CYMBIDIUM NEWS

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September 2020 Meeting

Best Overall Best in Open Division First Intermediate Brown

Mem Amelia Earhart x Pacific Sparkle

Grown by John Moon

Volume 22 Number 9 October 2020





Judge's Choice Best in Second Division Ice Breaker '105' Grown by Tony Cummins

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Cymbidium News Volume 22 No. 9 October 2020

The New Cymbidium News is published monthly, February to November inclusive and is the Official Newsletter of the **Cymbidium Orchid Club of South Australia Inc**

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President Graham Fear

Presidents Message,

Welcome to our October issue,

Apart from any late flowering plants and some cascading plants, the flowering season is virtually over. Now is the time to be strong and fill your green bin with the ones you have failed to flower, the poor growers and anything that is taking up space that could be utilized with new seedlings that need to be potted up, or new plants.

Also make sure you keep an eye out for pests such as Red Spider Mite on your young plants and Scale on everything. Both seem to love the warmer weather.

October's meeting is going to be a bit of a fun night with a quiz night and a plant auction. The hall will be made up with double tables with six to a table. No more than that so please. Abide by the 1.5 distancing that is set up at each table, and all join together in teams of six.

We will have a multitude of prizes and giveaways throughout the night, and lots of fun. The auction will be in the middle of the quiz night, so please bring along any plants, compots or flasks that are of good quality, show condition, with a printed picture of each plant which in most cases can be found on the net, or a note with a description or crossing of the plant.

All plants must be named and a list of what you bring in, must be handed to me before the start of the meeting, with the plant's names and your minimum price for it. A 10% commission will be charged to the seller so bring along those extra dollars you've been saving and you never know what exciting plants will turn up on the night. Maybe something you have been looking for.

Because of the COVID restrictions we are not allowed to have food at Burnside, so our November meeting will be an end of year dinner at either a hotel, club or restaurant that can accommodate 50 to 60 people for a set menu or banquet. We are looking at around a \$30 cost menu and the club will subsidise \$10 so the cost to members will be around \$20. Please pay our Treasurer, Christine at the October meeting. We are close to finalising where we are going, but again because of COVID we are restricted in some venues. It will be announced at the October meeting what the venue will be, but be assured we will be going somewhere nice that would suit everybody.

I look forward to speaking to you all again in next month's magazine, and catching up with you at the October meeting. There are new rules to follow, but remember to keep your distance from one another, and no more than six to a table. If you have any queries Greg or Don Wallace are our COVID Marshalls.

Kind regards and stay safe and well.

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Graham Fear, President



(Willunga Royal x Regal Fire) 'Olivia' Grown by Ben Knobben



Regal Flames ''Queen of Hearts'
Open Division First Small Standard Red
Grown by Chee Ng



Easter Fire x Pacific Sparkle First Flowering seedling Grown by John Moon



Khanebono x Last Tango First Flowering seedling Grown by Graham Morris



Harbour City x Pontac Flame First Flowering seedling Grown by Laurie and Sue Carter



Pacific Sparkle 'New Horizon First Division First Miniature Yellow Grown by Bill Jayne

September 2020 Meeting Showbench Results

Pacific Sparkle

Fairy Rouge 'Lavender Falls'

Unknown

Unknown

Ice Breaker

First Prize

First Prize

First Prize

First Prize

Second Prize

Category	Plant Name
Best	Mem. Amelia Earhart X Pacific Sparkle
Best	Mem. Amelia Earhart X Pacific Sparkle
Best	Red Beauty X Valley Vampire X Valley Zenith
Best	Ice Breaker '105'
Best	Lunar Blaze X Kirby Lesh
Best	Serene Splash X Kimberley Splash
Best	Easter Fire X Pacific Sparkle
First Prize	Vanity Fair 'Hollywood'
First Prize	Lemon Butter 'Tee Pee'
First Prize	Lunar Blaze X Kirby Lesh
First Prize	(Hazel Tyers X 'Dutchams's Delight') X Anastacia Wright
First Prize	Regal Flames 'Red Opal'
First Prize	Regal Flames 'Queen of Hearts'
First Prize	Serene Splash X Kimberley Splash
First Prize	Willunga Royal X Regal Fire
First Prize	Mem. Amelia Earhart X Pacific Sparkle
Second Prize	Easter Fire X Pacific Sparkle
Third Prize	Easter Fire X Pacific Sparkle
First Prize	
First Prize	Amaroo 'WB'
First Prize	Jacinta's Pride 'Jemima'
First Prize	Green with Envy
First Prize	Red Beauty 'Netty' 4N X Valley Vampire X Valley Zenith
First Prize	Khan Flame X Red Nelly
First Prize	Lunar Blaze X Apache Flame
First Prize	Harbour City X Pontac Flame

Exhibitor Class Class Best Overall Judge's Choice John Moon John Moon Best in Open Division Judge's Choice Best in First Division Judge's Choice Glenn Stearnes Best in Second Division Tony Cummins Judge's Choice Ben Knobben Best Large Standard Seedling Judge's Choice Wayne Baylis Best Small Standard Seedling Judge's Choice John Moon Best Intermediate Seedling Judge's Choice Ben Knobben Large Standard White Open Division Large Standard Yellow Chee Na Open Division Large Standard Brown Ben Knobben Open Division Graham Morris Small Standard White Open Division Ben Knobben Small Standard Pink Open Division Small Standard Red Open Division Chee Na John Moon Small Standard Novelty Open Division Ben Knobben Intermediate Pink Open Division Open Division John Moon Intermediate Brown John Moon Intermediate Brown Open Division John Moon Intermediate Brown Open Division Intermediate Novelty Open Division Open Division Wayne Baylis Intermediate Pastel John Moon Miniature Pink Open Division Terry Honor Large Standard Green First Division Large Standard Pastel Glenn Stearnes First Division Laurie and Sue Carter Small Standard Other Colour First Division Laurie and Sue Carter Intermediate Pink First Division Laurie and Sue Carter Intermediate Brown First Division Bill Jayne Miniature Yellow First Division Peter Hennessy Large Standard Cream Second Division Miniature White Second Division Mark Hennessy Miniature White Second Division

Miniature Red

Mark Hennessy

Second Division

Orchid Viruses

By Joshua White

Part 4: Orchid Fleck Virus

In Part 3 (September magazine), I looked at CymMV and ORSV, the older two of the three main viruses in Australia. The third is the more recently introduced Orchid Fleck Virus, which is discussed here.

Orchid Fleck Virus (OFV)

Relatively speaking, OFV is the new kid on the block, despite having first been identified in Cymbidiums in the 1970s. Its spread across the globe and through many Orchid genera seems to have been caused by poor lab practices (cloning of virus mother plants), particularly in Southeast Asia, and it has become a significant problem in Australia over the past couple of decades. Some growers consider it to be the worst of the three main viruses.

When the virus was analysed in the early 2000s, it was found to be different enough to all known Rhabdoviruses such that it required its own genus – *Dichorhabdovirus* in the family *Rhabdoviridae*. Much of the research on this virus has happened in the 21st century; thanks to the support of the Cymbidium Orchid Club of South Australia, Raymond Ali at the University of Tasmania studied OFV and its vectors (Wilson & Ali 2013). As a result, the Department of Primary Industries, Parks, Water and Environment (DPIPWE) Tasmania includes a test for OFV in its Orchid virus test regime.

Like CymMV and ORSV, OFV is mechanically transmissible. *Brevipalpus californicus*, a type of false spider mite or flat mite, appears to be the primary natural vector (Peng et al. 2013; Kubo et al. 2009) and the mites remain capable of infecting plants "for a long period." This sustained infectivity makes pest control critical to prevent the spread of OFV within a collection. Additional research indicates that similar pests – *Brevipalpus oncidii* (Ali et al. 2017), some aphids (*Myzus persicae* and *Aulacorthum solani*) and the red spider mite (*Tetranychus urticae*) (Kondo et al. 2003) – may not be able to act as a vector, fortunately OFV is thought to be less contagious than CymMV and ORSV, partially due to its narrow optimum temperature range. It is most successful at infecting a new host at 30°C or higher (Chang et al. 1976), although can still transfer at lower temperatures and has a thermal inactivation point of ~45°C (Peng et al. 2013). I was unable to find any research into whether the virus could transfer via pollen or seed. Thankfully, OFV is short-lived outside a host, lasting only a matter of hours.

More troubling, though, is the fact that OFV can infect non-Orchid plants (Kondo et al. 2003; Kubo et al. 2009), such as some members of *Chenopodiaceae* (the Goosefoot family, now part of *Amaranthaceae*), *Solanaceae* (the Nightshade or Potato family), *Leguminosae* (the Legume, Pea or Bean Family) and *Aizoaceae* (the Carpetweed family). How long the virus persists in these plants is not known, but it is advisable to maintain good pest control in the garden in order to prevent OFV establishing a reservoir from which it can reinfect your orchid collection.

An incubation period of 2-3 weeks was recorded for Dendrobiums, although anecdotal evidence from some Victorian growers suggests Cymbidiums may not show symptoms until the next growth cycle. The symptoms of OFV vary depending on the host genus. For Cymbidium Orchids, potential symptoms include concentric oval-shaped necrotic flecking patterns or cross-crossing lines along the leaves (Kim et al. 2010). Chlorotic blotching can also be present and under the right conditions, the plant can be completely asymptomatic.

On the next page (Page 9) is a photo of a confirmed OFV infection (one of the few occasions I have actually seen symptoms). (It is in colour if you view the electronic form of this magazine)



Once again, Nado Lenkic has provided additional examples of OFV symptoms for reference:



My own personal experience with OFV leads me to suspect that the virus can be present in very low levels and produce a false negative test result under the right conditions. I obtained three Cymbidium backbulbs from a historic plant and potted up them together. All three struck successfully. For the first 6 months or so they were kept with other plants from the same source. They were then isolated after I noted suspicious markings on one of the other plants in the group. About 18-24 months after they produced the initial growth, I finally got around to sending samples off to DPIP-WE.

Now, you might wonder what the point was – all three were from the same parent plant, shared the same pot and were asymptomatic, so surely one sample would have been enough. As I am very cautious about viruses and didn't want to take any chances, I sent a sample from all three. I am glad I did, as only one of the three returned a positive result for OFV (and DPIPWE noted that it was a low level).

I consider it practically impossible that only one of the three plants in the pot had been infected for several reasons – I never noted any pests or pest damage; the pot had been isolated for over 12 months (ample time for any infection that might have been introduced to spread amongst the three) and I had no other known OFV cases in my collection or quarantine areas. I theorise that had I reduced the quality of care and allowed the virus to multiply, the other two plants would later have tested positive.

Conclusion

If there is one thing I would like the reader to take away from this article series, it is that they should not rely on visual symptoms being present before suspecting a viral infection – always act as though there might be a virus in your collection. All three viruses can be asymptomatic or vary significantly in the degree of symptoms displayed. That said, I encourage the reader not to ignore any markings that resemble the photos included in this article series; if there is any possibility it is virused, please get the plant tested.

References

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OCTOBER and NOVEMBER MEETING DETAILS

October's meeting quiz night and plant auction.

Quiz Night

The hall will be set up with double tables with teams of six to a table no more than that at each table.

We will have a multitude of prizes and giveaways throughout the night and lots of fun.

Plant Auction

The auction will be in the middle of the quiz night, please bring along any plants, compots or flasks that are of good quality, show condition, with a printed picture of each plant which in most cases can be found on the net or a sign with a description or crossing of the plant.

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This will be payable to Christine at the October meeting; we are close to finalising where we are going but again because of COVID we are restricted in some venues but it will be announced at the meeting what the venue will, but be assured we will be going somewhere nice that would suit everybody.

On Sunday 18th October, the beginner's group conducted a practical growing workshop. Below is a brief description of what happened.

We initially met at my house at Morphett Vale, and chatted about how to grow cymbidiums, and looked around a typical suburban shade house. We then travelled to Mount Compass to see Jong's Nursery, a large commercial establishment, which produces many thousands of pot plants each season. We divided a couple of plants, potted on small plants and deflasked some seedling flasks

We are hugely indebted to Nico Jong, for allowing us to visit his nursery, and for assisting us, and providing facilities and materials to learn how to grow our plants.

A huge THANK YOU, Nico

The photographs below shows some of our members working hard (and getting dirty), deflasking some seedlings. Hopefully we get some champions from this exercise





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Like humans and animals, plants require regular feeding throughout the year – at least once in each season. Happy, healthy, well nourished plants are more resistant to pests, diseases, heat stress and frost.



.The next Meeting of the

Cymbidium Orchid Club of South Australia Inc.

Will be on Wednesday 28th October, starting at 8pm, in the Burnside Assembly Hall corner of Portrush and Greenhill Roads, Tusmore

An exciting meeting is promised with a few surprises

See page 15 for details

Beginners Group will meet from 7.15pm on the stage at the front of the hall

Newcomers and Visitors are most welcome

Covid-19 spacing conditions will be in place











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Has anyone had an experience where a top quality plant, of very good quality has flowered very poorly, after flowering well previously.

I have a plant of Darch Wonder 'Claudia', which is a very high quality, big round white standard, has flowered very poorly this season, after flowering extremely well on previous flowerings. I do not have a photo of a good flowering of it, but it has flowered well on two previous occasions. However, this year, the same plant has flowered as shown in the photograph above. I have also been sent a photograph of another high quality showbench cymbidium, which has flowered with a very similar, distorted lip, and unusually poor shape.

It has been suggested that the flowers, when in bud may have been exposed to very cold conditions. Has any other grower experienced this problem?

It will be interesting to see how they flower next season

Our "Cymbidium Orchid Club of South Australia" Facebook site is receiving well over 1000 views per posting, from growers all around the world.

Bags of TriSodium Phosphate are now available from the trading table (for sterilizing cutting tools etc). One Kilogram bag \$10, 500 grams \$5.00. Larger bags are available on request. Note, these prices are much cheaper than you can get privately. Contact Graham Morris if you need some now.

There will be some First Strike roedenticide bait available from the trading table when meetings commence, or collect from Graham Morris 0419 823 724 Packs of 10 baits \$5.00, Packs of 25 \$10.00

This new product is getting good reviews from growers interstate who have been

This new product is getting good reviews from growers interstate who have been using it for some time.

Khanebono 'Jacinta' Marilyn Thomas 'WB' Please phone Bill Jayne on 0419 039 022 if you know of someone who has one available

Mary Pinchess "Sunbeam" Graham Morris 0419 823 724

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Strike Back for Orchids Ideal for the all potted flowering and fruiting plants - not just orchids.



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Strike Back for Orchids Liquid Ideal for all potted flowering and fruiting plants - not just orchids.





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ORGANIC FERTILISERS



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From the Ground Up is a complete and comprehensive, state-based garden guide for gardeners. The books utilise the recommendations of many plant experts, coupled with the fantastic knowledge and experience from our authors - Sophie Thomson (SA edition), Jane Edmanson (VIC edition) and Linda. Sandra and Graham Ross (NSW edition) \$35 each

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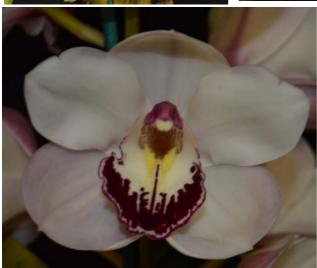
Above Open Division Best Large Standard Seedling Lunar Blaze x Kirby Lesh Grown by Ben Knobben

Below Open Division 1st, Miniature Pink Jacinta's Pride 'Jemima' Grown by John Moon









Judge's Choice

Best in First Division First Large Standard Pastel

Red Beauty x Valley Vampire x Valley Zenith

Grown by Glen Stearnes

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