

Native Orchid Society Of

South Australia Inc.

Journal



November 2014 Volume 38 No. 10

Native Orchid Society of South Australia

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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 from an original drawing of *Pterostylis cucullata* ssp. *cucullata* by Thelma Bridle. Used with her kind permission. *Pterostylis cucullata* ssp. *cucullata* is a rare, short-statured species of Leafy Greenhood which grows only in coastal regions. Thought to be extinct in SA, a NOSSA member discovered a large population in 2013, growing in the lower South East close to the Victorian border.



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 p.m. Doors to the hall open from 7:15 pm to allow Members access to the Library, Trading Table and Grower's Forum.

Date	Event
Nov 23 rd Sun	RSVP due for Christmas BBQ Email: nossa.membership@gmail.com
Nov 25 th Tues	General Meeting Auction, Raffle and Supper
Nov 29 th Sat	End of Year BBQ at Higg's place, Myponga – further details below
Dec 2 nd Tues	Committee Meeting - Lawrence's place – 24 Patricia Ave., Camden Park
Dec 5 th Fri	Articles for Journal due
Dec 6 th Sat	Judges Meeting – Les Nesbitt's place 18 Cambridge St, Vale Park
Dec 27 th Sat	Field Trip - Mount Lofty Botanic Gardens - bookings essential
Jan 24 th Sat	Field Trip - Stipiturus – bookings essential – limit of 10 persons
Feb 24 th Tues	General Meeting

ANNUAL AUCTION AND SUPPER

The traditional end-of year Auction will be held at the November Meeting (25th). Please bring donations for the auction to the meeting – plant related or otherwise and don't forget to bring money so that you can bid for new treasures.

Please bring a plate of food for a shared supper. also

DONATIONS REQUIRED FOR CHRISTMAS RAFFLE

Please bring something for the Christmas raffle to the meeting. Food items need to be current into 2015. **NOTE:** *Help will be required with setting up/clearing up of supper.*

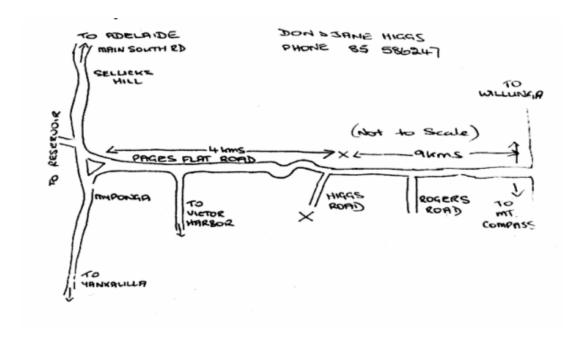
CHRISTMAS BBQ

Saturday 29th October RSVP by 23rd Oct nossa.membership@gmail.com or phone 8294-8014.

The venue for the BBQ will be Jane and Don Higgs property at Myponga. (see map below) NOSSA will provide the meat.

Please bring: a salad or dessert to share and \$2 donation per person.

Also bring cups, plates, utensils and drinks other than tea-bags, coffee, milk & sugar. Chairs and tables will also be provided.



TUBER BANK Urgent

Tubers (or, at this stage, promise of prospective tubers) are urgently needed for the Tuber Bank. Could you please let me know if you have any, and what they are, as soon as possible, so that I can compile a list before December. Than you. Contact details are as follows:

Jane Higgs
Phone no 08 8558 6247
PO Box 134, Myponga, SA 5202
Email: jhiggs@activ8.net.au

FIELD TRIPS Bookings essential

nossa.membership@gmail.com OR phone: 8294 8014

- December 27th Sat. Mt Lofty Botanic Gardens
- 2015 January 24th Sat. Stipiturus -Spiranthes. Maximum of 10 persons

JUDGES MEETING

The final judges meeting for the year will be on **Sat 6th December** at Les Nesbitt's place,

18 Cambridge St, Vale Park

COMMITTEE MEETING

Next committee meeting is on *Tuesday 2nd December* at the Lawrence's place – 24 Patricia

Ave., Camden Park

NOSSA LIBRARY BOOK RETURN

Please return all books to NOSSA library at the November meeting so that an audit can be completed over the break.

WELCOME TO NEW MEMBERS

- Helen & Terry Wilby, Aldgate and welcome back to
- Mike Pielor of Belconnen, ACT

ARTICLES FOR NEXT JOURNAL

Articles need to reach the Editor no later than Friday 5th December. Thank you.

ANNUAL SUBSCRIPTION INCREASE

Gordon Ninnes, Treasurer

With no changes to the membership fees for 10 years the committee has resolved that there should be an increase in the cost of annual subscriptions of \$5.00. This has been brought about by increased costs of postage, hall hire and other general increases.

This will need to be ratified at the next general meeting.

In anticipation of this all those paying for 2015 subscriptions will pay \$25.00 subscription with a hard copy of the journal and \$20.00 for an electronic copy of the journal. People who have paid before the committee meeting of Nov 3rd, and there are a few, will not need to pay the extra \$5.00 for 2015.

NOTE: subscriptions are due as of Jan 1st 2015 and you need to be financial to vote at the AGM.

NEXT GENERAL MEETING FEB 2015

Please note: no General meetings in December or January. The next general meeting will be held on Tuesday 24th February.

Sarcochilus fitzgeraldii



Sarcochilus Fitzhart 'Finnigan'



Photos: David Hirst

Sarcochilus Fitzhart



FROM THE PRESIDENT

Robert Lawrence

October general meeting

It is a challenge sometimes to fill in time at a general meeting while the judges deliberate, but this month it turned out to be an opportunity for interaction. Bill Dear, who was visiting from Western Australia, told us about the native orchids he sees where he lives. John Eaton told us about the work he was doing on developing trails in the Kersbrook area. Pauline Meyers told us about orchids seen in her recent travels. Paul Belatrame gave us an update on the orchids in schools program at his school. Les Nesbit gave us some insight into the work of Dr Noushka Reiter and explained why funding is sought for a new laboratory supporting conservation work. I mentioned a white spider orchid found at Valley Hindmarsh that warrants investigation. The benched Sarcochilus and other flowering orchids made a delightful display. To top it off, we had the wonderful presentation by Clive and Clare Chesson. It is a pity the projector was not working properly.

A dry spring

We have had negligible rainfall since August which has greatly reduced the display of spring orchids for this year. The early summer orchids like the Duck Orchids (*Caleana major*) and Horned Orchids (*Orthoceras strictum*) are most likely already finished. However, the Hyacinth Orchids (*Diplodium* species) are shooting and look like starting to flower by the end of November. I still see some Sun Orchids (Thelymitra species) in my travels, so some of

these should be flowering in the warmer days of November.

Committee meeting

We had a rather long meeting at the beginning of November. While we systematically worked



through the agenda, we had interesting discussions on side issues. For example, an impromptu discussion of the photo competition and whether to have more recognition of winning photographs. The general conclusion was that the competition has given sufficient incentive for people to submit photographs and that the main purpose of the pictures was as a prompt for education. This has been working well through the Journal and the website and we have been seeing a wonderful display of the variation in Australian Orchids.

Other business concerned behind the scenes matters which are necessary to keep the Society functioning. We talked about speakers for future meetings. A volunteer to help coordinate speakers would be more than welcome.

After discussion it was decided that a donation of \$1,000 go to Dr Noushka Reiter. A review of journal costs and membership fees was also discussed. (See Gordon's information)







October Meeting Review – Sarcochilus Show

Lorraine Badger.

The October meeting is always going to be something special being the Sarc show, but this time it had an added dimension as Robert has pointed out. The sharing time was a great way to fill in the gap whilst judging was going on. It was good to hear of what others have been doing in conjunction with orchids and conservation. Unfortunately this left little time for

our guest speaker Clive Chesson. Assisted by his wife, Claire, he shared his power point of bush gems that we can so easily ignore in our haste to find, at times, the elusive orchids. Their photography was magnificent considering the minute size of many of the plants. Thankyou Clive & Claire for showing us a different side to the bush.

Scott Creek Conservation Park Field Trip

October 4, 2014

Delwyn and Neville Clark

On a bright, sunny day with a forecast maximum temperature of 30C, fifteen people assembled at Gate 18 near the Almanda Mine site in Scott Creek Conservation Park. Before the group set off to hunt for orchids, Bob Bates showed us specimens that were affected by thrip. He explained to the group the effects on the plants; deformed flowers, stunted growth and an inability to set seed. Included with the specimens was a greenhood collected from a friend's property. This orchid had grown in the Park in the past but was no longer found there. It was a highly effective demonstration of the effect of thrips that he had written about in the June edition of the NOSSA journal in an article "New Threats to South Australian Orchids".

Other threats mentioned in Bob's article were the feral deer and the current burning regime applied by the authorities. We had visited the Park over several days in late September to plan a walk for the ARPA walking group to which we belong. We had rerouted the walk because of burning in the Park and during a visit on 29 September we saw four feral deer grazing in the SAWater land adjacent to the Neville Road boundary to the Park, so we had direct exposure to two of the threats. We were surprised during those earlier visits by the few orchids seen and by the stunted growth of the specimens found. As we had been absent from South Australia for nearly three months over the winter we assumed a lack of winter rain was the cause. The explanation of the thrip predation was therefore of great interest to us.



The first site visited was across the road from the Almanda Mine at Gate 19. The site was moist and cool with a south westerly aspect and unaffected by any recent fire. Specimens of greenhoods with a long flowering time were found, Nodding Greenhood, (Pterostylis nutans); Maroon-hood, (P. pedunculata;) Also seen were the Small Gnat Orchid, (Cyrtostylis reniformis), Orchid, Spider (Arachnorchis the King tentaculata) and a bud of the Spotted Donkey Orchid (Diuris pardina). On the main track was the Wallflower Donkey Orchid (Diuris orientis).

The second site was accessed through Gate 17 onto Neville Road. The narrow track from Neville Road up to Currawong Track has long been one of our favourite walks but we are not alone in this as Leo Davis announced he was leading us up his secret track. When scouting for the ARPA walk we saw very few orchids and had no

expectations. How wrong we were! Despite the burn we saw many species, nevertheless the effect of the burn was evident. Bob Bates showed us King Spider Orchid with the fireleaf tip affected. The leaf had grown before the fire and the flower had grown



after the fire (probably in May). A number of the Tall Leek Orchid (*P. elatum*), a wide spread and locally common species which flowers mainly after fire was seen as were: the King Spider Orchid (*Arachnorchis tentaculata*), Common Pink Sun Orchid (*T. rubra*), Small White Sun Orchid (*T. albiflora*), Late Donkey Orchid, (*Diuris brevifolia*), Queen Spider Orchid (*A. leptochila*), small sun orchid Caladenia carnea var (pygmea)* and Frog mouth sun orchid (*T. batesii*). Many photos were taken despite the wind.

The group continued by vehicle to the next site on the Shingleback Track just short of the ETSA Spur. With the temperature around 30C and the sun shining, a good variety of orchids were open. We were instructed in what to look for in the column of a sun orchid to aid identification. When we looked at our photos after the outing we realize there is a lot to learn.

After visiting the third site some of the group departed and others went to the top of the park for lunch and further investigation.

Thanks to Bob Bates, Leo Davis and the Lawrence family for a most enjoyable and educational day.



Editor: Great to see new members contributing to the journal. Thanks Delwyn and Neville. Thanks also to Leo Davis for supplying photos.

* *Caladenia pygmaea*.as published. Reference: Bates, R. J. (2014) <u>Caladenia pygmaea, the pygmy finger orchid validated at species level (after more than a century of being misunderstood)</u> in Australian Orchid Review October-November Issue page 55.

NOSSA has purchased the 2014 series of this magazine. They will be available in the library in 2015.



Sighted Plant record: R. Bates

Site code - Site 1: Eys Tunnel, Site 2: burn near Neville Rd, Site 3: Shingleback track, Site 4: ETSA spur

Orchid name	NOTES	Flower, bud, seed
Arachnorchis leptochila	All small , some thrip damage but, 2,3	F
Arachnorchis tentaculata	All dwarfed, many damaged, all sites	
Bunochilus viriosus	One dead plant, no capsules at 3	
Caladenia carnea	Few near 1	F
Caladenia prolata	Few 1,2, stunted	F
Caladenia pygmaea	Recently raised to species status Many on burn in 2	F
Calochilus robertsonii	Common around 4 C platychilus also occurs in Park	F and B
Cyrtostylis reniformis	One colony in 1	F
Diplodium sp	Dead plants at 3	
Diuris brevifolia	Single fresh flower on burn in 2, a very rare species now in Scott Creek	F

Diuris orientis	One plant in 1	F
Glossodia major	In all sites, most dwarfed and with thrip damage	
Leptoceras menziesii	Few shrivelled leaves but Leo had seen some in flower near the burn.	
Linguella Hills nana	Few dried off in all sites	
Microtis spp	Many plants seen with aborted flowers, full of thrips, species known from the sites include M frutetorum and M parviflora	
Nemacianthus caudatus	Large healthy colony at 4	S
Plumatichilos sp Woodland	This is the most common plumed greenhood in SA but un named well photographed at 3	
Prasophyllum elatum	Many on the burn in 2, all stunted This species used to be mostly 1metre tall.	
Prasophyllum pallidum	a large colony close to the gate in 1 but all were sucked dry by thrips - leader showed a damaged spike	
Pterostylis nutans	In good flower at 1, finished elsewhere	F and S
Thelymitra albiflora	Some at all sites mostly sucked dry by thrips but one pretty group in 1	F
T. alcockiae	About twenty plants in 3 and many hybrids see below	F
T antennifera	Lots in 4 but none setting seed	F
T batesii	One on track in 2	
T benthamiana	2,4 in bud on burn, leopard orchid	
T bracteata	One seen in bud at the start, recognised by the long greenish buds	
T. brevifolia	Leaves at most sites, thrips destroy the flowers	B aborted
T carnea at most sites	Rarely seen open but many were in flower at 2. and 3 close to T rubr	F,B,S
T carnea x rubra	A rarely seen hybrid (4)	F
T. chasmogama	T alcockiae x T rubra at 4	F
T. flexuosa	Just a few at 4	S
T grandiflora	Lots of leaves but the largest pant in full flower at 3	F
T x irregularis	Lovely clusters in full bloom at 4 near power pylon	F
T. juncifolia	The narrow bud subspecies common at 3	F, B
T. juncifolia x T. alcockiae	Quite a few lovely specimens at 3	F
T. juncifolia x T. albiflora	One pale spotted hybrid at 4	F
T juncifolia x T. brevifolia	Two hybrids at 3	F
T luteocilium	Seen in seed but its hybrid with T juncifolia was seen in flower at 4	S
T. rubra	Common in all in various colours, some with bright red columns others wholly yellowish. All fully open and contrasting with the T luteocilium seeding nearby at 3	F
T pauciflora complex	Many in bud or aborted due to thrips	B. F
T pauciflora x T alcockiae	Nice cluster at 3, deep blue flowers	F
T. x truncata	This T juncifolia x T pauciflora hybrid with tubular column mid lobe is common in the park	
Thelymitra hybrid	Other crosses were not clearly identified	3,4



CONSERVATION REPORT

Thelma Bridle

The Deep Creek Open Day was very successfu and another is already diarised for 20th Sept 2015 – no doubt clashing with the NOSSA Show again.

Surveys

NOSSA members have participated in a number of surveys during Sept-Oct with Joe Quarmby or as part of the Southern Lofty Block team. Orchid

numbers have been fewer at most sites this spring due to the dry conditions.

The *A. richardsiorum* survey in the SE proved interesting and will probably occur again next year to complete and make a few collections. Orchid numbers were down this year.

I am waiting for DEWNR to contact me regarding a date for the *P. frenchii* survey in the SE. This is already fully booked.

ORCHIDS IN SCHOOLS - KILDARE COLLEGE

October 2014

Les Nesbitt

The shadehouse construction is continuing as fast as 3 hours per week will allow. The shadecloth cover has been installed. What a

difference it makes on a hot day to the interior temperature and atmosphere. A second layer of shadecloth is necessary for summer as one layer of 50% white shadecloth lets through enough light to burn leaves on verv hot davs. Benching has still to be completed and there is a doorway but no door yet. The small but increasing plant collection has been moved into the shadehouse.



NOSSA next year when new root systems have established.

Three

Microtis arenaria flowered during the September school holidays in the native garden and have since set We seed. can expect lots of Microtis plants in a year or two. The other terrestrial orchids in the garden have died down for the summer.

plants

of

The girls have practiced pollination and hybridising on cymbidium flowers. Time will tell if any pods will

form. Each week I take along a different genus that is flowering. The last session featured Sarcochilus. This genus is not hardy enough for a school orchid collection in Adelaide as there are no bulbs to store water for the hard times like summer school holidays.

Paul has taken delivery of a second-hand laminar flow cabinet. Exciting possibilities lie ahead..

orchids will soon be enough for each student to be allocated a pot to care for. A large plant of *Den. speciosum* from the Hymer collection was divided and a division donated to the school. The other divisions will become raffle prizes at

I have presented the toolbox and contents from

OCSA to Kildare's orchid group along with the

bags of bark donated by NOSSA. They were gratefully received. Promised donations of

OCTOBER WINNING PHOTO

Rosalie Lawrence



This month's entries, *Diuris palustrus* (Chris Davey); *Oligochaetochilus arenicola* (Helen Lawrence); *Caladenia flava* (Pauline Meyers); *Calochilus robertsonii* (David Mangelsdorf) and *Caladenia procera* (Kris Kopicki) illustrated the variety of shapes to be found in orchids.

All but one are reasonably common; all but one were photographed in situ but the odd one out was the winning picture by Kris Kopicki – Caladenia procera. Its common name,

Carbunup King Spider Orchid, reflects its location near Busselton Western Australia. This species has a severely limited distribution with a small population which is threatened by land

clearing for development. Consequently it is rated as critically endangered.

The other aspect of this plant is that it is a photograph of a plant in a pot not the bush. Kris benched the original plant at the September Tuesday meeting when it was still in bud. By Saturday it was in glorious flower.

This picture exemplifies the two objects of NOSSA which are "to promote and engage in activities for the promotion and furtherance of:

- a) the culture, propagation, conservation, knowledge and scientific study of the native orchids of both Southern Australia and the Australasian region;
- b) the preservation of orchids as a species and their preservation within their native habitat."

Some terrestrial orchids are relatively easy to grow but not this one. It takes time patience and skill to grow them. *C. procera* is one of the fungi dependent species and though capable of living many years, it can take up to six years before flowering, although under ideal conditions it could mature in as little as two years.

Being able to grow the different terrestrial orchids is one of the ways NOSSA can help in their conservation. NOSSA has a Growers' Forum each meeting night where members can attend and learn from experienced growers how to grow both epiphytes and, importantly, the terrestrials.

References:

Native Orchid Society of South Australia Inc. (NOSSA) Rules of Association 2007

Caladenia procera – Carbunup King Spider, Orchid Species Profile and Threats Database (SPRAT) – http://www.environment.gov.au/cgi-bin/sprat/public/publicspecies.pl?taxon_id=68679 – access 6th November 2014

Remember:

November's theme is Orchids and Insects (Spiders and other critters accepted as Honorary Insects) - refer to 2014 April Journal for hints on photographing orchid pollinators.

SARCOCHILUS SHOW - OCTOBER MEETING

Section	Place	Orchid	Grower	POPULAR VOTE (Tied)
Sarcochilus	1 st	Sarco hartmannii	D & J Higgs	Sarcochilus hartmannii
hartmannii	2 nd	Sarco hartmannii	Steve Howard	Don & Jane Higgs
Sarcochilus	1 st	Sarco falcatus	Kris Kopicki	(Photo D. Hirst)
falcatus	2 nd	Sarco falcatus	Kris Kopicki	
Sarcochilus	1 st	Sarco fitzgeraldii	J & B Gay	
fitzgeraldii	2 nd	Sarco fitzgeraldii	J & B Gay	
Other	1 st	Sarco olivaceus	Kris Kopicki	
Sarcochilus sp	2 nd	Sarco australis	Kris Kopicki	
Other	1 st	Nil		
Sarcanthinae sp	2 nd			186
Other allied sp.	1 st	Nil		
	2 nd			
Sarcochilus	1 st	Sarco Fitzhart 'Finnegan'	D & J Higgs	Sarcochilus fitzgeraldii
Fitzhart	2 nd	Sarco Fitzhart 'Clara'	J & B Gay	John & Bev Gay
Sarc. Hybrid pre-	1 st	Sarco Rachael	D & J Higgs	(Photo D. Hirst)
dominantly white	2 nd	Sarco (Heidi XFitzhart)	D & J Higgs	
Sarc. Hybrid		Sarco Patricia Abell		
Pink/Red	1 st	'Pink Chiffon'	D & J Higgs	
	2 nd	Sarco Highton Magic 'Pink Parade"	J & B Gay	
Sarc. Hybrid	1 st	Sarco Sunny	J & B Gay	
Yellow/ Green	2 nd	Nil		
Sarc. Hybrid	. ct	Spathulatus X Weinthali	Western Orchids	
Any other colour	1 st	Sarco Western Surprise		
	2 nd	Sarco Western Surprise	Western Orchids	
Allied	1 st	Rhincs Lava Burst	Steve Howard	
Intergeneric Hybrid	2 nd	Plectochilus Kilgra	Western Orchids	
TIYOTIU				
Best Seedling		Sarco (Duno Nicky's		A24
Sarc –	1 st	Twin X Elegance)	Steve Howard	
1 st flowering	2 nd	Sarco Rachael	D & J Higgs	
Best Specimen	1 st	Sarco Hartmanii	D & J Higgs	
Sarcochilus	2 nd	Sarco Hartmani	L Nesbitt	
Champion of Sarcochilus Show	1 st	Sarco Rachael	D & J Higgs	Champion of Sarc Show

BENCHED ORCHIDS FOR OCTOBER 2014

Epiphytes: Open Division

Species:Hybrid1st Cymbidium canaliculatumSteve Howard1st Nil2nd Dendrobium linguiformSteve Howard2nd Nil3rd Cymbidium canaliculatumSteve Howard3rd Nil

Epiphytes: Second Division

 Species:
 Hybrid

 1st Nil
 1st Nil

 2nd Nil
 2nd Nil

 3rd Nil
 3rd Nil

Terrestrials: open division

Species:Hybrid1st Phaius tankervilleaeLes Nesbitt1st Nil2nd Diuris punctataKris Kopicki2nd Nil3rd Diuris drummondiiKris Kopicki3rd Nil

Terrestrials: Second division

 Species:
 Hybrid

 1st Nil
 1st Nil

 2nd Nil
 2nd Nil

 3rd Nil
 3rd Nil

POPULAR VOTE:

BEST ORCHID FOR NIGHT

OPEN DIVISION <u>Epiphytes</u>:

Species: Dockrillia linguiformis Kris Kopicki

Hybrid: Nil

2nd DIVISION Epiphytes

Species: Nil Hybrid: Nil

OPEN DIVISION *Terrestrials*

Species: Tie

Phaius tankervilleae Les Nesbitt
AND Diuris punctata Kris Kopicki

Hybrid: Nil

2nd DIVISION <u>Terrestrials</u>

Species: Nil





Benched Orchids October 2014

Photos: David Hirst





Diuris drummondii 'Butterfly'

Cymbidium canaliculatum 'Tenterfield'

Phaius tankervilleae 'albae'







November 2014



Dendrobium monophyllum

Diuris punctata

Phaius tankervilleae

Dendrobium monophyllum







Lava Burst

Dendrobium monophyllum

Dendrobium linguiforme







Cymbidium canaliculatum



Dendrobium linguiforme

Sarcochilus Show October 2014

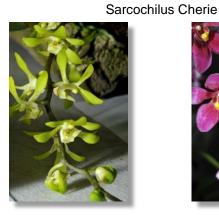
Photos: David Hirst







Sarcochilus australis





Sarcochilus Patricia Abell 'Pink Chiffon'



Sarcochilus olivaceus



Sarcochilus Fitzhart



'Pink Parade'

Sarcochilus Highton Magic

Sarcochilus Cherie 'Concerto'

Sarcochilus Duno Nickys Twin x Elegance

Sarcochilus Rachael

Sarcochilus fitzgeraldii







Sarcochilus hartmanii

Sarcochilus Tigersun

Sarcochilus Fitzhart 'Finnigans'