

CYMBIDIUM NEWS

Published by the Cymbidium Orchid Club of South Australia Inc.

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Print Post Approved PP 100018071



March meeting
Flower of the night
Pakkret Tiara 'Alpha'

Grown by
Pauline and Mark
Hockey



Cymbidium [Cym.] Pakkret Tiara

Year: 2014
 Reg: Orchidpeople
 Orig: Pakkret Flor.

Names: Cym. Golden Elf, Cym. Chian-Tzy Mascot, Cym. ensifolium, Cym. canaliculatum, Cym. ensifolium, Cym. ensifolium, Cym. Enid Haupt

Cross with: Cym. Golden Elf, Cym. Chian-Tzy Mascot

Offspring: No offspring found.

Awards: No awards found.

My Data: Plant, List, Photo, Awd., Entry

Cousins: Genealogy, Cultivate

Report: Label

Genus: Cym. ensifolium, Cym. Enid Haupt

Compare: Family, Gen. Tree

Text Tree, Pedigree

460655

Cym. Pakkret Tiara

Species	Percentage
Cym. ensifolium	37.5%
Cym. canaliculatum	50%
Other	12.5%

Breeding details of the flower of the night at the March meeting

2

Pakkret Tiara 'Alpha' (Chian-Tzy Mascot x canaliculatum)

Note - It is 37.5% ensifolium (an ultra early flowering species)
 and 50% canaliculatum (a late flowering species from Australia)

Above details from OrchidWiz (thank you)

Cymbidium News Volume 25 No. 3 April 2023

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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Ben Knobben # Brian & Shirley Brand, Barry Bailey, Peter Aigner Muehler

indicates Deceased

Index

Flower of the night at the March meeting Page 1

Breeding details of March flower of the night Page 2

Committee details and index Page 3

President's Message Page 4

From the Editor and introduction to major article Page 5

Tissue culture at home Pages 6 to 10

Major breeding plant details Page 11 to 14

Supper roster and a puzzle Page 15

Neutrog Page 16, 18 and 19

April meeting details, Show and meeting dates Page 17

Garden City Plastics special offer for next month Page 20

Neutrog, Rodenticide Page 21

Trading table listing, Birthday draw Page 22

Photos for the Home Tissue culture article Page 23

Seedling of the Year Page 24

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Our club Bank Details are as follows

Bank of South Australia BSB 105 108 Account number 022900640

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Presidents Message April 2023

Welcome to our April 2023 issue

At the March meeting there were only two plants presented for judging. One was in open division, Pakkret Tiara 'Alpha' grown by Pauline & Mark Hockey which was also plant of the night. The other one in was Second division, dayanum (a species plant) grown by Cheryl Lordan. Hopefully we should start to see more plants being benched in April.

It was an interesting night at the March meeting, focussing on a lot of virus breakouts over the last six months or so. It was a worthwhile exercise to refresh everybody's memories of what to look for, what to do and to be vigilant with your plants.

Hopefully it proved educational to you all, to help you recognize virus in your plants, but as you heard, it is not always just markings

on plants, and some plants don't show symptoms, so if in doubt, please isolate the plant or throw it out, and don't take a chance.

Also, thanks to Shane Moeller and John Moon for doing the virus testing on the night. It was good for those of you who haven't done it, to see how it's done. We have also ordered another 100 test kits as most of the ones from the March meeting have been sold. We will now pick the best eight photos and produce a booklet that you can help you identify what a virused plants look like in an easy quick reference booklet.

Many thanks to Graham Morris for putting the presentation together, and well done to Cheryl for an excellent report on testing her plants. Graham did say in his emails that we will be having a table for suspect plants on a monthly basis, but in realistic terms, as more and more plants are being show at our meetings, we think it's best not to do this, just in case of the spread chance, as small as it may be, better to be sure than sorry.

We can confirm that Scott Barry from Baritta Orchids in NSW, will be our guest speaker for our May meeting. Scott will also be bringing some plants to sell with him, so you've got a month to save up some extra cash to buy some excellent plants.

Our speaker for April will be Glen Heylen, the proprietor of Easy Orchids, who will impart some of his vast knowledge on culture from a commercial grower's perspective. We know he will be very interesting and entertaining.

Hopefully everybody in now financial for 2023. Don't forget to wear your name badge and to give your birthday month to John Howard if you haven't already done so. A great seedling is to be won in each month.

I won't be with you April meeting on the on the 26th but I'm sure Greg Wallace will do a sterling job to keep you all entertained.

Kind Regards and stay safe and well.

Graham Fear

From the Editor

This time each year, there are not many flowers exhibited at our monthly meetings. I usually use photographs from the previous month's meeting, in the following magazine. We usually have 8 pages of colour photographs. Last month we only had two plants exhibited, making it very difficult to fill the usual 8 pages of colour.

In place of some of the colour photographs this month, I have used OrchidWiz Encyclopedia to show details of the background to some special plants.

On page 2 are the details of the plant of the month, last month. It shows the huge influence which the species cymbidium ensifolium had in bringing the flowering season forward.

On pages 11 and 12 are details of two hugely important ultra early breeding plants, Peter Pan and Golden Elf.

On pages 13 and 14 are Cronulla and Valley Splash. These two plants have been huge in breeding high quality showbench, pot plant and breeding plants. Please study these pages. I think you will find them interesting and very useful.

OrchidWiz can also show details of what these plants have produced in further breeding.

Thank you OrchidWiz for making these presentations possible.

Introduction to the following article on Tissue Culture

The readers of this magazine have differing experiences in growing cymbidiums.

Some have been growing them for many, many years.

Others are beginners, and are seeking knowledge on how to proceed and grow some nice plants.

Some articles are written in a way that only very experienced growers can understand.

Beginners might find the understanding of an article very difficult, perhaps even impossible. Alternately, an article written for a beginner, will not be of much interest to an experienced grower.

The following article (pages 6 to 10) describes how we produce most of our new plants.

Tissue culture is a way we can produce large numbers of small plants quickly. They can be grown from seed, or they can be clones of a mother plant. It requires some very special procedures, and some special equipment.

This article will describe how it is actually possible to do tissue culture yourself, in your home. Thank you to Kevin Western, from Western Orchid Laboratories, for writing this article. It is lengthy, and will be published over several issues. **Read it, then re read it several times.** Hopefully beginners will get huge amounts of information from it, and perhaps even inspire some to give tissue culture a try. Experienced growers should also learn a huge amount from it. **I know I did.**

Kevin is scheduled to talk at one of our club monthly meetings, later this year⁵. I might just try to get him to talk about how to do tissue culture at home. I am sure he will be happy to answer any questions that you have about this article, at that time.

HOME TISSUE CULTURE SIMPLIFIED AND RELIABLE

Some History

Way back in the 1970's when men were men and women were glad of it, I was a Pharmacy Graduate in Training in the Pharmacy Department of The Queen Elizabeth Hospital. During that September, I was spending time learning about the intricacies of sterile product manufacture and sterilisation and was there as the department took delivery of its first Laminar AirFlow Cabinet - more commonly known as LFC's which was intended to be used as the primary sterile compounding space. Prior to the arrival of the LFC, and for a while after, sterile compounding operations were carried out in what was known as a "sterile tent".

September 1970 also saw me take my fiancé (later my late wife, Helen) with me to see the Orchid Club Of South Australia's Spring Show, which in those days, was held in John Martins Department Store in Rundle Street, Adelaide.

As well as the usual quite spectacular benching of great orchids in flower, there was a display, organised by the late Rex Thompson, showing a Tissue Culture (TC) Rotator with test tubes of Cymbidium clone protocorms in clear tissue culture fluid. At the time Helen was still a Pharmacy undergraduate, so she was interested by the display, but I was way beyond truly mesmerised. Even then, Rex was well advanced in his years, and he took a liking to this youngster who might just become a disciple of TC. We talked succinctly, and when he was certain that I was likely to go and generate pods and undertake cloning, found a piece of paper and wrote down Lewis Kudson's "C" TC formula and gave it to me. At this time too, I had the massive realisation that I, who had been line breeding goldfish since 1952-3, and dabbling in breeding Dahlias for years, had never given a thought to the reality that orchids must also be breeding plants. To his massive credit, on the following Monday, Rex managed to phone me at my work and advise that he'd omitted to include Calcium Nitrate in his written formula.

As I recall it, Rex Thompson's version of Knudsons C solution (1946) was :-

mono-Potassium Acid Phosphate	250 mg
Calcium Nitrate hydrated	1000 mg
Ammonium Sulphate	250 mg

Magnesium Sulphate hydrated	250 mg
Ferric Citrate	25 mg
Manganese Sulphate	8 mg
Sucrose (Sugar)	20 grams
Agar	7.5 grams
Distilled water to	1000 mLs
pH adjusted to	5.0 with hydrochloric acid

This did work OK but subsequent modifications firstly improved the performance and then rendered it obsolete to be replaced with far, far superior formulae.

As an aside, I must also credit Rex in that, during WW2, he was responsible for F H Faulding working from somewhere on Port Rd or in Thebarton, where he was instrumental in organising the very large scale manufacture of Penicillin for Allied Troops. He was then also instrumental for Penicillin being made available to the public at first of all places, in South Australia. I was super susceptible to Bronchitis and Pneumonia as a 4-7 year old and I'm probably only alive today because of Rex Thompson. I know my backside often felt like a damned pincushion, but I also recall the ease of breathing soon after treatment with penicillin was commenced.

It wasn't long before another OCSA member heard that I was setting up to sow seed pods and he advised that he had a pod developing, that he like me to sow for him.

I got ready, made a batch of flasks with the above formula and sterilised the pod, and sowed the seed while at lunch break at work at TQEH Pharmacy Dept. My boss spotted me, and totally miffed, inquired what I was doing. After I'd explained he said that while it was an admirable venture, it really shouldn't be conducted in a sterile tent that was primarily intended to make sterile medicines. "Yep - He's right", I thought. Accordingly, I found a spot, out of the way in a little used store room, and twisted a number of deconstructed coat-hanger wires into a frame and then made it into a sterile tent by dextrously winding Glad-Wrap around the frame. Subsequent pods and replates from successful mother flasks were all done in that unit.

Back at that time too, an astute OCSA member, Ross Gowling, had figured that Cymbidium cut flowers were very profitable venture and that whoever had the first Cymbidium flowers of the season stood to make the greatest profit. Accordingly he actively chased down as many early flowering cymbidiums as he could and promptly crossed them with each other. Successful, he sent his first pods off to a TC (Tissue Culture) operator, but did not get very many seedlings back from that operator. Ross made a few inquiries and did a bit of sleuthing and found that he had been duded, and that the TC operator had been selling the seedlings to others. By that time, Ross had assembled a much larger and better group of early flowering Cymbidiums, and keen to avoid getting duded again, asked me if I would be able to sow his next lot of pods, while he watched and then give him the mother flasks to take with him to replate them later, again while he watched whereupon he would take all the flasks with him again to grow them on at his own place and under his total control. That suited me fine. Ross turned up with his pods to find me set up to do them in a sterile tent made of coat-hanger wire covered in Glad-Wrap on my kitchen table. To say the least, Ross was totally miffed but when I explained that all the flasks I'd done for myself had been produced in exactly the same type of sterile tent at the QEH, he let me go ahead. All worked well, and he got underway with his project. In those days with the building of our own home and landscaping, and life in general, plus already running a successful tropical fish breeding business, I could not continue to do his work for him on a reliable basis, so Ross sought others to continue to do his work for him.

Meanwhile, I'd bought and cloned Cymbidium Nicky 'No 1' and Lunagrad 'Elanora' as they had good resale potential. I left it at that, until talk about cloning Cymbidium Peter Pan 'Greensleeves', an upright spiked, early flowering, STERILE mini to intermediate Cym, and converting it to a FERTILE tetraploid so it would breed, led me to buy a plant and to clone it, and treat it with colchicine. It worked. We got obvious conversion (to tetraploid) but several other labs had done likewise, so that limited profitability and I only bothered to produce and sell a fairly small amount of flasks.

Since those days, we all know that South Australia, Victoria, Western Australia and New South Wales cymbidium growers took up cymbidium breeding, showing and cloning with many a commercial enterprise in each of those states.

SOME INFO

In nature, orchids make thousands of very, very small seeds that travel great distance from the parent plant on the slightest puff of wind or on rain water flowing over the soil.

Only a tiny proportion of these seeds ever land in the right spot to grow, and even less land in the right spot to grow, where the spot is also inhabited by the right mycorrhizal fungus that will trigger the seed to germinate. Note that as the fungus tries to engulf and eat the seed, the seed controls the fungus and absorbs its nutrition to grow into a plant from that fungus.

In the early 1920's, Lewis Knudson was the first to figure that all that's needed to grow Cymbidiums and orchids generally from seed, was to put the seeds on medium containing what was virtually orchid fertiliser plus Agar and Sugar. He realised also, that the seeds would need to be sterile, the growing medium would need to be sterile and that all equipment used must also be sterile and that the working space must also be sterile, and that scrupulous aseptic technique must be used to maintain sterility because the medium would spoil with microbial contamination and produce nothing but contamination.

Now there's a massive range of microbes on and in this planet that we live on. There's a massive range of microbes that live on and in each of us. There are more microbial cells in very human being than there are human cells. There are over 100,000 to 1 million microbes per square centimetre of human skin. We shed massive number of skin particles from all over our bodies every second of the day. Those skin sheds still contain all those microbes

Some microbes are fairly easy to kill, and some are diabolically difficult to kill. **It takes 15 minutes at 120-121 Degrees Centigrade, in the presence of moisture to kill the spore form of some moderately common bacilli. Forget the crap about boiling water to sterilise it. Just doesn't work. Some bugs will survive.** Know also that Dry Heat - the absence of water - there it takes about 30 to 60 minutes at 180 deg C to sterilise an oil or a wax or totally dry equipment.

Also live, hibernating spores of some microbes such as Bacillus cereus are almost certainly present in Ethanol = Alcohol = Methylated spirit. Alcohol / Metho seems to be a reasonable microbial decontaminating solution. It's most potent at 70 - 75% alcohol + 25 - 30% water but Hydrogen Peroxide solution must also be added to it at about 7-10 mL of 3% Hydrogen Peroxide per litre of say 75% Alcohol to kill those spores. On standing for about 24 hours after addition of the peroxide, it will have killed any critters that might come in the water and / or in the alcohol.

I regard the 70-75%, peroxide added solutions as reasonable working options, but I don't regard them as truly able to sterilise surfaces. Somehow it does seem to work with the proviso that we recognise it has a flammability risk. We could use Chlorine Based bleach solutions to decontaminate surfaces generally but the best bleach sources are very corrosive, they wreak havoc on clothing fabrics, they are potentially injurious to lungs and airways and quite corrosive to metal with the exception of Stainless Steel. Because of this, the choice of general surface decontaminating agent is the 75% alcohol (Methylated Spirit) peroxide - added solution.

However, when we need to ACTUALLY STERILISE a surface such as seed pod or an explant or a batch of non-sterile Dry Seed, either Hydrogen Peroxide or Chlorine Based Bleach solutions are definitely the absolute go to solutions. We just have to use the Chlorine solutions carefully while minimising exposure of our lungs and airways.

In my opinion, THE VERY BEST source of Chlorine in solution is " White King " - No I don't have shares in the manufacturer. This brand is very stable and it has a very potent Surfactant (Soap = wetting agent) incorporated in it to make it as effective as it can possibly be. To use White King or bleach solutions generally a few rules must be observed.

1. Store away from heat as this drives the chlorine from its state dissolved in solution to more so as a gas above the solution.
2. Always replace the cap quite firmly straight after use or the chlorine will continuously leak away and solution potency in the container will fall.
3. When / if diluting the White King, always use COLD WATER or you will drive the chlorine away dramatically.
4. Don't contemplate mixing it with peroxides unless you enjoy things exploding in your face!

On the other hand, Hydrogen Peroxide can also be useful. It is available from Supermarkets and Chemists generally at 3% or 6% solutions. Ace Chemicals, Mooringie Avenue Camden Park SA, offer a number of concentrations of Hydrogen Peroxide in bulk. Be warned that it is necessary to avoid skin, eye, etc contact with the peroxides as they are quite strongly burning solutions. I find Peroxide solutions handy to occasionally recover = re-sterilise some suspected or known lightly contaminated tissue cultures and it is very convenient for sterilising good quality dry seed.

To be continued next month

Cymbidium [Cym.] Peter Pan

Photography by M. Baird

Year: 1957
 Reg: Dos Pueblos
 Orig: Dos Pueblos

12 Images in OrchidWiz
 39 Published Images

11 Awards
 Flowers per Spike: 11.7
 Natural Spread: 6.0 cm.

162 Offspring (First Gen.)
 1,007 Total Progeny

Cym. ensifolium

Cym. Miretta

Cym. Claudette

Cym. Mirabel

Cym. Coningsbryanum

Cym. Miranda

Cym. Flamingo

Cym. Petrel

Cym. lowianum

Cym. hookerianum

Cym. insigne

Cym. eburneum

Cym. grandiflorum


Cym. ensifolium

Cym. Peter Pan

325427

Above are details of the hugely important early breeding plant Peter Pan. Peter Pan was registered in 1957, and at that time was a diploid plant, and was a reluctant breeder. It was converted into a Tetraploid (using colchicine during cloning). As a tetraploid it was very fertile. It was a game changer in producing ultra early progeny, with plants flowering from February on, when previously not many other plants flowered before late May. There are 162 first generation offspring registered from it to date, and 1007 total progeny


Cymbidium [Cym.] Golden Elf





Photography by L. Cinert

Year: 1978
 Reg: Rod McLellan Co.
 Orig: P.Gripp



Photographs
 18 Images in OrchidWiz
 62 Published Images









Images  [Ing Refs.](#)











Offspring
 106 Offspring (First Gen.)
 530 Total Progeny

F1 Offsp.  Progeny 

Awards
 7 Awards
 Flowers per Spike: 7.7
 Natural Spread: 7.6 cm.

Awards  [Awards](#)  [Metrics](#)

My Data
 Plant  List  Entry 
 Awd.  Photo 
 Cousins  Genealogy  Cultivate 

Names  Genus  Report  Label 
 Cross with  Compare  Family  Gen. Tree 
 Text Tree  Pedigree 

Cym. ensifolium

Cym. Enid Haupt

Cym. Diana

Cym. Francis Barbour

Cym. Eburneo-lowianum
 Cym. Pauwelsii
 Cym. Dryad
 Cym. Maronii

Cym. Golden Elf

Cym. lowianum

Cym. insignis

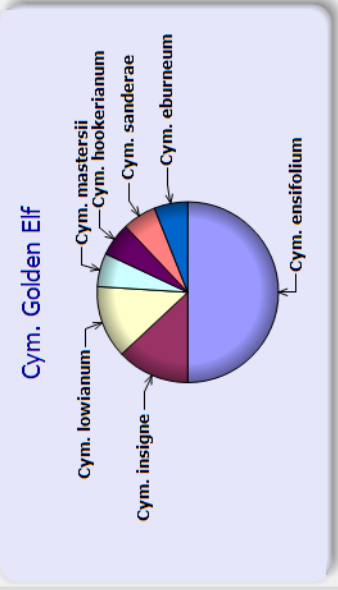
Cym. mastersii

Cym. hookerianum

Cym. sanderac

Cym. eburneum

Cym. ensifolium



insigne


lowianum

mastersii

350114

Above are details of another very important early breeding plant Golden Elf. Golden Elf was registered in 1957, and similar to Peter Pan, it was originally a diploid, and did not breed freely. It was converted into a Tetraploid, and then bred freely. In breeding it produced ultra early progeny, usually in the bright yellow tones. Peter Pan produced mainly dull yellow, pale green and pale pink toned progeny. Golden Elf has 106 first generation progeny, and 530 total progeny

Cymbidium [Cym.] Cronulla



Photography by S. Tay
 Year: 1984
 Reg: Mr/ Mrs P.Effleet
 Orig: A.R.Bryant

Names | **Genus** | **Report** | **Label**

Cross with

- Cym. White Christmas
- Cym. Fanfare
- Cym. Miracle
- Cym. San Miguel
- Cym. Early Bird
- Cym. Stanley Fouraker
- Cym. Verde Grande
- Cym. Mount Everest
- Cym. Ramboda
- Cym. Miretta
- Cym. Doris Aurea
- Cym. Sicily

Compare | **Family** | **Gen. Tree** | **Text Tree** | **Pedigree**

My Data

- Plant
- List
- Entry
- Awd.
- Photo
- Cousins
- Genealogy
- Cultivate

Awards

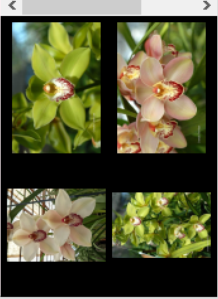
- 5 Awards
- Flowers per Spike: 11.0
- Natural Spread: 11.8 cm.
- Awards
- Metrics

Offspring

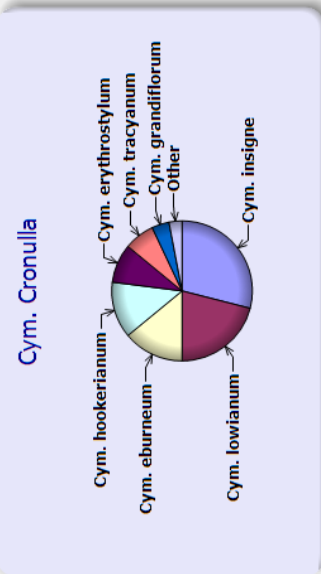
- 51 Offspring (First Gen.)
- 538 Total Progeny
- F1 Offsp.
- Progeny

Photographs

- 6 Images in OrchidWiz
- 11 Published Images
- Images
- Img Refs.




Cym. Cronulla



- Cym. hookerianum
- Cym. eburneum
- Cym. lowianum
- Cym. erythrostylum
- Cym. tracyanum
- Cym. grandiflorum
- Other
- Cym. insigne

Genealogy




insigne | eburneum | lowianum | hookerianum

362869

Above are details of one of the most important Australian stud plant, Cronulla. Cronulla 'The Khan' was a huge breakthrough plant. It was registered in 1984, and has produced multiple high quality showbench champions and breeding plants. Progeny are often highly coloured and very shapely. It has 51 first generation offspring and 538 total progeny. It is one of the most important Australian breeding cymbidiums ever.

Cymbidium [Cym.] Valley Splash



Photography by O.S.C.O.V.
 Year: 1991
 Reg: Valley Orchids
 Orig: Valley Orchids

Offspring
 39 Offspring (First Gen.)
 77 Total Progeny

Awards
 9 Awards
 Flowers per Spike: 10.6
 Natural Spread: 11.2 cm.

Names
 Cym. Vivacious
 Cym. Valya Craig
 Cym. Sleeping Spring
 Cym. Sussex Dawn
 Cym. Hazel Tyers
 Cym. Cariga
 Cym. Balkis
 Cym. Cariga
 Cym. Claudona
 Cym. Sleeping Beauty
 Cym. Sussex
 Cym. Ramboda
 Cym. Carlos
 Cym. Riga

Genus
 Cym. Balkis
 Cym. Cariga
 Cym. Claudona
 Cym. Sleeping Beauty
 Cym. Sussex
 Cym. Ramboda
 Cym. Carlos
 Cym. Riga

Report
 Label

Cross with
 Cym. Valya Craig
 Cym. Sleeping Spring
 Cym. Sussex Dawn
 Cym. Cariga

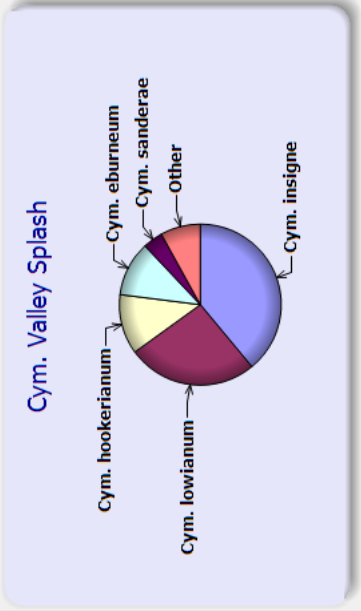
My Data
 Plant
 List
 Photo
 Awd.
 Entry

Cousins
 Genealogy
 Cultivate

Photographs
 14 Images in OrchidWiz
 35 Published Images

Images
Img Refs.

Cym. Valley Splash



Images
 insigne
 lowianum
 hookerianum
 eburneum

378908

Above are details of one of Australia's best ever showbench cymbidiums. It was registered in 1991, and was a regular Grand Champion at many major shows. It has been used extensively in major hybridising programs, and regularly produces high-quality progeny. It has 37 first generation offspring and has 77 total offspring. There are many unregistered progeny from it.

CYMBIDIUM ORCHID CLUB of SOUTH AUSTRALIA

MEETING SUPPER ROSTER 2023

Each Month: Milk, Water, Juice, and eats will be purchased and provided by the Committee

(either Elayne Sanders or Graham Fear)

MEETING DATE	SET UP	SERVING	CLEAN UP
	Name and Contact	Name and Contact	Supervisor
26 April 2023	Elayne Sanders 0413522582	Sylvia and Elayne	Elayne and Sylvia
24 May 2023	Elayne Sanders 0413522582	Joan Mason Margaret Curtis Hilary	Elayne and Joan
28 June 2023	Elayne Sanders 0413522582		Elayne Sanders
26 July 2023	Elayne Sanders 0413522582	Joan Mason Margaret Curtis Hilary	Elayne and Joan
23 August 2023	Graham Fear Sylvia Jackson 0403006057	Sylvia Jackson	Sylvia Jackson
27 September 2023	Elayne Sanders 0413522582	Joan Mason Margaret Curtis Hilary	Elayne and Joan
25 October 2023	Elayne Sanders 0413522582	Erica	Elayne Sanders
22 November 2023	Elayne Sanders 0413522582	Joan Mason Margaret Curtis Hilary	Elayne and Joan

Think about this one.

How do you add two (2) to eleven (11) and get one (1) ?

Answer at the next meeting

Did you hear about the white horse who went into a bar.

Did you know, said the Barman, that you have a brand of Whisky named after you Great, I'll have a double Neddy, said the horse

Did you hear about the transexual Donkey?

He went hee in the morning and haw at night

Dad, where do I come from?

This was a question Dad had dreaded hearing. He explained about the birds and the bees, about sperm and ejaculation, eggs and ovulation, and childbirth.

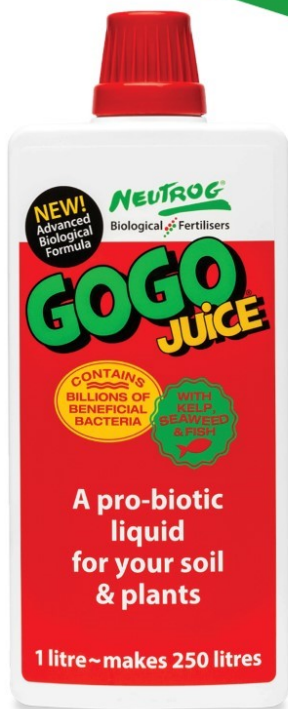
Do you understand now? asked Dad

Not really said the boy.

Angelo says he came from Italy,

Lee comes from Hong Kong

So where do I come from?



BENEFITS OF

GOGO JUICE

- Maximises nutrients available to plants
- Increases resistance to pests and disease
- Reduces heat and frost stress
- Feeds the soil

NEUTROG
Biological Fertilisers

Freecall 1800 656 644
neutrog.com.au

**The next Meetings of the
Cymbidium Orchid Club of South Australia Inc.**

**On Wednesday 26th April 2023
at the Burnside Assembly Hall,
corner of Greenhill and Portrush Roads. Dulwich
The main meeting begins at 8.00pm.**

Any plants to be judged should be tabled well before the meeting please.

Glenn Heylen, the proprietor of Easy Orchids, of Penfield, South Australia will discuss many areas of successfully growing cymbidiums.

He will include fertigation and pest control in his talk.

Over many years Glenn has had to meet many challenges, and he will offer a huge amount of knowledge to our members.

He has an extensive knowledge of pest control procedures

Questions will be welcome

The beginner's group will meet on the stage at the front of the hall, starting at 7.15pm.

Newcomers are very welcome

Dates of monthly meetings through the year 2023 are below.

Always the fourth Wednesday, February to November

April meeting	26th	April	Glenn Heylen (Easy Orchids)
May meeting	24th	May	Scott Barrie (Baritta Orchids)
June meeting	28th	June	To be advised
July meeting	26th	July	** Calum Wilson * Virus expert
Winter Show	2nd	August to 6th	August at Port Adelaide
August meeting	23rd	August	John Gate Hybridising
Spring Show	26th	August to 2nd	September at West Lakes
September meeting	27th	September	Graham Guest (Guest Orch)
October meeting	25th	October	To be advised
November meeting	22nd	November	To be advised
Christmas Dinner		Thursday 30th	November
No meeting in December or January. AGM February 28th 2024			

A lucky badge, and a lucky birthday prize will be given each meeting. You must wear your club badge to be eligible.

Please notify your birthday month to John Howard if you wish to be in the lucky birthday promotion.

TRY THESE AND OTHER PRODUCTS ON
OUR MEMBER'S EXCLUSIVE ONLINE STORE
AT SHOP.NEUTROG.COM.AU

MAKE AN
IMPACT ON
YOUR LAWNS



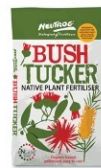
OTHER PRODUCT RECOMMENDATIONS



SEAMUNGUS
Seamungus is used for revitalising all plants throughout the year (including natives) and is ideal for establishing new plants, particularly bare-rooted roses.



KAHOONA
Kahoona is an organic based, chemically boosted fertiliser, specifically developed to enhance the growth and flower development of acid loving plants.



BUSH TUCKER
Bush Tucker is a complete, organic-based boosted fertiliser, specifically developed to meet the specialised needs of all Australian native plants.



POPUL8
POPUL8 is an Advanced Soil Biological formula. It is designed to occupy and populate the biological space in the soil and on plant roots which may otherwise be an available space for plant pathogens to inhabit.



STRIKE BACK FOR ORCHIDS
Strike Back for Orchids liquid concentrate is an organic based chemically boosted fertiliser ideal for all potted flowering and fruiting plants ...not just orchids!



SUDDEN IMPACT FOR ROSES
Sudden Impact for Roses concentrate is ideal for all flowering plants except natives and bare-rooted roses.

If you require assistance please contact Jacinta on +61 8 8538 3513

NEUTROG
Biological Fertilisers

Most members should know that we have a really good, mates rates deal with Neutrog, to purchase their products at very special prices.

Generally, a club member needs to register on line via the Neutrog Web site. You will be given an account, and can set up a password to access the site to place an order.

There are four (4) times each year when you can order product, then collect it a short time later.

We get very discounted prices on all products.

There are a small number of members who cannot order on line, through either not having access to a suitable computer, or have had difficulty in logging in and placing their order.

If you are in that position, the club is about to set up a club account which you will be able to access by contacting a nominated member (Graham Morris), who you can place your order with and make your payment. You will need to make arrangements with him, on how and when to collect the order.

Dates of the orders and delivery are below. Orders can be placed well before the closing dates to avoid missing out.

Autumn

Delivery

**17-18th February 2023 Date depends on collection point
(Store closes 6th February 2023)**

Winter

Delivery

**19-20th May 2023 Date depends on collection point
(Store closes 8th May 2023)**

Spring

Delivery

**18-19th August 2023 Date depends on collection point
(Store closes 7th August 2023)**

Summer

Delivery

**17-18th November 2023 Date depends on collection point
Store closes 6th November 2023**

**I will try to get a product list and price list for those interested in this service.
It should be available at each monthly meeting**



GCP May 2023 SPECIAL

10-12 Hakkinen Road

Wingfield, SA 5013

Phone: (08) 8168 4100

Fax: (08) 8168 4199

Email: sa@gardencityplastics.com

20% Off Dramm Watering equipment for May 2023

1st May 2023 to 31st May 2023

(There may have been a price increase since your last purchase)



DRAMM WAND SET

Prices last time on special . (May have increased a little now)

16" wand set - \$37.49 - 20% = \$29.99 + gst = \$32.99

30" wand set - \$43.48 -20% = \$34.78+ gst = \$38.26

9 position revolver sprayer- \$23.19 -20% = \$18.55+ gst = \$20.41

Neutrog are great supporters of our Club.

Please support them wherever possible and tell others about them

The Cymbidium Orchid Club of South Australia, was actively involved in developing and testing Strike Back for Orchids and endorses it's use.



PREPARE YOUR LAWNS FOR THE SUMMER HEAT

Sudden Impact for Lawns now comes coated with Neutrog's highly anticipated advanced biological POPULB!

Sudden Impact for Lawns + POPULB is a dual-purpose product designed to both stimulate growth and simultaneously fight pathogenic disease on all types of lawns, hedges, and trees.

The balance of nutrients and microbes is the secret to the success of Sudden Impact for Lawns + POPULB. The ratio of nitrogen and potassium is ideal for promoting growth, the levels of iron and magnesium have been boosted and the 240+ microbes in POPULB help with the nutrient liberation, disease suppression and growth promotion.



Free call 1800 656 644
neutrog.com.au

Rats and mice are active in our gardens at the moment. First Strike Rodenticide is very effective in controlling these pests.

Available from Graham Morris 0419 823 724. Call if you need some.

Packs of 10 baits \$5.00, Packs of 25 \$10.00

Available at the Trading table at the back of the hall, on meeting nights.

21

This new product is getting good reviews from growers everywhere who have been using it for some time. Rodents cause lots of damage if not controlled. Be prepared. Have some on hand.

Reminder

**Don't forget to give your birthday date
to John Howard
if you wish to participate in the Birthday prize draw
each month**

**Please write your name and BIRTHDAY MONTH on a
paper and hand it to John as early as possible**

TRADING TABLE SUPPLIES

250mm Pot		\$1.20	
200mm Pot		80c	
180mm Pot		60c	
140mm Pot		40c	
100mm Pot		30c	
Plastic Trays	\$2.20	(55cm x 35cm x 8cm holds six 180mm pots)	
Stakes Bundles 3ft (25)		\$4.50	
Stake Bundles 4ft (25)		\$6.00	
Twist Ties Bundle (100)		\$2.00	
Calcium Nitrate		\$2.50	
Yo Yo's		\$2.00	
Single Head Fogger Dropper		\$4.50	
Trisodium Phosphate (sterilizer)		\$5.00 (500g)	\$10.00 (1kg)
Virus Kits		\$7.50	
Linuron Hericide (100g)		\$10.00	
Plastic Labels (25)		\$2.00	

For normal orders contact John Howard on 0419 814 981, for stock availability

For larger orders 30 pots or under per size, contact Wayne Baylis, on 0409 801 224

Any orders over 30 pots per size should be sourced by the box configuration from Garden City Plastics,

Available to all club members in bulk,
Contact Natasha on 8168 4100 to order.

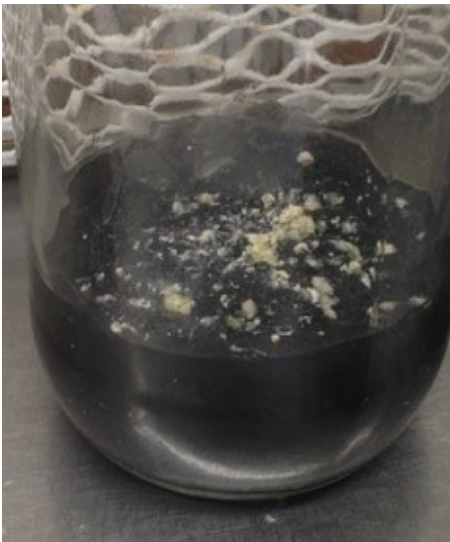
Below are tools , seed pods and a recently sown flask of seedlings, referred to in the article starting on page 6



Above—A holder for tools inside tissue culture work area Easy to sterilise



Above A seed pod before and after cutting open. Note the large amount of seed inside



Above Seed sown into flask before germination



Above a dried seed pod Dry seed is visible



March meeting

Best in Second Division

dayanum (a species cymbidium)

Grown by Cheryl Lordan

