BULLETIN

OF THE

WESTERN AUSTRALIAN NATIVE ORCHID STUDY AND CONSERVATION GROUP (INC)

July 1993

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COMMITTEE	Bill Burton	
	Steve Phillips	
	Jean Long	
	Wayne Merritt	

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 environments.

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 exchange 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 conductive to the attainment of the above objectives.

NOTE: The opinions expressed by contributors to this bulletin are not specifically endorsed by the group.

POSTAL ADDRESS OF GROUP PO Box 323
Victoria Park 6100

NEXT COMMITTEE MEETING - Wednesday, 21 JuLY, 1993 at 7.00pm, Kings Park Board Administration Centre.

NEXT GENERAL MEETING - Wednesday, 21 JuLY 1993 at 8.00pm, Kings Park Board Administration Centre.

TOPIC FOR GENERAL MEETING

Steve Hopper will be our guest speaker. He will be telling us about what is happening in Kings Park.

BULLETIN CONTRIBUTIONS

Contributions are needed for every edition of the Bulletin. Articles should be sent to Marie French

The article submission deadline for the next issue of the Bulletin is 1st August, 1993.

ANNUAL GROUP MEMBERSHIP FEES - RED SPOTS.

Does your Bulletin have a red spot? If so, you are currently an unfinancial member of WANOSCG. 1993 Membership Fees are now due!

The group membership fees for 1993 as follows:

Single Membership	$20.00 pa
Family Membership	$20.00 pa
Junior Membership	$ 2.00 pa

FORTHCOMING FIELD TRIPS

July 24/25 Weekend Trip to Wongan Hills

This will be a weekend trip to the Moora/Wongan Hills area. There should be heaps of orchids out. We meet outside the Bindoon Pub at 10 am. We will be spending the night at Wongan Hills. Those wanting accommodation please contact me before June 30.

July 31 (Saturday)

Carmel/Pickering Brook area.

An investigation of four burns in this area has shown that there are not many orchids. There would be none in flower for the proposed trip, so for that reason I will postpone this outing until later in the year. If anyone would like information as to the locations visited or wishes to go and investigate for themselves, I will be happy to provide the details.

August 18 General Meeting.

August 28/29

Weekend trip to Mt. Lesueur and Koolanooko.
We will meet at the information Bay on Brand Highway at Jurien Bay turnoff at 11 am.

We will be going to Mt. Lesueur National Park to look for Thelymitra variegata and various other orchids flowering at that time. We will leave the Mt. Lesueur area at 2.30 pm and look for Caladenia crebra near Eneabba. We will look for Caladenia doutchiae and C. roei at Koolanooka on the Sunday. Expected time of arrival at Udale Caravan Park is 5 pm, Saturday evening.

On site accommodation includes:
1 chalet accommodating 5 people - Cost $25 for 2 people and $2 per extra person...includes bedding.
1 converted bus accommodating 6 people - Cost $20 for 2 people, $2 per extra person...includes bedding.
Ample powered and unpowered sites available for caravans and campers.
Gerhard and Anna Brunnbauer will be leading this trip.

September 4/5
Weekend trip to Mullewa/Paynes Find area.

September 18 General Meeting

September 18/19
Weekend trip to Wave Rock and Jilakin Rock.

September 26th (Sunday)
Collie area.

October 2nd to 9th.
A week trip to the Stirling Ranges.

October 20 General Meeting.

October 23/24
Weekend trip to the Pallinup River area.

November 6/7
Weekend trip to the Walpole/Muir Highway area.

November 14 (Sunday)
Lake Leschenaultia area.

November 17 General Meeting.

November 27 (Saturday)
Christmas Party. Andrew Brown's home.

December 11/12
Weekend trip to Walpole area to investigate summer burns.

Nye Evans

FIELD TRIP REPORTS

Mt. Cooke - 3/7/93

A total of nine cars turned up for the hike up to the top of Mt. Cooke. Despite getting there ten minutes early I still ended up being scribe for the day!

The walk up towards the top was reasonably easy, although most people had to stop at frequent intervals to "look at the view."

Prasophyllum parvifolium, 'Burnettia nigricans', Eriochilus 'dilatatus subsp. multiflorus' and Thelymitra sp. were all found on the lower areas. As we climbed higher there were numerous colonies of Cyrtostylis robusta in leaf and bud tucked away under rocks and growing in association with ferns and fungi. Diuris brumalis was also seen in bud as were Pterostylis recurva (b), P. aff. nana, P. sargentii (f), 'Leptoceras' menziesii, Lyperanthus serratus (l), Caladenia flava (l), 'Cyanicula' sericea (l).

Nearing the top we found a good population of the Pterostylis aff. vittata (Grey Banded Greenhood). A lot of the plants were green in colour and varied in height from 25 mm to 30 cm. Most of the group spread out over this area and proceeded to get on with the serious job of photographing them.

A few of us pressed on towards the top where there were not only magnificent views, but more orchids.

Noel Clarke had the misfortune to lose some of his camera equipment on the way up, so if anyone "happens" to be going up Mt. Cooke, can they please keep an eye out.

The descent back to the car park was obviously much faster with gravity and the strong desire for nourishment taking over.

After lunch we headed back to Sullivans Rock. Here we found good numbers of Prasophyllum parvifolium as well as Pterostylis sargentii, P. aff. nana, and the bonus of P. aff. vittata (Grey Banded Greenhood) and Leporella fimbriata all in flower.

Other orchids found at the rock included Pterostylis aff. vittata (b), P. recurva (b), 'Cyanicula' sericea (l), Caladenia flava (l), 'Burnettia' nigricans (l), Thelymitra sp.(l) X 3, T. antennifera (l), and Spiculaea ciliata (l).

By this time it was late afternoon and with thoughts of tea and the Wimbledon Finals uppermost, we headed for home.

Nye Evans

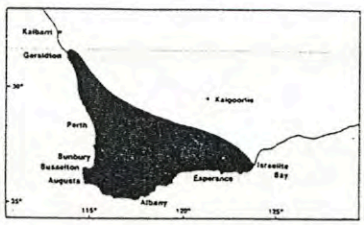
A CALL FOR HELP TO OUR MEMBERS:

Matthew Jones, a student at Applecross Senior High School and one of younger members recently wrote to request help from our members with the collecting of Orchids, specifically, Caladenia flava and its proposed subspecies.

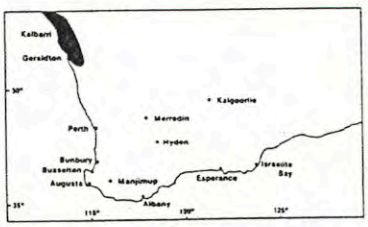
Matthew is doing a school based research project and has submitted the following hypothesis for his project.

'The objective of this project is to collect data that will support or contradict the hypothesis that there are certain observable physical variations in the three subspecies of Caladenia flava ie. between C. flava subsp. 'flava', C. 'flava subsp. maculata' and C. 'flava subsp. slyvestris'. The current project will deal specifically with the variations between C. flava subsp. 'flava' and C. 'flava subsp. maculata'.

In Hoffman and Brown (1992), ***Orchids of South West Australia,*** *the subspecies flava and maculata are shown to have varying distributions. Subspecies flava is more widespread occurring throughout the south-west of W.A., south-west of a line drawn from Geraldton to Israelite Bay. Subspecies maculata is much more restricted in its distribution occurring in a coastal strip from just north of Kalbarri to South of Geraldton.*



Caladenia flava subspecies flava



Caladenia flava subspecies maculata

The hypothesis is "that there are a number of physical differences between these two subspecies that can be consistently observed and recorded in the designated distribution areas."

These are:

*1. **The number of "teeth on the labellum** - The most significant variation between the two subspecies is thought to be the number of "teeth" on the labellum. It is proposed that subspecies flava has 2 to 3 marginal "teeth" and subspecies maculata has 4 to 8 "teeth".*

*2. **Pattern on the dorsal sepals** - A second proposed variation is the pattern on the dorsal sepals. It is proposed that the subspecies flava usually has dorsal sepals with longitudinal suffusions and stripping, whilst the dorsal sepals of subspecies maculata are usually irregularly marked with brown-fawn blotches.*

Sampling.

After discussions with Dr. S. Hopper (Director of Kings Park) it was decided that a sample population of no more than 15 plants from each sample area will be adequate (10 -15 plants required from each location). records, maps and plots of the data will be prepared to assess the hypothesis. A licence to collect will be obtained from C.A.L.M.

If members have a licence to pick and would like to collect for Matthew or need more information about Matthew's requirements, they can contact him on

We wish him well with his project and hopefully he will allow us to publish the results of it when it has been marked.

FOCUS ON FERALS

The Conservation Council has contacted the group to ask us to draw to your attention on a future seminar they will be running on the impact of feral Animals in the South West of W.A.

The seminar aims to :

* Provide an overview of the role of ferals and more generally introduced fauna within the wider perspective of the whole ecosystem management in the South-west of W.A.

* Provide an overview of the current programs on feral species.

* Establish a dialogue between government agencies, scientists and community groups.

* Make recommendations on future actions where appropriate.

THE SEMINAR WILL TAKE PLACE AT THE END OF SEPTEMBER OR EARLY OCTOBER 1993. A REGISTRATION FEE WILL APPLY. FOR FURTHER INFORMATION : Contact Liz or Margaret on or leave a message at the Conservation Council on **220 0652.**

Please watch in the Bulletin for further information regarding the venue, date and time!! **Our members are most welcome to participate in this seminar!**

MAY GUEST SPEAKER : MR. RON HEBERLE

My apologies for not running this talk in last month's Bulletin (and for the mistakes in that one). I was studying for an exam and did not have time to type it up. Ron kindly allowed us to tape his talk at the May meeting and as usual it was informative, controversial and stimulating. We thank him again for allowing us to reproduce it for you.

I am going to talk to you about orchids of the Albany region. I don't know for a start what the Albany region is. We hear various people say that the Albany region extends to Cranbrook and to Katanning. Well I don't think that is valid. What I have done is to prepare a program where the vast majority of the orchids come from within a hundred kilometres of Albany, most come from within fifty kilometres, a great many come from right in the town.

I prepared the program which is based on the History of Orchid collecting and an article by me was published in 1st edition of *'Orchids of Western Australia'*. I've selected all the orchids where the type specimen comes from that area. I've done this with the purpose of suggesting that if we are going to get around to positive identification, we haven't done that yet, we have got to go to the locations where the type specimens were collected and look at what is there and THAT MAY THEN BE a duplicate of the type specimen. If we go fifty or one hundred kilometres away, we will find what we call the same specimen until we put it under the magnifying glass, then it looks entirely different. This is the result of gene exchange and the further we go away from the source of the type specimen, the more different from the type the orchids become. This is the result of geographic variation and of course of habitat as well.

This is something we don't seem to have gone into in Western Australia yet.

We are going to have to do that because apparently our methods of identification are not good enough. They are much better today than they were, as they were far worse two decades back. A person then could take an orchid to a professional and he would say 'this is *so and so*' and they could take the same orchid back two months later and he would give them an entirely different name for it. That sort of thing happened all the time. Today it is not quite as bad as that because a lot of work has been done, particularly in the last ten years. A tremendous amount of work has been done by you people, but the fact still remains that you can't be certain that what you are identifying as a particular species is what has been published as the type specimen. I am going to cover all of the Botanists and the people who collected the specimens (which is what I have done in the article in the book I previously mentioned).

Before I do I want to say that in 1971 Alex George published a book, *A Check List of The Orchidaceae of Western Australia*, that superseded all previous revisions and all previous names. Whatever was in that book was what we were expected to accept. Now Alex George tended to be conservative. He reduced something like 37 named species to synonym at that time. We protested but it was there. Now we don't have to adopt that sort of thing as amateurs, professionals have to, but we all did adopt it because we didn't know any better.

That went on quite some time until *Australian Orchid Research Vol. 1* was published by Mark Clements in 1989. Mark Clements reinstated a great many of those that had been reduced to synonym, quite rightly, and most of you would agree with that. He also did what was rather way out, I think, he ignored varieties and he elevated all varieties to species rank. I didn't agree with that, but that is his opinion.

Well as far as the West Australian content is concerned, there are a few things in this which I personally didn't agree with although I have been involved with the author and his co author, David Jones and I still am. Well I have conveyed my opinion and I was told that 'We have done our best and we will update this in the future and we will correct anything that we believe to be wrong.' Well I hope I live long enough.

As far as the total content is concerned it is mostly with Eastern States Orchids. They have created a terrific controversy in the Eastern States, particularly with those orchids on the front cover, the genus, Dendrobium. So much so, that the A.N.O.S. Executive and A.N.O.S. in Victoria have advised their members to ignore the coverage on Dendrobium and continue to use the old names, because they didn't agree with the new names and they wouldn't accept them. Now that is also our prerogative to do that.

In David Jones book, *Australian Orchid Research Vol 2.*, he published quite a few West Australian Orchids.

Corybas recurvus, has been around since I was a boy. It grows every where. It is as common as dirt, yet we had to wait until David Jones came over here to have a look at it and to name it. It had two names previously by professionals (who didn't know what they were doing) which were invalid. We had to wait until that time.

This shows that interest, until Stephen Hopper came on the scene, in West Australian terrestrial Orchidaceae was negligible. That is only one glaring example. If Stephen had been around thirty years ago that would have been named in the first few years, but of course he was still at school. Don't think I am trying to butter up Stephen because we have a few good old arguments. (In the background Stephen agrees).

One thing I want to impress upon you is that these two books *(Australian Orchid Research Vol.1 and Vol.2)* and a few papers that have been published, are the only valid names that we should be using. They are the only names that have been validly published. We shouldn't be using manuscript names, as this group has been using for a decade or close to it. We shouldn't be using the names that are in the second edition of Hoffman and Brown until such a time as they have been formally been published.

A question to Ron from the floor.

Q. "Ron, would you mind explaining that, I don't understand what you mean. I understand that Hoffman and Brown has been published; you say it hasn't?"

A. It hasn't been validly published. That is just a commercial publication. Valid publication is done by a recognised Scientific organisation which has independent and anonymous referees who examine the manuscript that is submitted by the particular botanist. They examine the manuscript and check it out for authenticity and factuality. They then endorse it. It is then published in a recognised Scientific journal which is accessible to every herbarium, every botanic gardens and every university in the world and is readily available to all of us if we want it. When that happens, we have to accept it. We don't have to, but we should be obliged to accept it. I don't know when Stephen's manuscript will be ready."

Ron then showed and talked about slides of orchids that are probably related to type specimens collected in the Albany area by botanists such as Archibald Menzies (1791), Robert Brown (collecting December 1801), Dr. Collie, Von Heugel (December 1833), Maxwell, Ludwig Preiss, Harvey, Oldfield, Fitzgerald, Rogers, Nicholls, David Jones and Bates.

I could not reproduce Ron's talk about his slides as it was very much directed towards his slides. If you would like to know more about the orchids of the Albany district and/or the early Botanists and their contribution towards the understanding of our Western orchids, please read Ron's article in ***Orchids of Western Australia.***

This can be borrowed from our library if you don't own a copy. The first edition of this book is unfortunately out of print now.

P.S. A delightful little quote from Ron's talk as he displayed his slides was about women. I thought I would reproduce it here for you to enjoy also.

"My wife , like all wives, has beady little eyes that don't miss a thing. I can't get away with anything...anyone co-habituating with a woman, don't try to get away with anything, you won't. I know, I'll be eighty this year, it took me sixty years to find that out. When I was a speaker at the Orchid Conference, I wanted to give the ladies a boost. My wife is an expert at finding orchids. She reckons she doesn't know much about them, but she probably knows more than I do. Most ladies are very good at finding orchids and that is why we take them with us. I talked about this at the Conference. I said "take a lady into the bush and it all happens." They laughed their heads of at this and I don't know why, I was talking about orchids!!"

MINUTES OF W.A.N.O.S.C.G. GENERAL MEETING-16 JUNE 1993.

Meeting commenced 2003.

PRESENT AND APOLOGIES

As per the Attendance Book. There were three visitors.

In the absence of the President, the Vice President chaired the meeting.

MINUTES

Moved Burton/Phillips "that the minutes of the General Meeting held on 19 May 1993 be accepted." Carried.

BUSINESS ARISING

Bill Burton advised he was ready to accept orders for T-Shirts.

CORRESPONDENCE

Inward.
Gerald McCraith's letter of thanks and letter re Orchid Conference were read out.

Outward.
As Tabled.

TREASURER'S REPORT

As circulated.

FIELD TRIPS

As per Bulletin.

Ryan Phillips visited the Mersay State Forest and advised it should be a good area for orchids.

Noel Hoffman suggested that a visit to the Narrogin area would be rewarding.

PLANT TABLE

Andrew Brown described the orchids on display. A good show.

GENERAL BUSINESS

Bevan Buirchell advised that the **Department of Planning and Urban Development had purchased the land around the Anstey Road swamp.** A thank you letter to be sent.

Noel Hoffman advised that the land opposite C.A.L.M. Dwellingup is the proposed site of a caravan park.

Eric McCrum gave a very interesting talk on spiders (arachnid types).

Andrew Brown provided the raffle prize which was won by John Eaton.

A delightful supper was provided by Anna and Gerhard Brunnbauer.

Meeting closed at 2145.

FOR SALE.

ORCHIDS OF WESTERN AUSTRALIA.. 2ND ED.

WANOSCG's second publication of the cultivation and natural history of WA native orchids is now available with 14 pages of COLOUR PHOTOGRAPHS.

THE BOOK IS PRICED AT...

$ 9.00 (plus $2.00 postage for WANOSCG members

OR $12.00 (plus $2.00 postage) for non-members.

THELYMITRA APICULATA BADGES

The badge features Thelymitra apiculata, a beautiful orchid, the status of which is not declared rare and endangered, but is under the scrutiny of CALM.

The badges cost $4.00 (plus $1.00 postage and packaging).

Three quarters of the badges have been sold so far, so if you have not bought one yet, you are in danger of missing out.

5 IN 1 SURVIVAL AID

In order to encourage safety awareness in the bush on field trips, the group has purchased 50 "Survival Aids".

These are basically a whistle and compass combination but also incorporate a small signalling mirror, a fire starter flint, a nylon lanyard (to hang it around your neck) and a water proof match container. In addition, the compass has a luminous dial.

The survival aid has been purchased below normal retail prices and is being offered to group members at cost for $6.00 (plus $2.00 for postage).

I recommend members carry a whistle and compass combination of some sort. Even our most experienced members have been lost at some time in the bush.

PAT DUNDAS NATIVE ORCHID CARDS

Packs of 6 blank cards and envelopes featuring different W.A. native orchids by Pat Dundas are available from WANOSCG.

These are excellent value at a price of $8.00.

They would make a superb gift or would be a perfect way to contact friends or relatives while highlighting the colour and beauty of our W.A. orchids.

WANOSCG STICKERS

Don't get lost on the next field trip (or if you do, take somebody else with you).Purchase a WANOSCG sticker for your car window. The stickers are 150 mm square, green on white, making them visible from quite a distance. They are priced at $0.50.

WANOSCG NAME BADGES

Be proud of yourself. Let everybody at group meetings and field trips know who you are.
Buy a WANOSCG name badge embossed with your name and wear it with pride.
These are available for $7.00. (cost price).

All of the above items can be purchased from Chris French at any meeting of the group, or can be ordered from Chris by mail (address is on the inside cover). Please add $2.00 for postage and packaging for each item.

"T"-SHIRTS & SWEATSHIRTS

"T"-Shirts, Sweatshirts and other items of clothing can be purchased with the group's logo screen printed on them. The prices vary depending on the style of garment you select and the full range of styles and prices can be found in the June Bulletin. You can also supply your own item of clothing for screen printing for a small fee.

All queries regarding clothing or printing should be directed to Bill Burton.

PHOTOGRAPHIC COMPETITION

Once again, the group is planning to hold an orchid photographic competition. The format is almost identical to last year, with ten categories of orchid.

The winner of each category will receive a roll of Fujichrome 100 ASA slide film (24 exposures, processing not included), and winning entries will be enlarged and used for display purposes to promote the groups activities.

An entry form is included in this Bulletin. Closing date for entries is 15th September, 1993, at the club meeting on that evening.

W.A.N.O.S.C.G. (Inc)

Photographic Competition – 1993

Closing Date – 15th September, 1993

Entrant Details

Surname (Mr,Mrs,Ms,Miss)	Given Name/s	
Address		
	Post Code	Phone

Entry Categories

Category Number	Orchid Name	Slide Entered (Yes/No)
1	Caladenia multiclavia	
2	Caladenia attingens OR Caladenia falcata	
3	Caladenia arrecta	
4	Cyanicula gemmata OR Cyanicula gertrudiae	
5	Drakonorchis barbarossa OR Drakonorchis mesocera	
6	Drakaea livida	
7	Thelymitra villosa	
8	Diuris longifolia OR Diuris corymbosa OR Diuris magnifica OR Diuris brumalis	
9	Caladenia flava subsp. flava or subsp. maculata or subsp. sylvestris	
10	Epiblema grandiflorum	

Total Number Of Slides Entered (Maximum Of Ten)	
Signature of Entrant:	

Committee Use only	
Checked	Initials

Conditions Of Entry

All slides must be the work of the entrant.

A maximum of one slide may be entered in each category.

Each slide must be in standard 5cm * 5cm mounts not exceeding 2.5mm in thickness and shall not exceed 35mm in format.

Slides must be clearly marked with the entrant's name, address, and category number to correspond with the entry form.

Slides should be spotted in the lower left hand corner as viewed when held in the hand.

Entries may be hand delivered at W.A.N.O.S.C.G.(Inc) meetings or posted to Nye Evans, or Chris French. Where entries are posted, return postage and packaging must be included.

Entries will only be accepted from financial members of W.A.N.O.S.C.G.(Inc).

The greatest care will be taken with entries but no responsibility will be accepted for loss or damage.

All winning slides will be reproduced as a photographic print to be used for display purposes at W.A.N.O.S.C.G.(Inc) approved venues.

One roll of 24 exposure Fujichrome 100 ASA colour slide film will be awarded to the owner of the best entry in each category.

Judging of entries will be arranged by the committee of W.A.N.O.S.C.G.(Inc). The judge's decision will be final.

SUPPER ROSTER		RAFFLE ROSTER	
July	Aileen McKay	July	David Lawson
August	Marie French	August	Joan Greeve
September	Jan Evans	September	Wayne Merritt

WANOSCG
PP630205/00007

SURFACE MAIL

POSTAGE PAID AUST

PO Box 323
Victoria Park 6100

MR A BROWN

W.A.

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Forthcoming Field Trips

Wongan Hills/Moora Weekend 24 & 25 July
Mt Lesueur Region Weekend 28 & 29 August.