

# BULLETIN

Volume 65, Number 06

July 2022

## EASTERN SUBURBS ORCHID SOCIETY INC

### NEXT MEETING:

General Meeting to be held at 7.30 pm on Monday 19th July 2022  
Corner of Arden and Varna Sts. Clovelly.

### President

Gavin Curtis

### Joint Vice Presidents

Kylie Pellagreen  
Ian Kaplin

### Secretary

Ross Trethewy

### Joint Show Marshal's

Ian Kaplin  
Chao Ping Li

### Treasurer

Chin Wong

### Editor

Ian Chalmers

### Sales Manager

Warleiti Jap

### ANNUAL MEMBERSHIP

**Single \$15 Family \$20**  
(Due 1 July each year)

All correspondence and membership  
enquiries to:

<http://www.esos.org.au/contact-us/>

Website: [www.esos.org.au](http://www.esos.org.au)

COVID SAFETY IS PRACTISED



Plant of the Night Open *Oncidium Twinkle* -- Herbert Chen



Plant of the Night Novice *Coelogyne perplexa* -- Chao Ping Li

# General Meeting Eastern Suburbs Orchid Society Inc.

Held at the Community Hall cnr Varna & Arden Sts Clovelly  
at 7.30pm on 20th June 2022.

The President opened the meeting and verified COVID-19 precautions were in place and noted to Members that supper would continue at meetings going forward.

## APOLOGIES

Buda Ivanisevic, Michael Morrow, Kylie Pellagreen, David Bullock

## NEW MEMBERS/VISITORS:

None.

## MINUTES:

The minutes issued of the previous face to face general meeting of the 16th May 2022 were accepted as a true and accurate record and were seconded by Warleiti Jap. No changes to the Bulletin or the minutes were requested by attendee members.

## CORRESPONDENCE:

The Secretary outlined external correspondence sent out to Members which included: Neam Oil Safety Precautions; Barrita Orchids New imported flasks from the USA; Mingara Orchid Club 2022 Fair & Show June 22; Manly Warringah Orchid Society Show; Orchid Society of NSW May Newsletter; Blue Mountains & Penrith Districts Orchid Society Bulletin May 22, Orchid Collection for Sale Cromer in Sydney, New Flasks OrchidRUs Windemere, Eastwood & District June 2022 Bulletin, Cymbidium Club of Australia Orchid News for June, 22nd Australian Orchid Show and Conference 31Aug Logan QLD, Rock Lily Rag, Number 58, June 10, 2022, Mingara Orchid Club Newsletter and details on their Orchid Show 25th / 26th June 22, Kurangai Orchid Society monthly bulletin for June 2022; Manly Warringah Orchid Society Newsletter June 22 and notice of their Winter Show @ Belrose Super Centre 17,18,19 June; Western Suburbs Orchid Society June Bulletin.

Internal correspondence included Minutes of ESOS General Meeting 16th May 2022, ESOS Bulletin June 2022.

## UPCOMING ORCHID SHOWS

Shows discussed included:

- Mingara annual fair and orchid show on 25/26 June at Tumby Umbi
- St Ives Orchid Fair St Ives Showground on 9:00 – 4:00 Friday 19th August, 9:00 – 4:00 Saturday 20th August and 9:00 – 3:00 Sunday 21st August.
- 22nd Australian Orchid Council Show at Logan QLD 31st Aug to 4th Sept 2022
- St Ives Orchid Fair St Ives Showground on 9:00 – 4:00 Friday 19th August, 9:00 – 2

4:00 Saturday 20th August and 9:00 – 3:00 Sunday 21st August.

- Wyong Race Club Orchid Show 11 Sept 2022 9am to 2pm.
- 22nd Australian Orchid Council Show at Logan QLD 31st Aug to 4th Sept 2022

**ALL NOTE: ESOS** orchid show at Flower Power Botany confirmed 23/24 July 2022, contact with Breanna Bashaw of Flower Power. Set up will be from 2pm on the Friday 22 July and all note the premises close at 5pm sharp.

Roster for Flower Power, organisation, judges, exhibitors, cashless EFT machine, volunteers. Volunteers will be needed over the two days with the likely minimum number being 3 in the morning and 3 in the afternoon each day.

Action for the Secretary to discuss raffle prize donations with Flower Power for the upcoming event.

Action for President to determine the location of plant pot covers and banners/ribbons.

Action for the Treasurer/Vice Treasurer to discuss access to an Electronic Payment Device from our preferred Bank.

Members are reminded to start considering plants for the Show.

**ALL NOTE: Southern Orchid Spectacular** 7th – 9th October 2022 ESOS volunteers are needed for set up on the 6th October and throughout the 7, 8 and 9th Oct. All note the organizing committee has been formed consisting of Ian Kaplin; Chinee Wong, Ross Trethewy, Gavin Curtis and Ian Chalmers. Ian Chalmers noted that the Committee was seeking to bring out a grower from Japan to provide extra interest.

Volunteers were discussed and the likely number of 22 per day. Travel reimbursement was also discussed and the organising committee will discuss further requirements at the next meeting on 26th June 2022.

So far volunteers include David Bullock (all day Friday); Cathy Starrett; Elizabeth Ying (pending commitments), Ross Trethewy Sunday morning.

## OTHER BUSINESS:

### Treasurer Report

The Treasurer reported on the finances for the Society, which continues to remain viable, despite reduced income due to the absence of funding from Shows.

## Supper

The meeting paused for Supper kindly provided by Jim and Judith Linton. The Secretary thanked them on behalf of members.

Elizabeth Ying + Chao Ping Li kindly offered to provide Supper for the next meeting in July.

## Back Bulbs

Following supper the President undertook a discussion on cymbidiums and exhibited and discussed two plants one grown entirely from 9 x back bulbs planted in the pot in December 21 and the plant was observed as thriving.

He outlined the use of back bulbs and the ease at which new plants can be grown by placing the back bulbs around the edge of the pot and using mostly Sphagnum Moss to keep the bulbs moist with plenty of water and fertilizer over the growing season to successfully strike new plants from the back bulbs. He highlighted the importance of placing the back bulbs around the edge of the pot and not in the centre where they tend to rot.

The ease at which plants can be grown from back bulbs was highlighted hence Members were advised to not throw out back bulbs. Water trays were advised from October to May and keeping plants drier over Winter.

The President outlined his use of a mix of 6-9mm + 12-18mm bark for Cymbidiums and use of dynamic lifter in the growing season sprinkled around the circumference of the pot and not over the sheaths of the plant and it can cause rot, particularly in Vandas.

The ongoing La Nina and rainfall was discussed and the less intense light as a result. As a result the reliability of flowering and flowering times has been thrown into disarray for the growing season over the past 8 months or so.

The use of water dishes was discussed for the growing season and particularly for soft cane and hard cane dendrobiums. He outlined October as a good month to remove keikis, do back cutting and the importance of doing this at the right time every year.

When buying plants the President warned that bigger is not always better and to carefully check the plant over for new shoots, back bulbs, pests and uniformity of leaf colour.

## Plant of the Night

The Plant of the Night Open was awarded to Herbert Chen for his *Oncidium Triku Marguerite*. The Plant of the Night Novice and the People's Choice was awarded to Chao Ping Li for her *Coelogyne perplexa* (orange) previously known as a *Dendrochilum*. Congratulations to both members who were awarded plants- Well Done! The Raffle for the Night was drawn and a number

of Members won plants.

Deoxyribonucleic Acid (DNA) for orchid plants Ian Chalmers discussed DNA further and the recent change of *Dendrochilum* to *Coelogyne*.

He outlined DNA traces and discussed divergent evolution and convergent evolution and the use of DNA to establish the plant's family tree and break up into genera and species. Then using morphology to develop the keys to facilitate identification.

Consideration must then be given to having thousands of different genera and breakdown in species or grouping as there becomes no clear lines of distinction.

The change of *Dendrochilum* to the *Coelogyne* family was highlighted as a recent example of DNA conversion evolution.

## Water

The President discussed the quality of Sydney water and its chlorine content, which evaporates after about 7 days if left in a bucket vs. the alkalinity of rainwater which is acid. Pool and fish tank chemicals can be used to neutralise water if Members wish to try this approach and experiment with plant growth using neutralised tap water or rainwater.

## Orchid Plant Mounts

Mounts were discussed briefly and the used of old stockings or gutter guard as an easy option for mounted plants.

## Plants for Prizes

The orchid plants of member Greg Kazarian were discussed along with those of Kurt Schremmer a long standing member who passed away in late 2021. Greg is now resident in a Nursing Home due to his advanced years. The President informed Members he will split Greg's plants into three and provide to members to care for as they will be used for prizes going forward.

The meeting concluded at 9.20pm.

## NEXT MEETING:

The next ESOS General Meeting will be Mon 18th July 2022 at 7.30pm, and going forward will continue to be face to face at the St Luke's Community Hall, cnr Arden & Varna Sts Clovelly.

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# June Results

CLASS	ORCHID	EXIBITOR
6 OPEN		
Laeliinae Itermedia/Miniature	1 <sup>st</sup> C. White Snow	Herbert Chen
	2 <sup>nd</sup> Rth Debbie Miyao 'Royale'	Warleiti Jap
	3 <sup>rd</sup> C. Jewel Red 'Shumzu'	Herbert Chen
7 Cymbidium Standard	1 <sup>st</sup> Cym. Unknown	Herbert Chen
	2 <sup>nd</sup> Cym. Tracey Reddeway	Herbert Chen
8 Cymbidium Intermediate Miniature	1 <sup>st</sup> Cym. Ba Trieu	Warleiti Jap
9 Dendrobium Hybrid	1 <sup>st</sup> Den. Gowans Tangelo	Warleiti Jap
10 Oncidinae Hybrids <60 mm	1 <sup>st</sup> <i>Onc. Triku Marguerite</i>	Herbert Chen
	2 <sup>nd</sup> <i>Onc. Honey Angel</i>	Herbert Chen
	3 <sup>rd</sup> <i>Onc. Fire Free</i>	Herbert Chen
12 Cypripedioidae Hybrids	1 <sup>st</sup> Paph. Tatonka	Warleiti Jap
15 Miscellaneous Hybrids	1 <sup>st</sup> Lmc. Mark 'Neve'	Warleiti Jap
16 Miniature	1 <sup>st</sup> <i>Onc. Twinkle</i>	Warleiti Jap
	2 <sup>nd</sup> <i>Onc. Twinkle</i>	Warleiti Jap
	3 <sup>rd</sup> <i>Onc. Twinkle</i>	Warleiti Jap
20 Coelogyninae	1 <sup>st</sup> <i>Coel. javerianum</i>	Warleiti Jap
21 Species Asian	1 <sup>st</sup> <i>Cym erythrostylum</i>	Warleiti Jap
22 Species Ameriaca	1 <sup>st</sup> <i>Max. vaiaablis</i>	Warleiti Jap
NOVICE		
27 Laeliinae Other	1 <sup>st</sup> <i>Brassocatanthe</i> Little Mermaid	Ross Trethewy
	2 <sup>nd</sup> C. unknown	Ian Kaplin
28 Standard Cymbidium	1 <sup>st</sup> Cym Death Wish	Ross Trethewy
29 Cymbidium Intermediate / Miniature	2 <sup>nd</sup> Cym. Kulnura Ruby Mist	Ross Trethewy
31 Oncidium Hybrids <60mm	1 <sup>st</sup> <i>Onc. unknown</i>	Jenny Jiang
	2 <sup>nd</sup> <i>Onc. Twinkle</i>	Ross Trethewy
	3 <sup>rd</sup> <i>Onc. Twinkle 'Red Fantasy'</i>	Ross Trethewy
32 Oncidium Hybrids >60mm	1 <sup>st</sup> Cyrtocidistele Petite Piquere	Jenny Jiang
	2 <sup>nd</sup> <i>Onc. unknown</i>	Chao Ping
33 Cypripedioidae	2 <sup>nd</sup> Paph. Winston Churchill	Jenny Jiang
36 Miscellaneous Hybrids	1 <sup>st</sup> <i>Bulb. Facination</i>	Ross Trethewy
	2 <sup>nd</sup> <i>Coel. Janine Banks</i>	Cathy Starrett
39 Laeliinae Species	1 <sup>st</sup> <i>Dinema polybulbon</i>	Ross Trethewy
41 Coelogyninae	1 <sup>st</sup> <i>Coel. perplexa</i>	Chao Ping Li



C. White Snow

Herbert Chen



*Cym erythrostylum*

Warleiti Jap



<i>Paph. Tatonka</i>	Warleiti Jap
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*Cym. Unknown* - Herbert Chen



*Cym Death Wish* Ross Trethewy



*Brassocatanthe Little Mermaid* Ross Trethewy



<i>Cyrtocidistele Petite Piquere</i>	Jenny Jiang
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*Bulb. Fassionation* -- Ross Trethewy



*Cymbidium canaliculatum*. - Sapphire Qld.

This species grows in the rotting wood within the trees. It gemminates in hollows or termite nests in the trees and can travel meters within the tree until it reaches the light. It grows in all conditions mostly in Western NSW and Queensland. Having its roots in the tree protects it from frosts and drought.

## Nomenclature *Coelogyne*.

The history of orchid names, as we know it goes way back to the Greek Empire. Until Recently it was all based on Morphology that is mostly the shape and features of the flower. In particular the reproductive elements.

With the advent of DNA, DNA has become the main tool of taxonomy. DNA has shown up a lot of anomalies in the morphology nomenclature.

The current process is to develop the family trees by DNA and define the branches and twigs by morphology.

This is fine until you get to analyze the anomalies. The current nomenclature generally lumps the genera so the genus can be identified. The alternate is to split genera the creating 100s of new genera, which helps clarity in the science but would be a nightmare for us as growers.

Humans like to categories everything by putting it into concise boxes. Nature does not behave that way.

The anomalies are caused by a number evolutionary processes:

1. Orchids need to attract pollinators so flowers with the same pollinator evolve to look similar..
2. Some orchid species are a result of ancient natural hybridisation so don't fit into any box.
3. Orchid species whose areas over lap can hybridize creating hybrid swarms.
4. Orchids species have migrated in the past. Where there are barriers between these migrations the orchids evolve into different species. However where the barrier is weak or is replaced there is a flow of genes between the two areas. In this instance there may be no clear line between two species and one blends into the other.

The orchids in the intermediate zones are either natural hybrids or integrates, and are difficult to squeeze into our concise boxes.

*Copelogyne* is the latest group to be effected by the DNA studies, expanding *Coelogyne* to include 14 other genera including *Dendrochilum* and *Pholitota*.

Also some times orchids that come in are initially miss identified. *Dendrochilum luzonense* was misidentified, its correct name is *Coelogyne perplexa*.



*Dendrobium spectabile* is one example of a species resulting from an ancient hybridisation. It fits in between section *spathulata* and section *latouria*. It would not fit neatly into the concise boxes if *Dendrobium* were to be split into a number of Genera.