

BULLETIN APRIL 2007

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OBJECTIVES OF THE GROUP

- a) To promote interest in and preserve Western Australian indigenous orchids.
- b) To learn the best means of cultivation and do all things possible for the conservation of native orchids in their environment.
- c) To learn their habits and keep records.
- d) To have field days and learn to recognize the different genera and species.
- e) To hold meetings for the exchange of knowledge and furthering of interest in W.A. orchids.
- f) To affiliate with kindred organizations.
- g) To make rules for the governing of the Group's domestic affairs.
- h) To do all such lawful things as are incidental to or conducive to the attainment of the above objectives.

Note: The opinions expressed by contributors to this Bulletin are not specifically endorsed by this Group.

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NEXT COMMITTEE MEETING

Wednesday 18th April 2007 at 7.00pm at the Lecture Theatre, Kings Park Admin. Office.

NEXT GENERAL MEETING

The next General Meeting will be on Wednesday 18th April 2007 at 8.00pm at the Lecture Theatre, Kings Park. The speaker will be revealed at the meeting.

BULLETIN ARTICLES

Please send Bulletin contributions by email to by post to

The deadline for the MAY issue is 1st MAY. Any articles received after then will be carried over.

FORTHCOMING MEETINGS

18 April - General Meeting
16 May - General Meeting
20 June - General Meeting
18 July - General Meeting
15 August - General Meeting
19 September - General Meeting
17 October - General Meeting
21 November - General Meeting

MEMBERSHIP FEES

Because of a seniors moment the annual reminder that the WANOS financial year commenced on 1st February was omitted from the March Bulletin, therefore **membership fees for 2007 are now due.** Membership fees are \$25.00 per family.

FOR SALE – Contact the Treasurer

(Sales now subject to GST)
Pat Dundas Cards (Orchid paintings) – singly or in pack of four. \$2.50 ea.
Group wineglasses \$8.00 each.

Both the above are ideal as presents.

Car stickers \$1.50 ea
History of WANOSCG \$3.00.
Name badges \$12.00 each
Rufa Trip Report \$10.00
Caladenia flava Badges \$4.00 members, \$5.00 non-members.
Orchids of WA (2nd Ed) \$9.00.
Note – all our copies of Orchids of SW Australia have been sold. This book is now out of print, so we await a new edition
Colour Guide to Spring Wildflowers
Part 1: Kalbarri & The Goldfields
Part 2: Perth & The Southwest.
Part 3: Esperance & The Wheatbelt
\$18.00 each. (Contact Eddy

Wajon).

PHOTO COMPETITION FOR 2007

The General meeting decided this year's subject will be "Orchid insect interaction".

ORCHID NAMES by NOEL CLARKE

Listening to conversations I gathered the impression that there is considerable confusion amongst members.

1. You don't have to be a botanist to describe & name an orchid, but it helps. There have been several

amateurs describe orchids & have their naming accepted.

2. There is no obligation to accept any names whether botanists or amateurs promulgate them. General usage is the decider,
3. Currently there is confusion about the plethora of new genus & specie names that have appeared. There are 2 schools of thought.
4. On the one hand we have the school that has nominated one *Caladenia* specie as the type specimen & split several genera into groups within their individual genera (e.g. *Caladenia*, *Pterostylis*) with new genus names, thus devolving their relationships. This system has been accepted in Victoria.
5. On the other hand we have the school that has nominated another *Caladenia* specie as the type specimen. This school has also divided *Caladenia* species along the same lines as the other school but are using a sub genera system to retain the relationships. This system has been accepted by W.A.
6. The final arbiter will be general usage by professionals & enthusiasts.

NEW ORCHID NAMES

Andy Brown advised the meeting that he is describing & naming 2 new *Caladenia* species in the June issue of Nuytsia. Many members have known these 2 new names for some time. One was mentioned in Nuytsia V14 of 2001.

ALBANY FIELD TRIP 2 & 3 - 6 DECEMBER 2006 by ROSS FOX

We met at the Mt Barker layby on the Muir Hwy at the edge of town; all we found was *D setacea*. We carried on to the Blue Lake Rd corner of Mt Barker - Denmark Rd and found a few *D setacea* & *T fuscolutea*. We proceeded to the Hay River Bridge on the South Coast Hwy. On the way we found *Pras brownii*. On the West side of the bridge were *C corynephora*, *D pauciflora* & *drummondii*, *M media* ssp *media* &/or *quadrata*. On the Southwest side were *T tigrina* & *Epiblema grandiflorum* ssp

grandiflorum. On the Northeast side was 1 *C radiata*.

On to Frenchman's Bay where we found a few *D pauciflora*.

At Emu Point were about 10 *Cryptostylis ovata*.

In the bushland at Warlock Rd, Lower King was some *Pras brownii* & *T tigrina* closing for the day.

We stayed at the Happy Days Caravan Park where we enjoyed an Xmas BBQ. A good time was had by all.

On Sunday morning we went to Nanarup Beach where after a long walk along the beach we saw *D heberlei* amongst the sand dunes.

By this time it was nearly noon & everyone were happy to call it a day. We had seen all we expected to see though not in large numbers.

Wayne Merritt, Rob Halls, Matz Dahlkamp, Margaret & I proceeded to Walpole where we found *T canaliculata* & *crinita* & *Epiblema grandiflorum* ssp *grandiflorum*.

Wayne & Rob left us here. We stayed in Walpole & met up with Gloria Jackson who took us to see *T jacksonii* at a couple of spots on Southwestern Hwy near Broke Inlet Rd. We also found more *Epiblema*, *Pras brownii*, *T tigrina*, *M aff alba* & maybe *quadrata* & *Cryptostylis ovata*.

On Tuesday we set out for Windy Harbour via Northcliffe finding 100+ *Epiblema grandiflorum* ssp *grandiflorum* in a culvert approx 7½ km south of Mt Chudalup. On the way to our overnight stop at Pemberton we found more *M aff alba* in a burnt area.

Our final day we set off along Stewart Hwy & found *Gastrodia lacista* on the corner of Milyeannup Coast Rd.

The next spot was a burnt area given us by Rob & Wayne on Forest Grove Rd off Caves Rd. Here we found hundreds of *Pyrorchus forrestii* & *T fuscolutea* in bud.

At Carburnup River we found a fine specimen of *T fuscolutea*.

This completed a successful trip for us with 5 new orchids & several new sites.

TALK BY MARK BRUNDRETT

Mark used slides to illustrate his talk.

The first section described the requirements for successful seed germination. He compared germination & the success rate between bush & laboratory sowing. For successful germination, growth & survival all the factors of fungus, soil & climate are necessary. He further highlighted the fact that populations in the bush are declining, not only from changed habitat but also from poor seed growth.

The second part of his talk concerned the project for which the group obtained funding from the Lotteries Commission. He outlined the parameters of the project.

ORCHID NAMES

Since the publication in 1998 of the current edition of "Orchids of South West Australia, Revised Second Edition with Supplement" (Hoffman and Brown), there have been a number of name changes and new orchids named.

Most, but not all, of these have been notified in this newsletter, the most recent being in March 2007. In this regard, it should be recognised that we do not receive any formal notification of the changes or the scientific journal in which they are described, although information is sometimes provided at meetings, as occurred most recently at the March 2007 meeting. Also note that there is still discussion within the scientific community about numerous other names that have not yet been agreed upon or accepted in WA.

For the benefit of those interested, I have researched these changes and details of the current situation appear on two pages in this issue. Andrew Brown has kindly assisted in this summary.

If you are updating the names in your own H & B, don't forget to update the Supplement Index on page 415, and the index commencing on page 462.

Tom Blinco

MINUTES OF GENERAL MEETING 21 MARCH 2007

Meeting opened at 8.40 pm.

In the absence of Gerald Stack, Tom Blinco acted as Secretary.

ATTENDANCE

Attendance was 28 members as per the Attendance Book, with seven apologies.

MINUTES of PREVIOUS MEETING.

Moved Margaret Fox seconded Stuart Harris that the Minutes of meeting of 19 November 2006 as published in the Bulletin were a true record of the meeting.
CARRIED

MATTERS ARISING FROM PREVIOUS MINUTES: Nil

CORRESPONDENCE and TREASURER'S REPORT:

The Correspondence was tabled and the Auditor's Report was circulated with the Attendance Book. No queries were raised.

FIELD TRIP REPORT:

1. Ross Fox reported on a successful Albany field trip in December. A full range of orchids was found, but the number of specimens was down on previous visits. Members were guided by Wayne Merritt to see *Pyrorchis forrestii* near Margaret River on the way home.

Andrew Brown advised that *Eriochilus dilatatus* subsp *dilatatus* (White Bunny Orchid) had been reported already flowering on private property in the Manjimup area.

GENERAL BUSINESS:

The meeting was advised of a letter from the Friends of Underwood Avenue Bushland about the future of this area. We will cooperate to achieve the best outcome.

Members were invited to submit suggestions for this year's photography competition. Orchids suggested included *E emarginata* and *Ph deformis*, but on a show of hands the topic chosen was "Orchid/insect interaction".

John Ewing brought to attention the recently published book "Guide to Native Orchids of South Western Australia", author Bob Liddlelow.

Andrew Brown advised that two newly named *Caladenia* species would be described in the June issue of *Nuytsia*. This publication is available from the Dept of Environment and Conservation (previously CALM).

GUEST PRESENTATION.

Mark Brundrett spoke on the current state of orchid conservation in WA, with details of the Lotterywest Endangered Orchid Project and the relevant issues.

A very interesting address, with topics that included – Integrated orchid conservation, ecology, genetics, botany, orchid habitats, rare flora threats, hydrology, land clearing, weeds, salinity (existing and predicted), conservation status of rare orchids, comparison of frequency of rare orchids with other rare flora, the secret life of orchids and pollinators, orchid seeds and the life cycle of *Caladenia arenicola* as an example, the importance of fungus, specificity of particular fungi and pollinators to specific orchids. Regarding the Lotterywest project, a flyer will be available shortly with all relevant information.

There are seven critically endangered orchids in the central wheatbelt and some field trips are planned this year.

RAFFLE DRAW: The raffle was donated by Ian Greeve and was won by Matz Dahlkamp.

NEXT MEETING: The next general meeting Wednesday 18 April 2007.

Meeting closed at 9.45pm.

IDENTIFYING BUNNY ORCHIDS **Noel**
Clarke quote: "It's all in the leaf"

All of those who have found one of the Eriochilus genus (Bunny Orchid family) in the field have faced the dilemma of 'Which one'?

The following table attempts to show comparative features of the main types of EARLY Bunny Orchids listed in 'Orchids of South-West Australia' [Hoffman and Brown] and some of the detail listed in 'Native Orchids of Australia' [D L Jones]

COMMON BOTANICAL	LEAF SIZE Length/width (mm)	LEAF DETAIL	FLOWER DETAIL	LOCATION
White Bunny Dilitatus /Dilitatus	40-100 5-18	Above ground on stem Narrowly ovate	Widely spaced Multiple flowers with sharply pointed tips	Generally near to coast Kalbarri to Esperance
Common Bunny Dilitatus/Multiflorus	10- 40 5-11	Above ground on stem; Leaf only partly developed at flowering broadly ovate	Closely packed Multiple flowers with short pointed tips	Perth to Albany (not just on coast)
Easter Bunny Dilitatus/Magnus	20 -60 9-22	Broad oval	Widely spaced Sweetly scented	Pinjarra to Albany (not just coast) wetter areas
Crinkle-leaf Bunny Dilitatus/Undulatis	10-30 5-12	Wavy margin on edges (VERY DISTINCTIVE)	Few – often only 1	More inland – Kalbarri to Esperance – also in Metro area
Granite Bunny Pulchellus	5-15 3-8	Above ground on stem Ovate; light green	1-10 green and red labellum with dark red bristles ; petals have dark red tips	Manjimup to Albany In shallow soil pockets on exposed granite outcrops {Darling Ra.}
Red-lipped Bunny Valens	10-20 5-12	Above ground on stem Sharp point but ovate	Pink to dark red labellum; only flowers after summer fire	RARE – margins of winter wet swamps Walpole to Albany
Swamp Bunny Helonomos	5-17 2-10	Above ground on stem Ovate to heart shape	Few – often only 1 Petals grasp column (not spread like most others)	Kalbarri to Esperance In clay based swamps and seepage areas on granite outcrops

The editor would appreciate submissions for the next bulletin about Eriochilus 'finds' that can be published in the May bulletin. With some possible exceptions, very specific locations can be included so that others may share in your discovery.

If you take a **REALLY GOOD** photograph that you can send to the editor electronically (to [redacted] you may even be published!!!!

Amendments and additions to Orchids of South-West Australia, Revised Second Edition With Supplement

H&B page	Genus name	H&B species name	new genus name	new species name	Scientific journal reference	BULLETIN Reference
48	<i>Caladenia</i>	<i>flaccida</i>		<i>paradoxa</i>	Nuytsia 14:259-260 (2001)	
73	<i>Caladenia</i>	<i>insularis</i>		name is no longer current, orchid is same as page 72	Florabase	
124	<i>Caladenia</i>	<i>hoffmanii</i> subsp <i>hoffmanii</i>		<i>hoffmanii</i> (no subspecies)	Nuytsia 14:90,91(2001)	
151	<i>Caladenia</i>	<i>saccharata</i>	<i>Ericksonella</i>	no change	Aust. Systematic Botany 17:210 (2004)	
155	<i>Cyanicula</i>	<i>caerulea</i> subsp <i>apertata</i>		<i>aperta</i> (different spelling, no subspecies)	Aust. Systematic Bot 17:229 (2004)	
157	<i>Cyanicula</i>	<i>deformis</i>	<i>Pheladenia</i>	no change	Orchadian 13:411 (2001)	March 2004, Sept 2005 (Editor's note to field trip report)
189	<i>Drakonorchis</i>		<i>Caladenia</i>		Nuytsia 14:2001	August 2000
191	<i>Drakonorchis</i>	<i>barbarella</i>	<i>Caladenia</i>	no change	Nuytsia 14:162-166 (2001)	August 2000
192	<i>Drakonorchis</i>	<i>barbarossa</i>	<i>Caladenia</i>	no change		August 2000
193	<i>Drakonorchis</i>	<i>mesocera</i>	<i>Caladenia</i>	no change	Nuytsia 14:171,172 (2001)	August 2000
194	<i>Drakonorchis</i>	<i>drakeoides</i>	<i>Caladenia</i>	no change	Nuytsia 14:168-171 (2001)	August 2000
209	<i>Paracaleana</i>	sp		<i>parvula</i>	Aust. Systematic Bot 19:237,238 (2006)	March 2006, August 2006, Sept 2006
210	<i>Paracaleana</i>	<i>linearifolia</i>		<i>disjuncta</i>	Orchadian 14:226-229 (2006)	March 2006, August 2006, Sept 2006
211	<i>Paracaleana</i>	<i>triens</i>		photo is of <i>graniticola</i>		March 2006, August 2006, Sept 2006
238	<i>Epiblema</i>	<i>grandiflorum</i> var. <i>cyanea</i>		<i>grandiflorum</i> var. <i>cyaneum</i>	Muelleria 24:2006	March 2007
243	<i>Thelymitra</i>	aff <i>dedmaniarum</i>		<i>dedmaniarum</i>	Muelleria 15:2001 This orchid is similar to <i>T latiloba</i> (see next page), but grows Augusta - Albany and column is yellow.	Sept 2004
257	<i>Thelymitra</i>	<i>canaliculata</i>				Sept 2004
258	<i>Thelymitra</i>	<i>azurea</i>		<i>occidentalis</i>	Muelleria 15:85-88 (2001)	Sept 2004, July 2005
263	<i>Thelymitra</i>	<i>pauciflora</i>		<i>vulgaris</i> (this photo is actually <i>T vulgaris</i>)	Muelleria 19:58-62 (2004)	July 2005
265	<i>Thelymitra</i>	<i>graminea</i>		Note-photo is for <i>T vulgaris</i>		July 2005
273	<i>Calochilus</i>	aff. <i>campestris</i>		<i>pruinus</i>	D.L. Jones in his orchid book	
274	<i>Calochilus</i>	aff. <i>robertsonii</i>		<i>uliginosus</i>	D.L. Jones in his orchid book	
275	<i>Calochilus</i>	aff. <i>robertsonii</i>		<i>stramenicola</i>	D.L. Jones in his orchid book	
285	<i>Microtis</i>	<i>media</i> subsp. <i>quadrata</i>		<i>quadrata</i>	(R.J. Bates) D.L. Jones & M.A. Clem.	Orchadian V14 No8

continued over page

Amendments and additions to Orchids of South-West Australia, Revised Second Edition With Supplement					page 2
291	<i>Genoplesium</i>		<i>Corunastylis</i>		September 2006
292	<i>Genoplesium</i>	<i>nigricans</i>	<i>tepperi</i>	Florabase	September 2006
319	<i>Monadenia</i>		<i>Disa</i>		May 2001
321	<i>Monadenia</i>	<i>bracteata</i>	<i>Disa</i>	no change	May 2001
372	<i>Pterostylis</i>	<i>aff picta</i>	<i>Oligochaetochilus frenchii</i>	Orchadian 14:444-446 (2004)	April 2005, July 2005, March 2006 (Editor's note), August 2006
419	<i>Caladenia</i>	<i>hoffmanii</i> subsp. <i>graniticola</i>	<i>graniticola</i> (no subsp)	Aust Systematic Bot 17:193 (2004)	August 2000
427	<i>Cyanicula</i>	<i>aff gemmata</i>	<i>nikulinskya</i>	Lindleyana 15 (2) 2000	Orchadian V14 No8
438	<i>Microtis</i>	<i>media</i> subsp. <i>eremicola</i>	<i>eremicola</i>	(R.J. Bates) D.L. Jones & M.A. Clem.	March 2006, August 2006, Sept 2006
440	<i>Paracaleana</i>	<i>aff nigrita</i>	<i>hortiorum</i>	Aust Systematic Bot 19:232-234 (2006)	March 2007
451	<i>Thelymitra</i>	<i>dedmaniarum</i>	<i>yoakensis</i>	Mulleria 24:18-19 (2006)	April 2005
452	<i>Thelymitra</i>	<i>aff holmesii</i>	<i>xanthotricha</i>	Mulleria 19:75-77 (2004)	April 2005
453	<i>Thelymitra</i>	<i>aff pauciflora</i>	<i>xanthotricha</i>	Mulleria 19:75-77 (2004)	March 2007
454	<i>Thelymitra</i>	<i>aff stellata</i>	<i>magnifica</i>	Mulleria 24:15-17 (2006)	
		NEW SPECIES			
		<i>Paracaleana</i>	<i>brockmanii</i>	Aust Systematic Bot 19:223-225 (2006)	March 2006, August 2006, Sept 2006
		<i>Paracaleana</i>	<i>alcockii</i>	Aust Systematic Bot 19:222,223 (2006)	March 2006, August 2006, Sept 2006
		<i>Paracaleana</i>	<i>gracilicordata</i>	Aust Systematic Bot 19:229,230 (2006)	March 2006, August 2006, Sept 2006
		<i>Paracaleana</i>	<i>granitica</i>	Aust Systematic Bot 19:230-232 (2006)	March 2006, August 2006, Sept 2006
		<i>Thelymitra</i>	<i>latioba</i>	Mulleria 15:83-85 (2001) This orchid is similar to <i>T. canaliculata</i> (see previous page) but grows Wongan Hills - Dumbleyung and column is white to pink.	September 2004
		<i>Caladenia</i>	<i>williamsiae</i>	Orchadian 14:303-304 (2001)	May 2004
		<i>Hydrorchis</i>	<i>cupularis</i>	Orchadian 14:518-519 (2005)	July 2005
		<i>Thelymitra</i>	<i>frenchii</i>	Mulleria 19:66-67 (2004)	July 2005
		<i>Eriochilus</i>	<i>dilatatus</i> ssp. <i>brevifolius</i>	Nuytsia 16:38 (2006)	March 2007
		<i>Eriochilus</i>	<i>dilatatus</i> ssp. <i>orientalis</i>	Nuytsia 16:42-44 (2006)	March 2007
					T. Blinco, 26.3.2007
					Thanks to Andrew Brown

	RAFFLE ROSTER 2007	SPEAKER 2007
MARCH	Ian Greeve	Mark Brundrett – The current state of orchid conservation in WA/ the Lotterywest Project
APRIL	Donna Wajon	TBA
MAY	Christine Lock	
JUNE	Stuart Harris	
JULY	Glenys Blinco	
AUGUST	David Lawson	
SEPTEMBER	Noel Clarke	
OCTOBER	Eva Smith	
NOVEMBER	John Ewing	

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Attention: Andrew Brown

FORTHCOMING FIELD TRIPS

Sun 29th April – meet at 11am on Brookton-Corrigin Road, 1.5Km east of Jubuk Rd North, approx 16Km before Corrigin. Trip is to see *Coronastylis Tepperi* (Pygmy Orchid – previously *Genoplesium Nigricans*)

Sat 9th June – meet at 10am on Brookton-Corrigin Rd at corner of Wikepin-Corrigin Rd, approx 12 Km before Corrigin. Trip is to study *Rhizanthella Gardneri* [This trip is the first associated with the Lotterywest Wheatbelt Endangered Orchid Research Project]

For both these trips advise Ross Fox if you are coming – [redacted] (also let him know if you have said 'Yes' then are not able to come)