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## **MONTHLY BULLETIN**

VOLUME 43 NO 7

**Meetings held at the Uniting Church Hall, cnr. Flora and Merton St., Sutherland on the Second Monday of the Month. All Visitors Welcomed. Visit our Website on [www.ssos.org.au](http://www.ssos.org.au)**

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### **JULY 2007**

#### **Minutes from the June 07 Meeting.**

The President declared the meeting open, extending a warm welcome to the members and the many visitors present on a holiday evening. The minutes as were circulated, were taken as a true record on the motion of M. Errington. Passed.

#### **Correspondence.**

St. Ives Orchid Fair - 17 th.-19<sup>th</sup>. August.

Murray then went on to mention our Show set-up at Swanes Nursery on the 20 th. June, and asked for helpers with the set-up of the trestles and general readiness to receive plants, and we would hope this would start about 1300 hours (1 o'clock). He then introduced the Show Marshal, Paul Wheeler, who outlined the work to be undertaken. Plants can be booked in from 4:30 p.m. to 6:30 p.m. Diane Hannah will be there to receive your booking sheets and will have a supply of plant cards if you failed to get them at the meeting. Paul outlined how the judging of the table top displays are judged as distinct from the rest of the show. He advised people to read the Schedule carefully, and if in doubt about the correct class for your plants, ask. We are also reminded NOT to park in Swanes Carpark, we would like to keep it just for customers. Russell Ettrick is picking up trestle legs from

the church.

Murray informed the meeting that we had been invited to participate at the Marton Public School, Engadine, at their Fete on the 15 th. Sept. (weekend after our show). Plants will be sold with the usual 15% commission applying.

#### **Lucky Plant.**

As we reported there are two months results. May. R. Moar, A. & E. Marks, J. Moss. June – L. Gannon, R. Ettrick, N. Roper.

#### **Plant Raffle.**

M. Errington, R. Moar, R. Ettrick, Visitor.

After supper Kevin Wilson gave a short talk on preparation and displaying at an Orchid Show. Murray thanked him for the informative talk, and closed the meeting.

#### **Dates to Remember.**

9<sup>th</sup>. July SSOS Monthly meeting. No Beginners Class this month.

13<sup>th</sup>. August. SSOS. Monthly Meeting. Beginners Class- Dennis Wood. – Natives – Culture, pots mixes, repotting, pests & diseases.

5<sup>th</sup>. Sept. SSOS Spring Show . Set up Swanes Nursery.

12<sup>th</sup>.-14<sup>th</sup>. Oct. Southern Orchid Spectacular,  
(Sharkies)

### Judges for July.

	TEAM 1	TEAM 2	TEAM 3
LEAD JUDGE	I CHALMER	N ROPER	G HART
JUDGE	K WILSON	W CHAPMAN	D BROOKS
JUDGE	E BEEHAG	I WARE	S T HO
ASSOC.		J MOSS	
WRITER	J ROBINSON	S CROSBY	M HITCHCOCK

### Editors Corner.

With regret I report the passing of Ian Chalmers father, Ron. He was a past President of this Society, and the inaugural Chairman of the Southern Districts Combined Show.

Also Simon Flynn 's daughter in Queensland lost her battle. To both people and their families we extend our sincere condolences.

Congratulations to Jan Robinson on the coverage she is getting the Society thru' the Leader . Keep up the good work. While thanking people did you notice the new show certificates ?, thank you to Ho for them.

While waltzing around the Show, spotted two "Oldies", Allan Kirkby and Ken Hancock, both who had a recent spell in hospital. Great to see them about again.

As a computer "illiterate", I must apologise for the incorrect results in the intermediate and novice growers results for April and May. The fowl-up occurred between the computer and the printing. A copy of the relevant results will be drawn to Ted Beehags attention (our point score controller) to be adjusted.

Apologies also to W Chapman for his plant in the display which was omitted in the recording.

### AWARENESS CAMPAIGN GLYPHOSATE AND ORCHIDS

I would like to bring to your attention a problem I had in 2004. In February 2004 I sprayed Glyphosate beneath the benches on which my orchid collection was growing to kill the grass and weeds growing there. I noticed as my orchids were starting to flower they ALL suddenly closed up and what appeared to be a pod formed at the back of the flower.

When I mixed up the spray in a 5 ltr pump sprayer, I had followed the very limited warnings on the label and made sure I didn't get the spray anywhere near the orchids sitting on the benches above.

The genera that was affected were - Sarcochilus, Masdevallia, Odontoglossums and Cymbidiums, which were all sitting on the benches above where I sprayed.

I phoned up some Chemical Companies that produce Glyphosate.

The Company told me they thought that fumes would have got into my plants at the time of spraying causing the twisted growths, general yellowing of the leaves and probably the flowers turning into pods, which by the way were unfertile. They also said it would probably take 6 months to grow out of the plants.

They didn't have an answer to my question "Why did new plants that I put into my shed 8 months after I sprayed still get effected."

I looked up the Internet under 'Glyphosate' and found many sites listed and was amazed at what I found under this topic. Amongst other things I found it has a half life or part thereof in the soils for anything between 30 to 360 days after spraying. Glyphosate leaches out nitrogen. Was this why my plants went yellow ? Symptoms of exposure to humans include eye irritation, blurred vision, skin rashes, sore throat, headache - the list goes on.

A friend in Tasmania had the same problem in 2003 with Sarcochilus and Masdevallias turning to pods after spraying under his benches with Glyphosate.

I also had leaves tested for deficiencies and the response was that they were deficiency in nitrogen.

Just this year (2005) I contacted Peter Cundall from Gardening Australia after seeing weird growths on a rose that he showed on his program, I was getting these same growths on some of my orchids, When he replied to my query he said and I quote "Thee big mistake you made was spraying this beneath your orchids as I have seen the fumes rising from Glyphosate after spraying. End of quote.

I will leave it up to you to do your own investigating as I know some of you who read this will say they have used it for years with no ill effects to their orchids, some even weeding their orchids with it.

**MONTHLY JUDGING RESULTS**

For : Jun-07

**OPEN JUDGES CHOICE**Winner *Onc. ornithorynchum* N. Roper**INTERMEDIATE JUDGES CHOICE**Winner *Onc. ornithorynchum* G. Birss**NOVICE & JUNIOR JUDGES CHOICE**Winner *Odontobrassia Kenneth Biven 'Santa Barbara'* J. Robinson**CLASS # 1 AUSTRALIAN NATIVES**

1st *Den. bigibbum 'Bette'* W. Hoogwerf  
 2nd *Den. bigibbum var compactum* W. Hoogwerf

**CLASS # 2 SPECIES PAPHIOPEDILUM**

1st *P. gratixianum* G. Hart  
 2nd *P. wardii var alba* N. Roper  
 3rd *P. insigne* S.T.Ho  
 4th *P. wardii* G. Hart  
 5th *P. insigne* G. Hart

**CLASS # 3 CATTLEYA OVER 110mm**

1st *Blc. Donno Kimura* Costa & Crosby  
 2nd *Blc. Murray Spencer* J. Hart  
 3rd *Bc. Pastoral Innocence* R. & J. Ettridge  
 4th *Blc. California Curl* J. Hart

**CLASS # 4 NOVELTY PAPHIOPEDILUM**

1st *P. callosum x Robert Ward* G. Hart  
 2nd *P. Memnon* N. Roper  
 3rd *P. Varuna* G. Hart  
 4th *P. Dragon Ruby x Fremont Peak* S.T.Ho

**CLASS # 5 CATTLEYA OVER 80 TO 110mm**

1st *Lc. Little Susie* J. Hart  
 2nd *Blc. Pokai Tangerine* J. Hart  
 3rd *Bc. Island Charm* J. Hart

**CLASS # 6 PAPHIOPEDILUM**

1st *P. Orchilla 'Chilton'* S.T.Ho  
 2nd *P. Tommy Hanes* G. Hart  
 3rd *P. Orchilla 'Chilton'* G. Hart

**CLASS # 8 CATTLEYA UP TO 80mm**

1st *Slc. Dals Buddy* Costa & Crosby

**CLASS # 9 AUSTRALIAN NATIVE HYBRID**

1st *Den. Aussie Victory* P. Wheeler  
 2nd *Den. Viking Flame* P. Wheeler  
 3rd *Den. Elegant Autumn x Amber Banks* Costa & Crosby

**CLASS # 10 SPECIES ASIAN**

1st *Cym. erythraem* Costa & Crosby  
 2nd *Eria. convallaricides* W&J Chapman  
 3rd *Medeocalcaea decoratum* D. Wood  
 4th *Den. crepideferum* G. Hart

**CLASS # 11 PHALAENOPSIS**

1st *Dtps Taida King Sun 'Tien Tien Horn'* Costa & Crosby  
 2nd *Phal. Luchia Coral (MLC)* Costa & Crosby

**CLASS # 12 SEEDLING**

1st *Sarc. George Colthup x Velvet* N. Roper  
 2nd *Cym. Gene Siskel x Dolly Featherhill* Costa & Crosby  
 3rd *Cym. Arcadian Chalet x Valdel Plaza* Costa & Crosby  
 4th *Paph. Adrosan Pink Magic x Adelaide Magic* S.T.Ho

**CLASS # 13 ONCIDIUM**

1st *Onc. Sharry Baby 'Sweet Fragrance'* E&A Marks  
 2nd *Onc. Sharry Baby 'Sweet Fragrance'* R. Moar

**CLASS # 14 NOVELTY PHALAENOPSIS UNDER 75mm**

1st *Phal. Unknown* Costa & Crosby

**CLASS # 15 ONCIDIUM INTERGENERIC ALLIANCE**

1st *Onc. Jihubao Gold 'KBR'* Costa & Crosby

**CLASS # 16 MISCELLANEOUS**

1st *Gra. Elizabeth Anne 'Buckleberry'* D. Wood  
 2nd *Dock Tweetie* N. Roper  
 3rd *Zcx. Elfin Jade x Pabstia Jugosa* N. Roper  
 4th *Zyg. Unknown* Costa & Crosby

**CLASS # 17 DENDROBIUM HYBRIDS**

1st *Den. Pauline* Costa & Crosby  
 2nd *Den. Chao Prayo Sweet x Samsak* Costa & Crosby

**CLASS # 18 VANDACEOUS NOT VANDA**

1st *Doritis rosea x Kingiella phillipense* K. Wilson

**CLASS # 19 MASDEVALLIA & DRACULA SPECIES**

1st *Drac. robeldocum* G. Hart  
 2nd *Drac. cordobae* G. Hart  
 3rd *Masd. picea* R. Moar  
 4th *Masd. floribunda* R. Moar

**CLASS # 20 INTERMEDIATE CYMBIDIUM 60 TO 90mm**

1st *Cym. Peggy Sue 'Fire'* Costa & Crosby  
 2nd *Cym. Little Sarah 'Sweet Charm'* E&A Marks  
 3rd *Cym. Greeoaks Gem x Beacon Fire x Ruby Eye* J. Costa  
 4th *Cym. Celtic Imp 'Ivy May'* Costa & Crosby

**CLASS # 21 ODONTOGLOSSUUM INCLUDING ODONTIODA**

1st *Wils. Tiger Ball 'Gemma'* K. Wilson

**CLASS # 21A PLEUROTHALLIDINAE HYBRIDS**

1st *Masd. Morning Glory* G. Hart  
 2nd *Rest. Pelyx x Elegans* N. Roper  
 3rd *Rest. Pelyx x Elegans* N. Roper  
 4th *Masd. Kara's Sun* G. Hart

**CLASS # 21B LAELINAE SPECIES**

1st *Laelia anceps* E&A Marks  
 2nd *L. anceps var vietchiana 'No. 2'* W. Hoogwerf  
 3rd *L. anceps var sanbar x medenhall* E&A Marks  
 4th *Laelia autoceps* J.Hart

**CLASS # 22 MINITURE CYMBIDIUM UNDER 60mm**

1st *Cym. Summer Cloud 'Karandan'* W&J Chapman  
 2nd *Cym. Zig Zag 'Kiwi'* E&A Marks

**CLASS # 23 SPECIES OTHER THAN ASIAN OR PAPHIOPEDILUM**

1st *Onc. ornithorynchum* N. Roper  
 2nd *Onc. onustum* W. Hoogwerf  
 3rd *Lyc. guatemalensis* R&J Ettrick  
 4th *Onc. ornithorynchum* N. Roper  
 5th *Max. himatoglossa* G. Hart

**CLASS # 23A OTHER PLEUROTHALLIDINAE SPECIES**

1st *Rest. nemsleyana 'G.H.'* N. Roper  
 2nd *Rest. guttulata 'Hoffman'* D. Wood  
 3rd *Pleuro. Ioranthophylla* G. Hart  
 4th *Rest. antennifesa* N. Roper

**CLASS # 24A NATIVE SARCANTHINAE HYBRID**

1st *S. Melba* N. Roper  
 2nd *S. Bobby Dazzler* N. Roper

**CLASS # 26 NOVICE - CYMBIDIUM**

1st *Cym. Cherry Cola 'Tomerong'* J. Robinson

**CLASS # 29 NOVICE - MISCELLANEOUS**

1st *Odontobrassia Kenneth Biven 'Santa Barbara'* J. Robinson  
 2nd *Zygo. Adelaide Meadows x Zygo Titanic 'June'* J. Robinson

**CLASS # 30 NOVICE - SPECIES**

1st *Paph. insigne* J. Robinson  
 2nd *Laelia anceps* J. Robinson  
 3rd *Bulb. rothschildianum* M. Hitchcock

**CLASS # 31 INTERMEDIATE - PAPHIOPEDILUM**

1st *Paph. insigne* D&M Hannah

**CLASS # 32 INTERMEDIATE - CYMBIDIUM**

1st *Cym. Jaqui 'Amy'* L. Gannon  
 2nd *Cym. Snow Patterson x Kiwi Majic 'Joan'* L. Gannon

**CLASS # 33 INTERMEDIATE - NATIVE SPECIES & NATIVE HYBRID**

1st *Sarc. Velvet 'Sparkle' x Fairy 'Scarlet'* G. Birss  
 2nd *Den. Warringah* G. Birss

**CLASS # 34 INTERMEDIATE - CATTLEYA**

1st *Lc. Mini Purple x Lc. Mini Purple 'Marg'* L. Gannon  
 2nd *Blc. Sylvia Fry 'Wallacia' X C. Walkerian 'Alba'* D&M Hannah

**CLASS # 36 INTERMEDIATE - SPECIES**

1st *Onc. ornithorynchum* G. Birss  
 2nd *Laelia anceps var vietchiana* S. Vavayis  
 3rd *Cat. percivaliana 'Summit'* S. Vavayis  
 4th *Laelia gouldiana* D&M Hannah

**CLASS # 41 JUNIORS**

1st *Phrag noirmant* D. Coulton

## 55 th. WINTER SHOW 2007

### GRAND CHAMPION

MR. N. ROPER Onc. Ornithorynchum

### RESERVE CHAMPION

MR. D. WOOD Cirr. Elizabeth Anne 'Buckleberry'

### CHAMPION PAPHIOPEDILUM HYBRID

MS. S CROSBY/ MR. T COSTA Paph. Satin Smoke

### CHAMPION SPECIES

MR. N. ROPER Onc. Ornithorynchum

### CHAMPION CYMBIDIUM

MR.& MRS.A & E MARKS Cym. Fairy Rouge 'Lavender Falls'

### CHAMPION CATTLEYA

MR. E. BEEHAG Sc. Cosmos 'Laina'

### CHAMPION NATIVE SPECIES OR HYBRID

MR. N. ROPER Sarco. George Colthup x Velvet

### CHAMPION PLEUROTHALLIDINAE SPECIES OR HYBRID

MR. N. ROPER Rest. Guttulata

### CHAMPION OTHER

MR. D. WOOD Cirr. Elizabeth Anne 'Buckleberry'

### CHAMPION ORCHID EXHIBITED BY A INTERMEDIATE,NOVICE OR JUNIOR

MRS. L. GANNON Cym. One Tree Hill 'Beenak'

Class 1 - Table Top Display, max size 60cmx60cm, 3 to 5 orchids of different clones

1st MR. & MRS. W. CHAPMAN

2nd MR. & MRS. J & M MOSS

3rd MR. G BIRSS

Class 2 - Best Standard Cymbidium

1st MS. S CROSBY/ MR. T COSTA Cym. John Wooden 'Royale'

2nd MS. S CROSBY/ MR. T COSTA Cym. Khan Flame 'Hot Cocca'

Class 3 - Best Cymbidium,Red or Pink (flower 60mm max.)

1st MR.& MRS.A & E MARKS Cym. Fairy Rouge 'Lavender Falls'

2nd MR.& MRS.A & E MARKS Cym. Fairy Rouge 'Lavender Falls'

Class 4 - Best Cymbidium,Green or Yellow (flower 60mm max.)

1st MR.& MRS.A & E MARKS Cym. Delores Hoyt x Tom Thumb

2nd MS. S CROSBY/ MR. T COSTA Cym. Janis Lin 'Emily Kate'

Class 5 - Best Cymbidium,Any Other Colour (flower 60mm max.)

1st MR.& MRS.A & E MARKS Cym. pumilum x Ngaire

2nd MR. & MRS. W. CHAPMAN Cym. Summer Clould 'Karanda'

Class 6 - Best Cymbidium,Red or Pink (flowers over 60mm to 90mm max.)

1st MR. D. WOOD Cym. Without Peer 'Soft Touch'

2nd MR. J COSTA Cym. Willunga Regal 'Midnight'

Class 7 - Best Cymbidium,Green or Yellow (flowers over 60mm to 90mm max.)

1st MR. J. HART Cym. Minni Mint 'Green Mint'

Class 9 - Best Cymbidium Seedling (any type)

1st MS. S CROSBY/ MR. T COSTA Cym. Winter Alvia x White Diamond

2nd MR. J COSTA Cym. Lancashire Khan 'Evie' x Blazing Fury 'Monica'

Class 10 -Best Primary or Novelty Paphiopedilum

1st MS. S CROSBY/ MR. T COSTA Paph. Satin Smoke

2nd MS. S CROSBY/ MR. T COSTA Paph. Lady Sara x moquettianum

<b>Class</b>	<b>11 -Best Red Paphiopedilum</b>	
1st	MR. S.T.HO	Paph. Orchilla 'Chilton'
2nd	MR. S.T.HO	Paph. Orchilla 'Chilton'
<b>Class</b>	<b>12 - Best Paphiopedilum, White Or Pink</b>	
1st	MR. K. WILSON	Paph. Whitmar 'Ashland'
<b>Class</b>	<b>13 -Best Paphiopedilum Green orYellow</b>	
1st	MR. S.T.HO	Paph. Camberwick x Ferox
<b>Class</b>	<b>14 -Best Spotted Paphiopedilum</b>	
1st	MR. S.T.HO	Paph. Sunny Tears x Winston Churchill
2nd	MR. S.T.HO	Paph. Sunny Tears x Winston Churchill
<b>Class</b>	<b>15 - Best Paphiopedilum, Any Other Colour</b>	
1st	MR. E. BEEHAG	Paph. British Concord x Beverly Rhodes
2nd	MR. S.T.HO	Paph. Winston Churchill x Coronella Annangrove
<b>Class</b>	<b>16 - Best Paphiopedilum Species</b>	
1st	MR. S.T.HO	Paph. Insigne 'Ernie'
2nd	MR. R. MOAR	Paph. Insigne
<b>Class</b>	<b>17 - Best Paphiopedilum Seedling</b>	
1st	MR. K. WILSON	Paph. Paeony x Colonist
2nd	MR. S.T.HO	Paph. Makuli x (Red Glory x Fremont Peak)
<b>Class</b>	<b>20 - Best Vandaceous (excluding Vanda)</b>	
1st	MR. K. WILSON	Doritis rosea x Kingella Phillipense
2nd	MR.& MRS T & J HYDE	Ascda. Princess 'Mikage Setsan'
<b>Class</b>	<b>21 - Best Phalaenopsis or Doritaenopsis</b>	
1st	MS. S CROSBY/ MR. T COSTA	Phal. Happy Lady
2nd	MS. S CROSBY/ MR. T COSTA	Dtps Hsinying Canary 'Ruby Lip'
<b>Class</b>	<b>22 - Best Novelty Phalaenopsis (flowers 75mm max.)</b>	
1st	MR. & MRS. W. CHAPMAN	Phal. Breki Venflight 'Walter'
2nd	MS. S CROSBY/ MR. T COSTA	Phal. Little Skipper 'Cathie'
<b>Class</b>	<b>23 - Best Australian Native Species</b>	
1st	MR. J. HART	Pter. Concinna
2nd	MR. P. WHEELER	Bulb. Shepherdii
<b>Class</b>	<b>24 - Best Australian Native Hybrid, predominantly Red or Pink</b>	
1st	MR. D. WOOD	Den. Hera
2nd	MR. D. WOOD	Den. Waringah
<b>Class</b>	<b>25 - Best Australian Native Hybrid, predominantly Yellow or Green</b>	
1st	MR. D. WOOD	Den. Aussie Starlight
2nd	MR. P. WHEELER	Den. Aussie Victory 'Sunspot'
<b>Class</b>	<b>26 - Best Australian Native Hybrid, any other colour</b>	
1st	MR. & MRS. J & M MOSS	Ptst. Tallhood
2nd	MR. P. WHEELER	Den. Viking Flame
<b>Class</b>	<b>27 - Best Australian Native Sarcanthinae Hybrid</b>	
1st	MR. N. ROPER	Sarco. Yvonne 'Pink Cups'
2nd	MR. N. ROPER	Sarco. Velvet x Fairy
<b>Class</b>	<b>28 - Best Oncidium Hybrid</b>	
1st	MR. N. ROPER	Onc. Sharry Baby
2nd	MR.& MRS.A & E MARKS	Onc. Sharry Baby 'Sweet Fragrance'
<b>Class</b>	<b>29 - Best Other Oncidinae Hybrid</b>	
1st	MR. E. BEEHAG	Wils. Ulladulla
2nd	MS. S CROSBY/ MR. T COSTA	Colm. Wildcat 'Golden Leopard'

<b>Class</b>	<b>30 - Best Species Orchid -Asian (other than a Paphiopedilum or Native)</b>	
1st	MR. D. WOOD	Mediocalcar decoratum
2nd	MR. S.T.HO	Dendrochillum javierence
<b>Class</b>	<b>31 - Best Species Orchid -Other (other than Laelinae or Pleurothallidinae)</b>	
1st	MR. N. ROPER	Onc. Ornithorynchum
2nd	MR. & MRS. J & M MOSS	Onc. Ornithorynchum
<b>Class</b>	<b>32 - Best Laelinae Species</b>	
1st	MR.& MRS.A & E MARKS	L. anceps
2nd	MR.& MRS.A & E MARKS	L. anceps 'Yellow x vietchiana'
<b>Class</b>	<b>33 - Best Cattleya - Standard White or Mauve (flowers over 110mm)</b>	
1st	MR. J. HART	Blc. Mt. Sylvan 'Milne Bay'
2nd	MR. & MRS R & J ETTRICK	Cat. Pastoral Innocence
<b>Class</b>	<b>34 - Best Cattleya - Standard Any Other Colour (flowers over 110mm)</b>	
1st	MR. J. HART	Blc. Murray Spencer 'Armroy Dark Star'
2nd	MR. J. HART	Blc. California Girl 'Orchid Library'
<b>Class</b>	<b>35 - Best Cattleya - (flowers over 80 mm up to 110mm).</b>	
1st	MR. J. HART	Bc. Island Charm 'OP'
2nd	MR. & MRS R & J ETTRICK	Cat. Unknown
<b>Class</b>	<b>36 - Best Cattleya - (flowers up to 80 mm)</b>	
1st	MR. E. BEEHAG	Sc. Cosmos 'Laina'
2nd	MR. & MRS. J & M MOSS	Lc. Mini Purple 'Zoe'
<b>Class</b>	<b>37 - Best Intergeneric Cattleya Alliance</b>	
1st	MS. S CROSBY/ MR. T COSTA	Ctna. Rosy Jewel
<b>Class</b>	<b>38 - Best Pleurothallidinae Hybrid</b>	
1st	MR. N. ROPER	Restrepia rankesteria x striata
2nd	MR. & MRS. W. CHAPMAN	Masd. Marguerite 'Royal'
<b>Class</b>	<b>40 - Best Pleurothallidinae Species (Other)</b>	
1st	MR. N. ROPER	Restrepia guttulata
2nd	MR. D. WOOD	Restrepia guttulata 'Hoffman'
<b>Class</b>	<b>41 - Best Specimen (to be chosen from all classes)</b>	
1st	MR. N. ROPER	Onc. Ornithorynchum
2nd	MR. R. MOAR	Paph. Insigne
<b>Class</b>	<b>42 - Best Seedling Any Genera (other than Cymbidium Or Paphiopedilum)</b>	
1st	MR. N. ROPER	Onc. Ornithorynchum
2nd	MR. N. ROPER	Sarco. George Colthup x Velvet
<b>Class</b>	<b>43 - Best Odontoglossum, Odontioda, Odontonia or Vuylstekeara only</b>	
1st	MR. K. WILSON	Wils. Tiger Butter 'Gemma'
<b>Class</b>	<b>44 - Best Orchid Not Elsewhere Included</b>	
1st	MR. D. WOOD	Cirr. Elixabeth Anne 'Buckleberry'
2nd	MR. N. ROPER	Dock. Tweetie
<b>Class</b>	<b>45 - Novice - Best Cymbidium</b>	
1st	MR. T. COSTA	Cym Chief Josept 'National Velvet'
2nd	MR. T. COSTA	Cym. Peggy Sue 'Five'
<b>Class</b>	<b>47 - Novice - Native Orchid, Species or Hybrid</b>	
1st	MRS. J ROBINSON	Liparis reflexa
<b>Class</b>	<b>49 - Novice - Best Orchid Not Elsewhere Included</b>	
1st	MRS. J ROBINSON	Odontobrassia Kenneth Bivan 'Santa Barbara'
2nd	MR. T. COSTA	Colm. Wildcat 'Mt 4'

<b>Class</b>	<b>50 - Novice - Best Species Orchid (other than a Native)</b>	
1st	<b>MRS. J ROBINSON</b>	<b>Paph. Insigne</b>
2nd	<b>MR. T COSTA</b>	<b>Rossioglossom grande</b>
<b>Class</b>	<b>52 - Intermediate - Best Cymbidium</b>	
1st	<b>MRS. L. GANNON</b>	<b>Cym. One Tree Hill 'Beenak'</b>
2nd	<b>MRS. L. GANNON</b>	<b>Cym. Snow Peterson x Kiwi Magic 'Joan'</b>
<b>Class</b>	<b>54 - Intermediate - Native Orchid, Species or Hybrid</b>	
1st	<b>MR. G BIRSS</b>	<b>Den. Waringah</b>
<b>Class</b>	<b>55 - Intermediate - Best Cattleya</b>	
1st	<b>MRS. L. GANNON</b>	<b>Lc. Mini Purple 'OC' x Lc. Mini Purple 'Marg'</b>
<b>Class</b>	<b>57 - Intermediate - Best Species Orchid (other than a Native)</b>	
1st	<b>MR. &amp; MRS M HANNAH</b>	<b>Paph. Insigne</b>
2nd	<b>MR. G BIRSS</b>	<b>Onc. Ornithorynchum</b>
<b>Class</b>	<b>59 - Best Orchid Exhibited by a Junior</b>	
1st	<b>MST. D COULTON</b>	<b>Phrag. Noirmont</b>
<b>Class</b>	<b>60 - Best Fern</b>	
1st	<b>MR. &amp; MRS. W. CHAPMAN</b>	<b>Maidenhair Fern</b>
2nd	<b>MR. &amp; MRS. W. CHAPMAN</b>	<b>Maidenhair Fern</b>
<b>Class</b>	<b>61 - Best Foliage Plant</b>	
1st	<b>MR. G BIRSS</b>	<b>Unknown</b>

## **Why Humidity is important to Plants** (Courtesy Cumberland Orchid Circle)

All plants inhale carbon dioxide through their leaves. This gas is used in photosynthesis. As the plant opens its leaf pores to take in carbon dioxide, some of the moisture in the leaf can escape. Thus the plants sweat water vapour into the air whenever they breathe.

Dry air causes plants to transpire moisture much more rapidly than does humid air. Water in the leaves evaporates very quickly into air, causing the plant to lose moisture at a rapid rate. When leaves begin to lose water faster than the roots can absorb it - disaster strikes. It is an evil that the plant inflicts on itself, in self-defence. In order not to lose more water to the air, the plant will almost completely close its leaf pores. This slows down the flow of moisture from the plant effectively, but unfortunately it also reduces the intake of carbon dioxide. Without carbon dioxide, the cells begin to die and the plant looks tired and ill.

The important point to remember is that dry air pulls water out of the leaves faster than the roots can supply the leaves. Under these conditions, it doesn't matter how much you water such plants it doesn't help. Over watering only reduces the amount of air in the soil and invites root rot.

When plants have the right humidity they thrive because they open their pores completely and so breathe deeply without threat of excessive water loss. When the air is moist, there is little water loss from the leaf. Damping down the benches and surrounds, also misting leaves will keep the air moist. Rapid temperature rises damages orchids too. It means that the plant's leaves become warm and physiologically active, while the root system in its solid rooting medium, is still cold and consequently physiologically dormant. The active leaves are demanding large quantities of water and nutrients which the root system cannot possibly supply.

Under these conditions, photosynthesis, transpiration and other vital plant processes, are severely restricted and as a result, developing flower growth and new growth are damaged. Rapid rises in temperature on sunny days can be avoided by opening vents or doors early in the morning and letting the greenhouse warm up gradually.

A humid atmosphere that is not moving, is particularly undesirable also. Damp, stagnant conditions encourages mould and bacterial diseases. A constantly moving, light and buoyant atmosphere keeps orchids vigorous and healthy.

# POTASSIUM DEFICIENCY

Recently one of our members was having trouble with yellow areas appearing on the leaves of some of his cymbidium plants, which he is growing down at Griffith. As he works for the Department of Agriculture he discussed the problem with an agronomist in his office. The problem turned out to be a deficiency of Boron and Potassium, but the way they discovered the potassium deficiency was very interesting and may be of use to other members.

Firstly they peeled a banana, then scraped all the white coating from the inside of the skin. This they allowed to dry out completely. (Brett said this would have taken about 4 days in their climate, but they cheated and put it into a dessicator).

Once this was dry and crisp, they ground it into a very fine powder. Next one of the newer leaves from the cymbidium was cut and while the cut was still fresh the cut section of the leaf was buried in the banana powder for about 30 minutes.

The leaf was then removed from the powder and exposed to air. Within about 30 seconds the leaf began to turn purple. Eventually the leaf turned a deep purple.

Had the leaf remained green then the potassium level would have been correct, by turning purple this indicated a deficiency of Potassium in the leaf sample.

Tracing the boron deficiency was not as easy, this was done with specialised equipment that agronomists use for analysing soil deficiencies.

Brett gave the effected plants, in fact all his cymbidium plants, a dressing of complete trace elements and the yellowed areas have now disappeared.

Alan Kerruish

## **What should I do differently in Winter?? - Murray Shergold**

Winter brings different challenges for different orchids grown in different conditions around Australia. For those in the north there are many fewer challenges than for those in the south. In the north, winter sees dry conditions which are easier to control than the wet of the summer/autumn period.

For many growers in the southern half of Australia the winter brings cold and wet conditions for extended periods. This in turn may bring death or at least a setback to many orchids, especially those that prefer a warmer environment than they are now presented with.

How should we manage this?

Firstly, you need to properly understand the needs of each plant. This may involve buying books, asking your peers, searching the net for info and always involves watching your plants closely.

Then, if it is that you have plants that prefer warmth - even only a little - you must learn a new discipline: keep your hand off the hose. Just as extra water might make the difference in summer, less water may be salvation for your orchid in winter. Work out what is the minimum the plant can get away with without shriveling and sit at that for the cool months.

In this day and age we have the benefit of technology and can put this to good use for modest investment and little trouble. The use of an anti-transpirant (Envy is the most common found in Australia) can be a life saver. Spray your plants approximately once monthly with an anti-transpirant over the winter months and you will be amazed at the difference it will make. Anti-transpirants are designed to protect from weather extremes be it frost or heat or wind and are widely used by the industry. They do not inhibit a plant's ability to photosynthesise and grow. They are non-toxic, pH neutral and will biodegrade with sunlight. If mixed 1:10 with water we suggest approximately once monthly for winter will provide a degree of protection that will surprise.

Please remember that anti-transpirants are great products but not miracle cures if you live in Canberra and you are trying to grow hot growing vandaceous orchids, you will still need more than just an anti-transpirant. Go and buy a heater and turn it on and turn it up! Whilst this is written for winter, the same applies in reverse where summer conditions rise above the low 30s for extended periods. Anti-transpirants will help maintain your plant until the cooler times arrive.