# Bulletin of the Orchid Society of Canberra, Inc.

***PO Box 221, Deakin West, ACT, 2600, Australia***
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***ABN 34 762 780 850***

*Caladenia fuscata*

**Volume 33, Number 6** **November–December 2018**

**Regular monthly meetings:**

Monthly meetings of the Society are held on the first Wednesday of each month (except January) at the Seventh Day Adventist Church, corner Gould and Macleay St. Turner. Meetings commence at 8:00pm with the library and sales table open from 7:30pm.

**7 Nov Growing Australian native orchids**
**5 Dec Christmas party**

## Upcoming Events

10–11 Nov Canberra Horticultural Show including orchids
18 Nov Repotting Workshop
17–18 Nov Three Rivers Orchid Show, Corowa
9 Dec Native Terrestrials repotting workshop

**For further info, visit:**

- http://www.canberraorchids.org/
- http://www.hsoc.org.au/pages/events2.htm
- https://www.orchidsocietynsw.com.au/Shows2018.htm

### Repotting Workshop

Members are invited to a repotting workshop at Jane's place, 135 Osburn Drive, Macgregor, on 18 November at 1:30pm. Participants are welcome to bring their own plants to repot if they want. We'll have others to break up, as well as pots, potting mix etc.

### Native terrestrials workshop (more on page 6)

A terrestrial orchid repotting workshop will be held on Sunday 9 December at Karen Groeneveld's place in Queanbeyan (112 Tharwa Rd) from 1:30pm. We will have some pots of *Pterostylis curta* to break up and share – this is an easy species to grow and a good one to begin with. Bring along terrestrials that have died down for the summer and need repotting.

**Disclaimer**

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**Judges' Choice – Specimen and Orchid of the Night** September *Dockrillia chordiformis* grown by Mark Clements . [photo: Zoe Groeneveld]

## Committee Members

| | | |
|---|---|---|
| President: | Jane Wright | 6254 1119 |
| Vice President: | Bill Ferris | 6297 5635 |
| Treasurer: | Scott Mann | 0414793759 |
| Secretary: | Karen Groeneveld | 6299 7080 |
| Committee: | Geoff Dyne | 6231 3681 |
| | Peter Coyne | 6251 7660 |
| | Andrea Robold | 0418241694 |

**Have you moved?**
Please make sure we have your current address and contact details.

**Contributions to the next Bulletin**

All contributions to the bulletin are most welcome. Deadline for the January–February edition is 25 January 2019 to Peter Coyne (petaurus@gmail.com).

## From the President

What a wonderful show we had! And extra special that David Judge's champion *Paphiopedilum rothschildianum* received an Award of Merit. I heard great feedback about how much people enjoyed the show and how they felt that the quality of the plants was improving all the time. It was just great to have so many of our members involved. The Ainslie Football Club has proven to be an excellent venue, so we have locked in the weekend again for next year.

Don't forget the Horticultural Society of Canberra's show that is coming up on 10-11 November. They include quite a few classes for orchids so if your pride and joy was not ready for our show, consider giving it an outing then. Showing orchids at the horticultural society shows is a great way to promote our society and growing orchids generally. They always have lots of other beautiful flowers too. Full details on their website www.hsoc.org.au.

We are busy planning next year's program so if there is a specific topic or speaker you'd like to hear, please let one of your committee members know.

**Judges' Choice – Specimen** October Sunshine grown by Bill Ferris. *Dendrobium* Coolart [photo: Zoe Groeneveld]

### Tending orchids November to January

Most plants are growing strongly now so if you haven't already, repot any plants that need it right away, so the new roots can grow into the new mix. If you are unsure of what to do for a specific plant, bring it to the next meeting and ask for advice or attend the potting workshop on 17 November (details elsewhere). Don't forget to fertilise – plants that grow big and strong produce more and larger flowers!

Orchids need to be protected from our very hot and intense late afternoon sun in summer. Get your shadecloth up before your plants are scorched. As we head into summer, pleurothallids need relief from very high temperatures. Plan on a cooler spot to grow over summer.

Winter and spring-flowering Australian native terrestrials will be dying down for the summer. As they do so, reduce watering. Repot once the tuberoids are dormant. Consider placing an order for terrestrial tuberoids in December through the society from the ANOS Victoria tuber bank. We will talk about Australian native terrestrials at our November meeting so make sure to come and hear from our expert society growers.

Catasetums should be repotted but *not watered* until the new roots are about 10 cm long, at which point you should start to water and fertilise heavily (making like a monsoon).

Don't forget to consult our book – there's a lot of useful information in there for everyone.

### Southern Orchid Spectacular

Our Society put on a display at the Spectacular from 4-7 October. Our display was awarded third prize in the large display section for which the society received $350. David Judge won Champion Vandaceous with his *Phalaenopsis* Chian Xen Angel and Champion Cypripedioidea with *Paphiopedilum* Bel Royal which also received an Award of Merit. Mark Clements won Champion Australian Native excluding Sarcanthinae with *Pterostylis baptistii* which also received an Award of Merit. Congratulations to both of you.

For allowing us to take their plants to Caringbah we thank Mark Clements, Brian Dear, Bob Forrester, Mark Fraser and Sandra Corbett, Bill Ferris, Karen Groeneveld, David Judge, Scott Mann, Andrea Robold, Rob and Audrey Rough, Ben Walcott, Nita Wheeler and Jane Wright. For assistance with transporting plants and setting up and taking down, we thank Jacquie Bannerman, Mark Clements, Mark Fraser and Sandra Corbett, Bill Ferris, Karen and Peter Groeneveld, Robyn Noel, Andrea Robold, Jane Wright and Roger Williams.

As usual, we rented a whole house (organised by Robyn Noel – thank you!) and eight of us stayed together and socialized over the weekend. Jacquie summed it up well as, "Wine, pizza and laughter', although only the latter was absolutely required. Consider joining us for a weekend – either the Regional Workshop to be held at Bateman's Bay in March, or the Regional Show and Conference to be held ne xt October long weekend in Moruya.

**Internet resources**

The OSNSW website has a mountain of useful information for novices and established growers. For example,

https://www.orchidsocietynsw.com.au/GrowingTips.htm

## Our Show 2018

Our show was a great success. The Ainslie Football Club did a wonderful job for us again this year and the venue is booked for the same weekend next year. The vendors were very happy and are already confirmed for next year and trying to work out how to bring more flowers. Thanks to Thomas Robold and Roger Williams, our lighting in the display area was much improved over last year. Raffling off vouchers to spend at the show was very popular with both punters and vendors so we'll carry on with that.

Some stats:

23 members put 228 entries into the show. 11 members won Championship prizes! 30 members helped at the show over the weekend. A great effort and thanks to all.

From a financial perspective the show was a success as the Society made approximately $2500 not including the cost of plants the society sold which were not factored into the show summary. Sales were strong across our vendors, members and society plants with over $1300 of society plants being sold creating some welcome fee space in the homes of the committee members who have been maintaining these to date.

Visitors through the door were commensurate with last year with just under 1000 people attending across the two days (595 on Saturday and 395 on Sunday). We did not receive any negative feedback on the $2.00 flat fee for entrance which also made managing the door easier.

Book sales were up from last year from 45 to 51 and while the raffle profits were down on last year, the new format of quick draw and prizes being vouchers as opposed to donated plants from vendors; was considered a success given the lack of post-show administration to locate winners. The fact winnings were recycled through the sales tables also contributed to sales and our vendors commented positively on this process.

Finally, the addition of providing a card payment option worked very well with $2613 worth of payments received being made by card. This service cost the Society $49.75 (1.9% of sales), but we believe this cost is well justified by the convenience and anecdotal boost to sales that providing this payment option provides.

### 2018 Show Sponsors

The support of sponsors contributed greatly to the success of the show. We are grateful to the following, and encourage members to remember them:

Greengold Nursery Federation Square
Shop 12 Federation Square,
O'Hanlon Place, Nicholls ACT 2617
Web: greengoldnursery.com.au
email: kieron@greengoldnursery.com.au

Heritage Nursery
Weston Park Rd
Weston Park, YARRALUMLA ACT 2600
Ph: 02 6281 7373
Web: www.heritagenursery.com.au

Bunnings Fyshwick
Corner Collie and Newcastle Street
FYSHWICK ACT 2609
Ph: 02 6206 2700
Web: www.bunnings.com.au

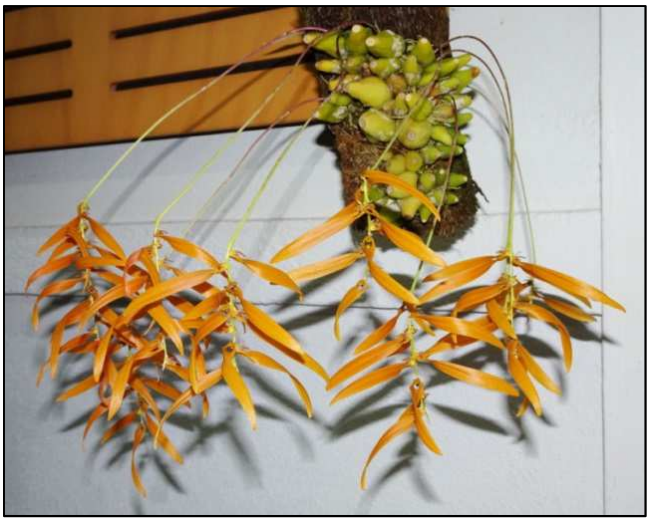
Johnston's Orchid and Indoor Plant Nurseries
Murphy Rd, Houghton SA 5131
ph: (08) 8380 5464

South Pacific Hydroponics
2/84-86 Wollongong St,
Fyshwick ACT 2609
ph: 02 6239 2598
Web: southpacifichydroponics.com.au
email: sphydro@grapevine.com.au

Botanical Bookshop
Australian National Botanic Gardens
Clunies Ross St, ACTON ACT 2601
ph: 6257 3302
Web: www.botanicalbookshop.com.au
email: sales@botanicalbookshop.com.au

Sims Orchids and Laboratory Services
ph: 08 8382 8822
email: simsorch@bigpond.com

Orchid Species Plus
405 Main St, Kingston Vic 3364
ph: 03 5345 6387
web: www.orchidspeciesplus.com.au



**Judges' Choice - Species** September *Bulbophyllum wallichii* grown by Karen Groeneveld.
[photo: Zoe Groeneveld]

## Orchid of the Night in October

**Orchid of the Night** and **Judges' Choice–Species October**
*Cypripedium formosanum* grown by Mike Pieloor .
[photo: Zoe Groeneveld]

### *Cypripedium formosanum*

This fabulous Chinese species is considered one of the easier species in the genus. But 'easier' is a relative term.; Cypripediums are tricky.

I obtained this plant from Lynn's Rare Plants about two years ago. Lynn occasionally has divisions for sale. But, the price reflects the rarity of this genus in Australian collections.

In pots, it appears that *Cypripedium* roots and shoots are easily susceptible to rot and should not be in contact with organic matter. As a result, I grow them in an inorganic mix of perlite, scoria, clay balls, vermiculite and other mineral-based matter.

Because Cypripediums do best below 25 degrees, I use terracotta pots. The evaporation from the terracotta helps to cool the roots in summer. And, because of the sensitivity to heat, I also bring the plants inside during the day time in summer, when our Canberra temperatures soar over 30 degrees.

These plants live in shady, moist environments, so watering occurs throughout the year, even when they are dormant.

As the growing shoots emerge, I throw a handful of slow release and aged cow manure on top.

Sadly, the flowers of *C. formosanum* are short-lived, lasting only 7-10 days.

Mike Pieloor

### Grow native terrestrial orchids

Tubers of native terrestrial orchids can be ordered from the Australian Native Orchid Society Victoria about mid-November. More info at our November meeting.

## General Meeting, 5 September 2018

Members Present: 33; Apologies: 4; Visitors: none

Society President, Jane Wright, opened the meeting at 8:05 pm.

**Presentation – Jane Wright & Karen Groeneveld – an overview of the 21st AOCC**

Jane & Karen gave a short presentation, with photos of the displays at the 21st Australian Orchid Council Conference, held at Windsor, near Sydney, from 18 to 22 September 2018.

The Society entered a 2 x 2m display into the competition, using the 'paddlewheel' infrastructure that proved successful at Albury last year. Jane described the strategy used to populate the wheel with orchids, the key points being:

- Colour – attempting to feature warm colours (yellows, oranges and reds) on one side of the wheel and cool colours (pink, white, purple) on the other;
- Placing the taller, colourful, specimen plants at the top (sometimes lower-quality plants with the right colour can be usefully used in this way);
- Placing the smaller flowers at eye level, and ensuring that the top-quality plants are easily visible to judges;
- Grouping the smaller species plants to enhance their presentation and provide some thematic consistency – eg one tray featuring pleurothallids and another featuring native terrestrials worked well to show off Canberra's strengths in growing the unusual;
- Providing colour 'cross-overs' to connect the two halves of the wheel and draw the eye up and across all the plants;
- Achieving a colour balance is important, but aesthetic goals need to be balanced against practical considerations, such as ensuring that each plant is presented at its best and accessible to the judges;
- All this, whilst using what plants are available on the day!
- Pots were concealed with scrunched black paper and 'filler' plants such as spider plants and ferns. Spanish moss was used to give the impression of foam coming from the waterwheel.
- Each plant has to be labelled, and we've found that printing plant names on green card very effective – the tags are uniform, and names are easily readable, whilst not standing out too much.

Teamwork is very important in putting together a display like this – some organising tags, while others place plants. A group of critical onlookers is essential, as the display takes shape!

Despite being able to accommodate only a limited number of plants in the wheel structure, the Society still came away with many first and second prizes and a number of champions!

Jane & Karen also showed photos of the wide range of other displays – many larger than ours, smaller table-top displays, Ikebana, craft and photography – and of some of the more interesting individual plants in other displays.

Featured at the 21st AOCC, and locked up in a glass case, were two specimens of an extremely rare blue *Phalenopsis*, recently developed in Japan. Jane gave an overview of the paper presented at the AOCC by Masahiro MII and Dong Poh CHIN of Chiba University, Japan:

Although many colours, including purples, have been produced by conventional cross-breeding, no-one has succeeded in producing a truly blue *Phalaenopsis*. Genetic modification has been used previously to successfully introduce disease resistance and dwarfism into *Phalaenopsis* cultivars, so the authors decided to try gene transfer to introduce a gene for blue colouring into *Phalaenopsis*. A gene that produces the blue colouring in *Commelina communis* (Asiatic dayflower) was isolated. *Dtps*. Wedding Promenade was selected as the target *Phalaenopsis* for the gene transfer, because it has a long flowering period and is a triploid (sterile) cultivar: it was considered that, without the capacity to set seed, there would be less chance of dispersal of the transgene into the environment, so it would be more publicly acceptable and a better prospect for commercialization. The blue gene isolated from *Commelina* was introduced into a bacteria which was used to infect a mass of *Phalaenopsis* embryos, cultured in the lab, thereby transferring the blue gene into the *Phalaenopsis* cells. The embryonic cell culture was grown on to produce plants. In 2018, some 20 plants flowered a pure blue.

Before the break, Jane presented awards won at the AOCC by Nita Wheeler, Mark Clements, Karen Groeneveld and herself.

Following the break, Jane Wright gave a presentation on **Preparation of plants for the upcoming Annual Orchid Society Show**:

The goal is to ensure your plant looks well grown and to present its flowers at their best so they can be easily seen and appreciated by judges and the public:

- Tidy up the plant by taking off old flower spikes and dead leaves. If necessary, top-up the surface of the pot with clean bark or other medium (such as Spanish moss) to freshen the appearance.
- If flower spikes need staking, ensure that they are tied just below the ovary or below the lowest flower. Don't attempt to cover up where a flower has fallen off, as this is not appreciated by judges. When staking flower spikes, move them back and up, so that the flowers 'look up'.
- Staging – place pots into attractive cover pots. Lift pots up onto stands if it helps to show the flowers off well.
  Jane encouraged members to consider entering a display – a number of small display options are available for those who aren't interested in attempting a larger table display, including:
- 4 plants of different kinds in themed pots (eg 4 different plants, each in a similar pot, such as cork or terracotta pots)
- 4 plants of the same kind (eg 4 from the same orchid group)
- A number of plants in a container

Details are to be found in the Schedule, which Bill Ferris has emailed to members, or it's on the Society's website. Registrations for entries need to be emailed to Jane Wright by the Tuesday evening before the show. Plants can be brought into the venue for setup after 11am on the Friday – judging will be on Friday evening. If you are planning to sell plants on the sales table at the show, ensure you include – in each pot – a tag with your name clearly written and the price. The Society takes a 10% commission on sales and the tag is used to record sales. Placing an extra tag with a photo of the flowering plant (if it's not in flower) will help plants move.

**Judges' Choice - Hybrid** October *Sarcochilus* Fizzy Dove grown by Rob Rough [photo: Zoe Groeneveld]

Jane asked members to please consider volunteering for jobs at the Show, including door ticket sellers, sales table, plant creche and floor walkers – the Show's success depends on members contributing their time and energy. Flyers are available – please take some and distribute. Jane also explained how the raffle would work differently this year, and that the door price had been reduced to a flat rate of $2 (no separate concession rate; free entry for children under 14) – designed to streamline entry, particularly during the busy periods. The show will open at 10am on Saturday, with volunteer helpers able to enter from 9:30am. A dinner at the AFC had been organised for

Saturday night and all members were welcome to attend (at own cost).

**Minutes of previous meetings** (published in the Bulletin): Accepted: Nita Wheeler moved & Andrea Robold seconded.

**Secretary's report:**

The report was held over from last meeting. Received since the July meeting:

- A number of orchid journals – please see the Librarian if you wish to borrow any of these.
- Correspondence for the Treasurer from the Commonwealth Bank and the accountants.

Advice from the Southern Highlands Orchid Society that they will be having their annual Orchid and Plant Show at Mittagong RSL Club on Saturday 15 September – flyers available to take if you are interested.

Letters and information packs have been sent to the judges who will be judging at our annual Show on 21 September. Welcome letters have also been sent to new members.

**Treasurer's Report:**

Current balance: $26,222.10. This will reduce once the payment for Hall rental arrears has cleared. In the lead-up to the show we will also need to withdraw a float for the sales table and door entry/raffle sales. The 'square' credit card facility has been tested and is working well.

Secretary's & Treasurer's Report accepted: Anne McKenzie moved & Ben Wallace seconded

**Other business:**

1. The Canberra Horticultural Show is on next weekend (the weekend before our show). Members are encouraged to put plants into the Hort show, as it provides a bit of advertising for our upcoming show.

The Society's library cabinet needs replacing as it was damaged during a break-in a few years ago. We also need a larger cabinet (and in fact, the only modern options available are larger than the existing cabinet), but the church is not amenable to rearranging the room behind the kitchen to facilitate a new, larger cabinet. If we want to keep the Society library, then without the library cabinet, this venue will no longer suit our needs. The Committee has been considering alternative venues, and the most suitable would seem to be a community hall in Narrabundah. However, discussions are continuing with the church in the hopes that we might avoid the upheaval of a change of venue, and the Committee will keep members posted.

**Next meeting:** *Wednesday* 3 October – the topic will be 'Growing Phalaenopsis' by Jane Wright, with discussion and contributions by other members.

Meeting closed: 10:07 pm

**Terrestrial orchid repotting workshop – Sunday 9 December, 1:30pm**

A terrestrial orchid repotting workshop will be held on Sunday 9 December at Karen Groeneveld's place in Queanbeyan (112 Tharwa Rd) from 1:30pm. Bring along terrestrials that have died down for the summer and need repotting (you can also bring those that are in the process of dying down but not yet completely dormant). If you haven't yet got into terrestrials but would like to try, we will have some pots of *Pterostylis cur**ta*** **to break up and share – this is an easy species to gr**ow and a good one to begin with. If you plan to order terrestrial tubers from the ANOS tuber bank (details at the November meeting), come along and learn how to pot up your tubers when they arrive in January. The Society will provide potting mix and some pots will be available.

## General Meeting, 3 October 2018

Members Present: 39; Apologies: 5; Visitors: 5

Society President, Jane Wright, opened the meeting at 8:00pm, and welcomed all present, including a good number of new members and visitors.

**Presentation – Jane Wright: Growing *Phalaenopsis***

Jane gave a presentation on growing *Phlaenopsis*, commencing with some background information on the species that make up the popular hybrids, including how they grow in the wild, which can help inform how we grow their hybrid offspring in cultivation.

*Phalaenopsis* is a variable genus of about 100 species and natural hybrids. Hybridisation and selective breeding has focussed largely on producing longer, arching flower spikes and rounder flowers in a variety of colours. There are now more than 35,000 named *Phalaenopsis* hybrids.

The white-flowered *Phalaenopsis amabilis* is the main species used in producing the hybrids that are increasingly available at supermarkets, garden/hardware stores and nurseries. *Phalaenopsis schilleriana* and/or *P. sanderiana* have been used in breeding programs to introduce pink-coloured forms; *P. fasciata* has been used to introduce yellows. These early crosses are generally backcrossed with the white forms to improve flower shape whilst retaining the new colour forms. Smaller species, such as *P. equestris* and *P. lindenii* have been used to produce

miniature hybrids. Other breeding trends have focussed on achieving equal segments; peloric forms (where the labellum and petals resemble each other – where the lip takes on the shape of the petals, or the petals take on the shape of the labellum); and spots and stripes, with the latest craze being the Harlequin forms with deep blotches and spots.

We should look to how *Phalaenopsis* grow in nature for clues as to what they need to grow well, then try to give them what they need, within the constraints of our own growing situation. *Phalaenopsis amabilis* is a native of Papua New Guinea, where it grows at around 700m elevation on the verge of the forest. It commonly grows in the lower branches of trees where it is quite shady. To compensate for the lower light levels, *Phalaenopsis* are able to photosynthesise through their roots as well as the leaves, so are best grown in transparent pots. Semi-shade is best.

Growing in trees in their natural, tropical habitat *Phalaenopsis* will be exposed to alternately wet and dry conditions, with plenty of air flowing around the leaves and roots. The thick velamin coating on the roots is designed to absorb water when it becomes available and to hold onto it, so water *Phalaenopsis* well, then allow them to dry out before watering again. Plants often grow downwards, so the water runs away from the tip, preventing rot – often it's a good idea to pot them up on a 'lean', so that the crown is less inclined to rot (important in monopodial plants, in which there is a single crown from which new leaves emerge).

*Phalaenopsis* like warm conditions. It used to be thought that the difference between maximum daytime and minimum night-time growing temperatures was the most important factor in initiating flowering in *Phalaenopsis*, but researchers now believe that it's not that simple. It appears that, for the white, pink and purple varieties, it's the upper temperature that is most important – they tend to initiate flowering after 10-14 days of an average temperature about 5-9$^{o}$C lower than at which they had been growing; but several hours above 29$^{o}$C in the daytime will inhibit spike initiation, even if the night-time temperature is low. Once plants have initiated inflorescences, they will flower in 10-15 weeks when grown at 20-23$^{o}$C. The yellow, orange and red varieties don't respond in the same way and seem to prefer a constant high temperature. Jane will look into this some more and write something up for the Bulletin.

Group discussion then turned to the varying methods employed by members to grow *Phalaenopsis*.

Many *Phalaenopsis* plants purchased from stores such as Bunnings come potted into sphagnum. This works well if, like Mark Fraser, you grow your plants inside the house and water carefully and less frequently. Sphagnum can help keep the humidity up, but if overwatered, can easily lead to root rot. Conversely, if it's allowed to dry out, it can become water-repellent, and must be rehydrated slowly and carefully. Mark grows his *Phalaenopsis* on an easterly-facing window during the cooler months, where plants in sphagnum are watered with small amounts of water every 2-3 days. In summer, Mark moves the *Phalaenopsis* to his cool greenhouse where they get misted frequently, but watered much less often (it can be 10-14 days between waterings).

Jane Wright uses bark in clear pots – this is because she likes to water (and grows plants in a greenhouse with an automatic watering system), so plants get wet more frequently and are able to drain freely. Clear pots gives the roots access to light so they can photosynthesise.

**Judges' Choice - Hybrid September** *Epidendrum* Wedding Valley grown by Karen Groeneveld
[photo: Zoe Groeneveld]

Mike Pieloor uses passive hydroponics to grow his *Phalaenopsis.* Plants are grown in inorganic clay balls in plastic containers that have holes drilled about 2cm up from the bottom of the pot. The base of the pot acts as a water reservoir, with the water wicking up through the balls to the roots of the plants. Potting into an inorganic medium means that these plants need to have fertiliser added more frequently than plants grown in sphagnum or bark.

Ben Walcott grows his *Phalaenopsis* in sphagnum inside his house. The pots are placed on trays of gravel. Only the gravel is watered and the sphagnum draws the water up into the pot through the base. Ben ensures a minimum temperature of 15$^{o}$C. This helps avoid spotting on the leaves and flowers – when the air gets cold, water condenses out and sits on leaves and flowers where it encourages the growth of Botrytis and other bacterial rots.

As discussed earlier, flower spikes can generally be initiated by lowering the maximum temperature a bit for 5-10 days. Once spikes appear, they can be encouraged by increasing temperatures (within limits), increased watering and fertiliser. Don't cut flower spikes off after they finish flowering, as they will often re-sprout to produce more flowers. When the primary spike is exhausted and had started to die back, cut it off above the bottom few buds, and it may initiate secondary spikes.

Jane rounded off discussion by commenting on the fact that it's very difficult to find named varieties of *Phalaenopsis* now, as no-one in Australia is breeding *Phalaenopsis* commercially any more. Instead, almost all plants are imported from Taiwan as unnamed varieties – with a large gene pool of excellent selections to choose from, varieties are mericloned (grown by tissue culture) and churned out in enormous quantities for export and sale in retail stores.

**Treasurer's report:**

Balance as at 1 October 2018 - $30,131.32

From a financial perspective this year's annual show (22-23 Sept) was a success, as the Society made approximately $2500, not including the cost of plants the society sold which were not factored into the show summary. Sales were strong across our vendors, members and the Society. Over $1300 of Society plants were sold, meaning that the committee members who have been maintaining these now have some welcome free space in their greenhouses!

Visitor numbers were commensurate with last year with just under 1000 people through the door. No negative feedback was received on the $2.00 flat fee for entrance and it certainly made managing the door easier.

Book sales were up from last year from 45 to 51 and while the raffle profits were down on last year, the new format of quick draw and vouchers for prizes, meant that winnings were recycled through the sales tables and there was no need for after-show delivery of plants to winners. So quite successful, when all considered.

A more detailed financial breakdown will be presented in a Show report in the next Bulletin.

Treasurer's Report accepted: Ben Wallace moved & Jim Wheeler seconded.

The President observed that of the 22 members who entered plants into this year's show, 11 won champions, and within the champion plants, all but the 'Best Hybrid' were species. Surely a measure of our club's outstanding diversity.

**Secretary's report:**

Received this month:

- Notice from the Revesby Workers Australian Native Orchid Club of their Sarcochilus Show on Saturday 20 October. Brochures provided for members.
- The RHS Victoria's *Gardener's Gazette*
- Bank correspondence for the Treasurer

Secretary's Report accepted: Andrea Robold moved & Peter Coyne seconded

**Other Business**

1. Rob Rough kindly donated a specimen-sized plant of Coelogyne 'Unchained Melody' to the first person to join the Society as a result of our recent Show. The plant goes to Gwen Shirlow, who is not here tonight. Congratulations, Gwen.
2. Popular vote tonight – orchid of the night: *Cypripedium formosanum*, grown by Mike Pieloor. Mike purchased the plant from Lynn's Rare Plants and has found it tricky to grow. Native to forests and bogs in the mountains of Taiwan, it doesn't like temperatures above 30$^{o}$C, so Mike grows it in terracotta to help keep it cool. He also avoids organic matter in

the growing medium, finding that a mix of inorganic materials (including, pearlite, clay balls, sand) works for him. The pot is primarily watered from below (allowing water to wick up into the pot), but is also trickled around the plant once it's out of dormancy – taking care to avoid wetting the foliage. Fertilising is restricted to the period between appearance of the flowers and their senescence; no fertiliser is applied for the rest of the year, for risk of encouraging rot. Thanks Mike – it's rare for us to see such an unusual, exotic terrestrial in flower.

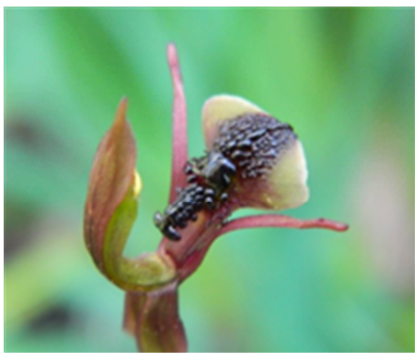
3. Upcoming activities –
   a. Next meeting will be a talk/group discussion on growing Australian native orchids. Peter Coyne and Karen Groeneveld will talk about growing terrestrials, and members will have the opportunity to purchase orchid tubers through the ANOS tuber bank a bit later in the year. Bill Ferris will talk about growing the easier Australian epiphytic orchids, namely, Thelychitons and Dockrillias.
   b. There will be a repotting workshop at the home of Karen Groeneveld in Queanbeyan on Sunday 18 November. This is aimed at newer members, in particular, but all members are welcome. Please bring along orchids that you want help with repotting, and there will likely be an orchid or two that will be divided and repotted as well. Details in the Bulletin.
   c. The December meeting will be the Christmas Party, with the usual range of fun quizzes and a plant give-away. Everyone brings a plate of food to share.
4. The Society will be reprising the water wheel display at the Southern Orchid Spectacular in Sydney this weekend. Set-up is tomorrow, and flowering plants suitable for display will need to be taken by one of the 'presentation committee' tonight, please.

**Next meeting:** Wednesday 7 November. Topic: *Growing native terrestrials and epiphytes*.

Meeting closed: 10:05 pm

## Coming up —Australian native terrestrial orchids

At November meeting, mid-November orders taken for tubers, 9 December workshop on potting



Plants grown, and photos, by Peter Coyne

## Popular Vote - September 2018

| Category | Plant | Owner |
|---|---|---|
| **NOVICE** | *Masdevallia Copper Wing* | Chris Szigetvari |
| **OPEN** | | |
| Laeliinae species | *Epidendrum stamfordianum* | Mike Pieloor |
| Laeliinae hybrid | *Epidendrum* Wedding Valley | Karen Groeneveld |
| | *Arpophyllum spicatum* | Mark Clements |
| *Paphiopedilum* | *Paphiopedilum* Saint Swithin | David Judge |
| *Cymbidium* | *Cymbidium* name unknown | Bob Forrester |
| Bulbophyllum Alliance | *Bulbophyllum wallichii* | Karen Groeneveld |
| Vandaceous Alliance | *Phalaenopsis lobbii* | Jane Wright |
| *Coelogyne* | *Coelogyne* Unchained Melody | Ben Wallace |
| Exotic *Dendrobium* species | *Dendrobium chrysotoxum* | Mark Clements |
| Exotic *Dendrobium* hybrid | *Dendrobium* unknown '#2 white' | Karen Groeneveld |
| Pleurothallidinae | *Pleurothallis gargantua* | Jane Wright |
| Maxillariinae | *Maxillaria juergensii* | Karen Groeneveld |
| Australian Native species | *Dockrillia chordiformis* | Mark Clements |
| Australian Native hybrid | *Dendrobium* Australian Rhubarb Pie | Mike Pieloor |
| Terrestrial: Exotic | *Serapias neglecta* | Mark Clements |
| Terrestrial: Australian Native | *Joensiopsis filamentosa* | Nita Wheeler |
| Any other species | *Ancistrochilus rothschildianus* | Mark Clements |
| | | |
| Orchid of the Night | *Dockrillia chordiformis* | Mark Clements |
| | | |
| Judges' Choice - Hybrid | *Epidendrum* Wedding Valley | Karen Groeneveld |
| Judges' Choice - Species | *Bulbophyllum wallichii* | Karen Groeneveld |
| Judges' Choice - Specimen | *Dockrillia chordiformis* | Mark Clements |

## Popular Vote - October 2018

| Category | Plant | Owner |
|---|---|---|
| **NOVICE** | *Rhyncattleanthe* Young Min Orange | Andrea Robold |
| **OPEN** | | |
| Laeliinae | *Cattlianthe* Trick or Treat | Rob Rough |
| *Cypripedium* | *Cypripedium formosanum* | Mike Pieloor |
| *Bulbophyllum* | *Bulbophyllum picturatum* | Mark Fraser |
| *Phalaenopsis* | *Phalaenopsis* hybrid unknown | Tony Tritschler |
| *Coelogyne* | *Coelogyne cristata* | Bob Forrester |
| Exotic *Dendrobium* species | *Dendrobium spectabile* | Ken Turner |
| Australian Native: *Sarcochilus* | *Sarcochilus* Fizzy Dove | Rob Rough |
| Australian Native species | *Dockrillia linguiformis* | Bill Ferris |
| | *Thelychiton kingianus* | Diana Herrald |
| Australian Native hybrid | *Dendrobium* Australian Artist | Brian Dear |
| Terrestrial: Australian Native | *Arachnorchis amnicola* | Nita Wheeler |
| Any other orchid | *Cymbidium* Ruby Pendant 'Red Cascade' | Bob Forrester |
| | | |
| Orchid of the Night | *Cypripedium formosanum* | Mike Pieloor |
| | | |
| Judges' Choice - Hybrid | *Sarcochilus* Fizzy Dove | Rob Rough |
| Judges' Choice - Species | *Cypripedium formosanum* | Mike Pieloor |
| Judges' Choice - Specimen | *Dendrobium* Coolart Sunshine | Bill Ferris |

## Show Champions

| Championship | Plant | Owner |
|---|---|---|
| Champion Display | Display: "Menin Gate at Midnight - Commemorating the Centenary of the end of WWI" | Karen Groeneveld |
| Champion Orchid of the Show | *Paphiopedilum rothschildianum* 'Western Springs' x 'Janet' FCC/AOS | David Judge |
| Champion Species Orchid | *Paphiopedilum rothschildianum* 'Western Springs' x 'Janet' FCC/AOS | David Judge |
| Champion Hybrid Orchid | *Cattlianthe* Trick or Treat 'Orange Beauty' | Rob and Audrey Rough |
| Champion Australian Native | *Sarcochilus parviflorus* | Mark Clements |
| Champion Cymbidium | *Cymbidium* hybrid unknown | Brian Dear |
| Champion Laeliinae | *Cattleya coccinea* | Scott Mann |
| Champion Cypripedioideae | *Paphiopedilum rothschildianum* 'Western Springs' x 'Janet' FCC/AOS | David Judge |
| Champion Vandeae | *Phalaenopsis lobbii* | Jane Wright |
| Champion Oncidiinae | *Oncidium maculatum* | Ben Walcott |
| Champion Pleurothallidinae | *Acianthera bragae* | Mark Clements |
| Champion Any Other Orchid | *Lycaste skinneri* | Karen Groeneveld |
| Champion Miniature Orchid | *Schoenorchis juncifolia* | Karen Groeneveld |
| Champion Specimen Orchid | *Coelogyne* Unchained Melody | Peter Coyne |
| Champion Seedling | *Cattleya coccinea* | Scott Mann |
| Best Orchid Benched by a Novice Club Member | *Cymbidium* hybrid unknown | Brian Dear |
| Popular Vote | *Callista thyrsiflora* | Mark Clements |
| Best Exhibit: Art, Craft, Photography | Oncidium Alliance | Sylvia Adcock |
| Most Successful Exhibitor | | Jane Wright |

## Show Class Winners

| Class | Description | | Plant | Owner |
|---|---|---|---|---|
| **DISPLAYS** | | | | |
| 1 | Tabletop with backdrop - large | 1 | Display: "Menin Gate at Midnight - Commemorating the Centenary of the end of WWI" | Karen Groeneveld |
| | | 2 | Display | Rob and Audrey Rough |
| 3 | Tabletop in container | 1 | Orchids in a container | Jane Wright |
| **OPEN CLASSES** | | | | |
| **Australian Native Orchid** | | | | |
| 4 | Dockrillia species | 1 | *Dockrillia teretifolia* | Craig Allen |
| | | 2 | *Dockrillia schoenina* | Karen Groeneveld |
| 5 | Dockrillia hybrid | 1 | *Dockrillia* Anthedon Splendour | Craig Allen |
| 6 | Thelychiton kingianus species | 1 | *Thelychiton kingianus* 'Black Gold' | Rob and Audrey Rough |
| 7 | Thelychiton speciosus complex species | 1 | *Thelychiton speciosus* 'Larcom Gold' x 'Kroombit Gold' | David Judge |
| | | 2 | *Thelychiton speciosus* 'Kroombit Tops' | David Judge |
| 8 | Other Australian Dendrobiinae and Grastidiinae species | 1 | *Tetrabaculum tetragonum* | Bill Ferris |
| | | 2 | *Dendrobium aemulum* | Craig Allen |

| | | | | |
|---|---|---|---|---|
| 9b | Australian Dendrobium hybrid small flowers | 1 | *Dendrobium* Delicate Bride | Robert Forrester |
| | | 2 | *Thelychiton* Yondi x *jonesii* 'Magnificum' | Ben Wallace |
| 10 | Monopodial Vandaceous species | 1 | *Sarcochilus parviflorus* | Mark Clements |
| 11 | Monopodial Vandaceous hybrid | 1 | *Sarcochilus* Burgundy on Ice | Rob and Audrey Rough |
| | | 2 | *Sarcochilus* Judith 'Snowy' | Rob and Audrey Rough |
| 12 | Other Australian epiphytic species | 1 | *Cymbidium canaliculatum* var. *sparkesii* | Jane Wright |
| 14a | Australian Terrestrial Species - Pterostylis | 1 | *Pterostylis curta* | Peter Coyne |
| | | 2 | *Pterostylis baptistii* | Mark Clements |
| 14b | Australian Terrestrial Species - Caladenia | 1 | *Caladenia quadrifera* | Mark Clements |
| | | 2 | *Caladenia pectinata* | Mark Clements |
| 14c | Australian Terrestrial Species - Other genera | 1 | *Myrmechila platyptera* | Bill Ferris |
| | | 2 | *Lyperanthus suaveolens* | Mark Clements |
| 16 | Best Australian miniature | 1 | *Myrmechila platyptera* | Bill Ferris |
| 18 | Best Australian specimen | 1 | *Pterostylis curta* | Peter Coyne |
| **Cymbidium** | | | | |
| 19 | Cymbidium Species | 1 | *Cymbidium dayanum* | Jane Wright |
| 20b | Cymbidium Hybrid - flowers >90mm | 1 | *Cymbidium* unknown hybrid | Robert Forrester |
| 20d | Cymbidium Hybrid - flowers <60mm | 1 | *Cymbidium* Ruby Pendant 'Red Cascade' | Robert Forrester |
| **Laeliinae** | | | | |
| 24a | Laeliinae Species - flowers >120mm | 1 | *Cattleya maxima* | Mark Clements |
| 24b | Laeliinae Species - flowers 70 - 120mm | 1 | *Cattleya intermedia* var. *flammea* | Rob and Audrey Rough |
| | | 2 | *Cattleya intermedia* var. *flammea* | Rob and Audrey Rough |
| 24c | Laeliinae Species - flowers 50 -70mm | 1 | *Cattleya coccinea* | Scott Mann |
| | | 2 | *Cattleya intermedia* | Mark Clements |
| 24d | Laeliinae Species -flowers <50mm | 1 | *Cattleya crispata* | Ben Walcott |
| | | 2 | *Oerstedella centropetala* | Karen Groeneveld |
| 25c | Laeliinae Hybrid: Exhibition shape - flowers <70mm | 1 | *Cattleya* Dendi's Charm | Mark Fraser and Sandra Corbett |
| 26a | Laeliinae Hybrid: Other shape - flowers >110mm | 1 | *Cattleya* Destiny 'Tywood' X Cattleya Horace 'Maxima' | Ben Walcott |
| | | 2 | *Cattleya* Claesiana | Rob and Audrey Rough |
| 26b | Laeliinae Hybrid: Other shape - flowers 70 - 110mm | 1 | *Rhyncatteanthe* Bua Luang | Rob and Audrey Rough |
| | | 2 | *Cattleya* Dal's Tradition | Rob and Audrey Rough |
| 26c | Laeliinae Hybrid: Other shape - flowers <70mm | 1 | *Cattleya cernua* x Pink Flash 'Mini Sun' | Karen Groeneveld |
| 27 | Laeliinae Hybrid: Cluster flowers | 1 | *Cattlianthe* Trick or Treat 'Orange Beauty' | Rob and Audrey Rough |
| | | 2 | *Epidendrum* Wedding Valley 'Sakura' | Karen Groeneveld |
| 30 | Laeliinae: Best specimen | 1 | *Epidendrum* Wedding Valley 'Sakura' | Karen Groeneveld |
| **Cypripedioideae** | | | | |
| 31a | Cypripedioideae Species: *Paphiopedilum* | 1 | *Paphiopedilum rothschildianum* 'Western Springs' x 'Janet' FCC/AOS | David Judge |
| | | 2 | *Paphiopedilum haynaldianum* | David Judge |
| 32a | Cypripedioideae Hybrid: round flower >70mm | 1 | *Paphiopedilum* Wagon Train | David Judge |
| | | 2 | *Paphiopedilum* Startler x Pure Spirit | Ben Walcott |

| | | | | |
|---|---|---|---|---|
| 32d | Cypripedioideae Hybrid: Multifloral | 1 | *Paphiopedilum* Bel Royal | David Judge |
| | | 2 | *Paphiopedilum* Julius | David Judge |
| 32f | Cypripedioideae Hybrid: Phragmipedium | 1 | *Phragmipedium* Grande | David Judge |
| 35 | Best Cypripedioideae specimen | 1 | *Paphiopedilum phillipinense* | David Judge |
| **Monopodial Vandeae** | | | | |
| 36a | Vandeae Species: Phalaenopsis | 1 | *Phalaenopsis lobbii* | Jane Wright |
| | | 2 | *Phalaenopsis lobbii* | Jane Wright |
| 36b | Vandeae Species: Other - flowers >50mm | 1 | *Angraecum sesquipedale* | Mark Clements |
| 36c | Vandeae Species: Other - flowers 15 - 50mm | 1 | *Trichoglottis geminata* | Mark Clements |
| | | 2 | *Vanda coerulescens* | Ben Wallace |
| 36d | Vandeae Species: Other - flowers <15mm | 1 | *Schoenorchis juncifolia* | Karen Groeneveld |
| | | 2 | *Schoenorchis paniculata* | Mark Fraser and Sandra Corbett |
| 37a | Phalaenopsis Hybrid: Standard | 1 | *Phalaenopsis* Chian Xen Angel 'CX251' | David Judge |
| | | 2 | *Phalaenopsis* I-Hsin Honey | Jane Wright |
| 37b | Phalaenopsis Hybrid: Novelty | 1 | *Phalaenopsis* Dendi's Art | Mark Fraser and Sandra Corbett |
| 37c | Phalaenopsis Hybrid: Miniature/multifloral | 1 | *Phalaenopsis* hybrid unknown | Craig Allen |
| | | 2 | *Phalaenopsis* unknown hybrid | Karen Groeneveld |
| 37d | Phalaenopsis Hybrid: Peloric | 1 | *Phalaenopsis* Sasquatch ‘Dendi’ | Ben Walcott |
| | | 2 | *Phalaenopsis* Sasquatch 'Dendi' | Jane Wright |
| 37e | Phalaenopsis Hybrid: Harlequin | 1 | *Phalaenopsis* hybrid unknown | Jane Wright |
| | | 2 | *Phalaenopsis* Chian Xen Violin 'CX331' | David Judge |
| 39 | Other Vandaceous Hybrid: Non-classical flowers | 1 | *Vanda hastata* x *tessellata* | Jane Wright |
| | | 2 | *Papilionanthe* Mundyi | Jane Wright |
| 40 | Best Vandaea miniature | 1 | *Schoenorchis juncifolia* | Karen Groeneveld |
| 42 | Best Vandaea Specimen | 1 | *Schoenorchis paniculata* | Mark Fraser and Sandra Corbett |
| **Oncidiinae** | | | | |
| 43d | Oncidiinae Species: Flowers <40mm | 1 | *Oncidium maculatum* | Ben Walcott |
| 44d | Oncidiinae Hybrid: Flowers <40mm | 1 | *Oncidium* Sarcatum | David Judge |
| 47 | Best Oncidiinae Specimen | 1 | *Oncidium maculatum* | Ben Walcott |
| **Pleurothallidinae** | | | | |
| 48a | Pleurothallidinae Species: Masdevallia | 1 | *Masdevallia caesia* | Jane Wright |
| 48b | Pleurothallidinae Species: Restrepia | 1 | *Restrepia schlimii* | Jane Wright |
| | | 2 | *Restrepia guttulata* 'Pink' | Jane Wright |
| 48c | Pleurothallidinae Species: Other | 1 | *Acianthera bragae* | Mark Clements |
| | | 2 | *Pleurothallis cordata* | Jane Wright |
| 49a | Pleurothallidinae Hybrid: Flowers >25mm | 1 | *Masdevallia* Stephanie MacNeill | Jane Wright |
| | | 2 | *Masdevallia* Stripe King 'Beenak' | Jane Wright |
| 50 | Best Pleurothallidinae miniature | 1 | *Pleurothallis cordata* | Jane Wright |
| **Other Orchid** | | | | |
| 53a | Dendrobiinae Species: Softcane | 1 | *Dendrobium aphyllum* | Mark Clements |
| | | 2 | *Dendrobium nobile* | Karen Groeneveld |

| | | | | |
|---|---|---|---|---|
| 53b | Dendrobiinae Species: Vappodes/Phalaenanthe | 1 | *Durabaculum veratrifolium* | Mark Clements |
| | | 2 | *Durabaculum tangerinum* | Mark Clements |
| 53c | Dendrobiinae Species: Other | 1 | *Froscula bellatulum* | Karen Groeneveld |
| | | 2 | *Callista thyrsiflora* | Mark Clements |
| 54a | Dendrobiinae Hybrid: Softcane | 1 | *Dendrobium* unknown hybrid | Karen Groeneveld |
| | | 2 | *Dendrobium* unknown hybrid | Karen Groeneveld |
| 55a | Coelogyninae Species: Coelogyne | 1 | *Coelogyne cristata* | Robert Forrester |
| | | 2 | *Coelogyne nitida* | Mark Clements |
| 56a | Coelogninae Hybrid: Coelogyne | 1 | *Coelogyne* Unchained Melody | Peter Coyne |
| | | 2 | *Coelogyne* Unchained Melody | Rob and Audrey Rough |
| 57a | Bulbophyllinae Species: Flowers >30mm | 1 | *Bulbophyllum wallichii* | Karen Groeneveld |
| | | 2 | *Bulbophyllum sulawesii* | Jane Wright |
| 57b | Bulbophyllinae Species: Flowers <30mm | 1 | *Bulbophyllum ambrosia* | Bill Ferris |
| 59a | Other Epiphytic Species: Flowers >50mm | 1 | *Lycaste skinneri* | Karen Groeneveld |
| 59b | Other Epiphytic Species: Flowers 25 - 50mm | 1 | *Maxillaria porphyrostele* | Bill Ferris |
| | | 2 | *Maxillaria picta* | Bill Ferris |
| 59c | Other Epiphytic Species: Flowers <25mm | 1 | *Maxillaria variabilis* | Karen Groeneveld |
| | | 2 | *Mediocalcar bifolium* | Mark Clements |
| 61a | Other Terrestrial Species: Flowers >50mm | 1 | *Arundina graminifolia* | Mark Clements |
| 61b | Other Terrestrial Species: Flowers 25 - 50mm | 1 | *Satyrium odora* | Mark Clements |
| 61c | Other Terrestrial Species: Flowers <25mm | 1 | *Serapias neglecta* | Mark Clements |
| | | 2 | *Pterogodium catholicum* | Mark Clements |
| 62a | Other Terrestrial Hybrid: Flowers >50mm | 1 | *Phaiocalanthe* Kryptonite 'Chariot of Fire' | Jane Wright |
| | | 2 | *Phaius* Lady Ramona Harris 'Looking@You' | Jane Wright |
| 63 | Best Other Orchid miniature | 1 | *Maxillaria variabilis* | Karen Groeneveld |
| 64 | Best Other Orchid Seedling | 1 | *Dendrobium sanderae* var *major* | Mark Fraser and Sandra Corbett |
| 65 | Best Other Orchid Specimen | 1 | *Coelogyne* Unchained Melody | Peter Coyne |
| **NOVICE CLASSES** | | | | |
| **Australian Native** | | | | |
| 66 | Australian Dendrobium Species | 1 | *Dockrillia fairfaxii* | Mike Pieloor |
| | | 2 | *Thelychiton speciosus* | Mike Pieloor |
| 67 | Australian Dendrobium Hybrid | 1 | *Dendrobium* Balnarring | Brian Dear |
| 69 | Australian Terrestrial | 1 | *Caladenia latifolia* | Mike Pieloor |
| | | 2 | *Phaius tankervilleae* | Mike Pieloor |
| **Cymbidium** | | | | |
| 71d | Cymbidium Hybrid-flowers <60mm | 1 | *Cymbidium* hybrid unknown | Brian Dear |
| **Cypripedioidae** | | | | |
| 74 | Cypripedioidae Species | 1 | *Paphiopedilum esquirolei* | Mike Pieloor |
| **Pleurothallidinae** | | | | |
| 82 | Pleurothallidinae Hybrid | 1 | *Masdevallia* Copperwing | Chris Szigetvari |
| **Cultural Classes** | | | | |
| 87 | Best Novice Specimen | 1 | *Cymbidium* hybrid unknown | Brian Dear |

| ART, CRAFT AND PHOTOGRAPHY | | | | |
|---|---|---|---|---|
| 88 | Art | 1 | Oncidium Alliance | Sylvia Adcock |
| | | 2 | *Caleana major* | Zoe Groeneveld |
| 89 | Craft | 1 | *Caladenia Hairpin* | Zoe Groeneveld |
| | | 2 | Craft | Yvonne Day |
| 90a | Photography - Studio work | 1 | *Cyrtostylis robusta* | Mike Pieloor |
| | | 2 | *Paphiopedilum insigne* | Mike Pieloor |
| 90b | Photography - Field work | 1 | *Oligochaetochilus hamatus* | Mike Pieloor |
| | | 2 | *Caladenia atrovespa* | Mike Pieloor |
| 90c | Photography - Enhanced | 1 | *Bulbophyllum careyanum* | Mark Fraser |
| | | 2 | *Holcoglossum kimballianum* | Mark Fraser |