

SOUTHERN ONTARIO ORCHID SOCIETY

September 2018, Volume 53, Issue 8 Meeting since 1965

Next Meeting Sunday, September 2, 2018, Floral Hall of the Toronto Botanical Garden.

- ★ **Vendor sales noon to 1pm**
- ★ **12:15 pm Cultural Snapshots by Alexi Antanaitis on the stage.**
- ★ **Program at 1pm Fred Clarke of Sunset Valley Orchids in California. Fred will speak on his specialty Catasetum breeding.**
- ★ **Member plant table.** Bring in your flowering plants for show and tell and points

- ★ **Raffle**

President's Remarks Welcome Orchid Enthusiasts, The summer has flown by for me, and the fact that it is now dark when I get up for work at 5:30am, is a reminder that the days are rapidly getting shorter. It is still quite hot (mid-August), and my orchids have been outside enjoying the warmth, high humidity and the drenching rains that they have experienced lately. Soon the evenings will start to get cooler, which for plants like Phalaenopsis, will start setting their flower spikes. My Cattleyas are putting forth new growths that will flower this Fall and will result in peak blooms in December and January, if last year was any indication.

I hope that most of you were able to attend Orchidfest on July 8, with Robert Fuchs of RF Orchids in Florida. I was distraught when I learned that my wife had booked the return flight from our vacation in Portugal on that date, arriving in the evening, which meant that I was unable to attend the festivities.

Our regular meetings begin again on Sunday Sep. 2 with Fred Clarke of Sunset Valley Orchids giving an updated talk on Catasetums, of which he is arguably the premier breeder in the world. I've seen his Catasetum house at his nursery near San Diego, and the plants are grown superbly. Of course being a Cattleya fanatic, that was my primary goal when I visited the nursery, as he is also a renowned breeder of miniature, compact, and even some standard size Cattleyas. I hope that you were able to pre-order from him, and if not, he should still have plants for sale at the meeting, but your choices will be limited, compared to what he has available on his website.

Our future speakers are as follows:

September 2, Fred Clarke, Sunset Valley Orchids (California), (<http://sunsetvalleyorchids.com>) Catasetums
October 7, Jason Fischer, Orchids Limited (Minnesota) (<https://www.orchidweb.com>)
November 4th: John Marcotte, Orchids Canada, (<https://www.orchidscanada.com/>), Disas

December 2nd: Annual auction and pot luck

Our cultural snapshots will continue to take place on the stage at 12:15 pm, starting in September. Alexi Antanaitis will be running these sessions. Everyone is welcome to participate. Remember, if there is a topic you would like us to cover, please let us know.

The fall shows are just around the corner, with the first one being the Central Ontario Orchids Society (COOS) in Cambridge on Saturday and Sunday Sept 22 & 23. Don Wyatt, Laura Liebgott and Cathy Dunn have been putting up the SOOS displays, and if you would like to help, please let them know. They will be seeking your plants for the SOOS displays at the various shows, so hopefully the summer has been agreeable for your plants, and they are just itching to bloom and show themselves off "on the big stage".

Members whose names begin with the letters N through R will be supplying the treats for the September meeting. We will see you soon.

John Vermeer

We are on facebook at:
<https://www.facebook.com/groups/298874747302722/>

And
www.facebook.com/SOOSOrchid/

On **instagram** **at**
[instagram.com/soosorchid/](https://www.instagram.com/soosorchid/)

SOOS 2019 Show

The Committee is in need of assistance in the following areas:

Publicity - Organize and execute all publicity for the Show.

Art & Photography Display -
Connect with artists and photographers to get items for the display
Set-up display
Invite photographers (and clubs) to Photographers Only Session

Kids Corner - This is something new for SOOS.

Set up activities which would appeal to the Under 12 group.

Ideas successfully tried at other shows can be found on the AOS website:
<http://www.aos.org/orchids/kids-corner.aspx>
Contact local school(s).

Whether you would like to take the lead on one of the above areas or just help someone else, please contact Cathy Dunn (hopeaero@gmail.com) or Peter Poot (peterpoot@capricornview.com) and feel free to attend the next Show Committee

meeting on September 2nd to be held after the regular Sunday afternoon SOOS meeting.

Coming Events 2018

September

1, TJC Monthly AOS Judging at TBG.

2, SOOS meeting, Toronto Botanical Garden, sales 12 noon, program 1 pm, Floral Hall

15, Monthly Montreal AOS judging, Jardin botanique de Montreal

22,23, Central Ontario Orchid Society Show, Cambridge, Ontario.

October

6, TJC Monthly AOS Judging at TBG.

7, SOOS meeting, Toronto Botanical Garden, sales 12 noon, program 1 pm, Floral Hall

13, Monthly Montreal AOS judging, Jardin botanique de Montreal

20,21, Windsor Orchid Society Show.

27, TJC Business Meeting and monthly Judging at TBG. (replaces November 3 judging).

November

October 31- November 4, AOS Member's meeting in Florida

3-4, Essex County Orchid Society Show, Colasanti's Tropical Gardens, Kingsville, Ontario..

4, SOOS meeting, Toronto Botanical Garden, sales 12 noon, program 1 pm, Floral Hall

10,11, Niagara Frontier Society Show, Buffalo.

17, Monthly Montreal AOS judging, Jardin botanique de Montreal

December

1, TJC Monthly AOS Judging at TBG.

2, SOOS meeting, Toronto Botanical Garden, sales 12 noon, program 1 pm, Floral Hall

8, , Monthly Montreal AOS judging, Jardin botanique de Montreal

Conservation Corner

Your society has a group of enthusiastic members that meet regularly to discuss orchid conservation issues and develop conservation action plans. This group is under the active chairmanship of Tom Shields.

On Tuesday July 10 members of your conservation committee embarked early in the morning for two native orchid sites west of Warton that we had not previously explored: the Oliphant and nearby Petrel Point fens. At both we saw hundreds of Grass Pinks and Rose Pogonias along with some Tall White Bog Orchids, while at Petrel Point we also saw one Showy Ladies' Slipper still in bloom and several Loesel's twayblades primed to do so.

Both sites proved easy to find and boasted boardwalks, the latter serving to both protect the sensitive fens while making orchid viewing and photography comfortably dry and relaxing. These are sites that SOOS members may want to explore next year when the orchids are again in their prime. Be sure to bring binoculars as well as your camera, along with bug spray and food and drink.

Your CC plans to next meet at a yet unset date in early August to discuss our discovery walkabouts and to plan for our CC display at SOOS's upcoming Feb. 2019 show. Let Tom Shields (orchidsprimeval@bell.net) know if you are interested in joining in.

AOS Judging Results

Toronto Centre July 8, 2018:

Paphiopedilum Sakaki (bellatulum x wenshanense) 'Synea' AM 80 Synea Tan

Catasetum |Dark Odyssey(Karen Armstrong x Darkness) 'B-C35' AM 84 Bernie Butts & Chuck Lefaive

Cattleya Memoria Robert Strait (walkeriana x Wayndora) 'Blues' AM 82 David Bryan
Paphiopedilum Kemp Tower (Prince Edward of York x philippinense) 'Dr. John' CCM 82 John Doherty

Toronto Centre August 4, 2018

Stelis microchila 'Helm's Gems' Ed Cott
CHM 83

Paphiopedilum tonsum f albidovirde 'CADmium Green' David Bryan AM 81

Phalaenopsis Norman's Jade (Prospector's Dream x Norman's Mist) 'CAD Orchids' David Bryan HCC 79

Vanda falcata var ryunotsume 'Flora Peculia' Taras Kowalczyk JC

Next judging September 1, 2018 at the TBG

Agenda

10.00am Judges education: Presentation by Fred Clarke Cattleya breeding.

1:00pm: AOS Judging

AOS Judging is a service of the American Orchid Society and is open to all! Bring us your flowering orchids

Kiss Your Ascocendas Goodbye,
by Robert Fuchs,

transcribed by Inge Poot



Photos courtesy of Robert Fuchs

In the past the Vandas that people grew were huge plants that were reaching for the sky! And then hybridizers found that Vandas were fertile with the miniature genus Ascocentrum and created the far more modest sized Ascocendas. Recently, DNA analysis showed why Vandas and Ascocentrums interbred so well: they are of the same genus. But now you no longer know just by looking at the genus name if you are buying a giant or a modestly sized specimen...

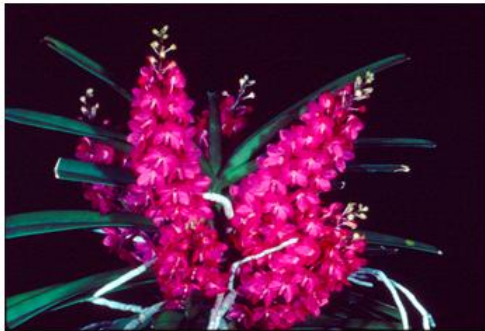


Vanda Portia Doolittle
(*V. curvifolia* X *V. lamellata*)

2000, but as mentioned before, in 2013 they all became plain Vandas. They come in a wide range of colors, tones, markings, are generally free-flowering, with most blooming several times a year and are of relatively compact size

So the first Ascocenda registered in 1949 by Sideris is as of 2013 just a Vanda Portia Doolittle.

In 1950 the hugely successful Ascocenda Meda Arnold was registered and it spawned a spate of hybrids so that from 1961 to 1970 60 registrations accumulated which had an ascocentrum species as one parent and 200 registrations that contained an Ascocentrum. By today that number has risen to



Vanda ampullacea

The most useful species for reducing plant size are the species *Vanda ampullacea*, *curvifolia* and *miniata*

Vanda ampullacea (*Ascocentrum ampullaceum*) has pretty, often quite full magenta flowers in very upright few, to many-flowered inflorescences.

The problem is that the flowers go up so straight that they get hung up in the leaves. Staking is necessary for good presentation.

One of 150 plants imported from Thailand turned out to have pink flowers and 30 years ago that country's market in Chinghai was also the source of a white clone (named 'Fuchs

Snow') that has since been multiplied to the point of being no longer rare. In India the colour variety found there is bright orange, variety *aurantiaca*.

Vanda curvifolia (*Ascocentrum curvifolium*) has orange flowered inflorescences that come out at an angle from the curved leaves and thus present well without any staking. The leaves curve downward and have natural purplish spots on them that are densest along the edges. The sepals and petals of the flowers are the same size and the lip has yellow side-lobes, a dominant character that comes through in all F1 (first generation) hybrid offspring and for some F2's as well.

It pays to haunt the local markets of some species habitats, because the Fuchs family found a yellow form of *curvifolia*, now named variety *lutea* in a Bangkok market some years ago!



Vanda curvifolia



Vanda miniata (hort. syn. *garayi*)

Vanda miniata (hort. syn. *garayi*)

- ❖ 5/8" flowers are small, very showy, yellow-orange to bright orange.
- ❖ multiple, erect inflorescences up to 5 inches long, densely flowered in a beautiful cylindrical raceme.
- ❖ Flowers any time between February and April and flowers last about two weeks.
- ❖ compact, with thick, fleshy dark green leaves,
- ❖ mature plants, about 12 inches, may produce seven or eight inflorescences,
- ❖ can produce one or two spikes on plants as small as three inches!
- ❖ Native from the Himalayas to Thailand, Malaysia and

Java.

This species has very small pollinia and it is hard to get viable seed for hybrids with the species. It seems less compatible with the other vanda species than the rest.

It takes 7 to 10 years from seed to maturity.

But the First generation of hybrids with it is almost always orange whereas hybrids with *curvifolia* 60% are orange and 40% are the other parent's colour. As a result:

- ❖ Not the most popular "Ascocentrum" parent,
- ❖ Less than 10% of all registered "Ascocenda" hybrids have *miniata* in the background,
- ❖ most of those also have *curvifolia* in them.
- ❖ Since the first cross in 1951, *miniata* has been registered as a parent in only 20 Ascocendas,
- ❖ appears in the background of only about 200 crosses. Compare to *V. curvifolia*:
- ❖ Parent in more than 120 hybrids
- ❖ Appears in background of more than 1,500 crosses over seven generations of hybridizing!

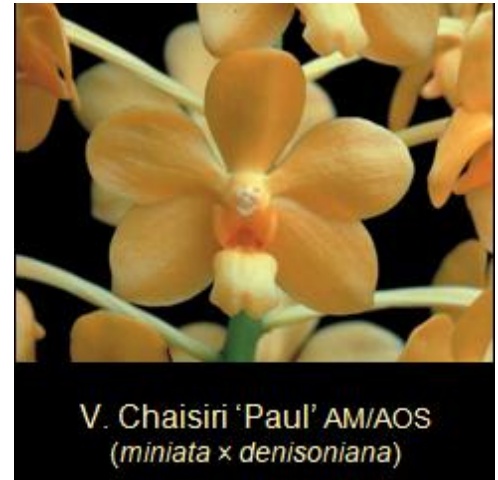
However, in spite of all these obstacles *Vanda miniata* has produced some very interesting hybrids:

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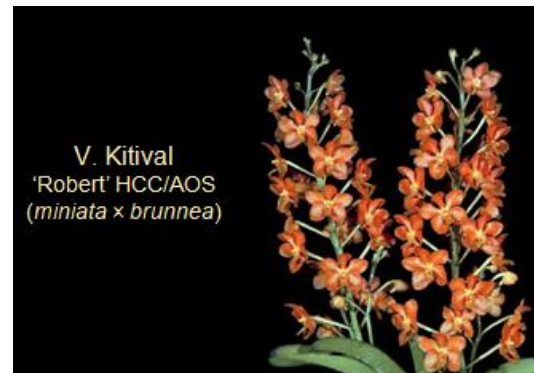
Vanda Kitival, represented by the clone 'Robert' HCC/AOS has a nice compactly sized plant.

V. Viroonchan Gold 'Coqui' AM/AOS, (*miniata* x Aurawan) produces an upright inflorescence of delicate gold flowers. Crossing it with *Vanda denisoniana*

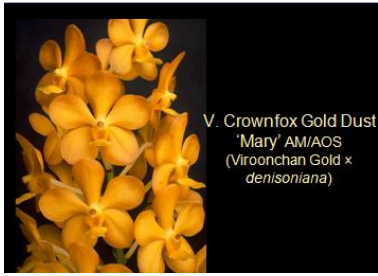
increased the number of flowers and gave them heavier substance. The flowers last five to six weeks! And the plants are fertile!



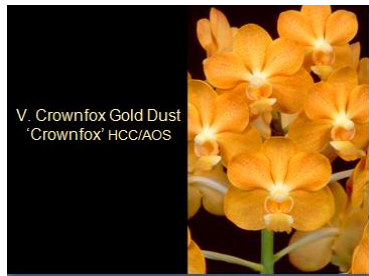
V. Chaisiri 'Paul' AM/AOS
(*miniata* x *denisoniana*)



V. Kitival
'Robert' HCC/AOS
(*miniata* x *brunnea*)

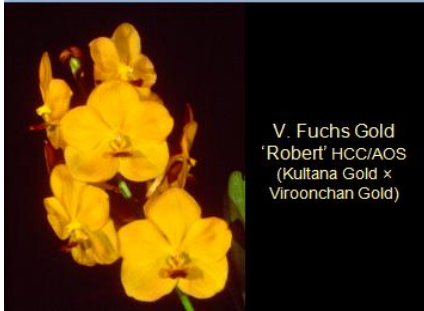


V. Crownfox Gold Dust
'Mary' AM/AOS
(Viroonchan Gold x
denisoniana)



V. Crownfox Gold Dust
'Crownfox' HCC/AOS

The HCC clone has much better shape!



V. Fuchs Gold
'Robert' HCC/AOS
(Kultana Gold x
Viroonchan Gold)



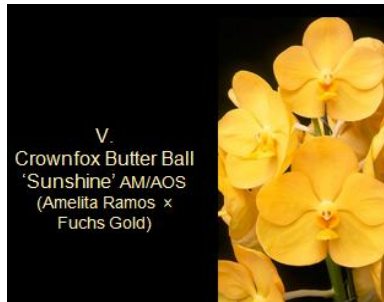
V. Crownfox Sundancer
'Crownfox' AM/AOS
(Fuchs Gold x denisoniana)

The image does not show the lovely peach overlay seen in the AOS award slide. The cross is fertile and was used in further breeding. V. Crownfox Sundancer had 9 flowers per inflorescence and thick substance. (It seems to be less flat than the Fuchs Gold parent)

The cross V. Crownfox Yellow Sapphire is heavily awarded and as exemplified by a clone that got the lovely shape of the Crownfox Sunshine parent and the deep yellow colour of the Fuchs Gold parent:



V. Crownfox
Yellow Sapphire
'Safari Gold' AM/AOS
(Crownfox Sunshine x
Fuchs Gold)



V.
Crownfox Butter Ball
'Sunshine' AM/AOS
(Amelita Ramos x
Fuchs Gold)

Another great yellow cross of a well-shaped fairly floriferous white and chartreuse Vanda sanderiana hybrid with the yellow Fuchs Gold produced some intensely yellow clones:



V. Freda Hartfield
'Sylvia' HCC/AOS
(Fuchs Gold x
Fuchs Golden Shiner)

Even nicer was the cross V. Freda Hartfield with its very flat, cream to deep yellow flowers.

V. Annabell Griffis (Fuchs Gold x Mickey Nax) is similar to V. Freda Hartfield, a little perkier looking, but less flat. V. Annabell Griffis (Fuchs Gold x Mickey Nax)

V. Copper Pure 'Crownfox' HCC/AOS (Gordon Dillon x

Fuchs Gold) looks like a pale Gordon Dillon with pale spots and a very feminine pink blush on the distal third of the segments. Has white *sanderiana* shaped flowers with yellow central spots on the dorsal and petals and a chartreuse overlay on the lateral sepals. Much like an *alba sanderiana*.

V. Fuchs Harvest Moon 'Xanadu' AM/AOS (Fuchs Gold x Charlie Clark) is similar to the previous cross, but with slightly stronger colours. This cross has only the one award shown below.

Going to the next generation with Fuchs Harvest Moon (the flowers were actually white with chartreuse flushing distally): There were 9 flowers on the inflorescence with a natural spread of 8 by 8cm.



V. Peggy Augustus 'Sally' HCC/AOS
(Adisak x Fuchs Harvest Moon)



V. Fuchs Harvest Moon
'Xanadu' AM/AOS
(Fuchs Gold x Charlie Clark)

Another Fuchs Harvest Moon cross garnered an FCC (first class certificate): V. Fuchs Angel Frost 'Michael' FCC/AOS (Fuchs Harvest Moon x Rasri Gold). It is a lovely full gold, with hints of chartreuse and peach and high-lighted with an orange heart in the lip. The flowers had a natural spread of 11.6 X 11.0cm.



Vanda (Ascocenda) Fuchs Angel Frost 'Michael' FCC/AOS

Vanda Barbara Havenick 'Crownfox' HCC/AOS

(Crownfox Gold x Fuchs Harvest Moon) was similar to the above, but additionally ornamented with red speckles over the flowers, leaving an unspotted band along the margin.

Using **Vanda denisoniana** a species with about 5 heavy flowers per inflorescence and great vigor is useful in breeding.

Vanda Crownfox Honey Gold 'Crownfox Gold'

Vanda (Ascocenda) Fuchs Angel Frost 'Michael' FCC/AOS AM/AOS (Fuchs Sunset x *denisoniana*) is a successful example of such a cross. This clone had 16 flowers and five buds on one inflorescence and therefore did not take on the sparse *denisoniana* flowering. The natural spread of the flowers was 7.5 X 6.9cm, but the flowers had good substance. An added bonus the *denisoniana* fragrance carried over into the hybrid!

Adding **Vanda (Ascocentum) miniata** into *curvifolium* hybrids should increase flower number but decrease flower size. This strategy worked really well for some clones of the cross Vanda Pralor. **Vanda Pralor 'Naranja' HCC/AOS** (Meda Arnold x *miniata*) had 66 flowers and 7 buds on one inflorescence! The flowers were flat and full but only 3.1cm across. The lovely colour of gold with peach shading intensifying towards the margins was striking!



Vanda Crownfox Honey Gold 'Crownfox Gold' AM/AOS,
Photo: Greg Allikas O+ 1.4



Vanda Pralor 'Naranja' HCC/AOS

Adding this *miniata* cross to Vanda Madame Kenny gave a striking tower of flowers. **Vanda South East Gold 'Orange Parfait' AM/AOS** (Madame Kenny x Pralor). This clone had 27 flowers and 10 buds on one inflorescence and the flowers were 5.3cm across. The flowers were orange with faint darker orange tessellation.



Vanda South East Gold 'Orange Parfait' AM/AOS

Vanda Suksamran Sunlight 'Naranja' HCC/AOS (Pralor x Jiraprapa) is a similar cross with the clone shown being awarded while carrying 76 flowers and 18 buds on 3 inflorescences. The flower were 5cm across.



V. curvifolia 'Redlands' HCC/AOS

Going another generation, **Vanda Elanda Bates 'Crownfox Ruby' HCC/AOS** (Vermilion Delight x Meda Arnold) retains the good characters of Vermilion Delight and has an even smoother shape! The flowers are larger at 4.8 X 4.7 cm natural spread.



Vanda Vermilion Delight 'Red Dragon' HCC/AOS

Next we were shown the influence of **Vanda (Ascocentrum) curvifolia** in hybrids.

Vanda Vermilion Delight 'Red Dragon' HCC/AOS (*curvifolia* x Eileen Beauty) is a striking example of such a cross. 20 flowers and eight buds on one inflorescence with the soft red flowers measuring 4.1cm across was quite showy!



Vanda Elanda Bates 'Crownfox Ruby' HCC/AOS

Vanda Fuchs Butter Baby (Fuchs Golden Nugget x *curvifolia* var. *lutea*) is an interestingly coloured hybrid, using the yellow variety of *Vanda curvifolia*. The colour is a rich gold.



Vanda Fuchs Butter Baby

Vanda Pink Imp (*luzonica* x *curvifolia*) is another direction of breeding with *Vanda curvifolium* using *Vanda luzonica*.



Vanda luzonica

Photo: Lynn O'Shaughnessy, OW.3.3



Vanda Pink Imp

Vanda Fuchs Torch 'Robert' (David Parker x *curvifolia*) has Vanda luzonica several generations back in its family tree. It has beautiful red-orange flowers, but the loose flower arrangement of *luzonica* is nowhere to be seen....



Vanda Fuchs Torch 'Robert'



Vanda Sara 'Polly Tapley' AM/AOS

Vanda Sara 'Polly Tapley' AM/AOS (*curvifolia* × *coerulea*) is a most interesting cross where crossing a blue with an orange gets pink!

Another lovely darker pink is **Vanda Aroonsri Beauty 'Robert' HCC/AOS** (*curvifolia* × Yip Sum Wah). It had 26 raspberry flowers with darker spots and tessellations with the flowers 4.2 cm across. Vanda Yip Sum Wah is a famous very reliable parent!

Vanda Laksi 'Red Ruby' AM/AOS (Thonglor × *curvifolia*) gives two-toned flowers : bright orange but the central portion yellow. Showy!

V. Laksi 'Chile Pepper' HCC/AOS is similar to the above, but the only yellow are the lip side-lobes.

Vanda Fuchs Raspberry Tart 'Robert' (Laksi × King Naresuan) ended up with a handsome pink flower again, much like the pictured Sara, above.



Vanda Red Gem 'Naranja Sunset' HCC/AOS

Vanda Ng Hee Seng 'Fuchs Sunset' AM/AOS (Darcey Starr × Red Gem) is the showy second generation!

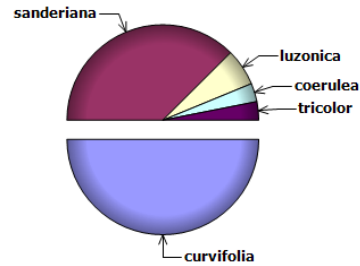
Vanda Yip Sum Wah 'Redland' (Pukele × *curvifolia*) is an example of this famous cross that has about 100

Vanda Red Gem 'Naranja Sunset' HCC/AOS (*curvifolia* × *merrillii*) is a line of breeding using the red form of *Vanda merrillii*. This primary hybrid is somewhat underwhelming shape-wise, but go one more generation and we get WOW!



Vanda Ng Hee Seng 'Fuchs Sunset' AM/AOS

Vanda Yip Sum Wah



awards and as mentioned above is an excellent parent as well. It contains the species *curvifolia*, *sanderiana* and 4-5 generations back, *luzonica*, *coerulea* and *tricolor*.



Vanda Yip Sum Wah 'Redland'

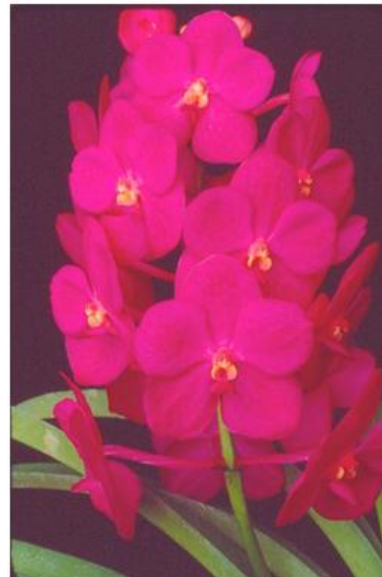


Vanda Gordon Dillon 'Lea'

OW 3.3

Crossing it with the usually smoky blue Vanda Gordon Dillon gets **Vanda Suksumran Beauty** (Yip Sum Wah × Gordon Dillon) an electric pink!

Vanda John De Biase 'Lava Flow' FCC/AOS (Kasem's Delight × Yip Sum Wah) is an example of a large lovely hybrid that has



Vanda Suksumran Beauty

been mericloned and is available periodically. (Your transcriber bought her plant from I think, the Kennedys many years ago...)

Vanda Elizabeth Taylor 'Crownfox' AM/AOS (John De Biase × Danny German) Going another generation in the breeding we get a smoky blue-violet clone that most appropriately commemorates the smoky blue- violet eyed human beauty!



Vanda John De Biase 'Lava Flow' FCC/AOS



Vanda Elizabeth Taylor 'Crownfox' AM/AOS

The flowers were large 9.3 x 9.5cm, not like an "Ascocenda" anymore!

Vanda Fuchs Honeycomb 'Naranja' AM/AOS (Charlie Clark x Yip Sum Wah) is a more predictably coloured clone. It has slightly crowded, very flat orange flowers with a yellow halo around the column.

A most interesting and desirable result of a cross with Vanda Yip Sum Wah was **Vanda Fuchs Royal Dragon 'Indigo' FCC/AOS** (Yip Sum Wah x Fuchs Delight). The branching inflorescence was a wonderful innovation. The flowers were indigo blue, a colour poorly reproduced by films in the past. Unfortunately the plant was sold to a grower in California where it



Vanda Fuchs Royal Dragon 'Indigo' FCC/AOS

subsequently died...So no branched progeny, more is the pity!

Vanda Guo Chia Long 'Spotty' AM/AOS (Yip Sum Wah x Mem. Madame Pranerm) had perky orange flowers with lots of red spots that

coalesced in places close to the segment edges. (See image later in this transcript)

Vanda Fuchs Spotted Cat 'Crownfox' AM/AOS (Fuchs Gold x Guo Chia Long) resulted in shape improvement over the Guo Chia Long and more pleasing even red spotting on a gold background.



Vanda Fuchs Spotted Cat 'Crownfox' AM/AOS

Vanda Fuchs Baby Doll 'Serval' AM/AOS (Gold Buttons x Guo Chia Long) has nicely shaped orange flowers with even deep red spotting. Another clone was shown with very round yellow flowers and soft brick-red spotting.

Vanda Crownfox Spotted Glory (Fuchs Baby Doll x Fuchs Harvest Moon) is the next generation Fuchs Baby Doll breeding. The clone shown had yellow flowers with light red spots.

Vanda Charles Ochipa (Guo Chia Long x *tessellata*) is a new direction in breeding. The *Vanda tessellata* has a gardenia fragrance in the heat of the day and that would be lovely to smell in its hybrids too! This hybrid was in a fragrance competition in South Africa and our speaker was lucky enough to be able to nudge the pot into a sunny spot on the bench and it then got first prize!



V. Guo Chia Long 'Spotty' AM/AOS (Yip Sum Wah x Mem. Madame Pranerm)



Vanda tessellata



Vanda Charles Ochipa (Guo Chia Long x *tessellata*)

Vanda Ken Kone 'Crownfox Leopard' AM/AOS (Guo Chia Long x *merrillii*) is most attractive. There is also a brown spotted clone 'Confetti' with full shape and an AM/AOS.



Vanda Ken Kone 'Crownfox Leopard' AM/AOS



V. merrillii variety *rotorii*

Photo: Willowbanks, OW3.3



V. Guo Chia Long 'Spotty' AM/AOS (Yip Sum Wah x Mem. Madame Pranerm)



Vanda merrillii

Photo: Willowbanks, OW 3.3

(I wonder what form of the species *Vanda merrillii* was used: the common form shown above or the stunning variety *rotorii*?)



Vanda Ray Robinson X Vanda (Ascda.) Suksamran Spots is a promising unnamed hybrid with *Vanda curvifolia* in its background. The large flat flowers have a bright yellow background and vivid red spots as well as coalescing tessellation on the lateral sepals.

Vanda Fuchs Golden Glaze 'Redland' (Suksamran Spots x Vivan) is a

similar cross to the above, but with denser red spots and a less full shape.

Vanda Mardi Gras 'Norma's Confetti' AM/AOS (Suksamran Spots x Surin)

Again uses *V. Suksamran Spots*, but with the *V. Surin* parent the background colour becomes white.



Vanda Mardi Gras 'Norma's Confetti' AM/AOS

Vanda lamellata was used in a few interesting hybrids as well. The species itself can be white to cream to even green with various markings, most commonly on the lower half of the lateral sepals. The variety *boxallii* has dark lower halves of the lateral sepals and is most often used in hybrids. The flowers are held on rather long pedicels resulting in hybrids with well-presented flowers.



TLM. 338 Ascda. Madame Panni "Red Bird"



V. lamellata variety boxallii
Photo: Lynn O'Shaughnessy, OW 3.3

Vanda Khun Nok 'Robert' HCC/AOS (Madame Panni x *lamellata*) resulted in a most attractive hybrid. The *Vanda Madame Panni* is an F1 *V. curvifolia* hybrid.

Vanda Khun Nok 'Ft. Lauderdale' CCM-AM/AOS is another clone of this cross that was flowered exceptionally well. It had 97 flowers and 26 buds on three inflorescences. The beautifully arranged flowers were yellow with red-brown lower sepal halves.

Vanda Fuchs Star 'Robert' AM/AOS (Fuchs Golden Nugget x *lamellata*) is another unmistakable *Vanda lamellata* hybrid. The *V. Fuchs Golden Nugget* is an F2 *Vanda miniata* hybrid. *Vanda Fuchs Star 'Robert'* is yellow, the lower lateral sepal halves are light brown and the lip is bright red.



Vanda Khun Nok 'Robert' HCC/AOS



Vanda Fuchs Star 'Robert' AM/AOS

"**Vandacendas**" is an old name for a group of *Ascocendas* resulting from repeated crossing to large-flowered *Vandas*, until they are virtually indistinguishable from modern *Vandas*. All these hybrids are now *Vandas*. A few examples follow.



Vanda Fuchs Melody 'Dixie' HCC/AOS
(Fred's Fancy x Fuchs Fancy) 6.3% *curvifolia*



Vanda Fuchs Port Royal 'Robert' AM/AOS
(Asc. Fred's Fancy x *V. Kasem's Delight*), 6.3% *curvifolia*

V. Fuchs Key Lime 'Crownfox' HCC/AOS (*Kultana Gold* x *Linda Fuchs*) is a rich very full, flat yellow overlaid with *Vanda sanderiana*-like red markings. It is 6.3% *Vanda curvifolia*.



V. Fuchs Galaxy 'Crownfox'
(Thonglor x Piswong)



V. Crownfox Sunshine
(Fuchs Sunset x Fuchs Sunshine)

Vanda Fuchs Galaxy is 12.5% *Vanda curvifolia*. It has well arranged luminously pink flowers.

Photography:

Willie Alleyne ❖ Greg Allikas ❖
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Richard Clark Maria Teresa

Culture:

Vandas need lots of water. Especially *Vanda sanderiana*! Vandas should be watered every day for 30 minutes (until the roots are green). Vandas are warm growing. *Vanda coerulea* grows at a higher elevation and can therefore take somewhat cooler temperatures. 42F is the lowest they can survive.

Fertilize every 4 days to once a week in the winter. Then flush.

Use seaweed/kelp periodically not fish, because fish emulsion stinks no matter what the container says!!!

Vanda denisoniana hates repotting. Therefore plant it in a plastic basket with natural hardwood charcoal. It lasts well.

If you have high Calcium water take some Calcium out (did not say how...maybe let it sit and wait for it to precipitate out? Use a deionizer? Never use a chemical water softener. The sodium it substitutes for the Calcium kills orchids – not just Vandas)

Ascocendas take less sun than straight Vandas. The broader the leaf the less sun they want. Terete-leaved plants need full sun.

Neofinetias (Vandas now too) are more cold tolerant. Their flower colour is stronger if kept cool. Yellow colour is better when they are grown warmer.

Shade extends inflorescences.

If you grow Vandas (or other plants) too dark they will not bloom. Their leaves will be unnaturally dark green.

About SOOS

Web site: www.soos.ca ; SOOS Facebook group: <https://www.facebook.com/groups/298874747302722/> Member of the Canadian Orchid Congress; Affiliated with the American Orchid Society, the Orchid Digest and the International Phalaenopsis Alliance.

Membership: Annual Dues \$30 per calendar year (January 1 to December 31). Surcharge \$15 for newsletter by postal service
Membership secretary: Liz Mc Alpine, 189 Soudan Avenue, Toronto, ON M4S 1V5, phone 416-487-7832, renew or join on line at soos.ca/members.

Executive: President John Vermeer,; 905-823-2516 Vice-President ? Treasurer, Cathy Dunn, Secretary, Sue Loftus 905-839-8281; Past President Laura Liebgott, 905-883-5290

Other Positions of Responsibility: Program, Terry Kennedy; Plant Doctor, Doug Kennedy; Meeting Set up, Yvonne Schreiber; Vendor and Sales table coordinator, Lynda Satchwell ; Library, Liz Mc Alpine ; Web Master, Max Wilson; Newsletter, Peter and Inge Poot; Annual Show, Cathy Dunn; Refreshments, Joe O'Regan. Conservation Committee, Tom Shields; Show table, Synea Tan, Cultural snapshots, Alexsi Antanaitis, Directors at large Marion Curry, Jay Norris, Judy Palmer, Sherry Xie, Eric Tai, Anne Antanaitis.

Honorary Life Members: Terry Kennedy, Doug Kennedy, Inge Poot, Peter Poot, Joe O'Regan, Diane Ryley, Wayne Hingston.

Annual Show: February 9-10 , 2019.



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japanese orchids and orchid species

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