



BULLETIN  
*OF THE*  
WESTERN AUSTRALIAN NATIVE ORCHID  
STUDY AND CONSERVATION GROUP  
(INC)

JULY 1988

## THE WEST AUSTRALIAN NATIVE ORCHID STUDY & CONSERVATION GROUP

### OFFICE BEARERS 1988

Patron:	Mrs J Holmes a'Court
President:	Kingsley Dixon [REDACTED]
Vice President:	Beryl Yates [REDACTED]
Immediate Past President:	Bevan Buirchell [REDACTED]
Secretary:	Stephen Van Leeuwen [REDACTED]
Treasurer:	Lionel Johnston [REDACTED]
Field Trip Co-Ordinator:	Sid Gibbings [REDACTED]
Editor:	Ray Stapledon [REDACTED]
Librarian:	Wayne Merritt [REDACTED]
Committee Members:	Denis Burdinat [REDACTED] Chris French [REDACTED] Ian Greeve [REDACTED] Eric Swarts [REDACTED]
Postal Address of Group:	PO Box 323 Victoria Park 6100.

### OBJECTS 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 natural environment.
- c. To learn their habitats and keep records.
- d. To have field days and learn to recognise the different genera and species.
- e. To hold meetings for the exchanging of knowledge and furthering of interest in Western Australian orchids.
- f. To affiliate with kindred organisations.
- g. To make rules for the governing of the Group's domestic affairs.
- h. To do all such other lawful things as are incidental to or conducive to the attainment of the above objects or any of them.

**NOTE:** Opinions expressed by contributors to this Bulletin are not specifically endorsed by the Group.

**NEXT COMMITTEE MEETING**

Wednesday 20th July 1988 at 7.00 pm, Kings Park Administration Centre.

**NEXT GENERAL MEETING - 3rd Wednesday of each month (March to November)**

Wednesday 20th July 1988 at 8.00 pm, Kings Park Administration Centre.

Guest Speaker: Dr Bevan Buichell

Bevan will speak on his recent award of the F W Paddock Prize. This prize was created by the Australian Orchid Foundation to promote interest in problem areas in the cultivation and propagation of Australian and exotic orchids. He chose as a problem area "deflasking of Caladenias". A video movie of the successful Rhizanthella weekend will also be shown.

**BULLETIN** - Contributions wanted for Bulletin editions. Copy deadline 1st of the month.

**FIELD TRIP SCHEDULE**

The following amendments are advised:

**August 20th and 21st** - cancelled.

**September 3rd and 4th** - cancelled. Caladenia Trip will be held on the following weekend 10th-11th September.

**August 27th and 28th** - Leeman. "Northern Heathlands Orchids". The following accommodation is available for this weekend and anyone wishing to attend is requested to contact Syd Gibbings **urgently** to complete arrangements.

4 Self contained units with WC & shower	\$35 double per day
4 Chalets	\$25 double per day
6 On-site vans	\$25 double per day

Extra adults \$5 per night, extra children \$2 per night  
Sheets, rugs, pillows are **NOT** supplied.

**A REMINDER TO ALL MEMBERS**

**Red Dot on your address label!?** The Treasurer's records show you have not paid this year's fees. The fees are \$10.00 per year for individual or family membership and the year is to 31/1/1989. **Please pay now!** Thank you.

**Lionel**

**FIELD TRIP REPORTS****Rhizanthella Gardneri - 11th and 12th June**

We all met at Babakin at 12 pm on Saturday, 16 cars and approximately 38 members and friends. We were very ably led by Dr Kingsley Dixon. We proceeded to a reserve, and after much scratching mid prickles, Joan Gibbings found our first wonderful Rhizanthella; a few more were found at that site. We then moved on to another part of the reserve. No more were found at that section, but Pterostylis scabra robusta, Pterostylis sargentii (in bud), Leporella fimbria, and a lovely colony of Caladenia drummondii were eagerly photographed.

We scratched on till 4'ish, then back to the Ardath Hotel for a few dust chasers, showers and a nice dinner. Nancy Clarke painted a beautiful watercolour of Cal. drummondii which was presented to Joan for being 'first finder'.

Sunday after breakfast we headed off out of Corrigin to a new location, and our new member Judy Williams crowned it all with a find of a colony of 3 Rhizanthella. With Sally Garnett's help 2 more were located nearby. All told 12 were located for the weekend.

We are all looking forward to seeing your film next meeting Kingsley, though now with some reservations, as we didn't realise it was with sound. Oh dear!

On the way up to Corrigin a few cars stopped and checked on Prasophyllum nigricans. Not as many had flowered this year, but all were well in seed.

Thanks to all for an excellent, successful weekend.

**Beryl Yates**

**Eaton - June Long Weekend**

Two locations were visited in search of Pterostylis augusta. Both locations had been burnt however this did not affect the flowering of Pt. augusta which was prolific, however Pt. scabra var. robusta which in previous years had been plentiful was poor, only 6 flowering plants.

This may well be the last flowering of Pt. augusta in Eaton as both locations are suffering in the name of progress. One location has a kindergarten overlapping onto the growing area, the other has been cleared and subdivided.

**W Merritt**

## Regan's Ford - 19th June

Eleven WANOSA members and six Eastern Hills Wildflower Club members attended. Raincoats were not needed and once again we did not lose anyone - things are looking up. We were rewarded with several *T. variegata* var. *apiculata* though only one flower was open enough for the photographers. The area has been chained which is not very encouraging for the future. Other orchids in flower were *Pt. dilatata*, *Pt. vittata* var. *vittata* and *Pras. parvifolium* and leaves of *E. dilatatus*, *Lep. fimbriata* and *D. longifolia*.

Young James enjoyed the slide at the Mogumber Hall during lunch. Lots of *Lep. fimbriata* leaves were found but only 5 flowers. Also in flower were *Pt. vittata* var. *vittata*. Some *D. longifolia* were in bud. Also seen were *Caladenia* leaves other than *C. flava* and *E. dilatatus*.

The group broke up here and Dave led 4 of us to one of his spots on the Bindoon-Gingin Road. There was a far better flowering of *Lep. fimbriata* at this location. Also in flower were *Pras. parvifolium*, *Pt. dilatata*, *Pt. vittata* var. *vittata* and leaves of *C. flava*, *D. longifolia*, *E. dilatatus*, *Ely. brunonis* and *Lyp. nigricans*.

Noel Clarke

## GUEST SPEAKER JUNE

Summary of address given by Dr David Rose at our June meeting:

### Orchids and Vegetation of Dryandra Forest

Dryandra forest covers approximately 28 thousand hectares in the western wheatbelt of Western Australia. It is a complex area containing at least 9 different vegetation units with 49 orchid species represented. Some of these species are relatively uncommon in this habitat although a number are widespread and easily seen.

David Rose, who assists in the running of the Lions Hostel facility at Dryandra State Forest gave an illuminating and lucid talk on the orchids and vegetation of Dryandra Forest. His talk was illustrated with some superb slides and the members enjoyed very much his contribution to the evening's proceedings.

The vegetation of Dryandra consists of the following vegetation types.

1. Brown Mallee. This is a community originally planted for the production of tannin products as well as wood and handles for various tools and equipment. Nowadays this community supports the following orchids *Calochilus robertsonii*, *Pterostylis vittata* (both the green and brown forms, note the brown form is being reinstated as *Pterostylis hamiltonii*), *Pterostylis sargentii*, *Pterostylis rufa*, and *Eriochilus dilatata*. This community has relatively few understorey species and the orchids that are present are fairly conspicuous. Consists of a rich though partly uncomposted humus layer.
2. Powder Bark Wandoo Woodland. This community has a range of species and is one of the richer areas particularly where there are transitions between the vegetation types. All the orchids found in section one above are found here including quite an abundance of *Caladenia saccharata*. In addition several attractive woody shrubs including *Boronia purdieana* and *Dryandra proteoids*. This last species is attractive and as its name suggests protea-like. *Dryandra* is one of the more common species of Dryandra found in this region.
3. Jarrah Woodland. This is one of the westernmost extremities for Jarrah as a forest species and the specimens are relatively low in height but very stocky trunks. It is not a widespread or common formation but does support the rare *Caladenia longiclavata* var. *magniclavata* as well as *Pterostylis hamiltonii*. There are a number of *Isopogons*, the most colourful being *Isopogon dubius*.
4. Heath/Scrub Mallee. This formation occurs on the eastern side of the reserve in dry conditions. There are very few orchids although *Caladenia saccharata* occurs in some abundance. A number of woody shrubs are also present, most noteworthy being *Dryandra nobilis* and *Banksia sphaerocarpa*.
5. Sand Over Laterite Communities. Besides a number of orchid species already mentioned, this area has a rich assortment of smaller shrubs and herbs. Two additional species not recorded elsewhere in Dryandra forest are *Prasophyllum sargentii*, and *Paracaleana nigrita*.
6. Mallee Country. This is usually a mixed vegetation type often with a poor understorey including orchids. Occasionally *Pterostylis rufa* can be found in this area in early summer.
7. Granite Outcrops and Surrounding Sheoak Woodland. Three orchid species not found elsewhere occur in this region including the Elbow Orchid (*Spiculaea ciliata*, *Caladenia dilatata* var. *falcata* and *Acianthus reniformis*).
8. Low Heath on Sandy Soils. A rich assembly of orchid species occurs in this association including *Prasophyllum cyphochilum*, *Thelymitra fuscolutea* var. *fuscolutea*, *Thelymitra antennifera*, *Thelymitra villosa*, *Diuris setacea*, *Pterostylis barbata*.

LIBRARY:

Hereunder is a list of all books etc. available to members of the Group.

Application to borrow any item appearing in this list should be made to our Librarian Wayne Merritt, **before** it is taken. Certain formalities need to be completed to maintain the records.

Books, Magazine and Reports etc.

1. The ecology, conservation status and propagation of two gazetted rare orchids *Caladenia Gemmata* forma *Lutea* and *Diuris Purdiei* - T I Maddocks, B B Lamont 1984.
2. A guide to the gazetted rare flora of WA Supplement 1 Report No 54 - S J Patrick, S D Hopper 1982.
3. National Botanic Gardens Canberra, Australia. Preliminary Checklist of Australian Orchidaceae - M A Clements 1982.
4. Wild orchids of Western Australia, an introduction to their natural history, distribution and cultivation - Pat Dundas, K W Dixon.
5. ACF Response to the Western Australian Govt proposed new policy on mining and exploration in National Parks and nature reserves - R Humphries ACF 1987.
6. Guidelines for an environmental protection policy on the coastal zone in WA - EPA June 1977
7. Proceedings of the fifth Australian Orchid Conference Perth 12th-16th Sept. 1977 (2 copies).
8. Cape York Orchid Project. Orchids of McIlwraith Range - Dr P S Lavarack.
9. Orchids of the Cape York and Jardine River Areas Sept. 1986. - Qld National Parks and Wildlife Service.
10. National Botanic Gardens Canberra, Australia. Report of the Australian Orchid Foundation expedition to WA Aug 1980.
11. The 21st Annual TQOC Conference - Townsville Orchid Society.
12. The Victorian Orchid Workshop conducted by the Australian Orchid Foundation in cooperation with the Victorian Orchid Club. 1979.
13. Atlas of Natural Resources Darling System Western Australia - Dept of Conservation and Environment WA 1980.
14. The Darling System WA Proposals for Parks and Reserves. The System 6 Study Report to the Environmental Protection Authority.
15. The Vegetation of the Albany and Mt Barker areas. Map & Exp Memoir - J S Beard. 1979.
16. The Vegetation of the Corrigin area. Map & Exp Memoir - J S Beard. 1980.
17. The Vegetation of the Esperance and Malcolm Areas. Map and Exp Memoir - J S Beard 1973
18. The Vegetation of the Jackson Area. Map and Exp Memoir - J S Beard 1979.
19. The Vegetation of the Moora and Hill River areas. Map & Exp Memoir - J S Beard 1979.
20. The Vegetation of the Perth Area. Map and Exp Memoir - J S Beard 1982.
21. Wandoo Woodland Conservation. A proposal for a system of ecological reserves. Campaign to save native forests. (WA) - L G Capill 1984.
22. Nuytsia Vol 1 No 2 1971. Bulletin of the Western Australian Herbarium - Dept of Agriculture of WA.
23. Nuytsia Vol 2 No 5 1978. Bulletin of the Western Australian Herbarium - Dept of Agriculture of WA.
24. Nuytsia Vol 2 No 4 1978. Bulletin of the Western Australian Herbarium - Dept of Agriculture of WA.
25. The Letters of F W Ludwig Leichhardt - M Arousseau. Vol 11.
26. Allan Cunningham Botanist and Explorer - W G McMinn.

27. How to Embed flowers in plastic - E L Lutz Sr.
28. The National Parks of Western Australia - C F H Jenkins.
29. Kings Park Native Plant Annual 1985.
30. Australian Ground Orchids - D Clyne
31. Australian Native Orchids in colour - L Cady and E R Rotherham.
32. Australian Orchids - R Fiveash's.
33. Australian Rock and Tree Orchids - D Clyne.
34. Australian Indigenous Orchids - A W Dockrill.
35. Cultivation of Australian Native Orchids - Australian Native Orchid Society (Vic Group).
36. Orchids in Australia - R Kerr.
37. Orchids of the West - R Erickson.
38. Orchids of Western Australia - A George, H Foote.
39. Orchids of South-West Australia - N Hoffman and A Brown.
40. Native Orchids in Melbourne - Australian Native Orchid Society (Vic Group).
41. Orchids of Australia - Nicholls.

#### Library File Index

- 1A. West Australian Orchid Bulletin June 1973 - June 1980.
- 1B. West Australian Orchid Bulletin June 1980 - June 1985.
- 1C. West Australian Orchid Bulletin July 1985 -
- 2A. West Australian Native Orchid Monthly Bulletin May 1975 - September 1984.
- 2B. West Australian Native Orchid Monthly Bulletin Nov 1984 -
- 3A. South Australian Monthly Bulletin July 1975 - May 1981.
- 3B. South Australian Monthly Bulletin June 1981 - May 1986.
- 3C. South Australian Monthly Bulletin June 1986 -
- 4A. South Australian Native Orchids Monthly Journal Revised 1974, April 1977 - Dec 1981.
- 4B. South Australian Native Orchids Monthly Journal January 1982 - May 1987.
- 4C. South Australian Native Orchids Monthly Journal July 1987 -
- 5A. The Orchadian Monthly Journal Various Volumes August 1963 - June 1978.
- 5B. The Orchadian Monthly Journal Various Volumes September 1978 -
6. Society of Queensland Monthly Bulletin October 1983 -
7. The Orchidophile Sydney Group Monthly Bulletin October 1983 -
8. Darling Downs Group Monthly Bulletin June 1978 -
9. Wollongong & District Monthly Bulletin June 1985 -
10. Warringah Group of ANOS Monthly Bulletin April/May 1985 -
- 11A. Victorian Group Monthly Bulletin Vol 6 1973/74, August 1975 - December 1983.
- 11B. Victorian Group Monthly Bulletin February 1984 -
12. Far North Coast Group Monthly Newsletter August 1984 -
13. Newcastle Group Monthly Bulletin January 1984 -
14. Central Coast Group Monthly Newsletter April 1984 -
- 15.1 Calm News November 1985 -
- 15.2 Landscape 1984 -
- 16.1 The Australian Orchid Foundation Letters Etc. May 1978 -
- 16.2 ANOS Minutes.

- 17.1 New Zealand Native Orchid Group.
- 17.2 *Spiranthes Spiralis* Bedfordshire (England) by T C E Wells.
- 17.3 Bulletin Exotic Orchids of Borneo.
- 18. West Australian Gardener Spring 1975 -
- 19.1 Northern & Eastern Districts Newsletter September & November 1986.
- 19.2 Bass Group Newsletter (Club Disbanded 29/5/86) July 1983 - April/May 1986.
- 20.1 What's on Environmentally Monthly Bulletin.
- 20.2 Leaflet Monthly Bulletin.
- 20.3 Australian Conservation Foundation Newsletter.
- 21.1 Calm Task Force on Land Resource Management.
- 21.2 Rare WA Plants.
- 21.3 Flora Regulations Wildlife Conservation Act.
- 21.4 National Parks.
- 21.5 Government in Focus (Federal).
- 21.6 Planning Strategy (WA Government).
- 22.1 Flora Mimesis in *Thelymitra Nuda* by Peter Bernhardt & Pamela Burns-Balogh 1986.
- 22.2 The Initial effects of fire on Orchids in a Stringybark Box forest by J M Barnett 1984.
- 22.3 The Genus *Microtis* A Taxonomic Revision R Bates 1984.
- 22.4 Checklist of Australian Native Hybrids J J Betts 1977.
- 22.5 The Distribution of Orchid Species in Australia by Eric G Gordon.
- 22.6 W A Orchid Atlas by S D Hopper.
- 22.7 Phytogeography of S A Orchidaceae R J Marwick & R J Bates.
- 22.8 Biology & Distribution *Rhizanthella Gardneri* K W Dixon & J S Pate.
- 22.9 Orchids of the Mallee by D R Voigt.
- 23.1 W A Horticultural Council Minutes of meeting.
- 23.2 Agriculture Protection Board Notes.
- 23.3 Farm Note.
- 24.1 Latin Pronunciations.
- 24.2 Illustrations Rare and Endangered W A Orchids.
- 24.3 Newspaper Clippings.
- 24.4 R Bates. Variations *Cal. Barbarossa*.
- 24.5 Drawings - Annette Wilson.

Our thanks and appreciation to Mrs Dianne Merritt<sup>2</sup> for her time and efforts in sorting all the above material into its present systematic and tidy form and collating these lists.

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#### Orchids and Vegetation of Dryandra Forest (cont'd)

9. Flooded Gum *Acacia Drummondii* Community. A range of *Caladenia* species occur in this region including *C. patersonii* var. *longicauda*, *C. filamentosa* var. *denticulata*, *Caladenia* sp. and *Diuris laxiflora*.

It is rather surprising that the weed orchid from South Africa *Monadenia bracteata* is occurring on some of the perimeters of the reserve even though the region is drier than habitats normally expected for this orchid.

Recent discoveries in Dryandra of new orchids include *Caladenia barbarossa*, *Caladenia macrostylis* (only two plants recorded for the reserve) and *Thelymitra canaliculata*.

Dryandra is a rich and varied area which at present is classified as a forestry reserve. It also contains a number of rare native marsupials, foremost amongst these being the Numbat. It is also a rich bird area with a large number of Mallee Fowl (and their exceedingly large nesting areas). Altogether approximately 600 flowering species occur in the area although the grasses, rushes and sedges are yet to be recorded systematically.

**SUPPER ROSTER 1988**

July Joy ST JACK  
August Sara ATKINSON  
September Lionel JOHNSTON

**RAFFLE ROSTER 1988**

July Wayne MERRITT  
August I & J GREEVE  
September Roy STAPLEDON

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A S GEORGE

**Next Field Trip:**

**August 27th and 28th.** Leeman "Northern Heathland Orchids".  
Further details are contained elsewhere in this Bulletin.

**FOR SALE:** 2 Volumes of "Flora of the Perth Region"  
by Marchant & Others - \$30  
Contact Denis Burdinat phone 331 2394

**ARRIVAL OF NEWEST MEMBER:**

Adrian James Burdinat - Born 3/5/88, Length 21", Weight 8 lb 4 oz.  
Congratulations.