

# TOWNSVILLE ORCHID SOCIETY INC.



## APRIL 2013 BULLETIN

Full contact details are on our web site <http://townsvilleorchidsociety.org.au>

**TOS Members:** To print, put in envelopes, put on stamps, and then post copies of the Bulletin, costs time and money. If you would like to receive the TOS Bulletin by email you can email me on the following email address: [siarni@gmail.com](mailto:siarni@gmail.com). You will then receive the Bulletin in colour, with the occasional attachment .

### TOS Inc. Directory of useful information:

Postal Address:	Hall Location:	Meetings are held 8pm
PO Box 836 D.C	Joe Kirwan Park	on the 4 <sup>th</sup> Friday of each
AITKENVALE QLD 4814	Charles Street	month except December
Ph: 07 4773420	KIRWAN QLD	in the Townsville Orchid
		Society Inc. Hall
General Meeting	Novice/New Growers'	Next Management
Friday 26 <sup>th</sup> April	Sunday 28 <sup>th</sup> April	Committee Meeting:
at 8.00 pm	at 1.00pm	Friday 3 <sup>rd</sup> May at 7.30 pm

Patron:	Phyllis Merritt	
President:	Wal Nicholson	Ph: 07 47734208
Secretary:	Jean Nicholson	Ph: 07 47734208
		Email: <a href="mailto:walandjean@bigpond.com">walandjean@bigpond.com</a>
Assistant		
Treasurer:	Charles Lee	Ph: 07 4778 4815
VP Show:	Marie Bloom	Home: 07 47783497
VP Bulletin:	Alis Siarni	Mobile: 0406548057

### TOS CALENDAR 2013

<b>April 2013</b>	26 <sup>th</sup> – General Meeting - 8.00 pm
	28 <sup>th</sup> – Novice /New Growers' Meeting – 1.00pm
<b>May 2013</b>	03 <sup>rd</sup> - Management Committee Meeting – 7.30pm

### Annual Membership Fees

City Family	\$18.00	Pensioner Family	\$9.00
City Single	\$14.00	Pensioner Single/Junior	\$7.00

Details for paying membership fees: BSB: 064823 Account Number: 0009 0973  
Name of Account: Townsville Orchid Society Inc. Commonwealth Bank, Aitkenvale  
**Fees are due 1<sup>st</sup> September each year.**

### JUDGES FOR MARCH & APRIL

#### APRIL

<u>MASTERS/OPEN</u>	A. KNOWLES, W. SEWELL
<u>NOVICE/SPECIES</u>	K. GREENWAY, R. DAVESON

#### MAY

<u>MASTERS/OPEN</u>	D. BENSON, C. TRUSCOTT
<u>NOVICE/SPECIES</u>	T. BOON, A. KNOWLES

### TOS - 2013 SHOW DATES

Winter – 21, 22 & 23

June

Spring 13, 14 & 15

September



Registrar's Choice Best Hybrid  
Dendrobium Unknown owned by  
Stephen Fay – gained 80 points



Registrar's Choice Best Species  
Euanthe sanderana owned by  
Noel & Maureen Grant – gained  
79 points

## LIST OF WINNERS AT AUTUMN SHOW

<b><u>Grand Champion Orchid:</u></b>	Den. Magic x Den. (Mayfair x <i>taurinum</i> )	Charlie Truscott
<b><u>Reserve Champion Orchid:</u></b>	V. Julia Sorensen	Stewart & Alice Zierk
<b><u>Novice Champion Orchid:</u></b>	C. Porcia	Peter & Joanne Lucke
<b><u>Novice Reserve Champion Orchid:</u></b>	Rlc. Donna Kimura	Peter & Joanne Lucke
<b><u>Best Specimen Orchid:</u></b>	<i>Milt. bluntii</i>	Mick Keith
<b><u>Champion Laeliinae Hybrid:</u></b>	C. Porcia	Peter & Joanne Lucke
<b><u>Champion Dendrobium Hybrid:</u></b>	Den. Magic x Den. (Mayfair x <i>taurinum</i> )	Charlie Truscott
<b><u>Champion Vandeae Hybrid:</u></b>	V. Julia Sorensen	Stewart & Alice Zierk
<b><u>Champion Phalaenopsis:</u></b>	Phal. George Vasque x <i>pulchra</i>	Ray & Barbara Robinson
<b><u>Champion Oncidiinae Hybrid:</u></b>	Bllra. Marfitch 'Howard's Dream'	Warren & Clara Sewell
<b><u>Champion Paphiopedilum/Phragmipedium:</u></b>	Paph. Prim-n-proper	Peter & Joanne Lucke
<b><u>Champion Any Other Genera Hybrid:</u></b>	Ctsm. Black Jade	Alf Steel
<b><u>Champion Australiana:</u></b>	Den. <i>biggibum</i>	Ray Nicholls
<b><u>Champion Exotic Species:</u></b>	<i>L. purpurata</i>	Stewart & Alice Zierk

## PRESIDENT'S REPORT

At the risk of repeating myself again, what a great success was our Autumn Show. Even with a slowing down on Saturday due to the Cowboys Home-game, we still set a new record for sales. I thought the show was a great success and that the new arrangement was superior – some fine tuning is necessary, so please let us have your feedback. We have heard some third hand “complaints” which we can't seriously consider unless officially raised. Well how about a forum on the show at our 26 April meeting. Congratulations to the winners and thank you to all who assisted, particularly to our new kitchen volunteer “Olivia” who we have distinguished as an Honorary Junior Member. If you did not have a tea or coffee or three, it wasn't Olivia's fault. Thanks also to the other kitchen workers who always do a sterling job.

We are still short of a few “bodies” to fill vacant committee positions, which makes it harder for the few responsible workers. Particularly we need a Treasurer as Charles Lee does not have the time, more so now that he is a widower, and through his recent repeat hip operation. We could even consider splitting the “job”, after all, if I could handle the show finances as an added chore, it can't be insurmountable. I can't do that forever as I do have a life to lead as well.

Most of our members now know Peter Valmadre from Cairns Orchid Centre through his presence at our shows. Well Peter's Dad George, who would not be known to our more recent members, is about to join a whole group of us by celebrating his eightieth birthday (how time flies). Congratulations old fellow – see you in May. Also I hear that Mick Keith reaches four score this month – must be catching. Congratulations Mick.

No progress to report on air-conditioning our hall, but we are working on it with hopes for installation within a few months.

As I write this I am looking forward to our visit to Ingham for Herbert River Orchid & Plant Society Inc. Field Day and the weather forecast is for rain, and more rain. Let's hope they are wrong and that the rain goes before Sunday. A few members have recently enquired about bark supplies which we can order only by the pallet (40 bags). If you want bark at a cost of \$28/29 please tell me. If sufficient orders approaching 40 bags are received, we will get it. I recently used eight bags, which I got last year, (on Paphs, Phrags & Cymbids) and consequently won't need any for quite some time. A bulk order like this makes quite a saving. Jeff and Alison have done well with other products, so let's keep the ball rolling. Until recent years we all had to look after ourselves. Nuff for now. Wal Nicholson

## NOVICE/NEW GROWERS' REPORT

Welcome to our April Bulletin, and also the start of the Autumn season, which we hope will be a much better milder weather pattern than the hot and dry summer that we have experienced this year. At our March meeting, we had 59 members and visitors who had the pleasure and the chance to met Ray Nicholls, our well known Dendrobium Orchid grower in North Queensland. Ray gave a detailed and knowledgeable talk on the growing of the Phalaenopsis and biggibum type Dendrobium orchids. Ray commented on how he grows his plants, the proper time to re-pot, pot sizes, the type of media that he uses, light requirement, and his method of watering and fertilising his plants. The members would like to thank Ray for his time and effort that he put into this programme, so we should now have a better understanding on how to grow our plants, and also his display of flowering Dendrobiums was greatly appreciated.

An interesting subject was the deflasking of the Phalaenopsis plants from the glass jars by Antionette, Jenny and Kerry, and under the guidance of Alison and Jeffrey, they carefully removed the seedlings from the jars, washed off the remaining residue (agar) and planted them into their growing media (Spagham moss). We have to thank Alison

and Jeff for helping these members in this demonstration of deflasking plants and to all the members who gathered around the table to watch this procedure. There was a good response to the new seedling competition which were handed out to our members at the February meeting and returned to each of the following meetings to measure to see how much they have grown each month. Unfortunately one of our members has already succeeded to kill his Phalaenopsis seedling. In the Popular Voting Competition, the placing in the Novice Section was Joanne Tracey 1<sup>st</sup>, Peter Lucke 2<sup>nd</sup> with Jenny Signato 3<sup>rd</sup>. The Open Section were Janeen Delisco & Frank Ostrowski 1<sup>st</sup>, with Luz & Peter Lewis 2<sup>nd</sup> & 3<sup>rd</sup>. We would like to thank all our members who in some way helped to set up and dismantled the fixtures at the recent Autumn Show, and all the members who helped out on the roster and brought along their plants for the display. As our bus trip to Ingham for the Herbert River Orchid & Allied Plant Society Inc. Field will be over by now, I sincerely hope and trust you all had a enjoyable day and did not spend too much of your money. Also, if you intend going to the Bowen Field Day on the 19<sup>th</sup> May make sure your name is on the list for a seat on the bus, costing \$30.00 plus \$5.00 for your lunch. Our thoughts and best wishes go out to Charles and Maureen and to all our other members who are not enjoying good health at the present time, may there be better days ahead in the future. Many thanks for the wonderful afternoon refreshments that we always enjoy and your generous donations of Raffle Prizes and the purchasing of tickets in the Multi Raffles.

**P.S Missing from the Autumn Show, a white linen Table Cloth Centre, with Orchid and Bottle Brush flowers embroidery, it would be greatly appreciated if you know of this item to please return to Clara.**  
Thank you. Warren Sewell

### **MINUTES FROM GENERAL MEETING HELD 22.03.2013**

**Meeting Opened:** 8pm by President Wal Nicholson who mentioned Treasurer absent following a hip operation. Also mentioned A Hughes and others who haven't been well lately – wishes them well.

**Minutes:** Of previous meeting (22.02.2013) printed in Bulletin Moved as a True record by T Phillips. Seconded by N Grant. Carried.

**Correspondence: Inwards:** (True North Solar, Easy Orchids, Jeannie's Cleaning, TCC Rates, KDP Electrical) A/c paid; CBA/Cash Investment A/c Statement; Aust Post/Renewal PO Box A/c; Ergon Electricity A/c; Harrison Ribbons A/c; Southern Cross/Schedule TV Show add; Campbell's Coaches/Quotes/Ingham & Bowen bus trips; Orchid Wiz/CD; J Knowles/Email/flasks/show rules/transfer shop funds; RHS Soc. Vic/Sect. news/ Amanda Gray/T'ville Bulletin/show adds; Tanya Badham T'ville Bulletin/A/c \$139.90; Bowen OS/ Field Day 19 May; Coralie Hills AOC/Virus handouts/A/c \$102.50; Weight Watchers/new Wednesday meeting times/ Christmas holidays; Aramben Orchids/4 May Sale; D Hobden/\$5 Sales Area payment; E Boon/ emails/new show schedule; Hall Hire/emails re hiring hall; Other Societies/Bulletins/ AOSD Magazine.

**Outwards:** N&M Grant, B Blanchard & L White, C Lee, E Boon, S Cairns/emails re new TOS Rules; Southern Cross/TV show adds; Campbell's Coaches/Accept quote/new time for Ingham; W Sewell/Membership list, schedule, bus lists, show roster; Hall Hire/several emails; Townsville Bulletin (A Gray & T Badham)/Townsville Bulletin Show adds; Coralie/request for handouts; A Siarni/Bulletin items.

J Nicholson Moved Receipt of Inwards Correspondence and Confirmation of Outwards Correspondence. Seconded by M Keith. Carried.

**Business Arising From Correspondence:** Cost of PO Box risen slightly; Ergon A/c very low; show ribbons can be reused if not required.

**Treasury Summary:** given by W Nicholson – several A/cs paid electronically; power point connected to TV set owned by Garden Club cost \$240. He Moved on C Lee's behalf Acceptance of Report with Payment of Cheques Issued Approved. Seconded by R Scott. Carried.

**Novice/New Growers Group Report:** given by W Sewell – Ray Nicholls will speak on Sunday on Phalaenopsis Dendrobiums.

**Growing Competition:** J Knowles – new growing competition of 1 Dendrobium and 1 Phalaenopsis has commenced. Any member who did not receive plants last month, fill in slip and choose plants tonight. Flasks from Easy Orchids arrived.

**Show:** Kitchen and Show Rosters available tonight. Any member who has not paid \$5 for sales area see W Nicholson. Publicity under control. Setting up of show on Thursday at 11am - workers required. Plants may be brought in from 1 – 6.30pm for judging. Harry Wilshefski from Day Dawn Nursery wishes to donate Lucky Door prizes and will have specials at nursery during show.

**General Business:**

**Management Committee Meeting:** changed to Wednesday 27 March.

**Air-Conditioning:** Two further quotes to be given and several other ideas have been discussed. Also where to place the units – on concrete, on walls or on the roof.

Roy Hielscher still has a very solid shade-house for sale.

**New Member:** Paul O'Byrne presented with satchel. Apologies to other new members by Secretary as some items usually placed in satchels not available.

**By-Laws:** these are now known as The Rules of the Townsville Orchid Society Inc. and have been separated from the Constitution to comply with new incorporation regulations.

**Registrar's Choice Certificates:** for January and February meetings handed out to J& A Knowles, N&M Grant and J&S Cairns.

**Registrar's Choice:** for this meeting. **Hybrids:** Den. Unknown gained 80 Points for S Fay. **Species:** *Euanthe sanderana* gained 79 Points for N&M Grant. Congratulations to the growers.

Following the Tea Break E Boon gave an interesting summary of Tabled Plants – appreciation shown by acclamation.

**Lucky Door & Raffle:** Tickets drawn for both and congratulations to winners.

**Meeting Closed:** 9.30pm.

## Points: 22 March 2012

Name	Veteran	Open	Novice	Species	Aggregate
Allison - Allan		3			3
Blanchard - Brendon & White - Lynne				1	1
Bloom - Marie		7		7	14
Cairns - June & Stacey		32			32
Christophers- Grant & Siarni - Alis		4		1	5
Fay - Stephen		4			4
Fighera- Bruno		28		2	30
Grant- Noel & Maureen	80			85	165
Googh - Steven and Fran			12		12
Hardwick- Noel		6			6
Keith - Mick	9				9
Kelly- Greg & Santina	60				60
Knowles- Geoff & Allison	14			11	25
Lee - Charles	20			15	35
Lewis - Peter & Luz		14			14
Lucke - Peter & Joanne			17		17
MacIntyre - Ross & Joan		27		7	34
Marnock- Fred & Donna		13		3	16
Nicholson - Wal & Jean	239			130	369
Phillips - Tina			21	3	24
Sewell - Warren & Clara	34			13	47
Steel - Alf	2			9	11

**EDITOR'S NOTES:** An "**Australia's Biggest Morning Tea Event**" for Cancer, will be held in the TOS Inc. hall on Saturday 18 May 2013 – all are welcome to attend this wonderful event for a very worthwhile charity. There will be Morning Tea, a Silent Cent Sale (including teapots), a Sausage Sizzle, Raffles and More! Further information - Noni Wilson 0438 751 984 or [noniewilson@hotmail.com](mailto:noniewilson@hotmail.com)

A very warm welcome to our **new TOS Inc. members:** **Vivienne Blakeney, Lucy Joynson and Beverley Murdoch.**

A very happy **April birthday** to the following members: **Carl Osborn, Denise Lincoln and Wally Carlill, George Valmadre and Mick Keith.**

### Conferences:

**48th T.Q.O.C. Inc. Conference & Show** hosted by the North Qld (Cairns) Orchid Society Inc. on 3 - 5 May 2013 Registration closes 31. March 2013 List of accommodation places in Cairns available from Jean Nicholson [walandjean@bigpond.com](mailto:walandjean@bigpond.com)

**7th Australasian Native Orchid Society Conference & Show** hosted by Kabi Group Inc. 22 - 25 August 2013 [www.ourshopfront.com/kabi](http://www.ourshopfront.com/kabi)

**Toowoomba Orchid Society Inc. Annual Spring Orchid & Bromelaid Show** 20 - 25 September 2013 (Carnival of Flowers Time)

**Gympie Golden Orchid Spectacular** 8 - 9 June 2013 at The Pavilion, Gympie Showgrounds - \$5 - includes free parking

[johnandkayegreen@southernphone.com.au](mailto:johnandkayegreen@southernphone.com.au)

**SALE OF PLANTS AT FRIDAY MEETING:** Bring along your surplus/for sale plants on Friday night, ensuring that they each bear a name tag as well as a price tag with your number and price on it. Quality plants, free of disease etc. - and in respectable pots or mounts only please.

## Tabled Plants March 2013

### Section: Veterans

Type: Phragmipedium

- 1<sup>st</sup> Phrag. Calurum W & J Nicholson  
2<sup>nd</sup> Phrag. Green Hornet W & J Nicholson

Type: Paphiopedilum

- 1<sup>st</sup> Paph. Shireen W & J Nicholson

Type: Misc. Vanda

- 1<sup>st</sup> Ascda Viroonchanda Gold N & M Grant  
2<sup>nd</sup> Asvts Prapin Queen G & S Kelly  
3<sup>rd</sup> *Rhy. coelestis* 'blue' x *Asctm miniatum*  
N & M Grant

Type: Vascostylis

- 1<sup>st</sup> *Rhy. coelestis* 'blue' x Ascda. Banghunting Gold N & M Grant  
2<sup>nd</sup> Vasco. Pine Rivers W & C Sewell  
3<sup>rd</sup> Ascda. Ng Hee Seng 'Chao Praya'  
N & M Grant

Type: Large Vanda

- 1<sup>st</sup> V. Ratirat x V. Numencia Figueredo N & M Grant  
2<sup>nd</sup> V. Ratchaburi Sirirattana x V. Manuvadee  
W & C Sewell  
3<sup>rd</sup> V. Kapiolea 'Blue Moon' N & M Grant

Type: Cattleya

- 1<sup>st</sup> C. Chocolate Drop 'Kodama' N & M Grant  
2<sup>nd</sup> C. Towering Inferno G & S Kelly  
3<sup>rd</sup> C. Unknown M. Keith

Type: Cattleya cluster

- 1<sup>st</sup> C. Thospol Spots G & S Kelly  
2<sup>nd</sup> Lc. Angel Heart 'Himmand' x  
Slc. Precious Jewel 'Tracey' W & J Nicholson  
3<sup>rd</sup> L. Pumila x Lc. Tiny Treasure 'Tomiko'  
W & J Nicholson

Type: Cattleya

- 1<sup>st</sup> C. Highlight W & J Nicholson  
2<sup>nd</sup> Ric. Orange Nugget x C. Horace  
W & J Nicholson  
3<sup>rd</sup> Bc. Prachurb W & J Nicholson

Type: Cattleya family

- 1<sup>st</sup> Ctna. Why Not Walk 'Jodi' W & C Sewell  
2<sup>nd</sup> *B. nodosa* x Unknown W & J Nicholson  
3<sup>rd</sup> *B. nodosa* x *C. leopoldii* W & J Nicholson

Type: Dendrobium

- 1<sup>st</sup> Den. French Romance 'Blush' W & J Nicholson  
2<sup>nd</sup> Den. Chao Praya Cany x Den. Enobi Stripe  
W & J Nicholson  
3<sup>rd</sup> Den. Pink Nagarindra W & J Nicholson

Type: Dendrobium

- 1<sup>st</sup> Den. Weradei 'Stripes' W & J Nicholson  
2<sup>nd</sup> Den. Burana Pearl 'Stripes' W & J Nicholson

Type: Dendrobium

- 1<sup>st</sup> Den. unknown W & J Nicholson  
2<sup>nd</sup> Den. Jade Junior 'Sawadee' W & J Nicholson  
3<sup>rd</sup> *Den. johanis* x *lasianthera* W & J Nicholson

Type: Oncidium family

- 1<sup>st</sup> Onc. Sharry Baby 'Ruby Doll' W & J Nicholson

2<sup>nd</sup> Onc. Sharry Baby 'Sweet Fragrance'

W & J Nicholson

3<sup>rd</sup> Brs. Tropic Star x Milt. Anne Warne

W & J Nicholson

### Section: Open

Type: Australian Native Hybrids

- 1<sup>st</sup> *Den. dicuphum* x *Den. discolor* B. Fighera  
2<sup>nd</sup> Den. Betty Rose x (Den. Bold Stripes x Den. Marie McFarlane) B. Fighera  
3<sup>rd</sup> Den. unknown B. Fighera

Type: Misc

- 1<sup>st</sup> Den. Unknown S. Fay  
2<sup>nd</sup> Ric. Glen Maidment 'Southern Cross' B. Fighera  
3<sup>rd</sup> Ric. Taiwan Queen 'Golden Monkey' P & L Lewis

Type: Cattleya

- 1<sup>st</sup> Lc. Mona Pink 'Hiromi' P & L Lewis  
2<sup>nd</sup> Ric. Burdekin Heights B. Fighera  
3<sup>rd</sup> Ric. Burdekin Charm B. Fighera

Type: Cattleya large

- 1<sup>st</sup> Bc. Azul Madokai P & L Lewis  
2<sup>nd</sup> *C. loddigessi* x *C. Portiata* B. Fighera

Type: Cattleya small

- 1<sup>st</sup> Gct. Why not B Fighera  
2<sup>nd</sup> Ctna. Raspberry 'Lea' B Fighera

Type: Misc Vandaceous

- 1<sup>st</sup> Ascda. Beverley Woods P & L Lewis  
2<sup>nd</sup> Onsca. Sang Chan R & J MacIntyre  
3<sup>rd</sup> V. unknown J & S Cairns

### Section: Species

Type: Vandaceous

- 1<sup>st</sup> *Eua sanderiana* N & M Grant  
2<sup>nd</sup> *Eua sanderiana* B Fighera

Type: Miltonia

- 1<sup>st</sup> *Milt. spectabilis* var. *moreliana* W & J Nicholson  
2<sup>nd</sup> *Milt. spectabilis* W & J Nicholson

Type: Misc

- 1<sup>st</sup> *Bulb. grandiflorum* G & A Knowles  
2<sup>nd</sup> *Cym. chloranthum* W & J Nicholson  
3<sup>rd</sup> *Ddc. magnum* W & J Nicholson

Type: Cattleya

- 1<sup>st</sup> *C. jenmanii* N & M Grant  
2<sup>nd</sup> *C. bowringiana* T Phillips  
3<sup>rd</sup> *C. loddigessi* W & C Sewell

Type: Dendrobium

- 1<sup>st</sup> *Den. biggibum* W & J Nicholson  
2<sup>nd</sup> *Den. biggibum* W & J Nicholson  
3<sup>rd</sup> *Den. biggibum* W & J Nicholson

### Section: Novice

Type: Dendrobium

- 1<sup>st</sup> Den. Salaya Stripes T Phillips  
2<sup>nd</sup> Den. Burana Pearl T Phillips

# The fungi wars.

*“Ladies and Gentlemen allow me to introduce tonight’s fighters. In the red corner we have those naughty fungi pathogens that attack the roots of your orchids, blacken pseudobulbs and leaves and destroy grand champion blooms (All boo!). In the blue corner our champions – the fungicides (All cheer!).”*

A war indeed, and, one that is being fought in every area of agriculture as “fungicides have become an integral part of efficient food production. The loss of a fungicide to agriculture through resistance is a problem that affects us all.” (FRAC web site)

As avid orchid growers what are the implications of this scenario? Well first we have to recognise that fungi just love to attack our prized orchids and often it is too late to take action if the attack is well under way. Prevention is the best option. How this is best achieved is the mountain high question.

Firstly the conditions under which we grow our plants must be such that fungi attack is minimised. Good air circulation and healthy plants are good starting points.

Secondly we need to have an appropriate fungicide application policy in place. When formulating this policy it is essential to identify the fungi involved, or the fungi that is likely to be involved and to select the appropriate fungicide and spraying conditions (frequency, concentration, etc.) to effectively maintain control, while all the time being mindful of the health, environmental and resistance producing effects of such fungicide spraying program.

A very useful reference in our decision making processes is the work of the Fungicide Resistance Action Committee (FRAC) which was formed in 1981. This is a world-wide committee that “works to prolong the effectiveness of fungicides liable to encounter resistance problems and to limit crop losses should resistance appear.” (FRAC website) One of their major publications that I would recommend to all orchid growers is “FRAC Code List: Fungicides sorted by mode of action (including FRAC Code numbering)”. The importance of this document is that it allows fungicides to be readily identified as to which biological mode of action (MOA) is applicable to them. A program that involves fungicides from at least two different groups can then be developed. “Products should not be used in isolation but rather as mixture, or alternate sprays, with another fungicide with a different (mode) of action. The likelihood of the pathogen developing resistance is greatly decreased by the fact that any resistant isolates to one fungicide will hopefully be killed by the other – in other words two mutations would be required rather than just one. The effectiveness of this technique can be demonstrated by Metalaxyl , a phenylamide fungicide. When used as the sole product in Ireland to control potato blight (*Phytophthora infestans*) resistance developed within one growing season. However in countries like the UK where it was only ever marketed as a mixture, resistance problems developed more slowly. (Wikipedia website).

So there you have it. This does not contain any matching of particular fungicide chemicals to fight a particular fungus, nor does it aid in the identification of fungi, but it provides a thoughtful beginning in our war on fungi!

References.

1. Wikipedia: <http://en.wikipedia.org/wiki/Fungicide>
2. Fungicide Resistance Action Committee (FRAC): <http://www.frac.info/>
3. A section of the FRAC Code List, 2012 showing, amongst others, the fungicide propamocarb (trade name *Previcur*).

MOA	TARGET SITE AND CODE	GROUP NAME	CHEMICAL GROUP	COMMON NAME	COMMENTS	FRAC CODE
F: lipid synthesis and membrane integrity	F1:	formerly dicarboximides				
	F2: phospholipid biosynthesis, methyltransferase	phosphoro-thiolates	phosphoro-thiolates	edifenphos iprobenfos (IBP) pyrazophos	Resistance known in specific fungi. Low to medium risk. Resistance management required if used for risky pathogens.	<b>6</b>
		dithiolanes	dithiolanes	isoprothiolane		
	F3: lipid peroxidation (proposed)	AH-fungicides (Aromatic Hydrocarbons) (chlorophenyls, nitroanilines)	aromatic hydrocarbons	biphenyl chloroneb dicloran quintozene (PCNB) tecnazene (TCNB) tolclofos-methyl	Resistance known in some fungi. Low to medium risk. Cross resistance patterns complex due to different activity spectra.	<b>14</b>
heteroaromatics			1,2,4-thiadiazoles	etridiazole		
F4: cell membrane		carbarnates	Carbamates	iodocarb <b>propamocarb</b>	Low to medium risk. Resistance	<b>28</b>

	permeability, fatty acids (proposed)			prothiocarb	management required.	
	F5:	formerly CAA-fungicides				
	F6: microbial disrupters of pathogen cell membranes	Microbial ( <i>Bacillus</i> sp.)	<i>Bacillus subtilis</i> and the fungicidal lipopeptides produced	<i>Bacillus subtilis</i> strain QST 713	Resistance not known. Induction of host plant defence described as additional mode of action for strain FZB24	<b>44</b>

4. Part of the label of the fungicide, *Previcur*.

**CAUTION  
KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

**Previcur®**

**FUNGICIDE**

Active Constituent: 600 g/L PROPAMOCARB present as the monohydrochloride

GROUP	28	FUNGICIDE
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A systemic fungicide for the control of damping-off of ornamental plants and turf caused by *Pythium* spp., as specified in the DIRECTIONS FOR USE table

### GENERAL INSTRUCTIONS

#### Fungicide Resistance Warning

Previcur Fungicide is a member of the multi-site activity group of fungicides. For fungicide resistance management Previcur is a Group **28** fungicide.

Some naturally occurring fungal populations resistant to Previcur and other Group **28** fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by Previcur and other Group **28** fungicides, thus resulting in a reduction in efficacy and possible yield loss.

Since the occurrence of resistant fungi is difficult to detect prior to use, Bayer CropScience Pty Ltd accepts no liability for any losses that may result from the failure of Previcur to control resistant fungi.

#### Mixing

This product is completely soluble in water. Simply add the concentrate to the water and stir thoroughly when mixing. The mixture is stable and can be used the following day.

etc. . . . Happy Growing! **Jeff Knowles**

### Suspect Orchid Names

Recently, during our very enjoyable bus trip to the Herbert River Field Day, I came across a large vandaceous off-cut for sale. It was labelled "*Vandopsis gigantea* x *Trichoglottis peresii*". I was initially cautious about buying the plant for two reasons: 1. while I was familiar with the first name, I had never heard of *Trichoglottis peresii*, and 2. I was dubious about the hybrid crossing – Vandopsis are large plants about one metre wide with a towering flower spike carrying many large flowers, while *Trichoglottis* is a climbing orchid (best grown on a mount) with short leaves (the plant is only about 15cm wide) and the medium-sized flowers are produced from the stem opposite the leaves. It didn't seem logical to cross such diverse plants, but I was in the grip of "field day fever", and it came home with me. The next day, I consulted both the computer program "OrchidWiz" and the Internet Orchid Species Encyclopaedia at <http://www.orchidspecies.com>. I was disappointed but not surprised that I could not find *Trichoglottis peresii*. No *Trichoglottis* species had a name even vaguely like "peresii" and I walked off, muttering grumpily to myself.

It was now obvious the plant was wrongly named, and the puzzle was on my mind later that day as I decided to re-acquaint myself with *Vandopsis gigantea* (by looking at

<http://www.orchidspecies.com> again). I flicked down the list of *Vandopsis* species, and I noticed *Vandopsis parishii* (named for Charles Parish, a missionary and collector in Burma during the 1800's). "Parishii sounds like peresii if you say it fast" I thought, and checked the entry. I quickly saw that an earlier name for *Vandopsis parishii* is *Hygrochilus parishii*, which OrchidWiz confirmed. In fact, OrchidWiz said that *Hygrochilus parishii* is now the accepted name.

It is my belief that the label on this plant was written by someone with perhaps a hazy knowledge of orchid species names, who was told the name to write in a noisy environment – they were told *Hygrochilus parishii*, but heard *Trichoglottis peresii*. An interesting sidelight is the current name of the hybrid *Vandopsis gigantea* x *Hygrochilus* (syn *Vandopsis*) *parishii* is *Vandopsis Sagarik*, named by the well-known Professor R. Sagarik in 1973.

I have relabelled my new plant as *Vandopsis Sagarik*, and am eagerly waiting for it to flower to confirm my theory (OrchidWiz showed me what the flowers should look like).

**Noel Grant April 2013**

## In Noel's Bush House 13



*Euanthe sandarana*

## In Noel's Bush House 13

*Euanthe sandarana* (Rchb.f.) Rchb.f. (1882),  
syn. *Vanda sandariana*.

Although this handsome monopodial orchid was placed in a separate genus in 1914 due to a small detail (there is no spur on the labellum), it is still recognised by the Royal Horticultural Society as a *Vanda* for hybrid registration purposes, and it is still called *Vanda sandariana* by most people. The name of the genus *Euanthe* is derived from a Greek word meaning "blooming", in reference to the showy flowers. The species is named after the famous Henry Frederick Sander (he started "Sander's List of Orchid Hybrids" and was an influential grower and orchid merchant), whose collector Roebelin discovered it in 1881. It has had more influence in *Vanda* hybridising than any other *Vanda* species, with the possible

exception of *Vanda coerulea*, which adds blue coloration and tessellation to its progeny.

Its natural home is The Philippines, where it is endemic to Mindanao Island, below 500 m. This species has been over-collected and is considered rare in nature, but plants are available from the many improved, line-bred strains in cultivation.

It seems that Townsville's climate is similar to Mindanao Island, as *Vanda sandariana* thrives in my bush house. I have discovered that rainfall in Mindanao is constant throughout the year, so watering this orchid is a daily task. It doesn't seem to need a rest, so I continue to fertilise it through the year, with emphasis on flowering fertilizer from late spring (It is an autumn flowerer). It is recommended to grow it in a hanging basket with minimal fast-draining media.

The roots should be allowed to grow and hang down as far as they choose. They should NEVER be trimmed, as that can set the plant back several years. If you are repotting a young plant, wet the roots thoroughly (so they become flexible) before gently weaving them through the new larger basket. Avoid broken roots at all cost.

I consider this large *Vanda* to be the match of any hybrid, and I am always proud to show it to other growers.

Noel Grant April 2013

Ref: "Growing Orchids, Book Three - Vandas, dendrobiums and others" J.N. Rentoul 1987

The 'OrchidWiz' computer program

[www.sandersorchids.com](http://www.sandersorchids.com)

## GROWING AIDS

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