



NOVEMBER EVENT

Monthly Meeting: 8 p.m. Monday, November 14, 2022
 Day Hall at the ABG: Kelly McCracken on Artificial Lighting

Bring your blooming plants for our monthly ribbon judging

Kelly McCracken on Artificial Lighting

Kelly McCracken, owner of High Desert Orchids (highdesertorchids.com), started as an avid hobbyist, and like many of you, couldn't stop buying plants. Quickly one greenhouse became two, and now she grows plants in a unique 3,000 sq ft high-bay industrial warehouse space all under artificial lights. Kelly specializes in miniature plants, with a particular affection for miniature Cattleyas, Angraecoids, Jewel Orchids, and Dendrobiums.

Kelly will talk about artificial lighting. Many growers have discovered the opportunities that the recent drop in price and increase in availability of LED lights have provided. But there is relatively little information about how much artificial light orchids need and what kinds of



lights are best. This talk will go over the unique High Desert Orchids grow space, which is entirely under LED lights, how we set it up, the lights we use, and some tips we have discovered while growing a commercial sized grow space all under artificial light. The talk will answer questions such as how much light, what kind of light, and what spectrum of light.

Kelly will bring plants to sell, and take preorders (preorders due by Saturday 12 November).

Welcome to our New Members

We would like to welcome our new members who joined at last month's show. We have several returning members as well as experienced growers. There are also numerous novice growers who will appreciate our attention in sharing our orchid knowledge with them. As a group, there is a lot of information to share and orchids to learn about. We are all here to help and to learn.

- Our new members are:
- Marie Bartlett-Sloan, Woodstock
 - Stephanie Byrne, Decatur
 - Pinkan Rijanto, Roswell
 - Beth Fornuto, Woodstock
 - Megan James, Dacula
 - Laura Bona, Atlanta
 - Courtney Hoffman, Atlanta
 - Georgia Burkard, Atlanta
 - Michelle & Alexander Merryman, Atlanta
 - Patty Highins, Lilburn
 - Kimberly Munroe, Sandy Springs
 - Joe Sayers, Decatur
 - Jill Fennell, Atlanta
 - Joe Roper, Lawrenceville
 - Dan Alvear, Atlanta
 - Emilian Curca & Roxana Vidici, Woodstock

B. Barnett

Mark Your Calendars: AtIOS Holiday Party and Potluck, Monday 12 December

Our December meeting will be a Holiday Potluck Party with a Gift Exchange. The party will take place at the Oglethorpe Presbyterian Church in Brookhaven (not at our usual location at the ABG, but the location of last year's holiday party and this year's auction). We will have ribbon judging, so plan to bring your blooming plants

There will be more details about the party in next month's newsletter. In the mean time, be on the lookout for a small orchid related gift or orchid under \$25 for the gift exchange!

Slate of Nominees for AtIOS Board

The nominating committee (Jon Crate, chair, Véronique Perrot, Jan Spenard, Janet Sherwood and Cynthia Van Der Wiele) proposes the following slate of candidates to be voted on at the upcoming meeting:

President	Carson Barnes	Secretary	Janet Sherwood
VP	Firelli Alonso	Trustee	Cynthia Van Der Wiele
Treasurer	Jason Mills-Shoulta	Trustee	Véronique Perrot

ATLANTA ORCHID SOCIETY**Officers****President****[Danny Lentz](#)****Vice-President/Programs****[Helen \(HB\) Blythe-Hart](#)****Secretary****[Jody Gomez](#)****Treasurer****[Jason Mills-Shoulta](#)**5845 Crooked Creek Road
Peachtree Corners GA 30092**Immediate Past President****[David Mellard](#)** 404-310-9899**Trustees****[Véronique Perrot](#)****[Doug Hartong](#)****[Maegan Brass](#)****[Barbara Barnett](#)****[Firelli Alonso](#)****[Maria Beug-Deeb](#)****Volunteers****AOS Rep – [Barbara Barnett](#)****Greengrowers – [Danny Lentz](#)****Librarian –****MAOC Rep – [Doug Hartong](#)****Meeting Hospitality – [David Mellard](#)****Membership – [Barbara Barnett](#) &****[Maegan Brass](#)****Education and Outreach – [Lynne Gollob](#)****Silent Auction – [Carson Barnes](#)****Monthly Ribbon Judging – [David Mellard](#)****Newsletter – [Véronique Perrot](#) &****[Mark Reinke](#)****Orchid Digest Rep – [David Mellard](#)****Show Chair (2022) – [Danny Lentz](#)****Website/Social Media – [Danny Lentz](#) &****[Firelli Alonso](#)****The Atlanta Orchid Society Bulletin**

Volume 63: Number 11 – November 2022

Newsletter Editors: **[Véronique Perrot](#)** & **[Mark Reinke](#)**

The [Atlanta Orchid Society](#) is affiliated with the [American Orchid Society](#), the [Orchid Digest Corporation](#), the [Mid-America Orchid Congress](#), and the [Garden Club of Georgia](#).



“Fall for Orchids” A Success!

The Atlanta Orchid Society held its yearly show last month. The Society display was put together by a team of volunteers guided by Carson Barnes, Barbara Barnett, and Bailey Santwire.

After the ribbon judging, our display was festooned with ribbons, rosettes and trophies. It was also graced by the Best Flower in Show, awarded to *Phalaenopsis Miva Smartissimo* ‘Firelli,’ AM/AOS, entered by Fi Alonso and Jon Crate. Congratulations!

One of the main goals of our show was to reach out to new potential orchid growers, and we gained 18 new members at the show (see list on front page)! We also managed to make a modest amount of money (~\$800).



Phal. Miva Smartissimo ‘Firelli’ AM/AOS

EVENTS CALENDAR**November**

12 – AOS monthly judging

14 – Atlanta Orchid Society Monthly Meeting: Kelly McCracken on Artificial Lighting

December

10 – AOS monthly judging

12 – Atlanta Orchid Society Monthly Meeting: Holiday Party and Potluck

AOS Awards



Cattleya Hawaiian Tiding 'Mendenhall' AM/AOS

Atlanta Judging Center, August

The Atlanta Judging Center met on August 13, 2022. Nine plants were considered for awards and one received an AOS Award. Plant owned by Fred Missbach, photography by Charles Wilson.

2022-2082 *Cattleya Hawaiian Tiding 'Mendenhall'*, AM/AOS 83 points. *Cattleya Old Whitey* x *Cattleya Hawaiian Wedding Song*



Habenaria Sunrise Plumes 'REO'
AM/AOS



Pectabenaria Thai Dancer 'Midnight Bliss'
AM/AOS



Habenaria chlorina 'Fluoroglow'

Atlanta Judging Center, September

The Atlanta Judging Center met on Saturday, September 10, 2022. Eleven plants were considered for awards; 4 plants received AOS awards. The awarded plants were grown by the exhibitor, Nicholas Rust, with one award remaining provisional. Photography by Charles Wilson.

2022-2083 *Habenaria chlorina 'Fluoroglow'*, CBR. Provisional Award

2022-2084 *Habenaria Sunrise Plumes 'REO'*, AM/AOS 86 pts. *Habenaria roebbelenii* x *Habenaria medusa*

2022-2085 *Pectabenaria Thai Dancer 'Midnight Bliss'*, AM/AOS 80 points.

Pecteilis susannae x *Habenaria carnea*

2022-2086 *Habenaria Raingreen's Pink Paw 'Oxide'*, AM/AOS 83 points.

Habenaria Tracey x *Habenaria carnea*

Alabama Orchid Show

The Alabama Orchid Show was held the weekend of September 17th and 18th in Birmingham Alabama at the Botanical



Gardens. There were 130 plant entries and 1 art entry in a total of 8 exhibits. The Atlanta Orchid Society won the AOS Show Trophy with a score of 82 points (see pictures in last month's newsletter). Eleven plants were considered for AOS awards and 1 plant received both an FCC and CCE. Carson Barnes received these awards for his plant of *Plectrelminthus caudatus 'Missy's Splendid Stunner'*, CCE/AOS 92 points; FCC/AOS 90 points. Award photography by Erin Croxton.

Continued on p. 4

Note to Growers, November 2022

I hope we all have our plants indoors. Most of us have had one freeze. It's hard to know when it is going to get cold again, but it is the season.

In cold weather, orchids do not need as much water as they do during the active growing season. If we don't water as frequently, we also need to fertilize less, or even not at all. This is referred to as a Winter Rest.

Don't forget there are some plants that need a very DRY winter. Most of us know that *Catasetums* and allied are one of them. For *Catasetum* care, go to www.sunsetvalleyorchids.com/htm/culture_catasetinae.html.

Dendrobium is another genus that contains species whose water needs depend on where they come from. It is the second largest genus and it is divided into many sections. Here are a few sections that may help you figure out if your plant needs a winter rest.

Section *Callista* includes *Den. farmeri*, *thyrsoflora*, *lindleyi*, and *densiflorum*. This section needs a dry resting period, winter through early spring. No fertilizer, and some humidity so the pseudobulbs don't shrivel.

Section *Formosae* (aka *Nigrohirsute* for the black hairs that cover the canes) includes *Den. cruentum*, *formosum*, *deari*, *sanderiae*, and *tobenense*. These need a winter rest through early spring and no winter feeding.

Section *Dendrobium* is a large section that includes *Den. anosmum*, *findlayanum*, *loddegessii*, *nobile*, *parshii*, and *aphyllum*. Members of this section also need winter rest with ample humidity and no fertilizer.

Section *Phalaenanthe* is a small group of orchids from Australia and islands near its northern coast. Species includes *Den. bigibbum*, *lithicola*, *phalaenopsis*, *stri-aenopsis*, and *affine*. Reduce water after flowering and until next season growth appears. Remember: no fertilizer when on water restriction.

Section *Spatulate*: in this section the species are characterized by their spirally twisted floral segments and asymmetrical flowers, aka 'antelope orchids'. Species include *Den. descolor*, *taurinum*,

AOS Awards

Continued from p. 2

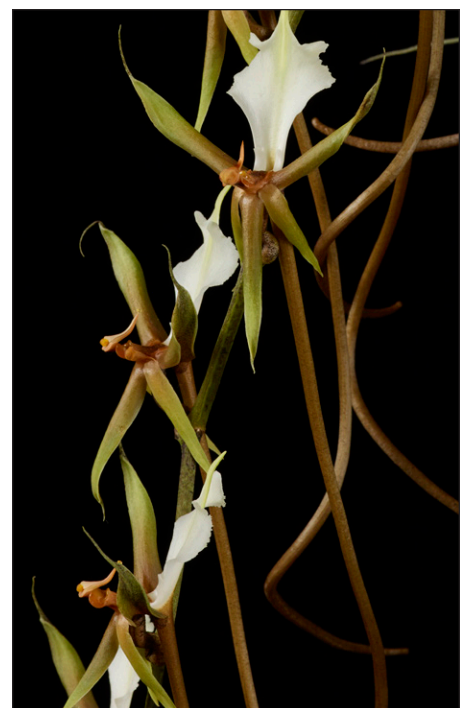


Habeneria Raingreen's Pink Paw 'Oxide'
AM/AOS

.....

lasianthera, *antennatum* and *stratiotes*. Reduce water during winter months as they are prone to rotting if kept too wet.

In conclusion of this note, I hope you know the meaning of Winter Rest. Each section has a different environmental factor causing its need for this rest. In the north it is the cold, in other sections the monsoon to seasonal droughts. As for hybrids, now that you know some of the species that require winter rest. You can find the parents of your plants and care for their needs and to follow these conditions if we want flowers in the coming year and a healthy plant. I hope this helps you identify the needs for your *Dendrobium*.



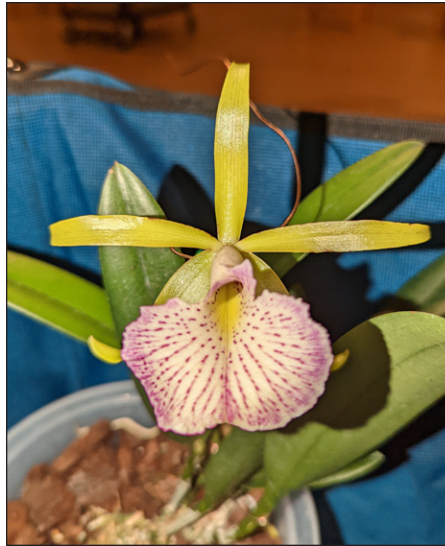
Plectrelminthus caudatus 'Missy's Splendid Stunner'
CCE/AOS FCC/AOS

Atlanta Orchid Society Monthly Meeting Ribbon Winners for October, 2022

Notes by Mark Reinke; photos by Danny Lentz



Cattleya walkeriana 'Pendentive' AM/AOS



Brassocattleya Mary Dodson



Cattleya lueddemanniana

Cattleya Alliance

Blue – *Cattleya walkeriana* 'Pendentive' AM/AOS – Danny Lentz & Dianne Morgan

In regard to the natural habitat of this species, I will defer to Baker's description as it is unlikely I could do a better job. Afterwards I will comment further. "ORIGIN/HABITAT: Brazil. *C. walkeriana* is found over a large region of the interior south of the Amazon Basin, including the States of Minas Gerais, Goiás, and Mato Grosso. Brasilia is just west of the center of this area of distribution, Belo Horizonte is near the southeast edge, and Goiania is near the western edge. Within this overall area of distribution, plants are usually found at 2000-3000 ft. (610-910 m), growing in two distinct types of habitat. In one type, plants are found on very rough barked trees which grow in an alkaline environment on limestone bluffs, ridges, and mesas known locally as pedreiros. While the region is very dry much of the year, the limestone of the pedreiros is able to soak up and retain large amounts of water during the rainy season. This moisture is given up very slowly as the surrounding trees respire it into the air through their leaf surfaces, providing a relatively stable source of high microclimate humidity in an otherwise dry environment. The second type environment, known locally as chapada,

is in regions where the limestone was not deposited on the underlying granite. The relatively flat granite plateau has been cut by eroding streams, leaving almost perpendicular cliffs as much as 1000 ft. (300 m) tall on either side. *C. walkeriana* is found in this habitat where streams plunge over the edge of the cliffs. They usually grow with their roots attached to bare granite rocks near the top of the cliffs along with lithophytic cacti, succulents, and epiphyllums. Some plants are found on rough-barked trees near the edge of the cliffs, but they are never very far from streams or areas with permanent water seepages. Moisture rising from the waterfalls condenses as soon as the temperature starts to drop in the evening and quickly covers plants and rocks in the vicinity with large amounts of water, even during the dry season."

By reading the above you can easily conclude that this species likes to have its roots exposed as it rambles along and does much better in a basket than in a pot. The media should always be large with plenty of air space as plants grow larger. Flowering usually occurs on a leafless stem arising directly from the rhizome. The 'Pendentive' form is often speculated not to be pure *C. walkeriana* due to its full form. It could be *C. x dolosa*, a natural hybrid with *C. loddigesii* or some intergrade between the two.

Red – *Brassocattleya* Mary Dodson – Fi Alonso & Jon Crate

White – *Cattleya lueddemanniana* – Danny Lentz & Dianne Morgan

Cymbidium Alliance

No Entries

Dendrobium Alliance

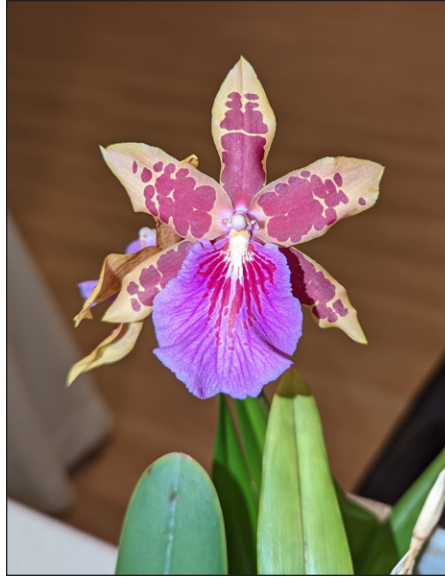
No Entries

Epidendrum Alliance

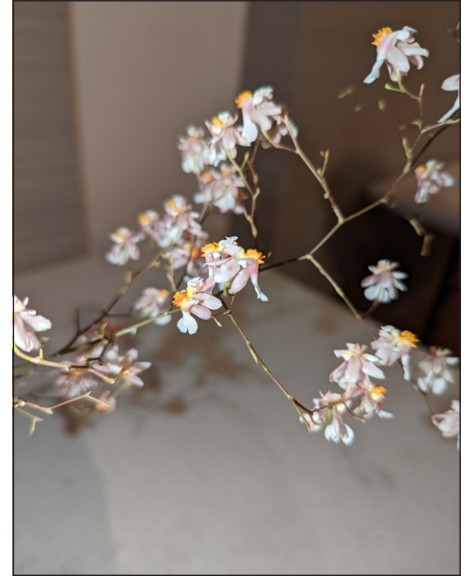
No Entries



Tolumnia Jairak Rainbow



Miltonia Sandy's Cove 'Woodlands' AM/AOS



Oncidium Tsiku Marguerite

Oncidium Alliance

Blue – *Tolumnia* Jairak Rainbow – Danny Lentz & Dianne Morgan

Red – *Miltonia* Sandy's Cove 'Woodlands' AM/AOS – Danny Lentz & Dianne Morgan

Since I have written about *Tolumnia* Jairak Rainbow several times in the past, I would like to highlight the red ribbon winner instead. This interesting orchid with a beautiful and rather unusual color pattern was introduced in 1990 by a British hybridizer named George Black. He specialized in *Oncidimae* and they make up the lion's share of his 268 official registrations. This one, through five generations, combines five different *Miltonia* species from Brazil. That is about one quarter of all the known species in the genus. The warm peachy background tone of the petals is inherited from *Milt. regnelii*, while the large, patterned lip harkens back to *Milt. spectabilis*. The 'Woodlands' form earned an Award of Merit for Woodland Orchids (Rolf and Linda Wilhelm) of Charlotte, NC at the Alabama Orchid show in September 2000. All of the species involved like to cool to warm, but not hot conditions year-round, with frequent water combined with perfect drainage. It is a good one to grow indoors under lights like Danny & Dianne are doing, but likely wouldn't fare well outside in a typical Atlanta summer.

White – *Oncidium* Tsiku Marguerite – Véronique Perrot



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 insightful articles and tempting ads for plants and supplies.

10% off purchases from the Society's Bookstore and Orchid Emporium.

Reduced or free admission to participating botanical gardens.

For a limited time, if you join for two years you will also get a \$30 gift certificate (good on an order of \$100 or more)

at any one of 13 commercial growers who advertise in *Orchids*.

**Membership now includes access to OrchidPro,
the database that replaces OrchidsPlus**

JOIN TODAY

Single Membership, 1 year - \$79, 2 years - \$153

Student membership, 1 year - \$54, 2 years - \$103

JOIN OR RENEW ONLINE AT www.aos.org

*Paphiopedilum* Petula's Knight

Slipper Alliance

Blue – *Paphiopedilum* Petula's Knight – Danny Lentz & Dianne Morgan

Paphiopedilum Petula's Knight is from the breeding program of Graham Wood at Lehua Orchids near Hilo, Hawaii. The original *Paph.* Petula is a grandparent in this cross and took the traditional primary hybrid, *Paph.* Maudiae and combined it with *Paph.* wardii. After that generation, *Paph.* sukhakulii was introduced on both sides to add spots and width to the petals, and more importantly, bring them in to a much more horizontal position. As most of you may already know, *Paphiopedilum* are orchids that do not produce satisfactory results when tissue cultured, or "mericloned," like other orchids such as *Cattleya* and *Oncidium*. Therefore, each plant is raised from seed and no two, even from the same seed pod, are exactly alike in flower, and in the Maudiae types even the foliage pattern is different with each plant. The only way to own an outstanding awarded plant is either to get one awarded yourself or pay a stiff price for a division of one once it has become large enough to separate into more than one clump. The Maudiae types excel when grown under white LED lights kept about 24 inches above the foliage. They come potted in many different types of media, but in my experience a mix that is more medium sized and not too fine is better in the long term even if watering must be performed more frequently. I use No. 2 Kiwi bark in 2.5 in pots for small plants, and a mix of No. 2 and No. 4 Kiwi bark in larger pots.

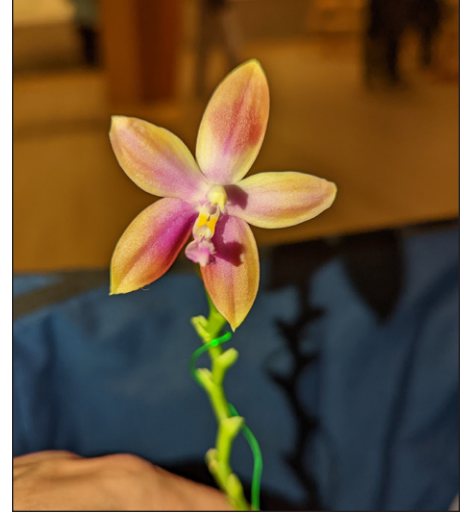
*Paphiopedilum* World Tour

Red – *Paphiopedilum* World Tour – Danny Lentz & Dianne Morgan

Entered under the parents, *Paph.* World Venture x Cadence, this would be the cross named above, registered in 1993 if the labelling is correct. While both of those parents are very round, full "Bulldog" types, there can be reversions to flower forms that more closely resemble that of their species ancestors in a batch of seedlings.

amazonsmile

You can help out the Atlanta Orchid Society simply by shopping at Amazon through their Amazon Smile program. To do this simply go to smile.amazon.com every time you want to shop at Amazon. When you go to checkout for the first time, you will be asked to designate your charity. If you type Atlanta Orchid Society in the search bar, we are the only result that comes up. Select that one. You can change the charity at any time, by following the directions on the About page. All of the details of the Amazon Smile program can be found on the Amazon site at: smile.amazon.com/gp/checkbox/about/

*Phalaenopsis* Yaphon Oh Mygod

Phalaenopsis

Blue – *Phalaenopsis* Yaphon Oh Mygod – Fi Alonso & Jon Crate

In addition to this photo, there are four more images in Orchidwiz of different example from this cross between *Phal.* KS Happy Eagle and *Phal.* testrapsis registered in 2012. All of them present beautiful and unusual blends of colors while at the same time each one is distinctly unique. Despite the mixing of six species that produce only a few flowers per inflorescence at a time, there are two extant awards for well-grown plants with multiple inflorescences bearing 15 and 20 open flowers respectively. So, with excellent care, a big floral show can be achieved with this orchid. In pursuit of even better results, at least 11 new hybrids have been registered in the last six years that utilize *Phal.* Yaphon Oh Mygod as one parent. As you might expect, Yaphon Orchids is in Taiwan where the majority of the breeding programs of novelty *Phalaenopsis* are taking place these days. All of the species involved in this, and similar crosses are warm growing orchids that appreciate high humidity and fairly low light levels.



Vanda Phairots Sand x *Vandachostylis Pine Rivers*

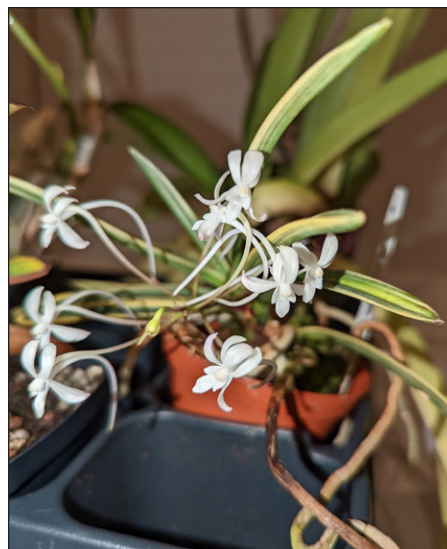
Vandaceous Alliance

Blue – *Vanda Phairots Sand* x *Vandachostylis Pine Rivers* – Magg Wattlely

This showy hybrid mixes *Vanda sandariana*, *Rhyncostylis coelestis* with *Vanda curvifolia*, formerly known as an *Ascocentrum*. The result is a compact plant with upright spikes of saturated purple pink flowers. Not only do the latter two species help keep the plant size down, but they are also more tolerant of cooler temperatures and less bright light than the large growing, heat loving *V. sandariana*. As is typical for this group, this plant is growing in an empty, small basket with its root system fully exposed. While it is the way it prefers to grow, good humidity and frequent watering will be a necessity. These requirements will make ‘windowsill’ growing difficult. The suggested humidity for all three species is 80-85% in summer and no lower than 60% in winter. Many people don’t mind the extra attention required and come up with

ingenious ways to accommodate their fascination with vanda types.

Red – *Vanda falcata* ‘Higashidemiyako’ (variegated leaf) – Danny Lentz & Dianne Morgan



Vanda falcata ‘Higashidemiyako’



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 David Mellard (404-237-1694) or visit www.orchiddigest.com to join online.



Catasetum pileatum 'Jumbo Green Gold'

Miscellaneous

Blue – *Catasetum pileatum* 'Jumbo Green Gold' – Danny Lentz & Dianne Morgan

The male flowers of *Catasetum pileatum*, such as this one, can be quite large at over four inches in diameter. There can be a half dozen or more per inflorescence and the color is quite variable from plant to plant ranging from white to green, yellow, pink to deep burgundy red and sometimes even bicolored. If you are Fred Clarke, you may get two spikes of up to a dozen huge flowers for a truly jaw dropping sight. Don't look to me for cultural advice based on personal experience, except to say that 6 months of nights in the 50's, such as can occur in my greenhouse, does not suit this species from the upper reaches of the Amazon Basin in Venezuela, Brazil, Colombia and Ecuador. If you subscribe to Fred Clarke's email list (Sunset Valley Orchids) you will get several educational pieces per year on how to grow this and other *Catasinae* to perfection. This group typically needs an annual winter rest where water is mostly withheld, fol-

lowed by plenty of water and air movement once new growth is well developed in late spring.

Red – *Habenaria Fornix* – Danny Lentz & Dianne Morgan



Habenaria Fornix