



# **Native Orchid Society Of South Australia Inc. Journal**



*Thelymitra grandiflora* ssp. *exposita*  
Photo: R. Bates

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# Native Orchid Society of South Australia

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The Native Orchid Society of South Australia promotes the conservation of orchids through the preservation of natural habitat and through cultivation. Except with the documented official representation of the management committee, no person may represent the Society on any matter. All native orchids are protected in the wild; their collection without written Government permit is illegal.

## Contents

Title	Author	Page
Notice Board		27
Annual Report	Robert Lawrence	2 8
Review of March Meeting	Lorraine Badger	30
Destruction of Orchid Rich Swamps	Bob Bates	31
William Hugh Murdoch	Lorraine Badger	32
March Winning Photo	Rosalie Lawrence	33
Plant Recall	Les Nesbitt	34
Satellite Spots Elusive Orchid	Reprint	34
Benched Orchids for March	Les Nesbitt	35
Benched Orchids Photo	David Hirst	36

## Life Members

Mr R Hargreaves†	Mr G Carne	Mrs T Bridle
Mr H Goldsack†	Mr R Bates	
Mr R Robjohns†	Mr R Shooter	
Mr J Simmonst	Mr W Dear	
Mr D Wells†	Mrs C Houston	
Mr L Nesbitt	Mr D Hirst	

## Patron: Mr L. Nesbitt

The Native Orchid Society of South Australia, while taking all due care, takes no responsibility for loss or damage to any plants whether at shows, meetings or exhibits.

Views or opinions expressed by authors of articles within this Journal do not necessarily reflect the views or opinions of the management committee. We condone the reprint of any articles if acknowledgment is given.

**Front cover** - photo Robert Bates, Sept 2014. A newly named subspecies. *Thelymitra grandiflora* ssp. *exposita* R.J. Bates.

This new subspecies of Australia's largest sun orchid (restricted to South Australia) is limited to high, rocky exposed parts of the Flinders Ranges which begin more than one hundred km north of Adelaide. This rare taxon extends for 250 km from near Laura in the south of the Range almost to Arkaroola in the north and is conserved both in national parks and native forest reserves.

Bates, R (2014) A New Subspecies of the "Giant Sun Orchid" *Thelymitra grandiflora* ... *Australian Orchid Review* Vol 79 No 6 p. 52



The Native Orchid Society of South Australia meets every fourth Tuesday of the months February to November at St Matthew's Hall, Bridge Street, Kensington. Meeting starts at 8:00 pm. Doors to the hall open from 7:15 pm to allow Members access to the Library, Trading Table and Grower's Forum.

<b>Date</b>	<b>Event</b>
Apr 18 Saturday	Field Trip – Mt George, Crafers Area – <i>bookings essential</i>
Apr 25 ,26 Sat/Sun	Australian Plant Society Autumn Fair – NOSSA Stall
Apr 28 Tuesday	General Meeting – Speaker: <i>Steve Walker</i> – 'Frogs'
May 9 Saturday	Weeding at Belair
May 23 Saturday	Field Trip Mt Billy & Nixon Skinner CP
May 26 Tuesday	General Meeting – Speaker: <i>Jenny Guerin</i> 'Seed Bank'

### FIRST FIELD TRIP FOR 2015

**Bookings Essential:** Contact Rob or Jenny Pauley  
[nossa.fieldtrips@gmail.com](mailto:nossa.fieldtrips@gmail.com) OR phone: 0402 281 781 (J)

**Saturday 18 April**

**Location:** Mt George area near Crafers

### GENERAL MEETING 2015

Tues 28 April – **Steve Walker** guest speaker. 'Frogs'

\*Launch of Common Orchids of Adelaide Hills Poster

### ARTICLES FOR NEXT JOURNAL

Friday 8 May 2015.

### HELPERS NEEDED - MEETINGS

At the General Meetings helpers are needed both before and after the meeting for things such as:

- Setting out / packing up chairs
- Setting up tables
- Setting up supper table (see Rosalie)
- Serving on Trading Table (see Jan)

Remember the old adage

Many hands make light work

### Orchid Propagation Program

#### COUNTRY HELPERS NEEDED

Some great responses but amongst other things we will require country members who may be able to keep an eye on nearby revegetation sites. You might want to ring and chat to Robert about that one.

### MEMBERSHIP OVERDUE? LAST JOURNAL

There are still many who have not renewed. If you are one a reminder will be sent but this will be the final Journal if you do not renew. **RENEW TODAY**

Remember to add your membership number to determine who has paid.

### 2015 WEEDING DATES - BELAIR NP

Weeding in *Pterostylis cucullata* sites.

- May 9
- June 13
- October 10

Please contact **Thelma Bridle** - Ph: 8384 4174 if wishing to attend and for further information.

### 2015 WEEDING AT BRENTWOOD

Advance notice for weeding at the *Caladenia intuta* site, Brentwood Cemetery **Saturday June 27**

Please contact Thelma Bridle - Ph: 8384 4174 if wishing to attend and for further information.

### Volunteers required APS AUTUMN PLANT SALE

**25 & 26 April** 10 am – 5 pm Wayville Showground

Helpers needed for **NOSSA** stall. If you can help please contact: Rosalie, Ph: 8294 8014.

Any parking costs incurred will be reimbursed by NOSSA for those who volunteer their help.

### NOSSA NAME BADGES

These are very useful when attending field trips, general meetings of assisting at activities outside of NOSSA e.g. APS Autumn plant sale. If you wish to purchase a badge contact: Robert Lawrence

**Membership Liaison Officer** Ph: 8294 8014

Email: [nossa.membership@gmail.com](mailto:nossa.membership@gmail.com)

# Annual Report for 2014

**Robert Lawrence - President**

## General comments

It has been my pleasure and honour to be President of the Native Orchid Society of South Australia for the past year. My experience within the Society prior to this year, has been as an ordinary member and then as Secretary. I hope I am taking the best of what I have seen in others in those years. One initiative that I have taken is to write a 'From the President' item in each Journal with current issues. This appears to have been well received.

## Life Membership

One of the first things to happen at our committee meeting in 2014 was to recommend life membership for **Thelma Bridle**. It is pleasing that this has been approved.

## Secretary

I want to thank **Michael Clark** for stepping into the role of Minutes Secretary in 2014. This has been a challenging task while being involved in a school committee at the same time. We look forward to him having a different role in the committee in the coming year.

## Treasurer

**Gordon Ninnis** has taken on the role of Treasurer for the last two years. His intention from the start was to do this role for two years. He has managed the transfer to using *Cashflow Manager software* for NOSSA finances. We appreciate his efforts in this important role.

## Editor

**Lorraine Badger** has now done a full year of the Journal. She has brought her touch while retaining the tradition of the quality of the Journal.

## Jan Adams

I want to acknowledge the contribution that **Jan Adams** has made to the management committee. We both joined the management committee in March 2009 and Jan has contributed to the Society throughout that time. She has decided not to seek nomination for this year.

## Spring Show management

We have learnt to adapt to not having Bill Dear's input to the Spring Shows since he went to Perth in October 2012. We are indebted to **Les Nesbitt, Jan Adams, John** and **Bev Gay, John** and **Joan Peace, Steve Howard, Jane** and **Don Higgs, Bob** and **Leslie Gunn, Bodo Jensen** for keeping the shows running.



## Electronic Version of the Journal

I would mention some behind-the-scenes volunteer work that is virtually unknown. **Marg Paech** scanned all of the old issues of the NOSSA Journal back in 2013. During the last year, **John Badger** has been editing the scanned documents with the ultimate aim of producing a searchable electronic version with an index. These will eventually be available on the website.

## NOSSA's activities

NOSSA is successful as an organization because of the activities of its members. It is hard to know where to start. NOSSA has continued its activities in surveys, such as those in the South East and even at Wirrabara as supported by Forestry SA. These happen behind the scenes and I am hardly aware of who is contributing their skills and how much time is spent on these. I know of **Malcolm** and **Cathy Houston, Barb** and **Ken Bayley, June Niejalke, Bob Bates** and **Thelma** and **Phil Bridlel**. There are probably others, such as **Kevin Schneemilch** and various members from the South East.

**Leo Davis** has been helping **Joe Quarmby** monitoring different sites. It has been encouraging to see new members become involved. **Sandra Penny-Dimri** helped with repotting some of the donated orchids from Ray Nash's collection. **Robin** and **Jenny Pauley** have volunteered for the Field Trip Coordinator role. We look forward to working with Robin and Jenny Pauley in the coming year.

## Ongoing activities

Thanks to those who help with the general meetings. **Judy Penny** (when she was well enough), **Bev Gay**, **Jeanette Harvey** and **Jan Adams** have helped with the raffle and trading table. **Jill Taylor** helps when she can, even with setting up the seats for meetings. **Jane Higgs** has continued to ably manage the Tuber Bank. People like **Peter Watts** have been a reliable contributors behind the scenes, supplying tubers.

**Les Nesbitt** has been tireless in his role as Registrar of Judges, bringing orchids to show, running the sessions on growing before meetings, helping with starting an Orchids in Schools Program with **Paul Beltrame**. He has reported on his trial plots and on the *Diuris behrii* project.

**Bob Bates** has continued his work looking for rare orchids and documenting previously unpublished species. He has continued to be a resource to NOSSA and has helped on field trips when he could. **Leo Davis** has been helpful as a leader on field trips when plans have had to be changed. **John** and **Lorraine Badger** have checked sites prior to field trips.

**Robin Goodfellow** has started working on the interactive website for identification of native orchids. **Clive** and **Clare Chesson** continue to keep a lookout for orchids in their travels and faithfully supply photographs for the picture competition. **Pauline Meyers** has taken on the role of Librarian and has started recording the books present, with help from the Badgers. **Fred Meyers** is there helping behind the scenes and it is always a delight to have him with us at meetings and field trips.

**Bodo Jensen** helps with leading the field trips at *Mt Lofty Botanic Gardens* each year.

## NOSSA at events

Some have helped with NOSSA events such as the APS Shows. **Les Nesbitt**, **Gordon Ninnies**, **Jan Adams**, **Leo Davis**, **Bob** and **Lesley Gunn** and possibly others have helped. **Thelma Bridle** has represented NOSSA at *Deep Creek Open Day* for the last couple of years. Recently **Rob** and **Jenny Pauley** helped at the *Uraidla Spring* show along with **Les Nesbitt**. NOSSA has been represented at the *Sturt Upper Reach*

*Landcare Group* meetings and *Science Week* with the local schools by **Rosalie Lawrence**.

## Development of a phone app.

In the last month Rosalie and I have worked with **Philip Roetman** of the *Barbara Hardy Institute* within the University of South Australia to produce a phone app to record orchid sightings. This will enable photographs and the location of individual orchids to be uploaded to the Atlas of Living Australia. We have tried this at Mylor Conservation Park over the last two weekends to record *Corunastylis* species; we found 32 over two consecutive Saturday visits. There are some issues to be sorted out before it becomes available for more than the few autumn-flowering species that are there at the moment.

## Other ongoing tasks

Other work behind the scenes is keeping the website going with a fresh post each week. Enquires through the website are either answered or directed to those who can help. Field trips and speakers have been coordinated. Hot drinks have been organised. Cake has even been baked and brought along to general meetings.

## Looking forward to the coming year

In the coming year we hope to review our Rules of Association. The poster on common orchids should be available. We hope to explore opportunities for citizen science and to get involved in the propagation of threatened orchids in South Australia with involvement with Dr Noushka Reiter.

## REMINDERS:

Volunteers required for NOSSA plant Stall at Australian Plant Society Autumn Sale 25 & 26 April

Parking costs incurred will be reimbursed by NOSSA.

## Overdue Membership Fees

There are still a number of membership fees that are outstanding. A reminder will be sent but this is the final Journal if not renewed.

## Orchid Propagation Program

Expressions of Interest for this program have been promising. However, hearing from country members who could keep an eye on nearby revegetation sites would be appreciated. Contact Robert Lawrence .



# Review of March Meeting

**Lorraine Badger**

The Annual General Meeting in March was again well attended. The election of officers, under the very capable and well organised hands of Jan Adams, was a speedy event since there was only one name against all positions bar the Show Marshall which remains vacant.

The 2015 team is as follows:

President	Robert Lawrence
Vice President	Kris Kopicki
Secretary	Rosalie Lawrence
Treasurer	Gordon Ninnis
Editor	Lorraine Badger
Assistant Editor	Helen Lawrence
Committee	David Hirst
	Bob Bates
	Sandra Penny-Dimri
Membership Liaison Officer	Robert Lawrence
Conservation Officer	Thelma Bridle
Botanical Advisor	Bob Bates
Field Trips Co-ordinators	Rob & Jenny Pauley
Trading table	Judy Penny
Librarian	Pauline Meyers
Show Marshall	Vacant
Registrar of Judges	Les Nesbitt
Tuber Bank Co-ordinator	Jane Higgs
Web-site Manager	Rosalie Lawrence

The guest speaker for the evening was Kris Kopicki who spoke on another of his interests:

## Carnivorous Plants

Often misnamed insectivorous plants, carnivorous plants are predatory, attracting, killing and digesting animals from protozoans through to small vertebrates, gaining the required nutrients for survival.

Kris shared how he was initially attracted to these interesting plants from a very young age which gave way to a love of slipper orchids after his carnivorous plant suffered a terrible death as a result of an accident. Since then his love for these plants has vascillated from one to another.

Through his magnificent photography, he took the audience, albeit briefly, into this amazing world of

some 740 species that grow in low nutrient environments, acidic bogs and even rock outcrops over every continent bar the antarctic, with particular reference to Australian plants.

Kris described in detail the various trapping mechanisms of carnivorous plants covering pitfall traps, fly paper traps, snap traps, bladder traps and pitcher pot traps. A most interesting presentation which I am sure was enjoyed by all. Thank you Kris.



*Cephalotus follicularis* (Albany Pitcher Plant)  
Photo Courtesy Kris Kopicki

**Speaker Next meeting** – Steve Walker on  
'Frogs'



## Destruction of Orchid Rich Swamps along Cleland Gully

**Bob Bates**

In the late 1960's and 1970's I spent a lot of summer weekends and holidays walking the swamps along Cleland Gully Creek and its tributaries out of Mount Compass.

Some twenty swamp orchid species were there then. There were great clumps of *Cryptostylis* around coral fern patches on the creek, hundreds of *Spiranthes alticola* on lightly grazed seepages and wet paddocks and several peaty bogs with the white *Spiranthes* species Late selfing white. [Note that I am using the modern names not what we called them then.] Of the sun orchids *Thelymitra holmesii* was abundant, *T cyanea* appeared in the better sites, *T flexuosa*, *T pallidifructus* and *T brevifolia* were in an ever changing blend. I imagine there were many other sun orchids for which I wouldn't have had a name.

The *Orthoceras* in peat bogs higher up the gullies were of a form I have never seen anywhere else, very tall with almost black flowers. Summer *Eriochilus* were in all the peaty areas but at the time I didn't realise they were a different species from *E cucullatus*. There were many *Microtis* but my favourites were 50 cm tall *M rara* or *M oblonga* as some call it today (but if the illustration in Orchids of Australia 2006 is correct that name would not be appropriate).

In any case they only occurred around coral fern thickets where cows nibbled the ferns. There were thousands of *M parviflora*, several of one I called *Microtis crassulata* [probably *M. fragrans* of today]; and in the upper reaches a few patches of *Microtidium* after deliberate fires which farmers lit to open up the swamps ready to convert them to pasture.

I was lucky to meet a local orchid enthusiast, Bill Stone, of Nangkita. He showed me a location for what is now *Specularantha uliginosa* which were flowering with the swamp midge *Corunastylis ciliata* or *Prasophyllum archeri* as we knew it then.

The common *Prasophyllum* in the swamps then was *P australe* but the sites it preferred then are too dry now. Another pretty summer leek orchid with pink flowers we called *P hartii* in those days, but it is probably undescribed as it was not *P murfetii*.

Duck orchids were all through the sandy patches outside the swamps but there are none now.

In the early seventies one could walk all day without leaving the swampy places full of orchids. It is very different now; all dairy farms or houses, quarries, alpaca or impenetrable blackberry and reeds. Yes that's right the native *Phragmites* has become a weed as it has no competition from gum trees or shrubs and re-sprouts quickly after grazing, not that the cattle get far into it because they cannot turn their heads at an angle to munch it. On the drier swamp edges another 'native' has become a weed. That is the bracken fern in huge patches, with no orchids among them. My guess is that before I started visiting, there were twenty other orchids in Cleland Gully but we will never know what they were. Sadly there are few orchids left in the district today and I have no intention of looking these days at the destruction. All the swampy areas are drying now due to changed hydrology: bores, dams, drains. Sad, but now it is too late.



Undescribed *Prasophyllum* from Cleland Gully  
1978

Photo courtesy Bob Bates.

# William Hugh Murdoch, Anzac Veteran

17 September, 1885 - 24 July 1989

**Lorraine Badger**

William Hugh Murdoch, known as Bill, was born at Poowong in Victoria's Gippsland.<sup>1</sup> Later in life he became an orchid grower, eventually becoming co-founder of the Australian Native Orchid Society (ANOS), after sending out letters in 1962, suggesting the formation of a Society, to fellow Native Orchid Growers

However, it is not for that reason alone, that we remember him in this journal. This month is the hundred year anniversary of the first battle of our new country, at Gallipoli. Following several weeks training in Egypt, William landed at ANZAC Cove with the 17th battalion on 16 August,<sup>2</sup> just four months after the initial landing. The battalion was mainly responsible for the defence of Quinn's Post.<sup>3</sup>

Conditions on the Dardanelles peninsular 'defy description.' Water was scarce. Food rations were limited to mainly bully beef and hard tack biscuits. 'The terrain and close fighting did not allow for the dead to be buried. Flies and other vermin flourished in the heat, which caused epidemic sickness'.<sup>4</sup> Under these conditions William, amongst dozens of men, contracted Enteric Fever, better known as Typhoid Fever, just three months after his arrival. He was sent by hospital ship, *SS Nevasa (sic)*, to Alexandria back in Egypt before being sent to the Australian hospital in Helios on the outskirts of Cairo and then the Enteric Convalescent Camp in Port Said.

On 21 January 1916 he was declared fit to travel and was repatriated to Australia for three months of rehabilitation, leaving Pt Said on the Suez, via the HMAT *Commonwealth*. Almost nine months later he returned to join his battalion, first

disembarking in England. Four days before Christmas Day in 1916, he left the UK to join his battalion which had returned to Etaples, France following a spell in a quieter sector of the front in Belgium following the battalion's first major battle at Pozières between 25 July and 5 August. In their new location they manned the front through a very bleak winter and William was again needed hospitalisation on several occasions for frostbite, diarrhoea, being wounded in action and finally Trench Fever a few weeks prior to armistice in 1918. He embarked for Australia in March 1916 reaching Australia in May where he was discharged.

Again when WWII commenced William re-joined the Army and was involved in training and later as 'Voyage Only Officer'.

## **Bill Murdoch Trophy**

Bill is also remembered by ANOS through the Australia wide, Bill Murdoch Trophy for Champion Australian Native Orchid Species of the Year. It is not often that a South Australian wins this prestigious award but Kris Kopicki has become the latest recipient for his winning entry, *Caladenia discoidea*, in the NOSSA 2014 Spring Show.



Congratulations  
Kris Kopicki

<sup>1</sup> Birthdate gleaned from:

<http://www.irabutlertrophy.org/WRMurdoch.htm> However, on his enlistment papers of 2 February 1915 it states that he was aged 19 years and 4 months – which would suggest he was born about October 1895.

<sup>2</sup> Taken from his Army records in the Australian Archives and online at <http://recordsearch.naa.gov.au/>

<sup>3</sup> The 17th Battalion <https://www.awm.gov.au/unit/U51457/>

<sup>4</sup> Gallipoli <http://www.1914-1918.net/Gallipoli.htm>



## March Winning Photo

*Rosalie Lawrence*



***Sarcocylus falcatus***



***Simpliglottis valida***



***Diuris palustris***

Three winners; three very different orchids but that is typical of Australian Orchids. There is no one species that you can point to and say that is a typical orchid as illustrated by the winners which were Kris Kopicki's *Sarcocylus falcatus*, David Mangelsdorf's *Diuris palustris* and Pauline Meyers' *Simpliglottis valida*.

*Sarcocylus falcatus* is an epiphyte. The cultivated plant in this photo originated from the Mt Banda Banda area, 50 kilometres west of Kempsey. Epiphytic/lithophytic orchids are found across northern Western Australia through the Top End and from a narrow band down the east coast to Tasmania; that is in all States except SA. About a quarter of Australian orchids are epiphytes, yet despite the widespread distribution, 90% of epiphytic orchids are found primarily in the rainforests of north-eastern Queensland.

*S. valida* and *D. palustris* are terrestrial, the larger of the two orchid groups. Terrestrials are mainly found across the southern part of the continent with some occurring in the north and tropics. Their optimal habitat is the various types of sclerophyll forests found in Australia. There is some distribution overlap but the two groups mainly occupy different habitats.

*Simpliglottis valida*'s habitat ranges from tall moist closed forest to shaded places of drier open forests to sphagnum bogs and in the mature pine plantations of the South East. Whereas *D. palustris* occurs in wet and swampy habitats in the Eastern states (named from the Latin *palustre* meaning swampy). However, in South Australia it is not so. Instead it is found in open terrain of grassland, grassy woodland, mallee and scrubland.

### **SOME ODD FACTS:**

*Simpliglottis valida* is a small ground hugging plant; the scape (flowering stalk) of which elongates to 10 cm or more after pollination. *YouTube* has a video showing these plants (see below). In New Zealand it is described as vagrant having been introduced from Australia.

*Sarcocylus falcatus* is the most common and widely distributed species of this genus in Australia. Occasionally it is lithophytic (grows on rocks). Though it had been rated Endangered and downgraded to Vulnerable in 2005, it is still under major threat from illegal collecting, trampling, water pollution, weeds and fire.

*Diuris palustris* is uncommon in SA and Tas; and rare in Victoria. *D. palustris* was one of the subjects painted by Adelaide colonial artist and cartoonist Margaret Cochrane Scott in 1890s.

References follow

**References:** All internet references accessed on 31st March 2015  
'talking'. <https://www.youtube.com/watch?v=ux01IYHRINw.I>

**References:**

[https://www.anbg.gov.au/cpbr/cd-keys/orchidkey/html/intro-c\\_habitat.html](https://www.anbg.gov.au/cpbr/cd-keys/orchidkey/html/intro-c_habitat.html)

<http://anpsa.org.au/APOL19/sep00-1.html>

[http://www.nativeorchids.co.nz/Species/Simpliglottis\\_valida.html](http://www.nativeorchids.co.nz/Species/Simpliglottis_valida.html)

<http://data.rb.gov.au/vicflora/flora/taxon/4cebc1f9-38da-4c61-9c3c-37c2efc6da32>

Mark Clements The Allure of Orchids 2014

<http://www.iucnredlist.org/details/44392876/0>

Bates 2011 South Australia's Native Orchids

## Plant Recall

### *Les Nesbitt*

Please bring along your plants from previous years to the April meeting so that we can compare growing methods and all learn a bit from those that have survived. To jog our memories those native species were:

2012 *Dendrobium teretifolium*

2013 *Dendrobium linguiforme*

2014 *Dendrobium comptonii*

The seedling for 2015 is *Sarcochilus hartmannii*, a nationally listed threatened species. Given

appropriate protection in summer this rock growing lithophyte thrives in Adelaide. Plants send out side shoots that eventually result in specimen plants producing masses of white flowers in late spring. This species is in nearly all the *Sarcochilus* hybrids we see today. A seedling will be available to each member at the April meeting. The society subsidised price will be \$2.00 per plant in a 50mm tube. Pay at the trading table.

## Satellite Spots Elusive Orchid

### *Peter Terry*

**Reprinted** from NOSSA Journal, Volume 6, No. 7, August, 1982

EXTRACT FROM 'THE AUSTRALIAN'

MAY 29/30, 1982

More than 100 underground orchids, among the most rare and mysterious of plants, have been detected in Western Australia with the help of a satellite orbiting 900 km above Earth. The feat is being hailed as a botanical breakthrough and a world first for the Landsat satellite. The orchid's tiny pale pink flowers, which last about four weeks, rarely see the sun. The plant is no more than about 12cm long. They live underground, sheltering in the roots of the bush shrub, honey myrtle. Their stems are enclosed in soil and only when flowering do they approach the surface. Even then, in their natural habitat, they flower below such surface debris as dead leaves and twigs. Only their distinctive vanilla-like scent helps insects seek them out for pollination. Until now, botanists feared they were extinct. Only a handful have been unearthed since the first example was discovered by accident in 1928. The latest

discovery was achieved by a team from the university of Western Australia's botany department, under a project financed by the World Wildlife Fund. The team used Landsat to pinpoint areas of undisturbed bushland in the central wheat belt where honey myrtle is most prolific. The coloured map images Landsat sent back enabled the team to find the areas and painstakingly search the undergrowth.

"We have found the best crop of underground orchids yet discovered," said one of the group leaders, Professor John Tate. "It is one of the few plants known that grows totally underground."

But the discovery will not lead to flower shop sales of the elusive orchid. It is a protected species, and the Government is expected to declare the area where they were found a special reserve.

# Benched orchids for March 2015

## *Epiphytes: Open Division*

Species:		Hybrid
1 <sup>st</sup> <i>Dendrobium bowmanii</i> uki	Steve Howard	1 <sup>st</sup> Nil
2 <sup>nd</sup> <i>Dendrobium bowmanii</i>	Kris Kopicki	2 <sup>nd</sup> Nil
3 <sup>rd</sup> <i>Dendrobium schneiderae</i>	Kris Kopicki	3 <sup>rd</sup> Nil

## *Epiphytes: Second Division*

Species:		Hybrid	
1 <sup>st</sup> Nil		1 <sup>st</sup> <i>Den. Jesmond</i> Sparkler 'Greg Hall'	Jan Adams
2 <sup>nd</sup> Nil		2 <sup>nd</sup> <i>Den. Graham</i> Hewitt X Gai Ellen	Jan Adams
3 <sup>rd</sup> Nil		3 <sup>rd</sup> Nil	

## *Terrestrials: Open Division*

Species:		Hybrid
1 <sup>st</sup> <i>Pterostylis laxum</i>	Kris Kopicki	1 <sup>st</sup> Nil
2 <sup>nd</sup> <i>Eriochilus cucullatus</i> Les Nesbitt		2 <sup>nd</sup> Nil
3 <sup>rd</sup> Nil		3 <sup>rd</sup> Nil

## *Terrestrials: Second Division*

Species:		Hybrid
1 <sup>st</sup> Nil		1 <sup>st</sup> Nil
2 <sup>nd</sup> Nil		2 <sup>nd</sup> Nil
3 <sup>rd</sup> Nil		3 <sup>rd</sup> Nil

### Popular Vote:

#### OPEN DIVISION Epiphytes:

##### Species:

Hybrid: *Dendrobium bowmanii* Kris Kopicki

#### 2<sup>nd</sup> DIVISION Epiphytes

##### Species:

Hybrid: *Den. Jesmond* Sparkler 'Greg Hall' J Adams

#### OPEN DIVISION Terrestrials

Species: *Pterostylis laxum* Kris Kopicki

Hybrid: Nil

#### 2<sup>nd</sup> DIVISION Terrestrials

Species: Nil

Hybrid: Nil

### Best Orchid for Night

*Dendrobium bowmanii* uki Steve Howard



## March 2015 Benched Orchid Photos



*Eriochilus cucullatus*



*Dockrillia bowmanii-*



*Eriochilus cucullatus*



*Dockrillia bowmanii-*



*Pterostylis laxa*



*Dendrobium schneiderae*