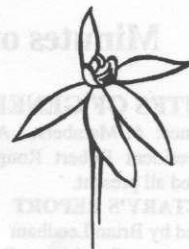


# Bulletin of the Orchid Society of Canberra, Inc.



GPO Box 612, Canberra, ACT, 2601, Australia

Volume 17, Number 5

September- October 2002

## Regular monthly meetings

Monthly meetings of the Society are held on the first Tuesday of each month (except January) in Room 1, Griffin Centre, Bunda Street, Civic. Meetings commence at 8:00pm with the library and trading table open from 7:30pm.

**3 September. Jane Wright: Preparation of plants for the show & pest control on orchids.**

**1 October. Ben Wallace. The World Orchid Congress in Malaysia, and/or plants seen on his recent trip to Borneo**

**5 November. Trevor Hughes on cymbidiums. Handing out trophies and certificates from the Spring Show.**

**3 December. Christmas Party**

## Orchid Society of Canberra Spring Show

5-6 October 2002, St John's Hall, Constitution Avenue, Reid. Set up 4 October. Judging 8-10:30 am 5 September. Open to the public Saturday 5 October 11am-5pm, Sunday 6 October 12noon - 4:30. Details inside pages 3&4.

## Coming events

### Horticultural Society of Canberra Shows:

**14-15 September. Spring Bulb and Camellia Show. NEW VENUE! Details inside, page 5.**

**2-3 November. Iris, Rhododendron and Azalea Show. Details in Nov/Dec bulletin.**

**16-17 November. Spring Exhibition and Rose Show. Details in Nov/Dec bulletin.**

### "Biodiversity Bites"

A series of free lectures on biodiversity research at the CSIRO, on the first Wednesday of Sept, Oct and Nov. Details inside on page 5.

### OSC walks to see native orchids

As usual, we will be organising a number of walks this season to look at native orchids. The dry season means that we may not see as much as normal, but on the other hand, last year's fires may convince some species to flower that we seldom see. We are considering a number of

interesting locales this year: Mt Tinderry, the Old Corn Road on Clyde Mtn, Tallaganda State Forest, The Brindabella Ranges, and in autumn - Mt Ginin, Pretty Beach or Booroomba Rocks. Register your interest in these walks with Robyn Noel and we will contact you as and when the orchids are good enough to visit!

## Orchid Shows

- Eurobadalla Show. Sept 6 (9-5) and Sept 7 (9-3), Community Centre, museum Place, Bateman's Bay.
- Sapphire Coast Society Spring Show. Sept 19-20 (9-5). Bega Town Hall, Bega.
- Griffith Orchid Society Spring Show. Sept 21 (11-5), Sept 22 (9-4:30). Wade High School, Pool St., Griffith.
- Wagga Wagga Orchid Society Spring Show. Sept 28 (10-5), Sept 29 (9-4). Sturt Public School, Lake Albert Rd.
- Albury/Wodonga /District Orchid Club Spring Show. Oct 12 (9-4), Oct 13 (9-4), Albury High School, Kibwa St., Albury.

## \*\*\*Trophy holders\*\*\*

In preparation for the Spring show, please bring all trophies (polished please!) to the September or October meetings or contact a committee member to make arrangements to return the trophies.

## Committee Members

President-	Jane Wright	6254 1119
Vice President-	Robert Rough	6258 6187
Treasurer-	Robyn Noel	6258 5734
Secretary-	Brian Leedham	6251 6621
Dean Carriage		6258 7698
Yvonne Day		6297 5162
Ben Wallace		6241 4277
Gerlinde Lenz		6288 7413
John Ryan		6254 3590

## Committee meetings

Now on the WED in the week following the general meeting. September-Brian Leedham; October - Jane Wright.

## Disclaimer

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## Minutes of general meetings

### MINUTES OF GENERAL MEETING 2 July 2002

Attendance: 47 Members, 1 Apology, 1 New Member (incl. in total).

Vice President Robert Rough opened the meeting at 8.04 p m, and welcomed all present.

#### SECRETARY'S REPORT

Presented by Brian Leedham

*Newsletters:* Sapphire Coast (June); Campbelltown (June); Albury/Wodonga (July); Gosford (June); OSNSW (June); Wagga Wagga (June); Miriam Ann Orchids (June/July)

*Publications:* Aust. Orchid Review (June/July); The Orchid Review (Jan/Feb to July/Aug); Orchids Aust (June); Orchid Digest (April/June); ANOS Vic (June/July).

*Catalogues:* P & R Orchids (Winter 2002)

*Correspondence:* COMSTAT (Invoice); Bank Statement; ANOS Vic (Subs. Renewal); AOS (membership card);

Eurobodalla (Winter Show Schedule); OSNSW (Judges Allocation -Spring Show); Gosford Orchid Spectacular (9-11 August).

The Secretary's report was accepted on the motion of Mark Fraser, seconded by Scott Fitzsimons.

#### TREASURER'S REPORT

Presented by Robert Rough in the temporary absence of Robyn Noel. Although he did not have a current balance available he assured members that it was healthy due to the continuing inflow of membership renewals.

The Treasurer's report was accepted on the motion of Mark Fraser, seconded by Ben Wallace.

#### SALES TABLE

John Ryan advised that there were several plants remaining from the Tinonee order which had been received last month.

#### LIBRARY

Laurie Woods spoke briefly on a number of recent acquisitions.

#### SPEAKER

Mark Fraser spoke on the cultural requirements of deciduous and semi-deciduous orchids, pointing out that the loss of leaves in these orchids is usually an indication that they are going into a hibernation which is related to the onset of harsh climatic conditions in their natural environment, and that this can happen at various times of the year in accordance with that natural environment. This is a survival technique developed over a considerable period of time, as a reaction to such hazards as a lack of water or light or excessive cold or heat. Sometimes it is a protection against being eaten by predators at particular times of the year. For example *Catasetums* store their strength for next season in their pseudo bulbs, but retain sharp spines at the top of the pseudo bulbs when they drop their leaves. Terrestrials rely upon underground tubers while dormant. Mark advised that it is important to know and understand the environmental requirements of the particular deciduous orchid you are attempting to grow. Mark demonstrated his talk with a series of slides illustrating the different approaches adopted by various deciduous orchids.

#### OTHER MATTERS

*Ben Wallace's Yunnan tour*

Judy Osborne advised that she and Kevin had accompanied Ben on his Yunnan tour, and that it had been an excellent trip where everyone involved had had a wonderful time. She strongly recommended the tour to any member who might be interested in joining a similar tour next year.

*New members' workshop*

Laurie Woods spoke about the workshop (and barbecue) to be held at his residence on 14 July. It is primarily for the benefit of new members, but all members are invited to attend. The main topic will be various approaches to the construction of orchid houses, and this will lead on to the open glasshouses on 11 August, where three members have adopted different approaches.

*Shoalhaven Winter Orchid Show*

Lyn Phelan advised that the Shoalhaven Club will conduct its Winter Show at Berri over the weekend of 6/7 July.

**Raffle:** Won by Pat Hewlings, Robert Rough and Don Chesher.

**Door Prize:** Won by Daphne Mahon

**Judges Choice:** *Paph. insigne* owned by Julie Smith, and *Odcdm. 'Crazy Horse'* X *Oda Robes* of Burgundy owned by Brian Phelan.

The Meeting closed at 9.50 p m.

### MINUTES OF GENERAL MEETING 6 AUGUST 2002

Attendance 42 Members, 9 Apologies, 1 New Member 1 Visitor.

President Jane Wright opened the meeting at 8.04 pm, and welcomed all present.

### SECRETARY'S REPORT

Presented by Brian Leedham

*Newsletters:* ANOS Vic. (Aug); Gosford (July); OSNSW (July); Sapphire Coast (July); Albury Wodonga (Aug); Miriam Ann Orchids (Aug).

*Publications:* The Alpine Gardener (June); Orchids AOS (May and June).

*Catalogues:* Woolf Orchidculture (Spring 2002); Johnston Orchids (2002).

*Correspondence:* Open Garden Scheme Guide (2002/03); Bank Statement; Membership renewals (2); ANOS Vic. (Membership renewal); OSNSW (Subs. request); Sapphire Coast (Winter Show Schedule); AOC (Membership renewal); AOC (re Liability Insurance); OSNSW (Meritorious Service Badge); Australian Choice (Sponsorship voucher); OSNSW (notice of meeting 31 August).

The Secretary's report was accepted on the motion of Sandra Corbett, seconded by Terry Turner.

### TREASURER'S REPORT

Presented by Robyn Noel. Balance at bank was \$6593.31. Robyn noted that membership renewals were still coming in, and that the main outgoings were Griffin Centre rent, production of the Bulletin, and the purchase of fertilisers and bark. There was also a payment to the Horticultural Society to cover prizes awarded to our orchid growers at their shows.

The Treasurer's report was accepted on the motion of Sandra Corbett, seconded by Terry Turner.

### SALES TABLE

The President noted that our guest speaker had brought some orchids for sale, and that there were also a number of interesting plants available on the sales table.

### OTHER MATTERS

Members who had attended the workshop at Laurie Woods' house advised that they had found it very rewarding. Laurie noted that the glasshouse he was constructing at the workshop was not yet finished, but it would shortly be available for any member who was interested. Jane extended her thanks to Laurie, on behalf of all members for the time he had devoted to the presentation of a series of workshops over several years. The open glasshouses on 11 August will provide an opportunity for members to observe the different methods adopted by three of our members for housing their orchids.

The President distributed a number of outstanding Popular Vote Certificates.

### GUEST SPEAKER

Our guest speaker was Dean Johnston from Johnston Orchids, South Australia. Dean noted that he has been growing orchids since he was a very young man. He joined an Orchid Society at 12 years of age, and left school early to join his family's orchid growing business. His main interest is *Paphiopedilums*, but he also grows *Phalaenopsis* and some species. He noted that apparently insurmountable quarantine problems have made it just too difficult to import *Paphiopedilums*, and his business (like many others) has ceased to import. He also noted that there is a growing emphasis on species types rather than the large-flowered complex hybrid types.

Dean suggested that, unless you are able to provide warmth (between 14 and 30 degrees), and humidity, it would be best to concentrate on the cool-growing species in Canberra. Leaves of the cooler-growing types tend to be a solid green in colour, whereas the warm-growing species tend to have leaves with a mottled colour. Malaysia, China, and Thailand are the natural locations for most *paph* species. It is important never to over-pot *paphs*. It is much better to under pot, and pot on as necessary, usually every two years. In some case every year may be better. He uses a mixture of bark, which must be of good grade with the fines removed, charcoal, crushed shell and polystyrene. Never use a slow release fertiliser, because the release rate cannot be controlled. Unfortunately, he said, complex *paphs* are the most unreliable orchid for the show bench that money can buy. They are prone to colour breaks and dents in their pouches, both of which are marked down by judges. Nevertheless they can provide great pleasure if grown well, and are long-lasting when in flower.

*Phalaenopsis*, Dean said, are one of the quickest growing orchids, but they need heat (14 degrees upwards - but 16 to 18 minimum is best). They also love high humidity (50 to 60% by day and 40 to 45% overnight). This makes them expensive orchids to grow. He mainly grows white *phalaenopsis*, and believes that a well-grown *phalaenopsis* is hard to beat in a show. He noted that there is not much call for the novelty *phalaenopsis*, which have only 2 or 3 flowers. *Phalaenopsis* are not amenable to division. Propagation is, therefore, by cloning or through seedlings. When re-potting *phalies* with aerial roots leave them outside the pot, because they will die and rot if placed in the mix. Unfortunately Dean left the slides he was planning to show back in Adelaide, but his talk was of such interest that they may well have been superfluous.

### Meeting Program

September: Ben Wallace on the World Orchid Conference.

October: to be arranged

November: Trevor Hughes on Cymbidiums.

**Raffle:** Won by Scott Fitzsimons, Rajani Judge, Dean Carriage, Brian Leedham and Ann Osmand.

**Door Prize:** Mark Fraser

**Judges Choice:** *Paphiopedilum villosum* 'Macgregor' owned by Jane Wright.

The Meeting closed at 10.35 p.m.

### From the President

This is the most exciting time of year for me as a lover of orchids. Many plants in the greenhouse are preparing to flower; I'm looking forward to our show and to attending other orchid shows; as well as heading out to see the native orchids in the bush. About the only thing I don't look forward to at this time of year is the impending repotting, although, having done half of my paphs today, I am feeling quite virtuous!

Don't forget to train your flower spikes to best advantage over the next month – and make sure your plants are pest-free before you bring them into the show for display or for the sales table.

Jane Wright

### From the Sales Table

Regular-sized plants tags are back in stock. Buy some at the September meeting and re-tag your plants for the show.

### The Spring Show

Don't forget that our spring show will be on 5-6 October at St John's Hall in Reid. This is our most important event of the year and I urge all members to get involved to help ensure its success. Not only do we need your plants, but we need floral art, art, craft and photography to make the show a success.

Sign-up sheets will be available at the September and October meetings, but if you can't make it then call Robyn Noel (6258 5734) to sign up for your 1.5 hr slot. We need people to help on the sales table (people to take the money and people to talk to the customers), to help in the kitchen, to take the entry fees and sell raffle tickets at the door, and to walk the show to talk to the visitors. Of course, there's the setting up and taking down too – many hands make light work. Also, Audrey and Yvonne would appreciate the donation of nice cakes, slices and sandwiches for the café. So no matter how knowledgeable you are or aren't yet about orchids, there is something you can do to help out and we look forward to having a wonderful time together at the show.

The most important thing that we need is **lots of flowering plants on our show tables, and floral art, art, craft and photography entries.** This is what attracts visitors to our show, aside from the great catering!

2010 21

### Plant registration

The phone-in plant registration procedure will be used again this year. It's easy, just follow the steps.

The weekend before the Show, check your plants to see what you have in flower and will be benching. Use the registration form in your Show Schedule (enclosed with this bulletin) and make a note of how many plants you have in each class; e.g. if you exhibit in the Open Section and have two large Cymbidium hybrids and a species Paphiopedilum in flower then you would note:

Class 3 - 2 plants      Class 28(a)- 1 plant.

Also make a note of any seedlings. If you are not sure about the Class talk to the Show Registrar- Jane Wright (6254 1119) or the Show Marshals; Ben Wallace (6241 4277) and Mark Fraser (6287 1106).

**Armed with your list of plants, phone the Show Registrar (Jane Wright 6254 1119), Monday to Thursday 30 Sept – 3 Oct. (up till 9pm, no later please!) before the Show to register your plants.** The Registrar will prepare the stickers to go on your pots. These will be placed in an envelope along with your popular vote stickers.

Between 5.00pm - 9.00pm on Friday 4 October bring your plants and registration form to the hall, collect your envelope, match and attach the stickers (registration and popular vote) to the plants on your list. Then you take the plant and put it on the bench in the appropriate class area.

### Give your registration form to the Registrar.

When you check your plants before ringing the Registrar and you are not sure whether a plant will be in flower for the show, include it in your list. If the flower goes over or doesn't open you can discard the sticker. If you find a plant you overlooked bring it along on Friday and register it as an additional entry.

If you are unable to register by phone before the show you can still register plants on Friday evening just as you have done in the past.

### Showing plants to their (and your) best advantage

With the return of the show season it is the time to consider how best to present your plants for the Show.

First, make sure that the plant is clean, and that you have removed unsightly dead leaves and bracts. This first step makes a big difference to the way a plant appears. If the plant has dusty or dirty leaves you may want to wash them. Hold the leaf firmly by the base with one hand to make sure you don't pull it off altogether, and gently wash the leaf using a soft cloth. Popular techniques include using a mixture of water and milk or just plain water. NOTE. This technique should not be used on species that have a natural waxy bloom on leaves such as many brassavolas, *Kolopternix (Epidendrum) sophronitis*, or *Encyclia citrina*.

Make sure that the plant is in a clean pot: if the pot is dirty you may want to try cleaning it, or you may find it easier to double pot the plant into a second container. This can be quite decorative, and a number of our members use a variety of decorative pots and containers.

Next, please check your plants for all manner of pests and diseases. Every year the Show Marshals have the unhappy task of disqualifying the odd plant for suspected disease or infestation. It is in everyone's best interests to make sure that their plants are free of all insects and other pests. An orchid show offers a rich opportunity for all manner of nasty greeblies to display their maleficent claw and mandible work.

Make sure your plants are labelled clearly and legibly: the public (and other growers) want to know what plants you are showing. Whilst the good old faded plastic tag might be enough in your greenhouse, the judges need to have plants clearly identified. Write out a new tag with the plant's name IN FULL, that is write *Brassolaeliocattleya* rather than *Blc.* Also make sure that the plant has a tag with your name concealed under the pot or inside the pot: this helps avoid confusion later on.

If the plant is normally hung or suspended in your growing area it is your responsibility to ensure that the plant is appropriately staged. Some members have created a variety of stands for their plants: all you need is something that will display the plant to its best advantage. This is particularly important for plants with trailing or hanging flowers.

Staking is one of those tasks that should commence (but rarely does) early in the development of the flower spike. If staking is left too late the results can look rather peculiar, as flowers can be twisted out of position. To a large extent staking is now at the individual's discretion. The judges have the right to remove the stake if they so wish. As a general aesthetic comment, be sensible with your staking, and try to keep the stake shorter than the raceme of flowers it supports: this avoids the unsightly phenomenon of the 'tomato stake syndrome', a rich and varied forest of stakes, with the occasional flower.

By all means, use additional stakes and ties to help support your flowers and racemes while you transport them to the Show but remove the 'transport stakes' once you have the plant safely benched.

Water your plants well the day before you bring them in because it will not be possible to thoroughly water them for the duration of the Show.

### ***Orchids owned for less than 6 months***

If you recently purchased an orchid that is not eligible for showing you can still display it in an area reserved for plants that have been owned for less than six months.

### ***Time to Return Trophies***

See note on page 1

### ***Sale of art entries***

Entries in the Art, Craft, Photography and Floral Art Sections may be sold but these may not be removed from the Show until 4:30pm on Sunday. Prices should include the Society's 10% commission.

### ***Plants for sales table***

Members are invited to bring orchids to sell. Make sure that they are well-established and firm in their pots, and are clean and healthy. Remember that many plants will be bought by beginners. Please do not place any sickly, infested or poorly established plants on the sales table, as the marshals will be forced to remove them from sale. Please include a separate tag with your name and price marked clearly so that the sales table team can read it easily. Prices posted on plants are assumed to include the Society's 10% sales commission.

### ***Plant sales to members only on Friday night***

Members will be able to purchase plants from the sales table on Friday night. We need all hands on deck when the doors open on Saturday morning and so it seems fair to sell to members on Friday evening so they don't miss out. Note that all plants purchased on Friday evening must be paid for and removed on Friday evening, otherwise they will be returned to the table for sale on Saturday.

### ***Plants for new members***

Following the Show, the Society supports new members by presenting them with some orchids to start or build their collections. Members are invited to donate easy-to-grow, floriferous plants for this purpose. We prefer the plants to be flowering or near flowering size. Donated plants may be brought to the Show or to the September or October meetings.

### ***Show Sponsors***

Our generous sponsors enrich our show by donating prizes and trophies. They deserve our support. Please check your Show Schedule and keep the list of sponsors handy so that next time you need supplies you can support the businesses that support us.

### ***Helping Out***

Please remember to sign up for a stint on the door, sales table, café or just talking to the visitors. Robyn will have the sign-up sheets at the September and October meetings. Also, Audrey and Yvonne would appreciate some nice cakes or sandwiches for the café.

### ***Our Book: Second edition***

As we have only about 100 copies of our book left, the committee has decided that we should revise and put out a second edition of our popular book, "Growing Orchids in Canberra and other cool climate districts". The idea is to sell off the remaining stock this year and bring out the new edition in time for the South and West Regional Orchid Show and Conference that we are hosting here in Canberra on the October long weekend in 2003.

We will be asking all authors of articles in the current edition if they would like to update the article, and are asking for volunteers to write new articles on genera and topics not covered in the existing edition. While we recognize that not everyone is willing or able to write an article, we do know that most members will have an opinion about what is good and what could be improved for the next edition. Therefore, we ask that all members have a flip through the book in the next few months and give some feedback to the committee about what we should keep the same, change or add. We may well go to 128 pages for the next edition, so there would be room for new material.

### New Members

We are pleased to welcome Bill Ferris as a new member of the Society.

### "Biodiversity Bites"

A series of public lectures on biodiversity research is being presented by the Centre for Plant Biodiversity Research and the Australian National Herbarium. The lectures will be presented from 6-7pm on the first Wednesday of the month at the CSIRO Discovery Lecture Theatre at the Black Mountain Laboratories, Clunies Ross Street. Drinks will be served following the lecture by gold coin donation. Lectures still to come are:

4 September "Botanical Treasures: Unlocking the many values of Australian plants". The changing role of herbaria from the hand lens to modern plant discovery, DNA analysis and information technology.

2 October "Plant invaders" It's not only the exotics that are escaping – our crops are getting away and even some of our natives are on the move. Research and issues associated with bitou bush, bridal creeper, native weeds, pasture plants and commercial crops such as *Pinus radiata*.

6 November "Bushland on life support" Remnant vegetation and the quality of life. Managing remnant vegetation for conservation and sustainable production – what tradeoffs are acceptable?

### If it ain't broke...

A short cautionary tale. My cymbidiums were doing fine in a bark mix I've been using for quite some time. After moving from Canberra to the coast I watched them carefully but with minor adjustments to the watering regime they were fine. Midway through last year I was speaking to a professional grower who swore by the mix he was using and his plants obviously thrived on it. They were strong and healthy and made multiple growths. Our climates are not dissimilar and his plants were more robust than mine so I thought, why not try it? So I bought several bags of the components and in Spring I repotted all of my cymbids into the new mix; not just half a dozen to try, but every single one. And they did... precisely nothing. No new growths, no vigorous root development, nothing. And this season there is hardly a spike to be seen. A wasted year. In retrospect, I think I made three mistakes. First, I should have tried out the new mix on a few plants before committing the whole

collection to it. Second, I should have realised that the new mix was much more free-draining and altered the watering regime to suit as I believe the plants dried out too quickly and the roots became dehydrated. Third, my collection is of species cymbids and the professional grower's are hybrids so the cultural requirements are obviously going to be somewhat different. Needless to say, in spring this year I'll be repotting using my former mix and next time I contemplate changing the medium I'll make sure I just do a few plants!

Lynne Phelan

### Horticultural Society of Canberra Show Spring Bulb and Camellia Show

Saturday 14 Sept (noon-5pm), Sunday 15 Sept (12:30-4pm). Lancaster Hall at Wesley Uniting Church, Fitzroy Street between National and Dominion Circuits, Griffith.

Members are encouraged to enter their orchids in the classes organized specifically for the Orchid Society. The procedure for entering plants is:

1. By 8pm on the Thursday preceeding the show, phone Mrs. Linn Doyle (02) 6231 7755, and tell her how many plants of each category you plan to enter. Note that you must have owned and been in possession of the orchids for at least 6 months.
2. Bring your plants to Lancaster Hall for staging on Friday (6-10pm) or Saturday (7:30-10am). There is a 10 cent charge for each entry.
3. If you win any prizes, your winnings (1<sup>st</sup> \$1, 2<sup>nd</sup> 50c) must be collected before the show closes. Uncollected money will revert to the Horticultural Society.
4. Collect your plants immediately the show closes at 4pm on Sunday. The speed at which this Society can pull down a show is awesome!

The orchid classes are:

228	One standard cymbidium
229	One intermediate cymbidium
230	One miniature cymbidium
231	One cattleya
232	One paphiopedilum
233	One vandaceous alliance
234	One oncidium alliance
235	One native Dendrobium
236	Any other Australian native orchid
237	One coelogyne alliance
238	Any other orchid

### From the Library

#### Australian Orchid Review - June/July 2002

Before the age of photography, coloured drawings and prints from copperplates or steel engravings of orchids were made available. A history in pictures of species of the genus *Psychopsis* published between 1825 and 1951 is provided, with some comments about the respective publications. Jim Cootes gives an introduction to the genus *Eria*, which he considers to be neglected amongst orchid growers who prefer to cultivate species orchids. He states that the majority of species of this genus are easy to grow and have attractive flowers, often produced in great profusion. Ideas on how to make life easier in an orchid house is described and illustrated

by Ron Boyd, followed by Brian Milligan's article on **equipment for the glasshouse**. As always, the Cymbidium section presented by the Australian Cymbidium Society contains some interesting articles on **hybridising work** undertaken with the *Cym. Pure Loves*; some **eye-catching cymbids**. At the Ararat 2001 show; a **simple method of deflasking** and **how and where to buy cymbidiums** of interest to novice growers.

#### Orchids Australia - June 2000

Colin Jennings describes and provides colour pictures of **Zygopetalum hybrids**, which have received AOC awards in 2001. He also pays tribute to Robert Brown, the naturalist on board the ship Investigator under command of Matthew Flinders. Brown collected many plants including a number of terrestrial orchids and laid the foundation of Australian systematic botany. Peter Chiles features some of the recent **cymbidium seedlings** produced by hybridisers. The challenges of **growing paphiopedilums** in Tasmania are discussed. The growers have had most success by potting into sphagnum moss and using cut down soft drink bottles as containers. This way the roots of the plants can be observed without tipping the plants out. Gary Hart describes **how to grow Odontoglossum species and hybrids** successfully. If you are interested in growing Calanthe species, *Calanthe vestita* with its attractive white/deep pink flowers may be a desirable species to add to your collection. A colour photograph and a brief description are included in this issue.

#### RHS. Orchid Review - May/June 2002

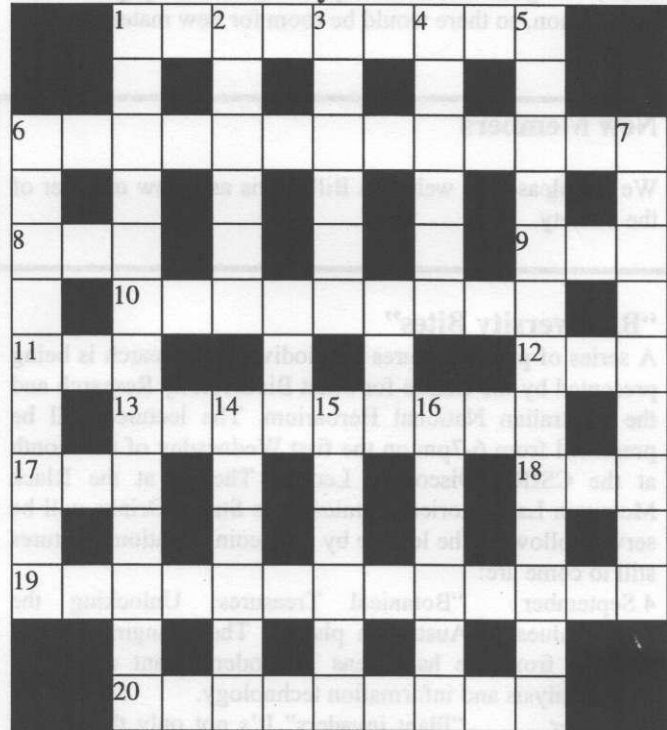
Phillip Cribb and Nicholas Pearce describe the rich **vegetation of Bhutan** and discuss some of the numerous orchids that grow in various habitats. Bhutan has rarely been visited by botanists and has the least known flora of any on the Indian Sub-Continent. Nevertheless, already 579 orchid species have been recorded from Bhutan and adjacent Sikkim, over half being epiphytic. The history of the hybrid genus *Angulocaste* is discussed with suggestions regarding future developments. Three new orchid species have been added to the Indian flora, namely *Eria sutepensis*, *Oberonia teres* and *Phaius epiphyticus*. They are described in detail together with comments on other species growing alongside them. *Phaius epiphyticus*, as the name implies is often found growing on trees. It has beautiful sulphur-yellow flowers. Harold Koopowitz reviews the **Brachypetalum paphiopedilums** and gives advice on their cultivation. In this article he deals with *Paphiopedilum bellatulum*, *P. concolor*, *P. godefroyae*, *P. niveum* and *P. x conco-bellatulum*. The genus *Barkeria* endemic to Central America is described with detailed advice on how to grow its species and their hybrids successfully. A list of intergeneric hybrids is given e.g. *Matsudaara (Msda)* has as parents *Barkeria x Cattleya x Laelia x Sophronitis* (as if we did not know). In a previous article John Heathcote discussed the quantity of light that orchids require. In this issue he describes how to **provide orchids with extra light** where the natural light is not sufficient. Important for growers of tropical orchids, which in their natural habitat receive more or less 12 hour daylight throughout the year. An interesting article on **hydroculture** of orchids is included in this issue.

#### RHS. Orchid Review - July/August 2002

Aaron Hicks has established the largest laboratory devoted to orchid seed storage and research. He describes the **Orchid Seed Bank Project** involving the long-term storage of orchid seed. Jim Cootes describes some species of the beautiful and underrated genus *Dendrochilum*. Most species of this genus seldom grow taller than 15 cm. Cultural tips on **how to grow oriental cymbidium orchids** with emphasis on *C. goeringii* are given by Dr. Migoshi - Japan. If you are interested in **growing terrestrial orchids**, there are some basic rules to follow. These, together with detailed cultural notes are described. A new species of **Vanilla orchid** from New Guinea is reported. Geoffrey Hands continues his article on the **hydroculture method** of growing orchids. Not

many people would expect to find orchids growing on the Arabian Peninsula, but Barbara Evans describes how she found (and painted) several terrestrial orchids in the mountains of Yemen. Phillip Cribb paid a brief visit to the Monteverde National Park in Costa Rica where he concentrated on finding and photographing **miniature orchids**. I liked in particular his photograph of *Dracula astuta*. *Paphiopedilum primulinum* from Sumatra is considered easy to grow and bloom. It also breeds readily and has been crossed successfully with many other paphs. Some of its attractive progeny is discussed and illustrated.

#### CROSSWORD No 6 by Dennis Drobe



#### ACROSS

- 1 Cads find an orchid in the ocean (9)
- 6 Fat, a mass of ice and mixed dates astonished (13)
- 8 It follows me (3)
- 9 A diminutive governor? (3)
- 10 The youngest Israeli Prime Minister (9)
- 11 The goat is full of itself (3)
- 12 "To ... is human, to forgive divine" (3)
- 13 Put a rose right for the pterodactyl (9)
- 17 Go to extremes with this degree (3)
- 18 The king is into the castor oil (3)
- 19 Arrogantly calls, "Hi, bury it" (13)
- 20 The sungod joins a navy to get this orchid (9)

#### DOWN

- 1 A chain, bar and hoop might help a fear of spiders (13)
- 2 But con big Hazel she is edible (6)
- 3 Hi left the orchid on and got a ribbon on his chest (6)
- 4 They speak it in Malawi (6)
- 5 The little one and I oppose the partisan (13)
- 6 Three more holes or just a fraction (9)
- 7 If they are underwater why do they vary? (9)
- 14 Beethoven's Third (6)
- 15 The care of women during pregnancy, abbreviated (6)
- 16 A member of the Parisian underworld or a Native American

### Popular Vote June 2002 -correction

Cattleya alliance species	<i>Laelia anceps</i>	Brian Leedham
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### Popular Vote July 2002

Paphiopedilum	<i>Paphiopedilum insigne</i>	Tony & Julie Smith
Coelogyne alliance	<i>Dendrochilum uncatum</i>	Don Chesher
Masdevallia species	<i>Masdevallia heubschiana</i>	Mark Fraser & Sandra Corbett
Masdevallia hybrid	<i>Masdevallia</i> Angle Dangle 'Top Rating'	Don Chesher
Australian Dendrobium	<i>Dendrobium</i> Cobber (= Candice 'Beta' x Aussie Treat 'Qantas')	Robert Rough
Odontoglossum alliance	( <i>Odontioda</i> Inca x <i>Oda</i> . Red Rum) x <i>Oda</i> . Omeo 'Robes of Burgundy'	Brian Phelan
Cattleya hybrid – miniature	<i>Sophrolaelia</i> Mini Pet	Robert Rough
Cattleya hybrid - intermediate	<i>Brassolaeliocattleya</i> Pokai Tangerine 'Lea'	Bob Evans
Cattleya hybrid – standard	<i>Brassolaeliocattleya</i> Sylvia Fry	Terry Turner
Cattleya species	<i>Cattleya bowringiana</i>	Brian Leedham
Cymbidium species	<i>Cymbidium tracyanum</i>	Ben Wallace
Any other orchid	<i>Stenorrhynchus speciosum</i>	David Rees
Orchid of the Night	<i>Paphiopedilum insigne</i>	Tony & Julie Smith
Judges Choice - 1	<i>Paphiopedilum insigne</i>	Tony & Julie Smith
Judges Choice - 2	<i>Stenorrhynchus speciosum</i>	David Rees

### Popular Vote August 2002

Paphiopedilum species	<i>Paphiopedilum villosum</i> 'Macgregor'	Jane Wright
Paphiopedilum hybrid	<i>Phragmipedium</i> Eric Young	Terry Turner
Coelogyne alliance	<i>Coelogyne lentiginosa</i>	Don Chesher
Pleurothallid species	<i>Pleurothallis truncata</i>	Jane Wright
Masdevallia hybrid	<i>Masdevallia</i> Angel Heart & <i>Masdevallia</i> Blushing Belle 'Macgregor'	Jane Wright
Australian Dendrobium	<i>Dendrobium</i> Elegant Heart x Rathking 'Dark Lip'	Robert Rough
Odontoglossum alliance	<i>Odontoglossum</i> Fletcherianum (= <i>cirrhosum</i> x <i>edwardii</i> )	Mark Fraser & Sandra Corbett
Cattleya hybrid – miniature	<i>Laeliocattleya</i> Amaroo	Robert Rough
Cattleya hybrid – standard	<i>Laeliocattleya</i> Bonanza Queen	Robert Rough
Cattleya species	<i>Laelia anceps</i>	Robert Rough
Cymbidium	<i>Cymbidium erythraeum</i>	Ben Wallace
Vandaceous alliance	<i>Phalaenopsis</i> name unknown	Julianne Turner
Exotic Dendrobium	<i>Dendrobium</i> Ron Falvey	Julianne Turner
Any other species	<i>Dockrillia teretifolia</i>	Ben Wallace
Orchid of the Night	<i>Dendrobium</i> name unknown (exotic)	Julianne Turner
Judges Choice	<i>Paphiopedilum villosum</i> 'Macgregor'	Jane Wright

### Contributions to the Bulletin

You can get material to the editor by the following means:

**In person:** At meetings, or if I am not there to either Robyn Noel or Laurie Woods.

**By mail:** PO Box 3312, Belconnen, ACT 2617 not the Orchid Soc PO Box

**By phone:** (02) 6254 1119 (h) **Fax** (02) 6246 4202

**By email:** E.Jane.Wright@csiro.au

Hand written, typed and computer generated material all welcome and will be included as soon as possible subject to space. Contributions preferably by 14th of Jan, Feb, April, June, August, October.

**Computer files:** This bulletin is prepared with Word for Windows 2000 on a PC. I can handle .doc, .rtf and .txt text formats and digital still and video images in most popular formats including .avi, .jpg, .tif and .bmp. Please keep formatting to a minimum, especially if it includes graphics. I can also scan drawings, text, slides and photographic prints. Contributors using a Mac please format files to a PC readable format before sending them to me. Please keep a backup copy of your own of anything you send me as accidents can happen! I can handle IBM formatted floppy disks and CDs. Please put your name on disks so that I can return them to you. Any questions, please see, ring or email me.

**The Editor, Jane Wright**

ORCHID SOCIETY OF CANBERRA - STATEMENT OF INCOME AND EXPENDITURE 2001/02

INCOME		2001	2002	EXPENDITURE		2001	2002
Advertising		0.00	0.00	Advertising		0.00	0.00
Badges		0.00	0.00	Affiliation dues		66.00	86.00
Canberra Book Sales		406.00	262.20	Badges		183.87	142.50
Book Sales		0.00	0.00	Bank Charges		58.63	41.89
Commissions on Plant Sales		136.10	81.95	Books for Sale		833.79	0.00
Magazine Sales		144.00	0.00	Bulletin		458.66	584.40
Excursions		75.00	0.00	Depreciation		494.44	380.48
Interest		11.27	9.43	Donation		0.00	100.00
Membership		1440.00	1505.00	Excursion		80.00	0.00
Plant and Plant Product		2735.45	2374.35	Insurance		289.00	335.00
Raffles		544.45	463.60	Plant & Plant Product		2178.17	2669.31
Show		3903.10	3495.30	Postage		458.45	545.25
Sundries		75.00	97.00	Prizes		0.00	80.00
				Refreshments		85.65	146.79
				Rental		689.08	566.30
				Show		2238.86	1859.25
				Slides and Photos		27.90	38.00
				Stationery		397.45	75.80
				Subscriptions		262.92	411.40
				Sundry Expenses		138.95	140.00
				Visitors and Guest Speake		470.00	375.00
				Total Expenses		9411.62	8577.37
				Surplus		58.75	(288.54)
		9470.37	8288.83			9470.37	8288.83

ORCHID SOCIETY OF CANBERRA INC.

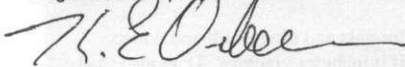
BALANCE SHEET  
As at 30 April 2002

ASSETS		2001	2002	EQUITIES		2001	2002
Non Current Assets				Members Equity		11,751.50	11,810.25
	Library Books at Cost	4,024.69	4,182.64	Add : Surplus (Deficit) for Year		58.75	-288.54
5%	Less : Acc Depreciation	1,164.95	1,315.83			11,810.25	11,521.71
		2,859.74	2,866.81				
	Projector at Cost	450.00	450.00				
20%	Less : Acc Depreciation	450.00	450.00				
		0.00	0.00				
	Scanner at cost	299.00	299.00				
40%	Less : Acc Depreciation	89.70	209.30				
		209.30	89.70				
	Printer at Cost	275.00	275.00				
40%	Less : Acc Depreciation	82.50	192.50				
		192.50	82.50				
	Total Non Current Assets	3,261.54	3,039.01				
Current Assets							
	Inventories at Cost						
	Badges	32.40	32.40				
	Books	1,097.69	458.49				
	Plant Products	1,907.36	2,571.46				
	Sundry Debtors						
	Cash at Bank	5,411.26	5,320.35				
	Cash on Hand	100.00	100.00				
	Total Current Assets	8,548.71	8,482.70				
	<b>TOTAL ASSETS</b>	<b>11,810.25</b>	<b>11,521.71</b>				

AUDITOR'S REPORT

I have audited the Income and Expenditure Statement for year ended 30 April 2002 and the Balance Sheet as at 30 April 2002 of the ORCHID SOCIETY OF CANBERRA INC. in accordance with Australian Auditing Standards and in my opinion they present fairly the financial position of the ORCHID SOCIETY OF CANBERRA INC. as of 30 April 2002 and the results of its operation for the year then ended in accordance with Australian Accounting Standards.

K E Osborne BCom MCom PhD FCPA  
Registered Company Auditor



Canberra  
08-Aug-02