McHatton, AOS Chief Science Officer, as he answers your questions about all things orchid. He will discuss a variety of topics on orchid culture based on questions submitted by attendees. Please send your questions and pictures to Sandra Svoboda at [greenhousechat@aos.org](mailto:greenhousechat@aos.org) by Tuesday, January 22nd. Remember to include pictures.

**Register now using this link:** <https://register.gotowebinar.com/register/8715770793699735042>

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**Note:** After registering, you will receive a confirmation e-mail containing information about joining the seminar.

**WHAT ARE WEBINARS?** Webinars are an Internet conference where you can hear the speaker and view his presentation, ask questions, and hear interactions from other members of the audience. You can join either on your computer or by phone. You can join from anywhere, via your Mac, PC or even your mobile device. Audio is included, so attendees can phone in or use VoIP (Voice over Internet Protocol). You will need a microphone for your computer to use VoIP.

**WANT TO LEARN, BUT CAN'T MAKE THE DATE?** The live webinars will be recorded and posted on the AOS website, where you will find a link allowing you to view the webinars at your convenience.

**THE JANUARY ISSUE OF ORCHIDS MAGAZINE** will feature great articles and beautiful pictures on:

- The New Refugium Botanicum - *TBD*
  - For the Novice - Try New Things by Sue Bottom
  - Orchids Illustrated - *Epipactis* by Peggy Alrich and Wesley Higgins
  - The Japan Grand Prix International Orchid Festival, Part 1: The Early Years by Clare and Johan Hermans with Munekazu Ejiri
  - In Search of *Maxillariacrispiloba* by Pascal Sauvêtre
  - Ecuador and My Orchid Obsession by Larry Sexton
  - *Cypripedium guttatum* and Johann Ammans by Rudolf Jenny
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Cypripedium guttatum 'Spot' CHM/AOS; Photographer: Doug Savage

**YOUR SOCIETY CAN EARN FREE AOS MEMBERSHIP EXTENSIONS:**

Upcoming shows are a good time to encourage **new** membership to AOS. Affiliated societies can now earn a one-month extension of their AOS society membership for each **new** AOS member that they refer (note: membership renewals don't count). Make sure to note your Society Affiliation in the comments section of the application.

*With twelve new AOS members, your affiliated society can have a FULL YEAR OF FREE AOS membership!* Be sure to have membership applications with your society's name already filled in and available at your club meetings!

Remember to let your members know, we want to sweeten the deal and give them every possible reason to join AOS today! If they become an American Orchid Society member, they have considerably more resources at their disposal making growing orchids even more enjoyable and successful.

Digital Access to Over 350+  
past issues of Orchids magazine extending back to 1932!

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**ALSO FEATURED IN ORCHIDS MAGAZINE!**

16-page award gallery of breath taking pictures of recently awarded orchids.



Dendrobium Enobi Purple 'Splashy' AM/AOS; Photographer: Michael Blietz

**RECENT ORCHID AWARDS PICTURES ON THE AOS WEBSITE:**

See fabulous pictures of the most breathtakingly beautiful orchids receiving awards from the AOS! Visit the new “Latest Orchid Awards” page on the AOS website to enjoy these stunning photographs! Click on the thumbnails to see them in larger format. Free to members and non-members.

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Phalaenopsis Samera 'Steve Mattana's Fascination' AM/AOS; Photographer: Kay Clark

**Let's grow together,  
Denise Lucero**

## Upcoming Orchid Shows and Events

Date/Time	Event
03/08/2019 - 03/09/2019	<a href="#">GNTOS Orchid Show and Sale</a> <i>Richardson Texas Civic Center, Richardson Texas</i>
03/22/2019 - 03/24/2019	<a href="#">Alamo Orchid Society's March Madness Orchid Show and Sale</a> <i>San Antonio Garden Center, San Antonio Texas</i>
04/06/2019 - 04/07/2019	<a href="#">Houston Orchid Society Show and Sale</a> <i>Memorial City Mall, Houston Texas, Harris County</i>
04/12/2019 - 04/13/2019	<a href="#">C.L.O.S. Spring Show</a> <i>Kees Park Community Center, Pineville LA</i>
04/20/2019 - 04/21/2019	<a href="#">Tulsa Orchid Society Annual Show and Sale</a> <i>The Tulsa Garden Center, Tulsa OK</i>
05/04/2019 - 05/05/2019	<a href="#">Oklahoma Orchid Society Show and Sale</a> <i>Will Rogers Garden Exhibition Center, Oklahoma City OK</i>
05/31/2019 - 06/02/2019	<a href="#">New Orleans Orchid Society's Show and Sale</a> <i>Lakeside Mall, Metairie LA</i>
07/12/2019 - 07/14/2019	<a href="#">Baton Rouge Orchid Society's Show and Sale</a> <i>Burden Museum and Gardens, Baton Rouge LA</i>
09/13/2019 - 09/15/2019	<a href="#">Galveston Bay Orchids Society SWROGA Show</a> <i>HILTON HOUSTON NASA CLEAR LAKE, Houston Texas</i>





Angmc. leonis 'Elizabeth Julia' AM/AOS 82 points Eron Borne's plant Shreveport Judging



Vanda Golamco's Blue Magic 'Louisiana' HCC/AOS 79 points-Al Taylor's plant Shreveport Judging

Taken from <http://www.aos.org/orchids/collectors-items/rlc-george-king.aspx>

# Rhyncholaeliocattleya<sup>1</sup>George King 'Serendipity' AM/AOS



Some orchids become classics that are always available and always in demand. Guaritonia<sup>2</sup> Why Not, Phalaenopsis Baldan's Kaleidoscope and Paphiopedilum Maudiae come to mind as examples. It may be ease of growth, awesome beauty of the flowers, or just the serendipity of marketing that has catapulted such orchids to fame and popularity making them part of orchid collections far and wide. In conversation at shows and meetings, these orchids are often referred to by just the grex name, like old friends. One of my personal favorite "classics" is Rhyncholaeliocattleya George King 'Serendipity' AM/AOS. It is a cross between Rhyncholaeliocattleya Buttercup x Cattleya Bob Betts, and was registered by G.A. King in 1970. This hybrid embodies all of the fine qualities one would expect in a standard Cattleya hybrid. Two or three large, flat flowers are produced and well-held on a strong inflorescence. The flowers are usually spaced nicely and rarely crowded. They open a soft pink and over the first few days, progress toward a salmon-peach color that is hard to actually describe, but is instantly recognizable on a nursery bench or show table. As they age they tend toward apricot-peach with more of an orange overtone. For me, this transformation greatly adds to my enjoyment of this orchid because I get to enjoy its many nuances. One of Rlc.<sup>3</sup> George King's extra bonuses is the delicious fragrance that can perfume a whole room. Although the Rhyncholaelia digbyana parent is four generations

back, the sweet citrus fragrance is unmistakeable. And if these qualities were not enough to put this grex in the orchid hall of fame, it blooms several times a year for your enjoyment.



Flowers open decidedly pink

Let's take a brief look at the breeding line of this remarkable orchid. The pollen parent, C. Bob Betts, is a fifth generation hybrid involving only three species: C. mossiae, C. gaskelliana and C. trianae. Although C. Bob Betts has produced a number of notable hybrids, it appears that most of the efforts were aimed toward white progeny. Any colored offspring produced appears to be a result of the totally unexpected, or the whimsy of hobby breeders who used C. Bob Betts because of its form, size and substance. So the beautiful color of this hybrid must come from the Rlc. Buttercup parent, which is Rlc. Primate x Rlc. Golden Myth. The two most recent award descriptions for Rlc. Buttercup both suggest pink overtones or reddish suffusion of floral parts. This would certainly be expected when we look at its geneology of a dozen or so species, which includes highly colored ones such as *Sophranitis cinnabarina*<sup>4</sup> and *S. harpophylla*<sup>5</sup> as well as C. bicolor and of course, C. dowiana (25%). What is interesting about Rlc. George King is that I have never seen it produce crippled flowers, that is, deformed flowers with extra tissue on the petals. This might well be due to the reputation of Rlc. Primate as being an antidote to crippled offspring. This subject will be covered in detail in an upcoming Orchids magazine article by Ron Midgett, PhD.

Another reason for adding Rlc. George King 'Serendipity' AM/AOS to any "must have" orchid list would be its easy growing nature. It is adaptable to a wide range of cultural conditions and seems to produce flowers in most. Bright filtered light produces the stongest plants but this hybrid can be grown shadier and may be suitable for windowsill culture...if you have a big windowsill. If you grow any cattleyas, you can grow this one. Ideal conditions would be those outlined in our [culture sheet](#) for Cattleya. In our climate (Florida) we like to grow cattleyas in somewhat coarse media because we have an open shadehouse and constant summer rains will rot roots as the media deteriorates. Recently I have experimented with large chunks of hardwood charcoal in clay pots and it seems to work well for standard Cattleya species and hybrids. It comes close to growing them mounted, but has the advantage a pot offers for display of blooming plants.

1) formerly Brassolaeliocattleya

- 2) formerly Cattleytonia
- 3) formerly Blc.
- 4) formerly Laelia harpophylla Rchb.f.
- 5) formerly Laelia cinnabarina Bateman ex Lindl.



There is also a yellow clone of this hybrid, Brassolaeliocattleya George

King 'Southern Cross', AM/AOS

*Greg Allikas - November 2009*



## Native Orchid of the Month—January

### ***Listera australis***

(southern twayblade)

The earliest blooming of our native orchids is a rarely seen species, *Listera australis*, the southern twayblade. It is so small as to be easily overlooked in the moist woodlands home. It is found in both moist pineland bogs and moist forests across much of Louisiana. Twayblades emerge from to July in Louisiana, but later as you travel northward through which extends all the way into the southern parts of Canada. they occur in association with rhizomes of the cinnamon fern

*cinnamomea*),

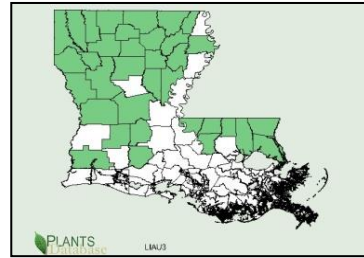
The plant is usually no more inches tall, occasionally up to six inches, with a pair of leaves (hence the common name) that are seldom more than a half-inch long. If you are fortunate to find a plant, don't look away, lest you spend another five to ten minutes relocating it. Seedlings consist of only the stem and the pair of leaves, while mature plants will have a flower stem arising from between their leaves.

Usually about 10 flowers occur

The flowers are a wonder of miniaturization, with petals and about 1 mm long in which many parts are composed of literally hundred cells. The forked lip is conspicuous part of the flower, lengths of about a half-inch.

Louisiana's smallest orchids. rather quickly, set seed and

within the period of a month to a month-and-a-half some time to July.



that it calls hardwood early January their range Frequently (*Osmunda*

than three on the stem.

sepals only of the floral just a few by far the most reaching

This is one of They come up senesce all from January

