

Garden Island Orchid Society Newsletter

September - October 2023

President's Message

Aloha members!

What an interesting and informative talk at our last meeting. I want to give a big shout out to James Keach who stepped in for our scheduled speaker who had a sudden emergency. We hope to continue to schedule speakers who have lots of experience for the benefit of our members. I have some good ideas for the next three meetings where the program is set aside for speakers. The first one will be in February 2024 as our October meeting is dedicated to repotting and our December meeting is always a holiday party with lots of orchid prizes! I also would like to encourage a member to volunteer to be our Audio/Video Chair so that we can provide our speakers with all of the equipment needed for their presentations.

Our field trip to Neill & Fely Sams, Orchid Alley nursery, was a success with members purchasing orchids that caught their attention. I have included above photos of the two I purchased and that I am very happy with. They are both blooming and are very impressive. The number of orchids and the many different types were amazing, and we hope to schedule another trip in 2024 so additional members can enjoy the experience.

I hope to see many of you at our next general meeting on October 13th.

Elizabeth

Dendrobium Secundum



Den Tobaense var giganteum
'Green Mystery'



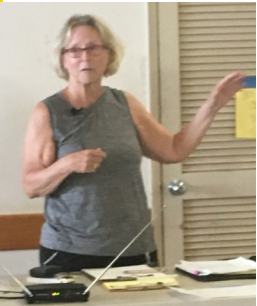
Upcoming Events

Next General Meeting: The next General Meeting is scheduled for **Friday, October 13, 2023** beginning at 6:00 p.m. at the United Church of Christ in Hanapepe.

2023 General Meeting Schedule: General meetings are scheduled for October 13 and December 2 at the United Church of Christ in Hanapepe.

2023 Events: No events scheduled.

August Meeting Recap



Elizabeth called the meeting to order and Walt gave the Treasurer's Report which was approved by the group.

Old Business:

2023 membership dues are due for anyone who has not yet paid. They are \$10 for the remaining half year.



Keiki door prizes were awarded to every member in attendance and members who brought orchids for the display table. Extra keiki door plant were offered for sale. Thank you Nancy.

There are several Board and Committee positions still open, anyone interested in volunteering? See Elizabeth!

Elizabeth suggested that maybe a group of us could plan on attending the 2024 Hilo Orchid Show next year and visit a few nurseries in the area as well.



A variety of keiki plants for sale

Bod. Tower of Rex "Mr. Green Jeans"	Green	5
Oliganthe Pacific "Paradise" "Coral Reef"	pink/purple	4
Wilsonara Pacific Passage "Peach Cobbler"	yellow / brown	4
Odenoelium Golden Mirth "Felin's Gold Dust"	orange / yellow	3
Odotin. Everglades Elegance "Nancy Lee" HCC/AGS	red / yellow	3
Wila Space Mine "Red Rendezvous"	red	3
Bilra. Pacific Pastel "Mauna Loa"	white / red specks	4
Banfieldara Gilded Tower "Mystic Maze"	brown / yellow, red lip	4
Mitassia Golden Spider "Coppous"	yellow, brown bars	5



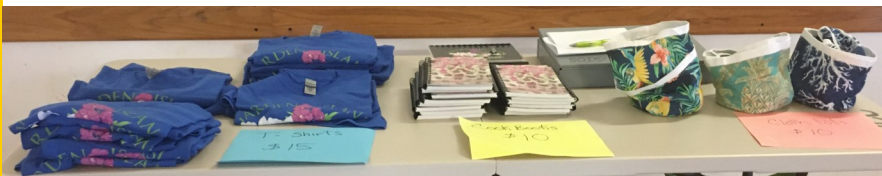
Some beautiful blooming orchids brought in by members for show on the Display Table

New Business:

The October General Meeting will be a re-potting meeting, please bring some orchids in need of re-potting, GIOS will provide medium.



Orchid Society fundraiser items available for sale: GIOS t-shirts, 2020 GIOS Cookbooks, handmade orchid pot decorative cozies



New Directions in Maudiae Paphiopedilum Hybridizing - James Keach

The August's General Meeting's guest speaker was James Keach who presented a slide show by Jurahame Leyva. Here are some of the slides from the presentation.



The genus Paphiopedilum was created in 1886; the type species for the genus is *Paph.insigne*, first described in 1824 as *Cypripedium insigne*.

Overall, there are over 135 species and more than 28,000 naturally occurring or man-made hybrids.

Year over year, they are one of the most awarded orchids recognized by the AOS.

A *Coloratum* Paph.Petula



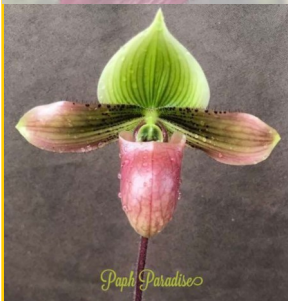
The newly discovered *vinicolor* (solid red) form of Paphiopedilum *callosum* created an instant frenzy of excitement amongst growers and hybridizers. The single plant was selfed (*pollen put back onto the flower it came off*) and sibbed- (*pollen transferred to another plant of the same species from a different lineage*).

Once it could be demonstrated seedlings produced the same color as the parent plant- seedlings were sold for hundreds and thousands of dollars apiece.

Before the new color form had been discovered- every hybrid produced flowers which were either green & white or *coloratum* (green, white & pink/purple).

This new discovery made it possible to not only introduce the new color form into previously made hybrids- but create new combinations as well.

Thousands of new hybrids were created within the next decade.



A very good quality *Vinicolor* Paph.Petula



Notice these flowers getting darker and darker?

Paph.Voodoo Magic

(*Vintner's Treasure x Goultenianum*)
Is credited with 84 offspring as of Dec. 2022.

Notice the increased saturation of color throughout the flower- along with the familiar "swoosh" *Paph.callosum* imparts on its progeny.

Paph. Satchel Paige

(*Vintner's Treasure x wardii*)
is another very important hybrid. Responsible for over 168 total progeny as of Dec. '22.

wardii is an excellent parent for increasing color saturation- and it did not disappoint here!

These flowers look familiar?
We're getting there ;)

The very first orchid hybrid- *Calanthe Dominii*, created by Mr. John Dominy; first flowered in 1856.

This was a *BIG* deal.

There were steam engines hauling people and cargo (1722), cameras taking photographs (1826) and telegraph machines sending messages around the globe (1844)

before the world ever knew its first orchid hybrid.

13 years later, Veitch registered the primary hybrid.

Paph.Harrisianum= (*barbatum x villosum*).

The world's first Paphiopedilum hybrid was half Maudiae-type!

Between 1869 and 1900- around 400 Paphiopedilum hybrids were registered. What a time to be alive...

Maudiae-type hybridizing was relatively straightforward and homogenous until the late 1960's. Two things happened near simultaneously that catapulted Maudiae-types to the forefront of orchid world craze:

- ✓ Paphiopedilum *sukhakulii* was described in 1965
- ✓ A single plant of a *vinicolor* (pure red) form of Paphiopedilum *callosum* was discovered in a batch of wild-collected plants at Stewart Orchids.

Before then, every Maudiae-type hybrid had been made using the same group of about 10-12 species; creating a patchwork of interbreeding, spanning generations.

These hybrids usually had large, prominent dorsal sepals from *callosum*, spotting from *wardii* and *lawrenceanum* and veining from *venustum*.

Paphiopedilum *sukhakulii* introduced:

- More proportional dorsal sepals with stunning green color
- Wider petals with highly uniform, intense black spotting
- Fast growing plants that matured quickly
- Proportional stem length/flower ratio

Crossing existing hybrids with the new species also improved seed count and viability- providing more seedlings for growers to flower out, get awarded and sell.



Paph.Vintner's Treasure

(*New Era x purpuratum*)
is in the background of almost every modern-day Maudiae-type hybrid, and responsible for the outstanding color we see today.

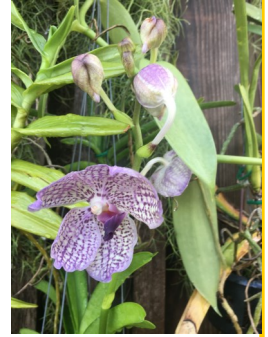
Hybridizers are having to go back to the species to "refresh" the gene pool. This is creating fun new hybrids while simultaneously reinvigorating plants.

- ✓ Paph.mastersianum imparts gloss and stem length
- ✓ Paph.venustum imparts floriferousness, vigor and red intensity.
- ✓ Paph.fairrieianum imparts color saturation and compact size.
- ✓ Paph.callosum imparts larger dorsal sepals, vigor and compact size.

Orchid Alley Nursery Tour



Thank you Niel Sams for hosting a tour of the Orchid Alley nursery. Ten GIOS members joined in an amazing and interesting tour of the nursery and its greenhouses. There were many beautiful orchids in bloom throughout the four large greenhouses, but what was really impressive was the wide variety of plants stuffed in every corner of every greenhouse. Orchids were also for sale for those who could not leave without a few new additions to their collection. See two examples on the front cover and this one at the right.

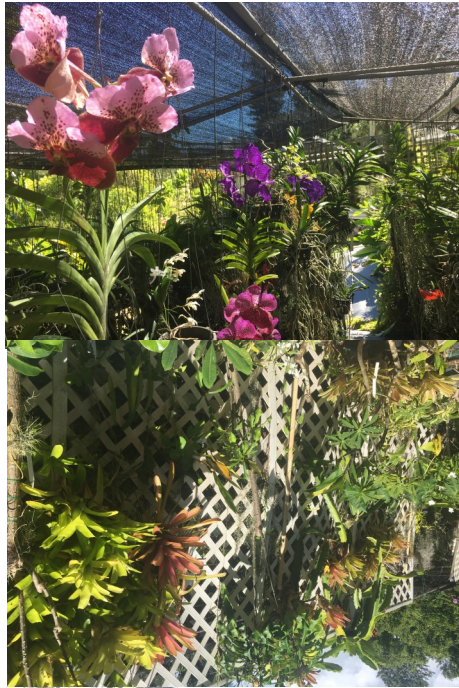


*V. Golanco's
Blue Magic*



Looking up and down the main aisle at the Vanda House. In reality, there were vandas everywhere, not just in the Vanda House.

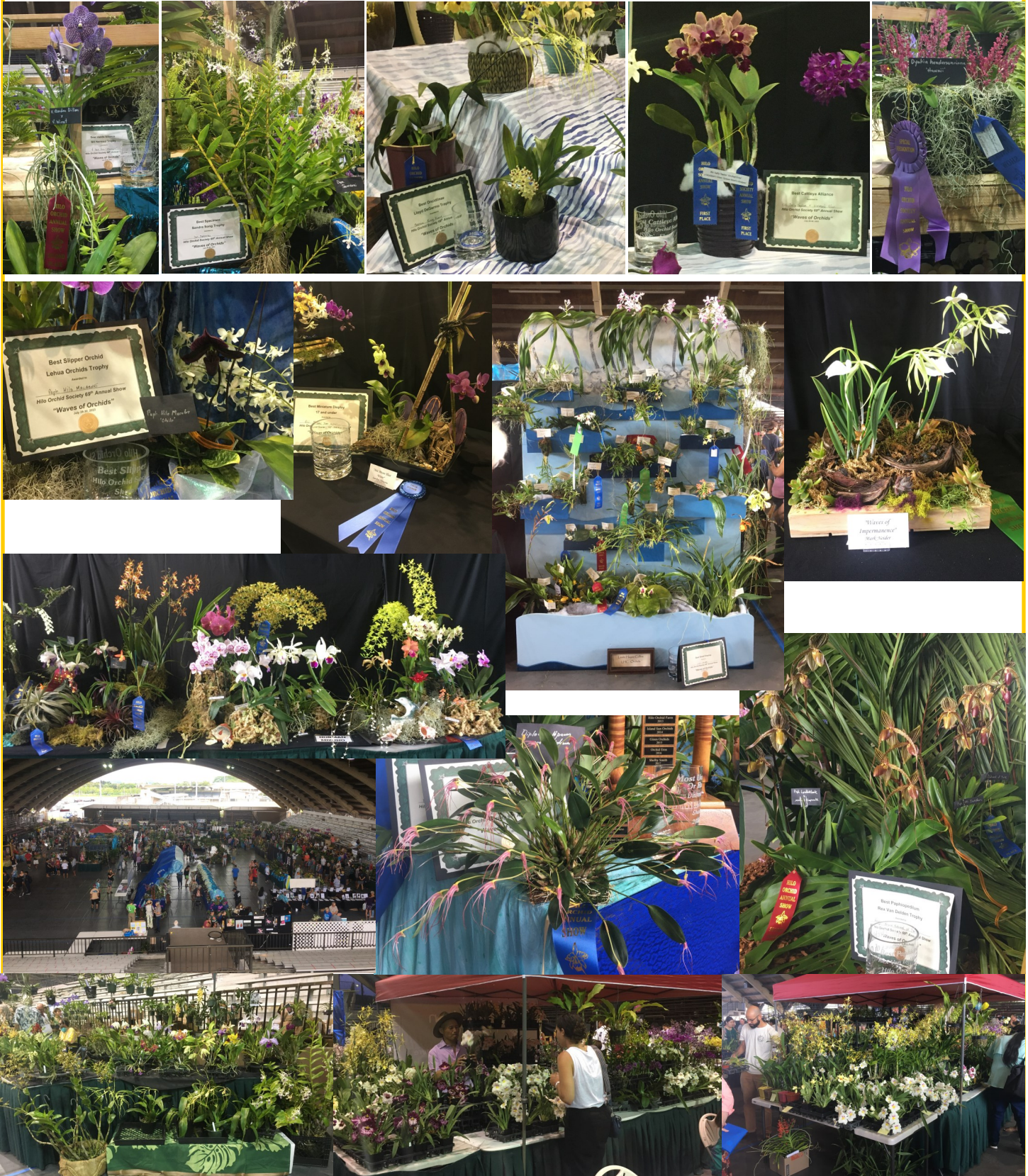
Click to see [Orchid Alley's live FaceBook nursery tour](#) every Sunday at 1pm.



Looking up and down various aisles in the greenhouses. There was so much to see

Hilo Orchid Show 2023

The largest orchid show in the state, the annual Hilo Orchid Show was held at the end of July in the Edith Kanaka'ole Stadium in Hilo. There were many, many beautiful orchids on display, roughly fifteen orchid-related nurseries and suppliers, as well as a dozen or so other vendors at the show. Here are photos of some winning orchids and other displays.





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American Orchid Society Paphiopedilum Page:
[Paphiopedilum \(aos.org\)](http://aos.org)



GIOS T-Shirts Still Available

GIOS T-shirts are still available for purchase. Available in a variety of sizes, these are high quality crew neck t-shirts with the GIOS logo on the front.

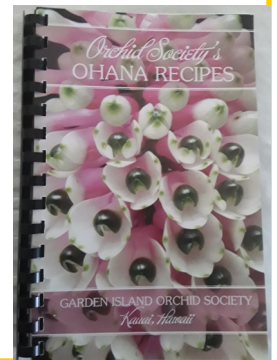
The t-shirts are only \$15 each and are great for members to wear or to give as gifts to other orchid lovers. Funding from the shirts supports the operation of the club.

Shirts are available for sale at every meeting.

2020 GIOS Cookbook For Sale

The 2020 GIOS Cookbook is still available for purchase. One of our Society's largest fund raisers, this cookbook is filled with favorite recipes from many of our members along with photos of beautiful orchids. You have probably eaten some of these delicious dishes at one of our pot luck dinners.

For only \$10 each, buy one for yourself and give others as thoughtful gifts!



Newsletter photos courtesy David Fastenau and Elizabeth Borchelt