



Journal
of the
Native Orchid Society
of
South Australia Inc



NATIVE ORCHID SOCIETY OF SOUTH AUSTRALIA

Post office box 565 Unley 5061

The Native Orchid Society of South Australia promotes the conservation of native orchids through cultivation of native orchids, through preservation of naturally-occurring orchid plants and natural habitat.

Except with the documented official representation from the Management Committee of the native orchid society of South Australia, no person is authorised to represent the society on any matter.

All native orchids are protected plants in the wild. Their collection without written Government permit is illegal.

PATRON: Mr T.R.N. Lothian

PRESIDENT:

Mr George Nieuwenhoven
Telephone: 8264 5825

SECRETARY:

Cathy Houston
Telephone: 8356 7356

VICE-PRESIDENT:

Mr David Pettifor

TREASURER:

Mrs Iris Freeman

COMMITTEE:

Mr David Hirst
Mrs Thelma Bridle
Mr Roy Hargreaves
Mr Malcolm Guy

LIFE MEMBERS:

Mr R. Hargreaves
Mr L. Nesbitt
Mr D. Wells
Mr R. Robjohn
Mr G. Carne
Mr R. Bates

EDITORS:

Bob & Kerry Bates
38 Portmarnock Street
Fairview Park 5126
Tel: 8251 2443
E-mail bobbates63@hotmail.com

REGISTRAR OF JUDGES:

Mr L. Nesbitt 8261 1550

FIELD TRIP COORDINATOR

Mr G Carne 8332 7730

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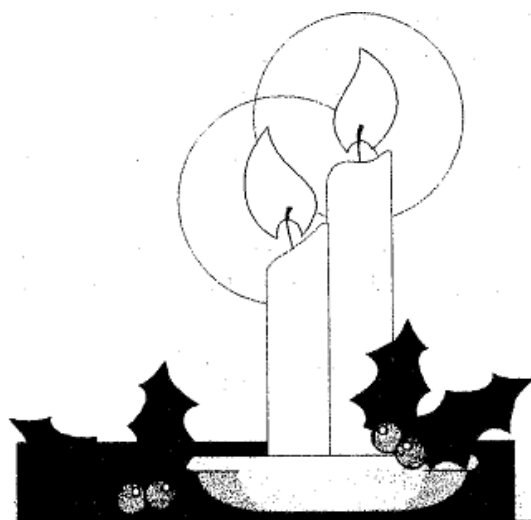
NATIVE ORCHID SOCIETY OF SOUTH AUSTRALIA INC

DECEMBER 1998 Vol. 22 No. 11 JOURNAL

FEBRUARY MEETING

Tuesday February 23 at 8.00 pm: Saint Matthews Hall, Bridge Street, Kensington. First meeting for 1999.
Speaker Bob Edge on Orchid Photography.

Doors open at 7.15 to allow trading table to set up and library to proceed.



The President and NOSSA
management committee wishes
all members and their families
a safe and very happy Christmas
and an enjoyable and prosperous
New Year.

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DIARY DATES

Jan 14	<i>Dipodium pardalinum</i> and Wirraminna	Bridgewater
Feb 13	<i>Genoplesium</i> special to Simpson	Victoria
Feb 23	Bob Edge on Photographing Orchids	Kensington
March	'99 Late <i>Dipodiums</i>	Mt Lofty
March	'99 Adelaide Hills <i>Genoplesium</i>	Scott Creek
March 23	Bruce Mules Speaking	Kensington
April	Bob Markwick	Kensington
May 2	Parks Festival	Belair

COMING FIELD TRIPS:

Dipodium ?pardalinum and *D. roseum* special! January 14th. Meet at old Bridgewater Railway Station just off the Freeway at 9am. Note: an early start is a cool start! Coffee and ice cream afterwards at Mt Lofty. If cool enough some members are heading to Wirraminna in the afternoon

Simpson *Genoplesium* special February 13th. Meet in the main street of Simpson via Terang at 10am. We hope to have Geelong ANOS group members as guides and should see several *Genoplesium* spp. you won't find in South Australia as well as the fabled *Orthoceras novaezealandiae* and *Arthrochilus*.

Next Committee Meeting will be held at 7:30pm, Wednesday Feb 3rd, at George and Nancy's, 15 Robin Tce., Hope Valley.

ON THE BENCH:

Epiphytes----*Bulbophyllum schillerianum*, *Dendrobium fleckeri*, *D. monophyllum*, *D. canaliculatum x ruppianum*, *Dockrillia cucumerinum*, *Sarcochilus ceciliae*, *S. hartmannii*, *S. ceciliae* x Lois, S. Cherie.

Terrestrials ----- *Diuris drummondii*, *D. Frogmouth*, *D. Dragonfly*, *Dipodium ensifolium*, *Microtis media* ssp. *media*, *M. media* ssp. *quadrata*, *M. parviflora*, *Pterostylis lingua*, *P. squamata*, *P. Jumbuck*.

PLANT COMMENTARIES George Nieuwenhoven & Noel Oliver

JUDGING

Terrestrial species

1st *Pterostylis squamata* Tasmania grown by Nesbitts Orchids

2nd *Microtis media* grown by David Pettifor

3rd *Diuris drummondii* grown by Nesbitts Orchids

Terrestrial hybrids

1st *Diuris* Frogmouth grown by G. Nieuwenhoven

2nd *Diuris* Dragonfly grown by G. Nieuwenhoven

3rd *Pterostylis* Jumbuck grown by Nesbitts Orchids

Epiphytic species

- 1st *Dendrobium fleckeri* grown by G. Nieuwenhoven
 2nd *Bulbophyllum schillerianum* grown by
 3rd *Sarcochilus hartmannii* grown by W. Walloscheck

Eiphytic hybrids

- 1st *Sarcochilus Lois* grown by S&P Edwards
 2nd *Rhinochilus Aussie Passion* grown by G&J Burford
 3rd *Sarcochilus fitzhart* grown by S&B Meszaros

Plant of the Night *Pterostylis squamata*

POPULAR VOTE

Best Terrestrial: *Diuris* Dragonfly grown by L. Nesbitt

Best Epiphyte *D. canaliculatum* grown by G&J Burford

TUBER BANK 1998-1999

See back page of this journal for this summer's tuber bank order form. If you would like to co-ordinate the tuber bank in 1999 please see the management committee.

MORE INTERESTING ORCHIDS SEEN THIS SPRING

Ken and Barbara Bayley of Balaklava recently discovered *Calochilus ?robertsonii* at Spring Gully. This is the first record of any bearded orchids in the Northern Lofty region. They also confirmed the occurrence of the rare *Prasophyllum pallidum* in the same park.

NOSSA is planning a mid October excursion to the area next year as several rare Spider orchids have also been seen around Clare flowering in mid October and we may combine the trip with a winery visit.

An exciting find made by Mal and Cathy Houston at Centennial Drive Mt Crawford is a hybrid *Pterostylis* which appears to be a cross between *P. curta* and *P. falcata*. *P. curta* is still common in the area but *P. falcata* has never been collected in the Northern Adelaide Hills. However the creek here flows through rich soils and although the hydrology has changed since clearing, and suitable habitat for *P. falcata* no longer exists, the area has patches of creekside silky ti-tree, the favoured habitat of *P. falcata*. The hybrid is further evidence that the species was once widespread in the Mount Lofty Ranges. Note also the first record of *Caladenia carnea* var. *ornata* in South Australia, mentioned above in T. Bridle's South-east Excursion Report. Some more albino orchids reported to the editors this spring include *C. conferta*, *P. curta* and *T. megalyptra*.

AUSTRALIAN NATIVE ORCHID. HYBRID REGISTRATIONS.

Jan-July 1998

Name	Parentage	Registered by
<i>Dendrobium</i>		
Beulah	<i>speciosum</i> x <i>D. cucumerinum</i>	M. White
Candy	Lustrous x Candice	N. Finch
Cheeky	Rutherford x Candice	N. Finch
Comboyne	<i>pugioniformis</i> x <i>fairfaxii</i>	David Banks
Kagayaki	Hohoemi x <i>fairfaxii</i>	Seiki Nurs
Kangaroo	Eureka x Aussie Ira	Orchid Images
Mega	Brinawa x Sunglow	N. Finch
Miracle	Hilda Poxon x Aussie Charm	W. Fisher
Victoria Yondi	Brellan x Star of Gold	W. Turville
<i>Pterostylis</i>		
Wal Pamur	<i>baptistii</i> x <i>foliata</i>	K Western (W. Walloscheck)
<i>Sarcochilus</i>		
Hot Ice	Cherie x Heidi	R. Clement
Margaret Cottrell	Melody x <i>P. hirticalcar</i>	D. Smedley
Sweetheart	Fitzhart x Riverdene	R. Clement
Velvet	Nicky x Riverdene	N. Finch
<i>Sarconopsis</i>		
Danuttery	<i>Srnps.</i> Lavinia x <i>S.hartmanii</i>	Orchid Images

A NEW *GLOSSODIA* X *CALADENIA*

In a recent NOSSA Journal we looked at an inter-generic hybrid between *Calochilus* and *Thelymitra* made by Heinrich Beyrle in the early 1990s. Heinrich also made a cross between *Glossodia major* and *Caladenia latifolia* about the same time. This cross was recently flowered in Adelaide by Les Nesbitt and seems rather attractive as well as increasing vegetatively. We should see it in flower at our 1999 Spring Show.

Les Nesbitt also reports that he has also made a third generation *Caladenia* hybrid ... *Caladenia* Fairy Floss x *C. tentaculata*.

AUCTION AND CHRISTMAS PICNIC REPORT

At the November meeting the Auction raised nearly \$380! Many thanks to auctioneers Les and Reg Shooter, ably assisted by Geoff Edwards, Bill Dear, Thelma Bridle and Joan Peace.

Nearly forty members attended NOSSA's final event for 1998; the Christmas picnic and barbecue at Hazelwood Park Burnside; the weather couldn't have been better.

LETTER FROM KARAN SMITH: DEHAA

RE *Pterostylis arenicola* working bee!

I wish to thank the members of the Native Orchid Society who took part in the weeding day at Grange Golf Course on Nov 8th. It was excellent to continue the work of previous years. We all enjoyed seeing how the veldt grass and other weeds had retreated from the sandhill greenhood's habitat, along with the accompanying pile of pulled weeds representing the morning's work. The programme will continue next year.

My position has been transferred to the Dept. of Environment at Kensington. After a transitional period the recovery plans for threatened plants, previously handled at Black Hill will be run through here. I can be contacted on 8204 888. Manfred Jusaitis, previously Senior Scientific Officer at Black Hill has been transferred to the State Herbarium at the Botanic Gardens where his emphasis will be on plant research.

Received Dec 1st

WEEKEND EXCURSION TO NARACORTE AREA 3-5/10/98

by Thelma Bridle

Twenty three NOSSA members were waiting at Mount Monster by 10am. Pleased to welcome 4 members from Victoria and catch up with friends from the SE, a long convoy proceeded to the carpark. *Pterostylis* aff. *aciculiformis* were found on top of Mount Monster and excellent views of the surrounding fertile plains were afforded from this large granite outcrop. The *Caladenia carnea* on the rock were small, whilst those in the surrounding bush were large flowered, many well coloured and often with 2 flowers.

Caladenia cardiochila and many forms of *C. x variabilis* - the natural hybrid between *C. cardiochila* and *C. patersonii* were found. Some appeared to be hybrids with other *Caladenia* species. One form was very similar to *C. reticulata*, whilst another had dark clubs. Not all hybrids had the heart-shaped labellum of *C. cardiochila* and/or rounded calli.

Christmas Rock had a spectacular display of 18 species, amazing in this very small roadside area, not even protected as a conservation area. *Caladenia arenaria* with creamy flowers, long drooping sepals with elongated osmophores and broad labellum, with four rows of small calli and two rows of fringing calli, were in flower. A triple-headed hybrid with *C. colorata* was found. The common *Diuris* here was probably *D. brevissima*, this being a later-flowered species than the familiar *D. pardina* in the Adelaide Hills. There were several green comb spider orchids - *Caladenia tentaculata*, *C. tensa*, *C. stricta* and *C. verrucosa*. Somebody disturbed a brown snake, fortunately one of only two found over the weekend.

We stopped at Desert Camp Conservation Reserve, intending to move to the Conservation Park later, but found all the species we were expecting in the Reserve. *Prasophyllum fitzgeraldii* is apomictic in the SE, and this non-sexual reproduction results in some unusual looking flowers. We thought we had also found *P. occultans*, but close examination of photographs soon revealed they were all *P. fitzgeraldii*. *P. odoratum* was plentiful, all flowers with strongly reflexed labellums. *Thelymitra antennifera* was in flower but other sun orchids were only in bud in the cool weather, except for two spikes of *T. megacalyptra* in full flower sheltered under a bush. *Caladenia prolata* with up to 3 flowers per stem were flowering in litter at the base of eucalypts and yaccas. The largest *C. patersonii* hybrid of the day had a 7cm long dorsal sepal, with lateral sepals 8cm long. We hurried on to our last stop of the day and Peter Bayley took us to an excellent spot in Padthaway Conservation Park. The many *Caladenia formosa* and *C. patersonii* hybrids ranged from red to pink, cream and yellow-green with few to many calli, some with labellum fringes and

some labellums more curled under than others. They certainly had the cameras clicking. Peter had arranged an evening BBQ at Padthaway and we were able to sit in a warm shed for both the BBQ and an excellent slide show, courtesy of David and Allan, which produced much interesting discussion.

On Sunday morning we began with a visit to Les McHugh's shadehouse, full of flowering orchids, particularly *Caladenia patersonii* hybrids which Les grows and flowers so successfully. A private block at Stewarts Range had many flowering *Caladenia colorata* ranging from white, through cream to pink. A large double-headed albino was well photographed. Unfortunately the flowers of *Pterostylis smaragdina* were finished. This form of *P. longifolia* has a distinctive emerald stripe on the labellum.

A sandy area in Fairview Conservation Park had suffered a bushfire about 9 months earlier and we were able to visit this normally impenetrable bush via the bulldozed firebreak tracks. *Pyrorchis nigricans* were in full flower here but surprisingly only one fire-stimulated dark *Prasophyllum elatum* was in flower. Many *Caladenia carnea* were flowering and several *C. arenaria*. Moving to a privately owned block of wet heathland, the swamp variety of *Eriochilus cucullatus* was in seed. In a wooded area of the same block was *Pterostylis tasmanica*, shorter than *P. plumosa*, with a short upright galea tip and no transparent "windows" on the galea. A short stop on the roadside opposite Talapar Conservation Park revealed yet another *Caladenia* hybrid with a wide labellum, brown sepal tips and narrow segments. *Microtis frutetorum* and *M. arenaria* were both flowering.

Our last visit of the day was a return to Padthaway Conservation Park. As *Thelymitra epipactoides* had finished flowering due to the unseasonably warm weather, Peter took us to a different area. *Diuris sulphurea* was in bud, with *D. brevissima* in flower. Again *Pterostylis tasmanica* was in flower, growing a single specimen in the munties groundcover. A number of *Calochilus robertsonii* were in flower or bud. Many *Caladenia colorata* and hybrids were flowering. *C. formosa* had finished flowering but there were many hybrids. *C. cardiochila* flowers ranged from pale to deep red and the *C. x variabilis* appeared in various forms, some very similar to *C. reticulata*.

Monday morning was another fine, slightly warmer day. Some visitors from the Robe and Pinaroo areas joined us as we visited Yelland's bush block. A summer bushfire had wreaked havoc here, seemingly destroying the orchid population, but in the last few weeks they had appeared again and were spectacular. *Caladenia formosa* was flowering, with its deep red labellum and narrow drooping sepals. *Caladenia carnea* var. *ornata* was positively identified, with its red labellum uprights and parallel lateral sepals. *C. cucullata* flowers were numerous, *C. cardiochila* was identified here for the first time and *Calochilus robertsonii* was flowering freely in the unburnt areas. *Dipodium pardalinum* shoots were already several cms high in this early flowering saprophytic orchid. The trees they were closest to had been killed by the fire, but perhaps the orchid can still obtain nourishment through the roots. It wasn't quite warm enough for *Thelymitra ixioides* to be fully open and all the other sun orchid species were in bud. *Corybas unguiculatus* (a small self-pollinated helmet orchid) was found with tall seed pedicels.

The sky was turning grey as we headed to the wet heath on the southern boundary of Bangham Conservation Park. The spring-flowering shrubs here were superb. *Callytrix tetragona* and *Hibbertia stricta* in particular almost relegating the orchids to second place. Here we were able to find 15 species of orchid in a relatively short period of time. *Prasophyllum odoratum* were of particular note, some having very dark, brown-sepalled flowers. Rain was beginning to set in as we were discussing a weekend for next October and planning an evening to view each other's slides and photographs. Over 50 species of orchid were found over the weekend and such success was due largely to the assistance provided by Les McHugh and Peter Bayley in determining orchid locations. We extend our sincere thanks to them and the landowners who permitted us access to their properties and their continuing interest in maintaining suitable habitats for the orchid populations to prosper.

ORCHID LIST - NARACOORTE AREA - OCT 3-5, 1998											
	Mount	Christmas	Desert	Padthaway	Stewarts	Fairview	Deland	Talapar	Padthaway	Kyby	Bangham
	Monster	Rock	Camp	CP	Range	CP	block	roadside	CP	block	CP
<i>Acianthus pusillus</i>	leaves									seedpods	
<i>Caladenia arenaria</i>		flowers	flowers			flowers	flowers				
<i>C. arenaria hybrids</i>		flowers	flowers							flowers	flowers
<i>C. cardiochila</i>	flowers			flowers		flowers			flowers		
<i>C. carnea</i>	flowers	flowers	flowers	flowers	flowers	flowers	flowers	flowers	flowers	flowers	flowers
<i>C. carnea var. ornata</i>										flowers	
<i>C. colorata</i>	flowers				flowers				flowers	flowers	flowers
<i>C. colorata hybrids</i>				flowers	flowers					flowers	flowers
<i>C. cucullata</i>										flowers	flowers
<i>C. formosa</i>									flowers over	flowers	
<i>C. formosa hybrids</i>				flowers						flowers	
<i>C. latifolia</i>					flowers		flowers				
<i>C. prolata</i>			flowers	flowers	flowers	flowers	flowers		flowers		
<i>C. reticulata hybrids</i>	flowers								flowers		
<i>C. stricta</i>		flowers								flowers	
<i>C. tensa</i>	flowers	flowers									
<i>C. tentaculata</i>		flowers									flowers
<i>C. x variabilis</i>	flowers	flowers						flowers			
<i>C. verrucosa</i>		flowers						flowers			
<i>Calochilus robertsonii</i>									flowers	flowers	
<i>Corybas sp.</i>					leaves		leaves				
<i>Corybas unguiculatus</i>									leaves		
<i>Cyrtostylis reniformis</i>	leaves		leaves		leaves	leaves	leaves			leaves	
<i>Dipodium pardalinum</i>										buds	
<i>Diuris brevissima</i>		flowers	flowers						flowers	flowers	flowers
<i>D. sulphurea</i>									buds		
<i>Eriochilus cucullatus</i>	leaves	leaves									
<i>E. cucullatus (swamp var.)</i>						seedpods					
<i>Glossodia major</i>										flowers	flowers
<i>Leporella fimbriata</i>		leaves				leaves	leaves			leaves	leaves
<i>Leptoceras menziesii</i>	leaves										leaves
<i>Microtis arenaria</i>								flowers			
<i>M. frutetorum</i>	flowers	flowers	flowers		buds	buds	leaves	flowers	leaves	flowers	
<i>Prasophyllum elatum</i>						flowers					
<i>P. fitzgeraldii (apomictic)</i>			flowers								
<i>P. odoratum</i>			flowers								flowers
<i>Pterostylis longifolia</i>							seedpods		seedpods		
<i>P. nana</i>		seedpod									
<i>P. pedunculata</i>				flowers	flowers		flowers		flowers		
<i>P. plumosa</i>		flowers	flowers		buds	flowers					
<i>P. aff. rufa</i>	flowers			flowers					flowers		
<i>P. sanguinea</i>	seedpod	seedpod									
<i>P. smargadyna</i>					flower over						
<i>P. tasmanica</i>		flowers					flowers		flowers		flowers
<i>Pyrorchis nigricans</i>	leaves	leaves	leaves			flowers	flowers		leaves	flowers	leaves
<i>Thelymitra antennifera</i>	flowers		flowers			flowers	buds			flowers	flower
<i>T. lxiodes</i>						buds				flower/bud	buds
<i>T. luteociliium</i>	buds					buds					
<i>T. megacalyptra</i>		buds	flowers	buds						buds	
<i>T. nuda</i>						buds	buds				buds
<i>T. pauciflora</i>	buds		buds		buds	buds	buds		buds	buds	buds
<i>T. rubra</i>			buds				buds	buds	buds	buds	buds

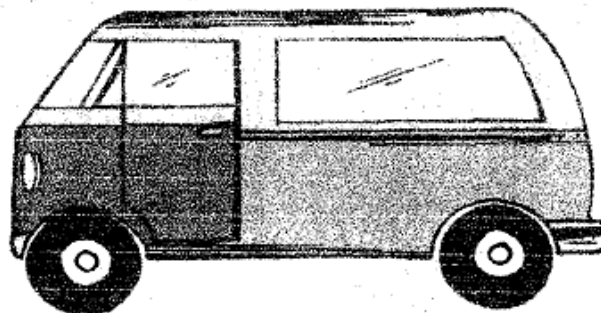
FROM THE LIB

No books this month, have been busy looking through back issues of the Australian Orchid Review. Those which we have are now filed in three folders. They contain some interesting reading so I thought I would reproduce this piece of prose that we can all identify with. It is reproduced from the December 1991 issue and in doing so the author and editor are acknowledged. Pleasant reading, Merry Christmas and I trust that your orchids grow, and to perfection !

Geoff Edwards

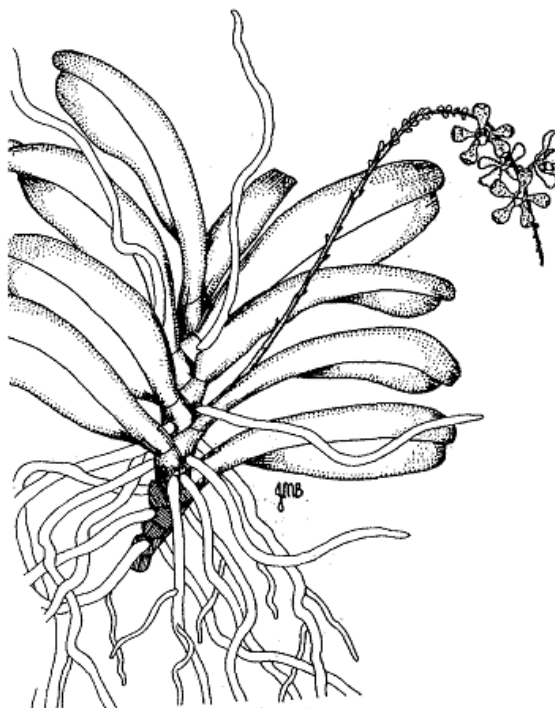
Show Business

The car is all loaded and ready to go
 Stacked to the roof, for the next orchid show
 I've ticked every item I had on my list,
 So I'm sure that there isn't one thing I have miss
 I've put in the plants and the stands and what's more,
 That great bag of bark that we used on the floor.
 There's the pins and the hessian, the tags and the tape,
 And the carefully pressed taffeta we use as a drape.
 I've got felt pens and BlueTack and the cutters and wire,
 And the pieces of driftwood I saved from the fire.
 Some spare pots and hangers, the fence and the sign,
 And the mirror that sets off our bushland design.



I've robbed all our trees of their garlands of moss
 And that's packed with damp paper in an old coolite box.
 I've got my wallet and cash card, my glasses, car key,
 And my old orchid note book in case there should be
 A seedling or clone on the Shows Plant Sales Table,
 I've been wanting for years if it's true to its label.
 About an hour to get there, if I arrive around four,
 I should find a parking spot near the hall door.
 The other members will come and help take the props in,
 Then the hustle and bustle will really begin.
 The backdrop's not straight, take it your way a bit,
 That Vanda's too tall there, it just doesn't fit.

Try it over on this side just above the red Catt
 No, the red is too brilliant, makes the Vanda look flat.
 Leave it out for a minute while we think what to do,
 It is such a soft yellow, put it there near the blue.
 And so it will go until the last plants in place,
 And we've covered with moss every pot stand and base.
 Then it's every one out, let the judges confer
 On the Champion plants and displays they prefer.
 Class winners selected, ribbons red, yellow, blue,
 Will be placed here and there for the patrons to view.
 For two days the venue will take on the look
 Of a fantasy garden, straight out of a book.
 I'll look at the Champions and solemnly swear
 That in future my orchids will receive special care.
 The prizes presented, the show a success,
 Time to pull down the stands, pack and clean up the mess.
 About an hour from then there'll be no sign at all
 That an orchid show ever took place in the hall.



Rhynchospora moorei

The car is all loaded and ready to go
 Stacked to the roof, for the next Orchid show

M.T. Benches, Beverly Young. (Editor)

PTEROSTYLIS

Some 35 Tasmanian *Pterostylis* species are treated, nine of them new.

Pterostylis alata is considered a Tasmanian endemic. A colour plate is included.

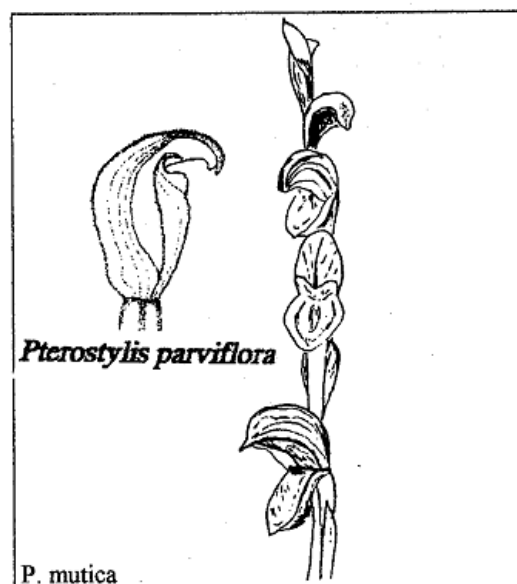
As *P. alata* does not occur in South Australia we will need new names for all five of the species previously lumped under this name. See plates 148, 149 and 150 for three of these!

Pterostylis longifolia is considered endemic to NSW. The Tasmanian plants previously referred to *P. longifolia* are now named *P. melagramma*, *P. tunstallii*, *P. williamsonii* and *P. stenochila*. One of these, *P. melagramma* is considered to grow in the Adelaide Hills. See Orchids SA plate 171 and Orchids Vic. pg 293. There are still other species in SA which are not *P. melagramma*!

Although Jones says *P. parviflora* does not grow in SA there is actually a collection from Piccaninnie Ponds. (see Orchids Vic pg 300 for a photo of true *P. parviflora*). The common *P. aff. parviflora* from our South east is still undescribed. See Orchids Vic 301 and Orchids SA 179 for pictures of this.

The species previously referred to *P. aff. aphylla* is now *P. uliginosa* (the name means 'growing in swamps'). It is endangered in SA but also occurs in NSW, Vic and Tas. See Orchids SA plate 151 for this one.

Jones says *P. cyncephala* does not occur in SA but it is in fact the most widespread of three similar taxa in SA, occurring in grassy woodland (see plate 162 in Orchids SA). The other two ie the dwarf taxon from on limestone and a grassland *P. mutica* species from high altitudes in the mid North remain undescribed. The similar *P. mutica* which is common in SA does not occur in Tasmania and Jones names two new Tassie endemics closely related to *P. mutica*.



P. furcata is treated as a Tasmanian endemic (see photo) and South Australian plants go back to the more familiar name *P. falcata*.

Once again Jones does not list *P. tasmanica* for SA but he does extend its known distribution to NSW. There is no doubt the late flowering, self pollinated taxon with dull windowless flowers from our South-east is *P. tasmanica*.

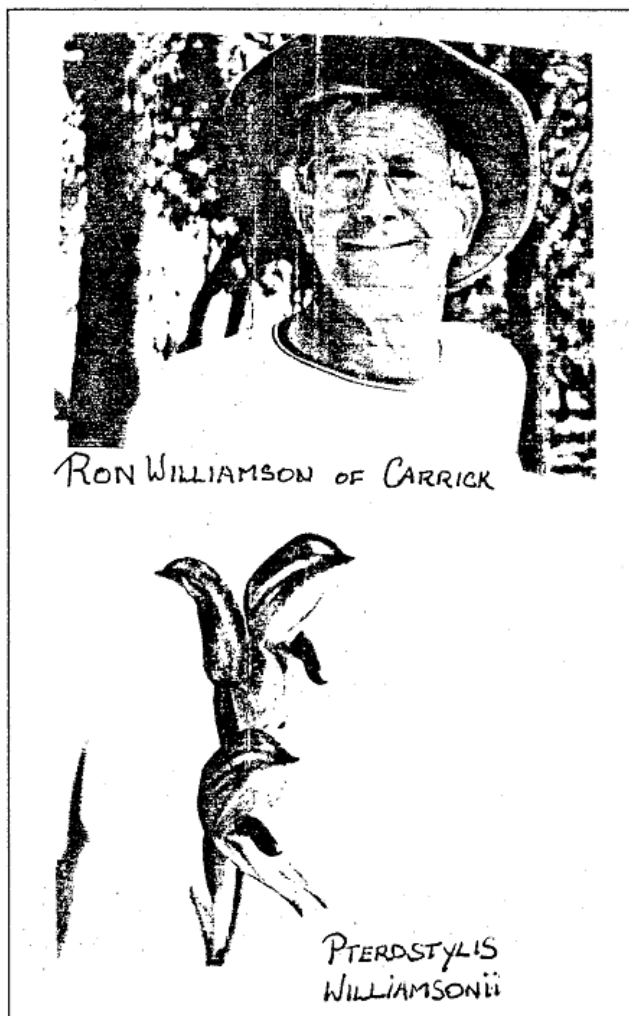
P. squamata is now the accepted name for what was previously called *P. rufa* in Tasmania and Victoria but this species also occurs in our South-east. (See Orchids Vic. pg 309 and Orchids SA p1 184).

Although the Tassie *P. biseta* are now known as *P. commutata*, a look at the photo in Vol 3 shows no difference from one of our SA forms!

Bob Bates

NEWSFLASH: Conservation News- At last Alligator Gorge, Mambray Creek and Mount Remarkable National Parks have been joined with the purchase by National parks of 850 hectares to be known as the Warren Bonython Link!

SIX TASMANIAN AMATEUR NATURALISTS HAVE RARE ORCHIDS NAMED AFTER THEM:
from the Sunday Examiner Oct 18 1998 by Fran Voss.



Having a native orchid named after you is liking winning a gold medal at the Olympics.

Peter Tonelli 53, a council parks and reserves manager is one of six Tasmanians recently acknowledged in this way.

Each has discovered a new orchid species. Their discoveries have been acknowledged in Australian Orchid Research, volume 3.

Tasmania can boast some 170 species of native orchid, but this could increase with the work of people like Mr Tonelli whose orchid *Caladenia tonellii* is a 30cm tall plant with 3cm flowers which are pink inside and brown outside. Its habitat is now a protected reserve.

Other Tassies honoured are Jeff Campbell (*Caladenia campbellii*), Ron Williamson (*Pterostylis williamsonii*), Hans and Annie Wapstra (*Pterostylis wapstreorum*), David Ziegeler (*P. ziegelarii*) and retired Fingal postmaster Les Rubenach (*P. rubenachii*).

The six can boast a combined practical experience in the study of orchids spanning 120 years.

SAD NEWS REGARDING DUCK ORCHIDS AT KUITPO

South Australian Forestry workers have recently slashed populations of Duck orchids *Caleana major* and *Paracaleana minor* in a Native Forest Reserve at Kuitpo despite years of attempted liaison by NOSSA. Both species are exceedingly endangered in the Adelaide Hills. This follows on the destruction of the largest population of *P. minor* by horse riders just two years ago in the same area.

Thank you Thelma O'Neill for the poignant accompanying illustration



FINANCIAL MEMBERS' N.O.S.S.A. TUBER BANK ORDER FORM 1998/99

CLOSING DATE FOR ORDERS IS THE LAST MAIL 20th JANUARY 1999. Tubers will be posted 25th January 1999 or near then.

We thank all growers who have generously promised tubers which need to reach us by Monday 18th January, 1999. Please record the provenance (if applicable) with the tubers you receive. Circle each Lot number that you wish to order. Mark (subst.) against those Lots you would like if your first choice is not available. Lots will have from 1 to 10 tubers, depending on supply and demand. Tubers in short supply will be issued on a first-come, first-served basis.

NOTE: A POSTAGE AND HANDLING FEE OF \$2-00 NOW APPLIES.

1. <i>Acianthus</i>	<i>exsertus</i>	30. <i>Pterostylis</i>	<i>concinna</i>
2 "	<i>fornicatus</i>	31. "	x <i>conoglossa</i>
3. <i>Chiloglottis</i>	<i>diphylla</i> (green)	32 "	<i>curta</i> (Adelaide Hills) II
4 "	<i>diphylla</i> (normal)	33 "	<i>curta</i> (Bendemeer NSW)
5 "	<i>formicifera</i> (true)	34 "	<i>curta</i> (Flinders Ranges SA)
6 "	<i>palachila</i> (type)	35 "	<i>curta</i> (Toowoomba Q1d)
7 "	<i>platyptera</i> (type)	36 "	<i>decurva</i>
8 "	<i>sylvestris</i>	37 "	Dusky Duke
9 "	<i>trapeziformis</i>	38 "	<i>erecta</i>
10 "	<i>trapeziformis</i> (Comaum SA)	39 "	if <i>erythroconcha</i>
11 "	<i>trullata</i>	40 "	It <i>fischii</i>
12 "	aff. <i>truncata</i>	41 "	11 x <i>furcillata</i>
		42 "	<i>hildae</i>
		43 "	<i>hispidula</i>
13. <i>Corybas</i>	<i>diemenicus</i>	44 "	Hoodwink
14 "	<i>dilatatus</i>	45 "	x <i>ingens</i>
15 "	<i>fimbriatus</i>	46 "	<i>laxa</i>
16 "	<i>hispidus</i>	47 "	aff. <i>longicurva</i>
17 "	<i>hispidus</i> (red form)	48 "	<i>longipetala</i>
18 "	aff. <i>incurvus</i>	49 "	Nodding Grace
		50 "	<i>nutans</i>
19. <i>Cyrtostylis</i>	<i>robusta</i>	51 "	<i>nutans</i> (variegated)
		52 "	aff. <i>obtusa</i>
20. <i>Diuris</i> (prev. <i>corymbosa</i> ; eastern Australian forms now <i>D. orientis</i>)		53 "	aff. <i>ophioglossa</i>
21 "	<i>sulphurea</i>	54 "	<i>pedunculata</i>
		55 "	<i>reflexa</i>
22. <i>Microtis</i>	<i>parviflora</i>	56 "	<i>revoluta</i>
23 "	<i>rara</i>	57 "	<i>robusta</i>
24 "	<i>unifolia</i>	58 "	aff. <i>russellii</i>
		59 "	<i>scabra</i>
25. <i>Pterostylis</i>	aff. <i>alata</i>	60 "	<i>striata</i>
26 "	<i>alveata</i>	61 "	pt. x <i>toveyana</i>
27 "	<i>baptistii</i>	62 "	tl <i>truncata</i>
28 "	<i>bryophila</i>	63 "	Tnmkfish
29 "	<i>collina</i>	64. <i>Thelymitra</i>	<i>pauciflora</i> (Comaum SA)
		65 "	<i>rubra</i> (Lucindale)

POST ORDER TO: T & T O'NEILL, 19 PARANA ST, FLINDERS PARK S.A. 5025

Price: \$1.00 per Lot. Name Lots = \$ + postage & packaging \$ 2 - 0 0 Address

Total \$ P/C Cheque/Money Order made payable to N.O.S.S.A.