



# Western Australian Native Orchid Study and Conservation Group

## August 2016 Bulletin



*Thelymitra pulcherrima*, Badgingarra area.  
Photo by T. Hodgkins.

### THE QUEEN

They call this orchid a 'jewel in the crown' of West Australian native orchids. And many members would agree with that.

The recent trip to the Cataby—Badgingarra areas was very well patronised indeed and people did not go home disappointed. Margaret Petridis picked a sunny day to see a sun orchid—how does she do it, when the day is nominated so many weeks in advance? She must have a magical touch.

Members are reminded to tread carefully and not touch flowers, nor do any 'gardening' around them - let us all ensure the orchids have the best possible chance to continue growing and bring joy to all of us for many years to come.

### INSIDE:

- Meeting Minutes
- Field Trip Reports
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- Tributes to the Queen
- And more

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General Meetings are held 7:30pm the 3rd Wednesday of the month, March through November, at the BGPA Boardroom, Kings Park

# WANOSCG General Meeting Minutes

## Wednesday, 20th of July 2016

Meeting held at: BGPA Boardroom, Kings Park

Meeting opened: 07:35 pm

### ATTENDANCE:

Visitors: Robert Codi, Christine Rychlicki

New and prospective new members were welcomed and introduced to Jon Warren.

Number of members present: 42

**APOLOGIES:** Peter and Debbie Proudfoot

**CIRCULATION OF REPORTS:** Attendance book, Treasurer's Report and conservation reports were circulated to the members.

**RAFFLE:** Prize donated by David and Janeanne Cumming.

### 1. PREVIOUS GENERAL MEETING MINUTES

*Amendments to the minutes of the 15 June 2016 General Meeting that appeared in the July bulletin:*

Second sentence of item 7.3 should read "It is understood that works have commenced without a Clearing Permit – we can mount protests individually but not act formally against the authority as a group."

Subject to the amendment mentioned, it was moved by Tom Burbidge and seconded by Ross Fox that the General Meeting Minutes of 20 June 2016, as published in the July 2016 bulletin, are a true and accurate record of that meeting. *Carried.*

### 2. BUSINESS ARISING FROM THE PREVIOUS MEETING

**2.1 Supper Roster for 2016:** Still require members to help with the Supper roster for August - November. The list was tabled and members asked to sign up. It was noted that members can be reimbursed for the cost, if necessary.

**2.2 Website of validated digital photos of all WA native orchids:** The image site is progressing well. (Gail Reed had sent through many images recently.)

- It was noted that only general location information should be included with each image, not detailed coordinates.
- Concern was expressed regarding the new image heading the home page, that some members might object to their personal photographs being published on a publicly accessible website. Noel Hoffman will email the photograph to Jay Steer who will send the question out to the members concerned. The committee will consider the issue at its next meeting.

**2.3 Upgrade of the current WANOSCG Website:**

- Nothing further has happened yet.
- It was acknowledged that it should be fairly simple to move the static part of the current website to the image site.

**2.4 Snail Trip book:** Ramon has asked Jay Steer to hand out books once people have paid the treasurer.

**2.5 Study groups:**

- Activity in the *Caladenia drummondii* group has quietened down, although some finished leaves and flowers had been noted in a reserve near Corrigin.
- The snail group has noted a new population of *Pterostylis timothyi* near Kojonup extending the range for that species. Andrew Brown has challenged the group to do a comparative study between *P timothyi* and *P parva*.

**2.6 WANOSCG conducting surveys for local governments:** Update from Jon Warren.

Jon has had meetings with eight local governments that agreed to cooperate resulting in the nomination of 14 areas. A few of the nominated areas had not yet been taken up for survey and, in this regard, interested members were invited to contact Jon after the meeting.



*Caladenia xantha*, Flynn. Photo by W. Gye



### 3. REGISTRAR'S REPORT—WANOSCG DATABASE

There are currently approximately 8,500 entries in the database with several sightings for each of the genera and each of the regions.

- Margaret Petridis has been submitting sightings from the field trips.
- Members are requested to continue submitting their sightings.

### 4. TREASURER'S REPORT

For the period 1 June 2016 to 31 July 2016:

	MTD	YTD
<b>Income (operating account)</b>	\$1,267.00	\$5,355.20
<b>Expenditure</b>	\$1,415.43	\$2,625.98

It was moved by Eddy Wajon and seconded by Urszula Kokosinska that the Treasurer's report for June 2016 be accepted as a true record of the club's finances. *Carried.*

### 5. CORRESPONDENCE 16 June to 20 July 2016

Electronic or hard copies of newsletters and bulletins have been received over the period from: Orchid Society of Western Australia Inc, ANOS Illawarra, ANOS Sydney, ANOS Macarthur, NOSSA. Correspondence covered a wide range of topics.

Date	Sender	Topic
15/7/16	CCWA	Environment Matters: WA's Groundwater Risk
14/7/16	Simone van Hattem	CCWA Member Group e-bulletin
13/7/16	Cameron Koorengel	Important Changes: Guidelines for Kings Park Admin Meeting Room
12/7/16	Eddy Wajon	Road verge clearing - Boxwood Hill-Ongerup Road
6/7/16	CCWA	CCWA - General Meeting Notice – Wed, 27 July 2016
5/7/16	Jon Warren	Cymbidium orchid show 27 and 28 August
5/7/16	Jon Warren	Speeding up the process of assessing Membership Applications
4/7/16	Urban bushland Council	Brixton Street Wednesday Walk & Talk on 13 July
1/7/16	Tony Watkinson	W.A. Orchid Spectacular Conference & Show 5th & 6th August 2017
1/7/16	Tim Hodgkins	Roadside slashing
1/7/16	From Mary Gray Urban bushland council and also from CCWA	Everyone needs to see this before Saturday (advocating a vote for Greens)
29/6/16	Tim Hodgkins	Bunbury outer ring road
26/6/16	CCWA	Spring Eco Fest is coming up on Sunday 23 October 2016
24/6/16	Nina Stick Eastern Metropolitan Regional Council	(EMRC) GREENPAGE NEWSLETTER June/July 2016
24/6/16	Tim Hodgkins	Dieback conference July 22nd
20/6/16	Simone van Hattem (CCWA)	Sandalwood Submissions Needed THIS WEEK!

#### Business arising from Correspondence:

- Anyone wishing to receive an electronic copy of the EMRC Greenpage Newsletter should request it from Jay Steer.
- It was noted that the updated rules for use of the Kings Park venue for meetings are mostly related to health and safety, including not blocking off exit doors with chairs and equipment and not moving the tables. In addition there are matters regarding locking the main door once the meeting is underway and individuals holding keys, issues that Jay Steer will clarify further.

### 6. FIELD TRIPS

6.1 The following group field trips were organised during the month since the last meeting:



*Pheladenia deformis (albino form).*

Photo by M. Karyagina

- 26 June Field trip to Cataby/Badgingarra areas identified several specimens of *Thelymitra apiculata*, early donkey orchids, snails and greenhoods.
- 17 July Noble Rd, NE of Arthur River  
This was a very varied habitat with flowering specimens identified of *Caladenia hiemalis*, *C reptans*, *C longiclavata*, two species of *Diuris*, two snail species, hare leaves and a flower past, plus seven other species. This location is believed to have potential for more orchids later in the season.

#### 6.2 Upcoming Field trips

- 24 July - Bullsbrook and Jurien areas (*Thelymitra pulcherrima*) – this group will be split into two with half starting in Jurien (led by Margaret Petridis(MP)) and the other half starting in Cataby (led by Kevin Uhe). Participants were asked to let MP know which group they wished to join.
- 20-21 August - Geraldton
- 17-18 September - Kojonup
- 24-26 September - Albany and Stirling Range
- There will possibly also be a trip to the burn near Yarloop in September and Kevin Uhe is organising another trip east of Kalgoorlie for “rufa” snails (camping with strictly limited numbers of cars), likely to start on 2 October.

#### 6.3 Personal Field Trips:

Members are requested to fill out the personal field trip report form on the front table to make the Secretary's job easier and send electronic Orchid Sighting sheets to the Registrar (Ramon Newmann [wanoscg.registrar@gmail.com](mailto:wanoscg.registrar@gmail.com) or [REDACTED]). If you don't have a copy of the report or sighting sheet then send an email to the Secretary (Pat Richards – [REDACTED]) and she will provide you with an electronic copy.

- Members reported having seen many species in leaf or in bud, including *Pyrorchis nigricans* and *Thelymitra benthamiana* and *T crinita*, various *Caladenia* leaves, *Diuris* and rabbit orchids.
- Flowering specimens of *Cyrtostylis huegelii*, *Pterostylis aspera*, *Caladenia longiclavata*, *C hiemalis*, other spiders, *Thelymitra pulcherrima*, *Diuris* species and many *P vittata* and *P sanguinea* were also reported.

### 7. CONSERVATION

#### 7.1 Tim Hodgkins (TH) tabled his reports and supplemental information, in summary:

- WANOSCG has been welcomed as new members of the Urban Bushland Council.
- Clearing notices lodged by local authorities are being monitored and further details of a roadside slashing incident in the Great Southern are being sought.
- Members with updated information on projects - Norwest Energy, Eneabba; BAJV Bauxite, Morangup/Avon Valley NP; Meelup Regional Reserve Mountain Bike Trail; and Warwick Bushland Hockey Stadium – are asked to contact TH as soon as possible.
- A leader is being sought to lead a field survey in mid to late August of this year of the area that would be affected by the proposed Bunbury Outer Ring Road, where there may be a population of *Thelymitra variegata* amongst other species that could be threatened. Interested members should contact TH. Comments are invited regarding the suggestion that a local group such as CLG, that also has permission to survey and relocate orchids under the supervision of MRD, should be supported by us.
- Written or verbal reports on most significant reserves have been submitted in the last two years, the most recent relating to the Hollywood Reserve, Nedlands.

#### 7.2 Eddy Wajon (EW) expanded on his previous report regarding the clearing of road verges on the Boxhill to Ongerup Road.

- He believes the amount of clearing is excessive and unnecessary and the nature of the treatment of the areas once cleared inappropriate. He also believes that any flora survey that was performed was completely superficial, at the wrong time of year and with inadequate time ahead of the works for meaningful appraisal.
- EW indicated that he personally proposes to forward a fully reasoned 4-page protest to the Department of



*Corybas recurvus*, Warren NP.  
Photo by C. Masters

Environment, and will forward a copy to TH for his information. In addition, EW also suggested that individual members might wish to protest with a shorter message. In this regard, it was agreed that, with EW's input, TH would draft two shorter submissions, one for forwarding by WANOSCG in support of EW's submission, and the other a brief submission for use by members who wished to lend their voices to the protest on an individual basis. TH undertook to copy his two drafts to Jay Steer for his review.

It was moved by Tim Hodgkins and seconded by Jeanette Wheatley that the conservation report as circulated in the meeting be accepted. *Carried.*

## 8. GROWER'S TABLE

Nothing tabled.

## 9. GENERAL BUSINESS

**9.1 New rules for associations and incorporated clubs:** Consideration of the implications of the new rules and the Group's adaptation response is ongoing.

**9.2 Tim Hodgkins indicated that he had begun receiving *The Orchid Review* magazine** noting that further renaming of orchids is happening and that the different states are not necessarily using the same name for a particular species. In some cases the names used have not been ratified. It is understood that the Royal Horticultural Society in London is reviewing the situation on an international basis.

### PRESENTATION:

Michael Macpherson presented on techniques designed to optimise native orchid photography.

**RAFFLE DRAW:** Michael Macpherson drew the raffle.

**MEETING CLOSED:** 10:03 pm

**NEXT MEETING:** 7:30 pm Wednesday 17 August 2016, BGPA Boardroom, Kings Park.



*Caladenia reptans*, Flynn. Photo by W. Gye.

### FIELD TRIP LIST

<b>AUGUST</b>	20TH/21ST	GERALDTON	Trip Leader: <u>Beth Teale</u>
<b>SEPTEMBER</b>	11TH	FORREST HIGHWAY BURN	Trip Leaders: <u>George &amp; Urszula Kokosinski</u>
<b>SEPTEMBER</b>	17TH-18TH	KOJONUP	Trip Leader: <u>Sue O'Halloran</u>
<b>SEPTEMBER</b>	24TH – 26TH	ALBANY & STIRLING RANGE	
<b>OCTOBER</b>	2ND - 8TH/9TH	EAST & NORTH KALGOORLIE	Trip leader: <u>Kevin Uhe</u>
This is a camping trip to Karonie, Hospital Rocks, Die Hardy Range. Contact <b>Kevin Uhe directly</b> by text <u>asap</u> on [REDACTED] or email at [REDACTED] if you are interested in the camping trip in early October.			
<b>OCTOBER</b>	15TH/16TH	BOYUP BROOK/RUABON	
Looking for Beard orchids ( <i>Calochilus</i> ) and Hammers ( <i>Drakaea</i> )			
<b>NOVEMBER</b>	5TH/6TH	ONGERUP	
Looking for Thelymitra sp. 'Ongerup'			

\*NB: details of meeting place and time will be sent to all registered attendees during the week before each trip.

\*\* Suggestions needed for date and location of break up trip. To be held in late November or early December. Please send ideas to FTC Margaret Petridis by text on [REDACTED].



## Conservation Officer Report to 2016 August General meeting

### Clearing Notices:

I am continuing to view the clearing notices weekly, but have not seen any this month that involve rare or threatened orchid species. Concerns about illegal clearing in the Great Southern are discussed below .

### Projects under watch:

- Norwest Energy, Eneabba
- BAJV Bauxite, Morangup/Avon Valley NP
- Meelup Regional Reserve – Mountain Bike Trail
- Warwick Bushland - Hockey Stadium construction now half completed
- Bunbury Outer ring road – awaits funding.

Members with updated information on these projects should contact me ASAP .

### Roadside clearing

Eddy Wajon has brought this issue to our attention after what appeared to be illegal clearing occurred in the Great Southern in the Shire of Jerramungup. Subsequently a Clearing Notice has been filed for this project on the Boxwood hill- Ongerup Road. It was open for comment until August 14th 2016.

We have agreed to support the efforts of Eddy by writing to the Shire about the matter and providing members with a draft letter that can be used to comment on the Clearing Notice. This letter has been sent on behalf of the Group to the DER.

### Helena & Aurora Range

The issue of potential mining in this area has been around for some time. It would alarm most Western Australians to know our Environment Minister has gone against the independent advice of the Environment Protection Agency (EPA). But unfortunately it appears Minister Jacob has done precisely this.

The Helena and Aurora Range is a pristine landscape; the “jewel in the crown” of our Great Western Woodlands. It is a spectacular banded-ironstone formation, a biodiversity hotspot, home to more than 75 bird species, to say nothing of many species of orchids and one of our State treasures.

As with the Roadside Clearing issue we will be preparing letters on behalf of our Group to go to the Minister and for members to use to send their local WA member.

### Reserves

Thanks to all who have reported on reserves in which we have a special interest. This need will be ongoing and I anticipate that in 2017/18 we will want to review all seven (7) reserves again.

### New Reserve to be named for our 40th

It may be time to re-visit this possibility so I will bring it back onto my agenda for discussion and consideration.

*Tim Hodgkins, Conservation Officer* (mobile:  )



L-R: *Caladenia exilis* subsp. *vanleeuwenii*, Moora and *Pterostylis* sp. 'short sepals', Greenwood. Photos by T. Hodgkins





### CATABY – JURIEN FIELD TRIP JULY 24

The field trip was split into two groups to cope with large numbers and to cater for those members who were able to travel up to the Jurien area the night before, and also for those doing a day trip starting in Cataby.

The northern group started at Jurien with Margaret Petridis and the southern group at Cataby under Kevin Uhe. It was planned to meet half way at lunchtime to discover what each group had found so the groups could cross over.

#### Cataby Group

An enthusiastic group met at the Cataby Roadhouse in bright sunlight, albeit with a rather chilly breeze, and then proceeded up the Brand Highway to an area where the *Thelymitra pulcherrima* had been seen in 2009. The group spread out and found a number of hare orchid leaves, cowslip leaves and flowering small banded greenhoods. Suddenly an excited shout over the two way from Pat Richards had the group heading in her direction but it was soon determined that the flower was in

fact *T apiculata* (Cleopatra's Needles).

As no plants of the target species had been located the group moved further up the highway to a location where there was a burnt area and a spot where the target orchid has been seen the day before by an eagle eyed Jeanette from a moving vehicle!!! The burnt area produced one small specimen of the target orchid in very tight bud. An exciting find was one lone specimen of a blue china (*Cyanicula*). Of interest is that although this has been placed into *Cyanicula gemmata* it is thought to be different with further studies to determine its exact status. Also seen were numerous leaves and buds of cowslip orchids (*Caladenia flava*) and both the small banded and northern greenhood.

At the top a small ridge the group were disappointed to see the first Queens in bud but Dave Lawson managed to find some beautiful specimens of the target orchid in full flower further down the area. Despite searching a wide area it appeared that the Queens were confined to a very small area. Also located in the same area were a number of Autumn leeks (*Prasophyllum parvifolium*) in various stages of flowering, the Robust snail (*Pterostylis dilatata*) and small banded greenhood (*Pterostylis* sp. 'small bands').

Contact with the Jurien group revealed that they had not found the target orchid so they then arranged to come down to our location instead of the two groups meeting in the middle. A keen eyed orchid hunter located one lone specimen of the blue fairy (*Pheladenia deformis*), as usual very close to the cars!!

One last stop was made at a spot Bob Steer wanted a group to survey given the large area involved. The group managed to locate a number of Cleopatra's Needles finishing off as well as some Northern Queens in tight bud. A number of greenhoods were also seen, together with some robust snails and one blue fairy.

**Kevin Uhe**

Top: *Thelymitra pulcherrima*,  
Right: *Cyanicula gemmata*  
Photos by I. Siljanoski



## Jurien Group

We had information from Jurien locals that the northern queen (*Thelymitra pulcherrima*) was flowering on private property east of the town but we were unable to take the group to see them there on the day. We searched several areas of similar and suitable habitat nearby, but failed to find any plants of the elusive queen.

We did find the Fringed leek (*Prasophyllum fimbria*), the Arrowsmith spider (*Caladenia crebra*) and banded greenhoods (*Pterostylis* sp. 'small bands') in flower and leaves of several other species.

As we headed to the agreed meeting place at lunch time, we had a phone call from the Cataby group to say they had found some plants in flower near Badgingarra. They urged us to hurry over, so we delayed lunch until we met the other group on the Brand Highway.

We enjoyed seeing the early flowering northern Queen of Sheba plants and an early blue china in flower that the other group had located.

## Margaret Petridis

### Queen of Sheba. *Thelymitra pulcherrima*.

We named Cayda. Margaret Petridis found her broken out of the ground by a kangaroo and rescued her. We carried her in the car for 2 days and she dutifully came out every day once it got warm and sunny...and closed at night. Many, many photos were taken of her as we experimented with our cameras (we both have exactly the same camera), before she was dutifully pressed and will be handed in to the Herbarium. We missed her once she was pressed. The photo below shows detail I had never noticed before. She was from the Badgingarra area.

## Lyn Alcock



*Thelymitra pulcherrima*.

Photos by I. Siljanoski (top left) and L. Alcock (above)



## To the Queen

*I was looking for the queen  
Across the burnt land and green  
It was the orchid rarely seen  
No matter how far you have been.*

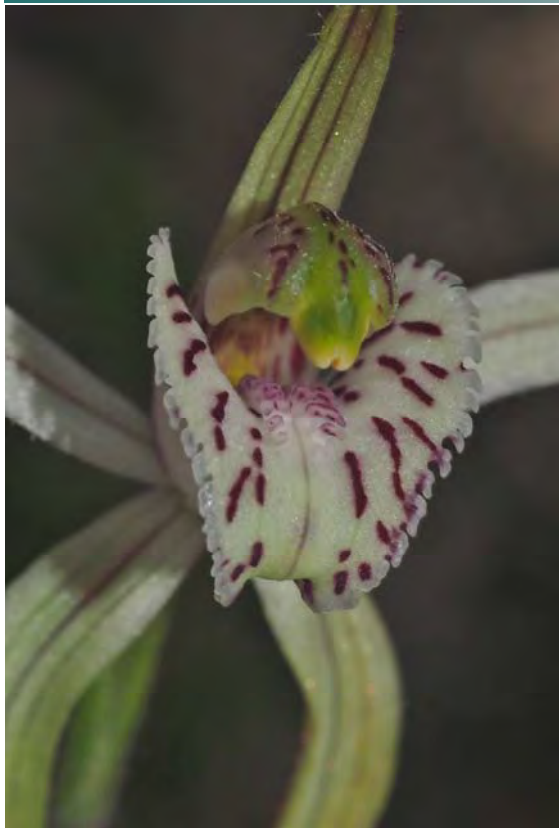
*We found Queen of Sheba on this very day  
Bathing in sun-rays in her special way  
I stood there in silence, it turned to a loud cheer  
My heart opened wide to the orchid dear.*

*For the queen, the orchid of the sun  
For its colours glory my search began  
For saluting to a beauty then hours passed by  
In divine moments, no one asks why.*

*Far away I travelled, everywhere I've been  
And was looking for the orchid I've never seen  
It was Queen of Sheba, the sun orchids' queen.*

## Ivana Siljanoski





### BEYOND JURIE

Following the WANOSCG field trip to Cataby and Jurien, Lyn and I headed north to Geraldton to stay with Beth Teale and go looking in local reserves for a couple of days.

On Monday we found the Kalbarri shell flowering near the coast and then visited a reserve near Eneabba where we saw blue fairies, donkeys, snails, shells, banded greenhoods and jugs in flower, on the way up, and arrived in Geraldton around 5pm.

On the Tuesday we headed north to the Yuna area and found lots of snails and blue fairies in flower, and spiders in bud near Nanson with the lucky find of a few spiders out...both *Caladenia footeana* and *Caladenia pluvialis* (Yuna spider). In a reserve near Yuna we found blue fairies, including white ones, the Dwarf Zebra (*Caladenia pachychila*) and pink fairies (*Caladenia reptans*). We also found a good population of *Caladenia drummondii*...finished flowers and leaves that will warrant an earlier visit next year.

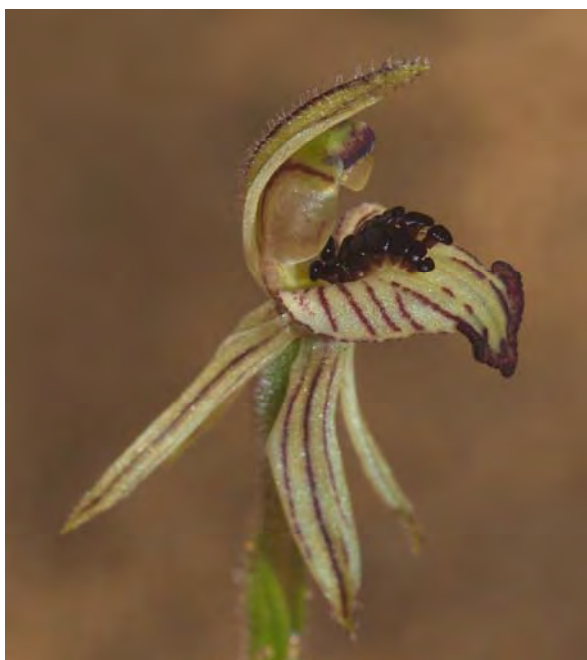
We visited a large burnt area on the Geraldton Mt Magnet road near Wicherina and found Red Beaks (*Pyrorchis nigricans*), *Caladenia* sps. and Leek orchids (*Prasophyllum*) in bud.

On the Wednesday we visited more reserves north of Geraldton and found a variety of donkey orchids, the Kalbarri cowslip (*Caladenia flava* subsp. *maculata*), greenhoods and snails (*Pterostylis platypetala*) in flower. We also found a nice group of the Noble spider (*Caladenia nobilis*) in flower.

On Thursday we headed south to Eneabba, finding similar species on the way. We drove along a track west of Eneabba and found hundreds of blue fairies, including 2 plants with double flowers. Some plants were very tall...250 – 300mm! We also found a confusing array of small red spiders, both *Caladenia footeana* and *C. occidentalis*, with possible intermediate forms.

On our way back to Perth last Friday we stopped in a burn near Eneabba and were delighted to find a large population of an early flowering, undescribed *Cyanicula*...blue china. That topped off an amazing week very nicely.

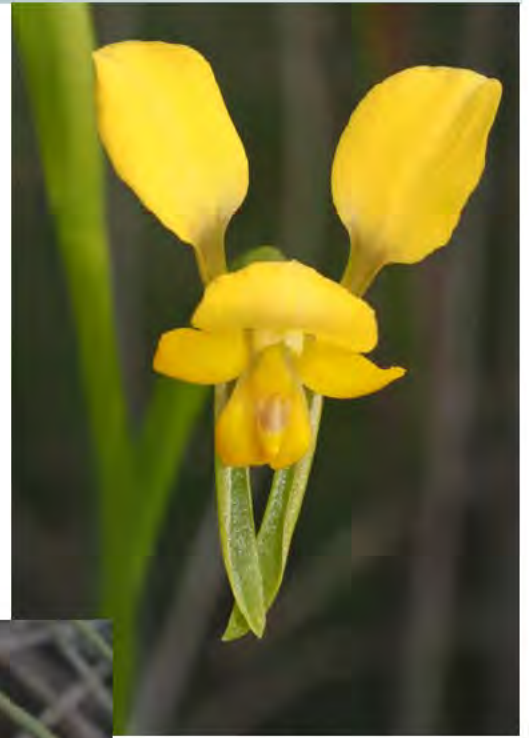
### Margaret Petridis



Top left: *Caladenia pluvialis*. Above L-R: *C. pachychila* and *C. occidentalis*. Photos by M. Petridis. More photos on the next page.



## PERSONAL FIELD TRIPS



Clws from above: *Diuris recurva* (lutea form), *D. tinkerii*, *Caladenia nobilis*, *Cyanicula* sp.  
Photos by M. Petridis.

### 2016 MEMBERSHIP FEES

Are now overdue.  
If you have not paid, your bulletin subscription will cease.

### WANOSCG Database Report: WA Region vs species sightings by Month \*

Region	Jan	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Goldfields				17			232	195		8		452
Great Southern		8	75	119	301	96	197	870	537	130	72	2405
Mid West				11	42	18	567	131	13	4		786
North West								4				4
Peel			35	23	6		12	90	29	3		198
Perth			6	52	14	49	171	360	112	29	5	798
South West	8	1	38	137	50	64	349	532	442	204	65	1890
Wheatbelt			27	238	234	244	444	566	215	9		1977
Grand Total	8	9	181	597	647	471	1972	2748	1348	387	142	8510

\* Members' reported sightings as at 10 July, 2016



SAD BUT TRUE

THERE ARE THESE ORCHIDS WHOSE FLOWERS LOOK LIKE FEMALE BEES. WHEN MALES TRY TO MATE WITH THEM, THEY TRANSFER POLLEN.



THIS ORCHID — *OPHYS APIFERA* — MAKES FLOWERS, BUT NO BEES LAND ON THEM BECAUSE THE BEE IT MIMICS WENT EXTINCT LONG AGO.



WITHOUT ITS PARTNER, THE ORCHID HAS RESORTED TO SELF-POLLINATING, A LAST-DITCH GENETIC STRATEGY THAT ONLY DELAYS THE INEVITABLE.

NOTHING OF THE BEE REMAINS, BUT WE KNOW IT EXISTED FROM THE SHAPE OF THE FLOWER.

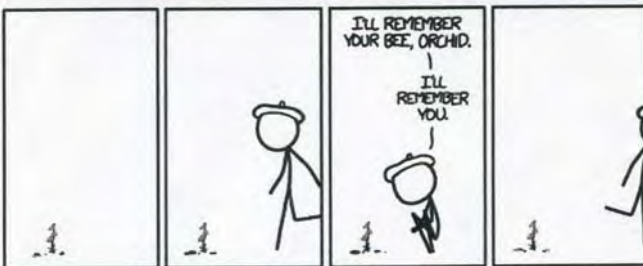
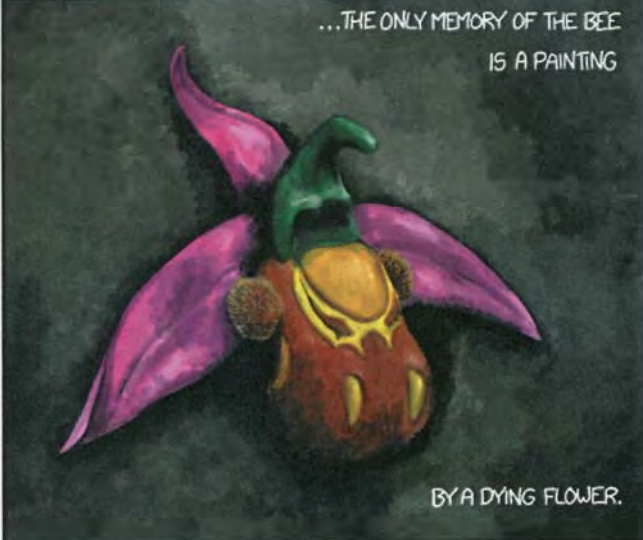


IT'S AN IDEA OF WHAT THE FEMALE BEE LOOKED LIKE TO THE MALE BEE...

...AS INTERPRETED BY A PLANT.



...THE ONLY MEMORY OF THE BEE IS A PAINTING BY A DYING FLOWER.



Thank you to Heather Adamson for sending through this cartoon. Loss of pollinators is just one of many threats that native orchids (and other plants) face.

**And the answer is....** In the July bulletin Andrew Brown penned an article about how difficult it is to identify species from photographs. He challenged members to identify a *Diuris* species from a close-up photo published with the article. Well, it was *Diuris hazeliae* (Yellow Granite donkey). Did you get that right?



DISTRIBUTION OF PHYTOPHTHORA DIEBACK IN THE SOUTH WEST OF WESTERN AUSTRALIA

Dieback map courtesy of the Dieback Working Group (check them out on [www.dwg.org.au](http://www.dwg.org.au) for more information about dieback and dieback prevention tips)

## DIEBACK PREVENTION

Dieback (*Phytophthora cinnamomi*) is one of the key threatening processes to Australian biodiversity. Whilst it is not known to attack native orchids directly, it results in loss of orchid habitat and potential loss of species.

Dieback lives in soil, water and plant material. It is very well adapted to Australian conditions as it produces different spores: a short-lived variety that favours moist conditions and a long-lived dormant spores that can survive in dry conditions and even after fire!

Human activity is primarily responsible for a spread of dieback —road building, mining, off-road driving, bushwalking and gardening.

In our passion to look for and photograph orchids, we need to make sure that we do not contribute to the spread of dieback.

Please follow dieback prevention hygiene (start clean and stay clean). Where possible, stick to tracks, avoid wet soil conditions. Use cleaning stations or you own brush to remove soil from your boots and other items. Use 70% metho to spray your boots after leaving each location and entering a new one.

Check the latest Field Trip Guidelines on wanoscg website.



## ATTENTION MEMBERS

The website [www.wanoscg.com](http://www.wanoscg.com) that Noel Hoffman put together for digital images of orchids now features a montage of photos of club members.

If you DO NOT wish to have your photo on the website, please let Jay Steer and/or Noel Hoffman know and your photo will be removed.



Please email any Bulletin contributions to Marina at [wanoscg.newsletter@gmail.com](mailto:wanoscg.newsletter@gmail.com)

**DEADLINE FOR NEXT ISSUE: 8th of September**



*Pheladenia deformis*, Watheroo. Photo by M. Karyagina

## Upcoming Field Trip List

Month	Date	Location
August	20-21	Geraldton
September	11	Forrest Hwy burn
September	17-18	Kojonup
September	24-26	Albany and Stirling Range
October	2-8/9	Camping trip to Karonie (see below - contact Kevin Uhe)
October	15-16	Boyup Brook/Ruabon
November	5-6	Ongerup

Please contact **Margaret Petridis, Field Trip Co-ordinator** for more info or to register

## Rufa trip to Karonie area October 2 to October 8, 2016

Due to the good rains this year it has been decided to run an extended camping trip to the Karonie and Menzies areas to look for a number of rufa species and other later flowering orchids.

The trip will be concentrating on a number of rufa that were not seen on the previous rufa trip and in particular two ones that only flower in the Karonie area.

Although we will be travelling into some remote areas the roads will be of reasonable standard and suitable for four wheel or all wheel drives.

This trip will be restricted to ten vehicles only so if you are interested please contact Kevin Uhe directly by text asap on [redacted] or email at [redacted]

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2016	ROSTERS		SPEAKERS 2016
	Raffle	Supper	
AUG	Tom Burbidge	Pat Richards	Kingsley Dixon, A life with orchids 'Snapshot on a career re-searching WA's orchid flora'
SEPT	David Lawson	Julie & Shannon Murphy	TBA
OCT	Bob Steer	Volunteers needed	Mark Brundrett, topic TBA
NOV	Marina Karyagina	Marina Karyagina	Photo competition, Members photos