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BULLETIN

OF THE WESTERN
AUSTRALIAN NATIVE
ORCHID STUDY &
CONSERVATION GROUP
(INC) (1974 - 2005)



Pt sanguinea

Registered by Australia Post Publication No WBH 1240

JULY 2005

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 Treasurer: Matz Dahlkamp
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 Conservation Officer: Eddy Wajon
 Supper Co-ordinator: Donna Wajon
 Conservation Council Representatives: Eddy Wajon, Mike Harper

Committee: Ross Fox:
 Margaret Fox:
 Ian Greeve:
 John Ewing:
 Editor: Tom Blinco
 Registrar: Chris French:
 Librarian: Bill Burton
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OBJECTIVES OF THE GROUP

- To promote interest in and preserve Western Australian indigenous orchids.
- To learn the best means of cultivation and do all things possible for the conservation of native orchids in their environment.
- To learn their habits and keep records.
- To have field days and learn to recognize the different genera and species.
- To hold meetings for the exchange of knowledge and furthering of interest in W.A. orchids.
- To affiliate with kindred organizations.
- To make rules for the governing of the Group's domestic affairs.

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

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WEB MASTER Don Ward email:

NEXT COMMITTEE MEETING

Wednesday, 20 July 2005 at 7.00pm at the Lecture Theatre, Kings Park Admin. Office.

NEXT GENERAL MEETING

The next General Meeting will be held on Wednesday 20 July 2005 at 8.00pm at the Lecture Theatre, Kings Park. The speaker will be John Ewing, and his topic is "Orchids of the UK".

BULLETIN CONTRIBUTIONS

Contributions are needed for every edition of the Bulletin. Please send to Tom Blinco at [redacted] Contributions from country members are especially welcome. The deadline for the next issue is 1 August 2005.

FORTHCOMING MEETINGS

Wednesday 20 July - General meeting

Sunday 24 July Field trip - Cataby

Sat/Sunday 13/14 August - Kalbarri

Wednesday 17 August - General meeting

Sat/Sun 20/21 August - Field trip Perenjori

Sunday 4 September-Field trip Brookton

15/18 September - WA Orchid Spectacular at

Victoria Quay, Fremantle (see the June

Bulletin for further details).

Wednesday 21 September - General meeting

Sat-Mon 24/26 September (Long weekend)

Field trip Jerramungup.

Wednesday 19 October - General meeting

Sat/Sunday 29/30 October - Field trip

Augusta/Scott River (details later)

Wednesday 16 Nov - General meeting

FIELD TRIPS

For all the following field trips please advise Ross Fox [redacted] if you are attending or if you change your mind. For the weekend field trips, please take account of Ross and Margaret possibly leaving several days in advance of the meeting date.

CATABY SUNDAY 24 JULY

Meet on Brand Highway at the corner of Mullering Road, approx. 9km north of Cataby, at 10.00am.

KALBARRI 13/14 AUGUST

Meet at the 60km speed limit sign at the southern approach to Northampton at 10.00am Saturday 13th August. Overnight Saturday at Kalbarri, some of those attending will be at the Tudor Caravan Park (phone 1800 681 077, or 9937 1077). Chalets are also available at this caravan park.

PERENJORI 20/21 AUGUST

Meet at the Perenjori Caravan Park at 10.00am Saturday 20th August. Overnight here, restricted accommodation but available at the caravan park, Perenjori Hotel, which also has three motel units (phone 9973 1020), or Zarnies B & B (phone 9973 1230).

BROOKTON SUNDAY 4th SEPTEMBER

Meet at Brookton Sports Ground, when approaching from Perth, at 10.00am.

JERRAMUNGUP SEPTEMBER 24/25/26 (Long Weekend)

Meet at 10.00am Saturday 24 September in Chester Pass Road, at the intersection of the Gnowangerup - Jerramungup road, approx 5km north of Borden (oops!!- please ignore

the obvious incorrect information in the June Bulletin).

Overnight at Jerramungup both nights. Various types of accommodation are available here, including the Jerramungup Caravan Park which also has available chalets and park cabins (phone 9835 1174).

Donna and Eddy Wajon have advised that restricted accommodation is available at their southern ecology block, approx 30km from Jerramungup. Contact them for further information.

Please be aware that this is a school holiday period, so reservation of accommodation would be advisable.

THANKS FROM SARAH

Sarah Atkinson wishes to thank all members for their kind messages of sympathy on the passing of her beloved mother.

FIELD TRIP PROCEDURES

Please remember these important rules -

1. Advise the Trip Leader if you are attending so that you can be advised of any change to arrangements. Advise the Trip Leader also if you later change your mind about attending.
2. During the field trip keep the following vehicle in sight. If it falls behind then slow down or wait until it catches up. Not every one drives at the same speed, or there may be a problem - it happens!!
3. When you turn, slow down or stop at the turning point until you are sure that the following vehicle is going to also turn.
4. Please ensure that you have sufficient fuel to get you through the field trip.
5. As an incentive to get everyone involved, the last to arrive at the appointed meeting place may be asked to write the field trip report and provide it to the Editor so that others can read all about it. There is no drama with this little job - plenty of others are there to provide assistance.
6. Accommodation for weekend trips is your own responsibility.
7. All proposed field trips are subject to change.

FOR SALE (Contact the Treasurer)

Personal name badges \$10.00 each

Pat Dundas Cards (orchid paintings) \$10.00
(pack of four)

Caladenia flava Badges \$4.00 members,
\$5.00 non-members.

Colour Guide to Spring Wildflowers
by Eddy Wajon - \$18.00 each.

Part 1: Kalbarri & The Goldfields

Part 2: Perth & The Southwest.

Part 3: Esperance & The Wheatbelt

Club Polo Tee-shirts, 100% cotton with
embroidered club logo, varying sizes, surplus
after orders have been met. Cost is \$25.00
each. Please contact Donna Wajon.

BOTANICAL NOMENCLATURE THE WEST AUSTRALIAN HERBARIUM FLORABASE 2

*Completion of notes from address by Garry
Brockman to the May 2005 meeting.*

SYNONYMS

Where the name of a plant is based on the
name of another and thus on the same TYPE
they have the same epithet in common
e.g. Thriptomene decussata [Fitz] W Green,
and Scholtzia decussata Fitz.

There are a number of different
circumstances where different species
become synonymous -
e.g. Caladenia vulgata = incensa.

NAMES OF PLANTS - Formation of epithets derived from the names of people. These can take two principal forms as follows SUBSTRATIVE EPITHETS

When the person's name ends with a vowel
[including "Y"] or "er", add the letter "i" for
a masculine or "ae" for a fem, except when
the name already ends with an "a", when only
an "e" is added

e.g. gardneri [after Charles Gardner]
christineae [after Christine Hopper].

When the name ends with a consonant
[except "er"] the letters "ii" are added for a
masc and "iae" for a fem -

e.g. dorrienii [after Arthur Algernon Dorrien
Smith]

dundasiae [after Patricia Dundas].

If the name honours two people
simultaneously the endings -iorum [masc] or
-arium [fem] - are used with the masc taking
preference if of both sexes

e.g. Stylidium hortiorum (honouring Fred
and Jean Hort).

ADJECTIVAL EPITHETS

If the name ends in a vowel [including Y]
then the letters -an- are added

e.g. Triodia burbudgeana. [fem.] -
burbudge an- and -a- [for fem].

If the name ends with a consonant the
epithets are formed by adding -ian-

e.g. Stylidium maitlandianum [neut]
maitland -ian- and -um for [neut] =
maitland-ian-um

NAMES OF PLANTS - Formation of epithets derived from geographical names

These can be in the form of -

-ensis [masc. or fem]

-ense [neut]

-icus [masc]

-ica [fem]

-icum [neut]

-inus [masc]

-ina [fem]

-inum [neut]

e.g. pholcoidea subsp augustensis
and of course they are gender specific.

VALID PUBLICATIONS

In order to be accepted a new name must be
presented in a manner that conforms with the
regulations of the ICBN.

These are as follows -

A - The name has to be published in printed
form in a scientific journal or a book but not
a newspaper or trade catalogue, and not on
the Internet.

B - The publication has to be available to the
public, or at least the scientific public,
through libraries and scientific institutions

C - The new name has to be presented in the
correct form as laid out above.

D - If published after January 1935, the name
must be accompanied by a Latin diagnosis or
description and have reference to previously
published description in Latin.

E - The type has to be cited and the
institution holding that type to be stated.

F - If the name is a new combination, then
this must be actually given.

G - A name is invalid if the specific epithet is
spelled exactly the same as the genus name.

H – A name has to be accepted by the author. It is not sufficient to say that this name would be appropriate.

A name that does not conform to these regulations is NOT validly published.

HYBRIDS

Names of hybrids are published in the form of a formula. These are in alphabetical order or in some cases by gender with the female epithet taking precedence.

e.g. *Caladenia barbarossa* x *georgii*

No author is noted for hybrid names.

If the hybrid has been named the X comes between the genus and species names

e.g. *Caladenia* X *cala*

In rare intergeneric hybrids a similar formula applies

e.g. *Cyanicular sericea* X *Elythranthera brunonis*.

MANUSCRIPT NAMES

These are sometimes used to separate plants into groups prior to application of the above system of naming.

These are NOT published names and are used only for convenience and research purposes to identify that particular group.

These are identified if used in any literature with the use of the letters “ms” following the epithet

e.g. *Paracaleana carinata* ms.

LIKE SPECIES NAMES – “sp”.

These apply to members of a species that are considered different from the TYPE, and apply like “ms” names.

They are NOT valid names.

These are usually in the form of location or habitat descriptors - e.g. *Caladenia* sp Jaurdi Hills [G.B. Brockman 933].

The epithet name has a capital, as it is a geographical location. The Jaurdi Hills are NE of Southern Cross. In brackets is the collector's name and collection number.

THE WEST AUSTRALIAN HERBARIUM

The herbarium is situated on the corner of George and Hayman Roads, Como.

THE LIFE OF A HERBARIUM SPECIMEN IN THE FIELD

1. COLLECTING. Why collect it? - limited collections/knowledge; range extension;

different?; unknown location; record status for conservation.

e.g. *Paracaleana lyonsii* ms -

1994 – originally known and thought associated with yellow sand/sedge habitat,
1999 collection Bernabinmah Station
2003 collection Jaurdi Station
2004 collection Mt Jackson

2. LICENSING - general license; DRF license; permission [land manager/owner, state barrier fence, aboriginal land].

3. CONSERVATION CONSIDERATIONS
MAKE SURE THE PLANT SURVIVES
Make sure the population survives
Make sure the habitat survives

4. COLLECTION DETAILS
Location, date, state of plant, GPS, population status, habitat, collector details and number.

5. PRESERVING SPECIMENS
PRESSING - don't dry it; display the diagnostics (type sheet shown of *Hydrorchis cupularis*).

SPIRIT COLLECTION – alcohol
dates shown in spirit collection include 1967 and 1971

BOTANICAL CARD – collection card showing various parts of *Diuris*

6. PHOTOGRAPH IT – repeatedly!!

IN THE HERBARIUM

1. SPECIMEN PREPARATION. All specimens are frozen for two weeks for protection from bugs.
2. LABEL AND MOUNT. Archival card and glues; generate labels from collection slips. Volunteer workers.
3. DATA BASE. Check all details on label. If incorrect, back to collector; bar coded.
4. TO TAXONOMIST FOR CLASSIFICATION
Determination slips; confirmant slips (examples shown)
5. BACK TO DATABASE. Change if necessary; enter on FloraBase.
6. FILE OR STORAGE. Reference herbarium specimens removed; loans for reviews; internal reviews; sp names/ms names; or many boxes of specimens wait to be sorted, or for the new herbarium [2008?].

TIME FRAMES – minimum times

Collection to lodgement 1 – 6 months

To FloraBase – 12 months

To Reference Herbarium, specimens 2 years.

Orchids are in file No.66 in the Reference Herbarium. Anyone is welcome to research in the herbarium, but there is no assistance.

FLORABASE

A historical collection of plant specimens collected in Western Australia. Information regarding those plant species and collections.

The Florabase website opening page contains eight headings from which information may be obtained – plant names, flora descriptions, species images, specimen data, distribution maps, botanical library, interactive identification, plant of the month. e.g. for genus *Thelymitra* there are 57 records and for species *Caladenia flava* R Br subsp *flava* there are 285, and there are icons to indicate the information held.

Changes occur as reviews take place and are published. These reviews are searched and changed continually on Florabase by database staff.

FLORABASE ACCESS LEVELS

Levels 1 – 3. Public access

Information available regarding plant, general location and photo.

Level 4. Restricted access

Site descriptions, collection details, GPS.

Level 5. Restricted access

Full details, full GPS, including DRF.

ORCHID NAME CHANGES

Some alterations have been made to the names of some *Thelymitra* species, as published by J. Jeans in the botanical journal MUELLERIA Volume 19 (2004) -

T pauciflora (H&B 1998 pg 263) is now

T vulgaris, a new name.

T aff holmesii (H&B 1998 pg 452) is now

T xanthotricha, a new name.

T aff pauciflora (H&B 1998 pg 453) is now also *T xanthotricha*.

Thelymitra frenchii (new species)

Notes

T pauciflora is confined to South Eastern Australia and is not a WA species.

T vulgaris is wide spread in the South West of W.A., flowering from late September to early November. The type specimen is from Warradale Road, Dale, and the published description says that the name

comes from the Latin *vulgaris*, meaning common, usual.

T xanthotricha grows in the Darling Range and coastal plain from Perth to Bunbury and flowers in September & October. The description says that this name comes from the Greek *xanthos*, meaning yellow, and *trichos*, meaning hair – in reference to the creamy yellow trichomes (hairs) on the lateral lobes.

T graminea is a larger flowered species in the *T macrophylla* complex. The photo shown as *T graminea* (H&B 1998 pg 265) is now of *T vulgaris*.

Thelymitra frenchii flowers in October and is only known from one population near Jarrahdale. It has a pale blue column and is named after Chris French, one of our members.

Any members interested can see *Muelleria* Volume 19 in the Alexander Library, Perth.

Other recently published names are – *Pterostylis aff picta* (H & B page 372) is described in *The Orchadian*, Volume 14 Number 10, and named *Oligochaetochilus frenchii* (also named after Chris French).

Hydorchis cupularis is a newly named orchid similar to *Microtis orbicularis* and is described in *The Orchadian*, Volume 14 Number 11. According to the description this species is widespread, occurring in state forests and reserves and was first recognized as being a different species by Garry Brockman in 1999. The type species is from Piney Lakes Nature Reserve and the name is from the Latin *cupularis*, referring to a strongly cupped labellum.

Thanks to Noel Clarke for his input to the above information.

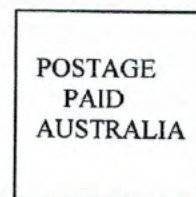
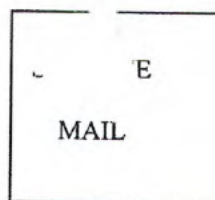
MINUTES OF GENERAL MEETING 15 JUNE 2005

These Minutes are not available at time of printing and will be presented at the next meeting.

	SUPPER ROSTER 2005	RAFFLE ROSTER 2005	SPEAKER 2005
MARCH	Donna Wajon	Tom Blinco	Bill Burton
APRIL	Noel Clarke	Christine Lock	TBA or slides
MAY	Margaret Fox	Gerald Stack	Garry Brockman
JUNE	Matz Dahlkamp	Sarah Atkinson	Nigel Swarts
JULY	Joni Eaton	Noel Clarke	John Ewing
AUGUST		Del Hayward	
SEPTEMBER		Joni Eaton	
OCTOBER			
NOVEMBER			

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BROWN MR A (L)



FORTHCOMING FIELD TRIPS

July 24 – Cataby

August 13/14 – Kalbarri

August 20/21 – Perenjori

September 4 – Brookton

September 26/28 – Jerramungup

Field trips to burns of last summer in the Metropolitan area are to be advised.