

Western Australian Native Orchid Study and Conservation Group



November 2017 Bulletin

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NEXT GENERAL MEETING

(15 November 2017)
Photo competition
Orchid with bug

Management Committee:

Ramón Newmann – President
Kim Hanson – Vice-President
Jon Warren – Vice President
Jay Steer – Treasurer
Margaret Petridis – Field Trip Coordinator
Pat Richards – Secretary
Robert van Oosten – Committee
Ian Puddey – Committee
Marina Karyagina – Committee

OCTOGENARIAN NIGHT

Celebrating our Most Senior and Experienced Orchid Lovers

Our October general meeting in Perth honoured our octogenarian members acknowledging their continuing contribution to our group. We currently have nine octogenarian members (at least nine who own up to it) of whom six were able to attend the meeting. After the business section of the meeting our respected senior members present participated in a photo-shoot followed by the opportunity to get the first bite at the cakes provided in their honour.



Octogenarians above from left:

Noel Hoffman, Matz Dahlkamp, Noel Clarke, Ross Fox, Margaret Fox, Jack Eborall with (seated) WANOSCG President, Ramón Newmann (who still has one or two years to go)



Those who were unable to attend were not forgotten, however, and our congratulations and best wishes go to Gloria Jackson, Jean Long and Ginton Reed, who were unable to attend the celebration.

STOP PRESS!

We've been advised that we've done Noel Clarke (pictured left) a disservice. He's actually a **nonagenarian**. Extra special congrats, Noell



FIELD TRIPS

Tuesday, 14 November	Berry Reserve survey for the Cinnamon Sun orchid (<i>Thelymitra dedmaniarum</i>) with DBCA prior to proposed burning in the area. (Fully subscribed.)
Saturday and Sunday, 25 and 26 November	Final field trip for the year - Field trip to Pemberton/Northcliffe area based in Pemberton. Arrange own accommodation. Dinner on Saturday night at the Pemberton Sports Club (\$20 per head).

End-of-Year Break-up Functions

It has been suggested by members that we have two break-up functions this year, one in the Metro area and a field trip to the south.

- Ian Puddey has offered to host a Metro area break-up function at his home in Applecross and provide the savoury items. Attendees are requested to bring a dessert to share.
- We are also planning a weekend trip away on 25 and 26 November, looking to base ourselves in Pemberton this year. The celebration meal in the evening will be held at the Pemberton Sports Club which is also providing the catering at \$20 per head. Attendees should make their own accommodation arrangements in the Pemberton district.

Contact FTC Margaret Petridis by text on [REDACTED] if you would like to attend either or both of these functions.

FIELD TRIP REPORTS:

Mid-west

Goodale Sanctuary, 8 October 2017 – George Shevtsov

There was one specific task to be carried out as we gathered together at this special place south west of Pinjarra.

The habitat is dominated by casuarina, kunzea, banksia and jarrah growing on the Bassendean Dune System.

Our aim was to search for the Glossy-leaved Hammer orchid (*Drakaea elastica*) to help gather data for DBCA's Mark Brundrett's Rare Orchid Surveys in the Swan Valley. Within the Sanctuary Bob and Lynette Goodale led Mark and a small group of WANOSCG members straight to the known population. After searching areas where these orchids had been observed in the past within the property and on the adjacent Nine Mile Lake Nature Reserve, we ended up with a grand total of 181 leaves and 16 flowering plants. Most of these were found in the sanctuary (160) at the first location we were led to.

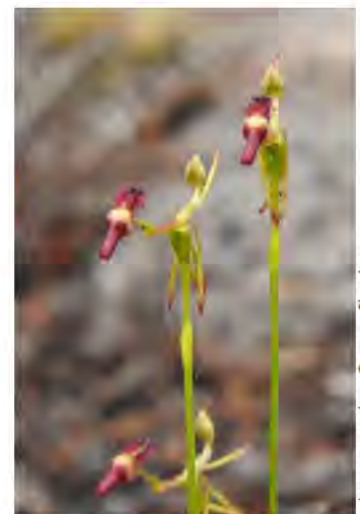


Image courtesy George Shevtsov

Glossy-leaved Hammer Orchid
(*Drakaea elastica*)



Images courtesy Georae Shevtsov

Images from left:

- Hort's Duck (*Paracaleana hortiorum*)
- White Fairy (*Caladenia marginata*)
- Warty Hammer (*Drakaea livida*)

On our search we were rewarded with sightings of other orchids among which were a lone white Cowslip orchid (*Caladenia flava*), the Warty Hammer (*Drakaea livida*), King-in-his-carriage (*Drakaea glyptodon*), Purple Pansy orchid (*Diuris longifolia*) and Hort's Duck orchid (*Paracaleana hortiorum*).

Kooljerranup and Austin Bay Nature Reserves, 14 October 2017 – Pat Richards

Upwards of a dozen members met up on a sunny Saturday morning at the Kooljerranup Nature Reserve south of Mandurah with the intention of conducting a survey for *Caladenia* and *Drakaea* species under the leadership of Graeme Walker.

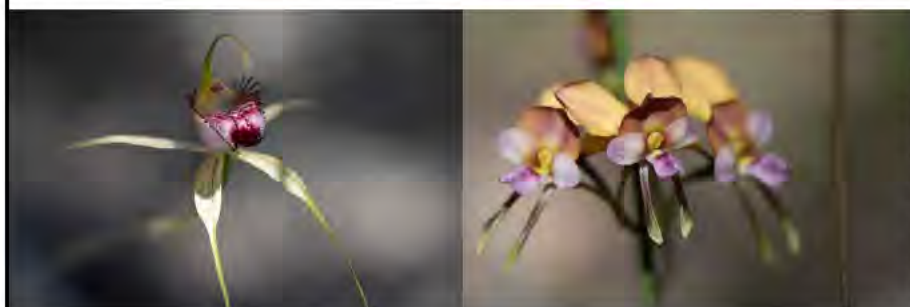
While waiting for the later arrivals, three mignonettes were spotted near the entrance to the reserve – White (*Microtis alba*), Scented (*M alboviridis*) and Common (*M media subsp media*). Then, as we had permission to drive into the reserve itself, we minimised the number of vehicles by having some people leave their cars at the muster point taking the spare seats in the remaining vehicles that proceeded into the reserve.

Within the reserve a huge variety of orchids awaited us, including some rarities. At the first spot we searched more or less systematically in line abreast in the hope of finding more occurrences of the Glossy-leaved Hammer (*Drakaea elastica*) for which there was a known location close by. No further locations were spotted but a couple of good examples of Grand Spiders (*Caladenia huegelii*) were noted. In addition there were several of the more common spiders, a number of different snails, blue suns, and many more. The cameras were clicking away frantically.

Next we moved on to a dry lake area following the roo trails through the thick scrub at the lake margin. In the clearer central area we came across, amongst others, Clubbed Snails (*Pterostylis glebosa*) and Swamp Spiders (*Caladenia paludosa*). (I heard afterwards that the roo trails had likely been the source of some unwelcome bitey ticks, although I personally was lucky enough to escape their attentions).

With lunch time pending, we returned to our cars and drove to a spot further north at the Austin Bay Reserve. Here, we saw, amongst other things, the Ray Spider (*Caladenia radiata*), the Laughing Leek (*Prasophyllum macrostachyum*), more snails – Tall (*Pterostylis pyramidalis*) and Limestone (*P angulata*) – Pink Enamels (*Elythranthera emarginata*) and Purple Enamel (*E brunonis*).

On checking Margaret's official list of orchids spotted on the day, I note that there was a total of 40 species. Clearly the season was at its height.



Images courtesy Pat Richards

Images from left:

- Swamp Spider (*Caladenia paludosa*)
- Purple Pansy orchid (*Diuris longifolia*)

South-west

ADORP - A day out hunting on the granites, 30 October 2017 – Kevin Uhe

Having previously assisted the ADORP Group (see Study Groups) searching for the Slender-leaved Duck orchid (*Paracaleana gracilicordata*), I was happy to answer a call from Bill Gaynor to help him and David Stevens search some large granite rocks on the following Monday.

After meeting at the appointed spot and checking maps we proceeded into the forest where we parked our vehicles. Bill and David had obviously done a lot of pre-planning with a collection of maps, plotting of various tracks and obtaining the necessary permits to travel into these areas which are in dieback areas and Water Corporation restricted areas.

We amalgamated into one vehicle and headed off on a rough track stopping adjacent to the target granite rock which was over a slight hill. After walking through timbered country we arrived at an impressive granite which Bill and David had partly surveyed the previous week.

We started searching and very soon the first little duck was found and as we scoured the rock a number of other populations were located, counted and recorded. These were previously recorded old records and it was pleasing to be able to re-locate these populations that were still in good numbers.

We trekked back to the car and headed south to find another rock that had not been searched previously. A glimpse of the granite through the trees proved we had arrived at the right spot and after walking through the bush we arrived at a large granite. Whilst it looked a likely spot we only found one Flying Duck (*Paracaleana nigrita*) together with many Elbow orchids (*Spiculaea ciliata*).

Retracing our steps we headed further south and then off on another track west looking for an old track to the north. This track was quite plain on Google, although not easy to find on the ground, but eagle-eyed David soon discovered it so off we set through a couple of creeks until an impressive massive rock appeared in the forest.

This was another unexplored rock and we started searching the moss beds until David located a group of ducks. This turned out to be quite a large population and was a significant find given it was a new location and, more importantly, an area which was well out of the way. Many of the granite moss beds on other rocks have been destroyed by vehicles and pigs removing the habitat that this taxon needs to survive.

We explored another big granite close by but, even though it looked very promising, it did not have any sign of ducks. We speculated why the ducks grew on one rock while not the one next door, but only they know the answer! Many granites have suitable habitat but it seems only a few have populations of these little ducks so many rocks are searched without any success and it is important to check them all.

Off again through the forest tracks we arrived at another granite which had a known population of the target ducks and found a very good population happily growing. A further search of the rock revealed another small group close by.

It was a great day exploring granites in areas that are normally not accessible to the general public and proved the value of the ADORP project in monitoring known populations, re-locating old sightings and providing the thrill of discovering a new population.

Special thanks to Bill and David for their thorough research and they are looking for two people to join their group for next season. If any members would like to join the ADORP project please contact Kevin Uhe.



Images courtesy Kevin Uhe

Images from left:

Slender-leaved Duck (*Paracaleana gracilicordata*)
Duck's mossy granite habitat

Perth Metropolitan

...and Talking of Habitat, 2 November 2017 – Tom Burbidge



Images courtesy Tom Burbidge

Common Mignonette
(*Microtis media* subsp. *media*)

This Common Mignonette orchid (*Microtis media* subsp. *media*) is pictured on the edge of a road in Leeming near our house. This would have to be one of the most unusual places to find such an orchid which seems to be found just about everywhere in the south-west. I have no idea if any other member has seen such an occurrence but I have never seen one in a habitat such as this.

South

***Thelymitra* sp 'Ongerup' – Surveys and extension of range, 6 November 2017 – Margaret Petridis**

On Monday, 6 November Kevin and I joined Terry Dunham and a friend in Ongerup to go out and search and survey for the Orange Sun orchid (*Thelymitra* sp. 'Ongerup'), a Priority 2 orchid.

This orchid is one of the Sienna sun orchids and has been found south of Ongerup and east of Jerramungup over the past few years. It flowers in November. The orchid has been found growing on flat and gently sloping sites amongst low shrubs in gravelly or quartz clay soils.

Terry had recently located a new population further east than previously known sites, so we headed there first and counted well over 100 plants, with many in good flower. We noted quite a variation in the colouring of the orchids over the site.

After that we explored down another road south of the highway and searched in a patch of similar habitat. We were delighted and excited to find another new population of 12 plants.

A check then of four known sites both east of Jerramungup and south of Ongerup found markedly reduced numbers of plants compared to last year.

It was a thrill to see this beautiful sun orchid in fresh flower and to add two new locations to the data collected on this species. Thanks go to Terry for all of the hours and kilometres he has done in searching for this orchid and in continuing to extend its range.

Images courtesy Margaret Petridis



Sienna Sun Orchid
(*Thelymitra* sp. 'Ongerup')





MEMBERSHIP CORNER

Our membership continues to grow slowly with 150 paid membership for 2017. These memberships represent 226 people plus 10 lifers and one patron. In 2016 we ended the year with 142 paid memberships covering 216 people plus 10 lifers and one patron.

Congratulations to the following people who, according to the club records, have achieved significant membership anniversaries as of the end of 2017:

10 years' membership

- Bill and Margie Gaynor
- Ray and Cynthia Grant
- Bill and Helen Kosky
- Peter McCauley
- Gary and Sue McDonald
- Wayne Merritt and Louise Little (family membership anniversary as both have been members for much longer)
- Ramon and Trish Newmann
- Jay Steer
- Anne Storie

20 years' membership

- Don Ward
- Judy Williams

30 years' membership

- Sarah Atkinson
- Chris and Marie French
- Jane Scott
- Gloria Jackson
- Christine and Tony Lock

40 years' membership

- Alison Harrington



ORCHID NEWS

Orchid Taxonomy

New Namings – Kevin Uhe

In the latest Australian Orchid Review David Jones and Chris French have published a paper naming six Western Australian taxa in the bird and banded greenhood complexes. These have been placed into genera currently not recognised by the WA Herbarium and will need to be formally placed in the *Pterostylis* genus in due course. In the meantime they will continue to be recognised under the current phrase names.

The new namings are as follows:

- *Plumatichilos longicornis* currently has the phrase name *Pterostylis* sp 'Muir's Highway' and has been named after the Latin "*longus*" and "*cornis*" meaning "long" and "horn" respectively. It relates to the long filamentous points on the sepals which resemble horns. This taxon is found in a small area around Muir's Highway from Perup to Rocky Gully growing in sandy soil in woodlands. A disjunct population occurs south of the Stirling Range. On a recent field trip near Lake Muir this taxon was flowering in good numbers along the highway.
- *Plumatichilos preclatorius* (phrase name *Pterostylis* sp 'Mehinup') has been named "*preclatorius*" from the Latin meaning "pray" or "entreat". It refers to the free points of the lateral sepals which are wide spread to horizontal. This taxon is found between Denmark and Broke Inlet growing in shallow soil pockets on and around granite outcrops.
- *Plumatichilos saxosus* (phrase name *Pterostylis* sp 'granite bird') is named after the Latin "*saxosus*" meaning "rocks" or "full of rocks" in relation to



Muir's Highway Bird Orchid
(*Pterostylis* sp 'Muir's Highway')

Image courtesy Kevin Uhe

the preferred habitat of this taxon on and around granite outcrops. This taxon is found between Albany and Shannon.

- *Plumatichilos serotinus* (phrase name *Pterostylis* sp 'The Knoll') is named after the Latin "serotinus" which means "late" in forming leaves or flowers and refers to its late flowering period. This taxon can be found from Dardanup to Augusta and east to Albany growing in woodlands in sand, laterite or occasionally around granite rocks. This taxon is late flowering and is usually in full bloom in November.
- *Plumatichilos sigmoideus* (phrase name *Pterostylis* sp 'Greenbushes') is named after the Latin "sigmoideus" which means "curved" or "S-shaped" in relation to the curve of the dorsal sepal. This taxon is found between Dardanup and Augusta and eastwards to the south of Manjimup growing in Jarrah or Jarrah/Marri forest in lateritic gravel and loam.
- *Urochilus arbusculus* currently does not have a phrase name as previously it has been included as a Mallee form of the Dark Banded Greenhood (*Pterostylis sanguinea*). This new taxon is shorter than *P sanguinea* with a smaller cauline leaves and flowers which are light-red brown and has now been recognised as a separate taxon. It is found east of Brookton to north of Merredin, south to Ravensthorpe and out to Toolinna Cove. It has been named after the Latin "arbusculus" which means "sapling" or "small tree" and refers to the preference of this species to growing in Mallee communities.

A similar sized plant, currently found near the Eyre Bird Observatory, but with pale green to creamy brown flowers has not been included in this species as further research is required to ascertain its taxonomic status.

WANOSCG Database Report

November 2017 – Ramón Newmann

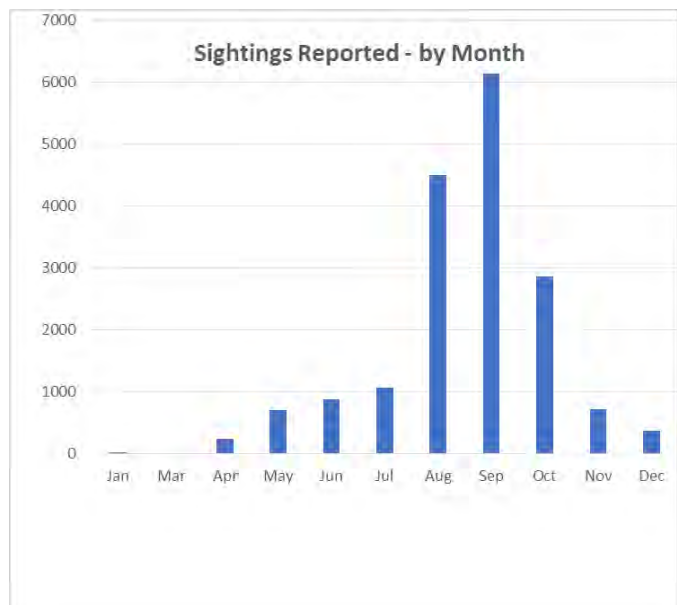
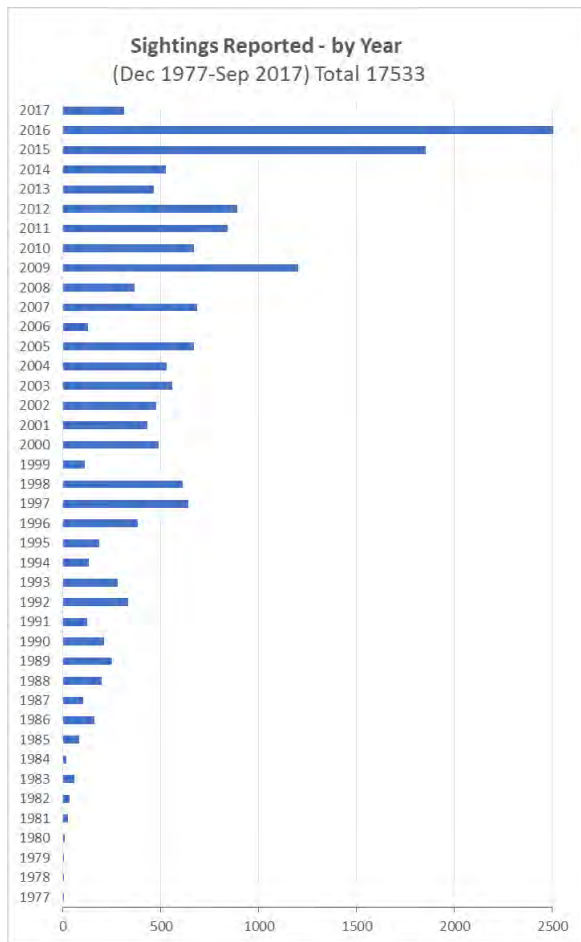
December 2017 will mark the 40th anniversary of the Group's Database first entry. In December 1977 Noel Clarke reported seeing between six and 20 Babe-in-a-cradle (*Epiblema grandiflorum*) flowers in a swamp on the South West Highway north of Walpole Road. That year was WANOSCG's 3rd anniversary, L Penny was the President and A Brown and J Long the Vice Presidents (from WANOSCG 2014 *Celebrating 40 Years*).

A big thank-you to Noel, a Life Member who has been with the Group for 40 years, attends the general meetings and is a recent nonagenarian.

In 1977 the first Apple II computers went on sale, with 4 KB of RAM and an audio cassette player as the interface for loading programs and data, Donald Mackay disappeared, the QLD government banned street marches and demonstrations and Cadel Evans was born.

The number of orchid sightings reported continues to grow each year, with a current total at 17,536 sightings. 2016 was a bumper year with over 2,500 entries, whilst 2017 has had a slow start with only over 300 entries submitted so far – however it is anticipated that in the 'off-season' all those trip reports will start to come in.

It is interesting to note that over the 40 years, just 14% of the entries have GPS readings, but this has jumped up to 70% for the 2016 entries – that's progress!



For the south-west of WA there have been no sightings for 22 orchid species and 13 Shires, with Peel having the lowest regional count of sightings with just 406 (Wheatbelt and Great Southern each have over 4,000 sightings). See the accompanying tables and charts for the details.

Nine sightings reports have been requested and provided to members this year. Their uses have ranged from Group and private orchid study outings through to conservation activities.

Can you please gather your data and send it in to me for inclusion in the Database?

Ideally using the 'standard' format spreadsheet as distributed (if you require it in an earlier version of Excel, .xls, please let me know), but if that does not work for you, then please still submit your data in whatever format you have.

Though we'd like data for all species and locations, please note that there are 22 species and 13 shires with no sightings to date, and I am sure that there have been more than 406 orchid sightings in Peel!

I would like to thank Ian Puddey and Peter Proudfoot for the invaluable help that they have provided over the years in converting non-standard data formats to the standard format and adding useful data against the species.

Species with NO Sightings to Sep 2017	Previous Name	Common Name	Species Distribution	Flowering Start	Flowering Finish
Diuris sp. Scaddan		Rock-loving donkey orchid	Scaddan to Hyden	1/07/17	1/09/17
Diuris sp. Williams		Little Williams donkey orchid	Williams area	1/08/17	1/09/17
Drakaea andrewsiae		Lost hammer orchid	Gnowangerup to Tunny	1/09/17	30/09/17
Microtis sp. Helms Arboretum		Esperance mignonette orchid	North of Esperance	1/10/17	15/11/17
Microtis sp. Windy Harbour		Late cupped mignonette orchid	Northcliffe to Windy Harbour	1/12/17	31/12/17
Prasophyllum paulinae		Pauline's laughing leek orchid	Albany	15/09/17	30/11/17
Prasophyllum sp. dwarf		Dwarf leek orchid	North of Stirling Ranges	1/09/17	15/10/17
Pterostylis elegantissima	P. sp. 'elegant'	Elegant rufous greenhood	Goomallin to Salmon Gums	1/10/17	30/11/17
Pterostylis hadra		Invisible Rufus Greenhood	Pootenup area	7/10/17	22/10/17
Pterostylis hopperii ms			Jackson Rocks SE Hyden	1/08/17	15/08/17
Pterostylis sp. chocolate		Chocolate flowered rufous greenhood	Karonie area	15/09/17	15/10/17
Pterostylis sp. dainty green		Dainty green rufous greenhood	Diemals Station to Norseman	1/09/17	31/10/17
Pterostylis sp. eastern		Balladonia rufous greenhood	Norseman to Balladonia	15/09/17	15/10/17
Pterostylis sp. Eyre	P. aff. sanguinea	Eyre rufous greenhood	Eyre to Twilight Cove	19/09/17	15/10/17
Pterostylis sp. green flowers		Green spoon-lipped rufous greenhood	Peak Charles to Hospital Rocks west of Menzies	1/09/17	31/10/17
Pterostylis sp. large fawn		Fawn rufous greenhood	Karonie area	15/09/17	31/10/17
Pterostylis sp. laterite			North of Southern Cross	30/09/17	31/10/17
Pterostylis sp. Mehinup		Mehinup bird orchid	Denmark to Walpole	31/08/17	30/09/17
Pterostylis sp. Walpole		Walpole snail orchid	Walpole area	15/07/17	1/09/17
Pterostylis telmata	P. sp. 'Cape Arid'	Eastern swamp snail orchid	Esperance to Israelite Bay	31/08/17	30/09/17
Rhizanthella johnstonii ms		South coast underground orchid	Munglinup area east of Ravensthorpe	1/06/17	31/07/17
Thelymitra sp. Denmark		Yellow sun orchid	Denmark area	15/10/17	15/11/17

Shires with NO Sightings	Region of Shire
Kalgoorlie-Boulder	Goldfields
Laverton	Goldfields
Leonora	Goldfields
Ngaanyatjarraku	Goldfields
Cue	Mid West
Meekatharra	Mid West
Mingenew	Mid West
Mount Magnet	Mid West
Murchison	Mid West
Sandstone	Mid West
Bencubbin	Wheatbelt
Kellerberrin	Wheatbelt
Tammin	Wheatbelt

Region Count	Region
4899	Wheatbelt
4081	Great Southern
3282	South West
1881	Mid West
1627	Perth
1334	Goldfields
406	Peel
6	North West
0	Kimberley
0	Gascoyne
0	Pilbara

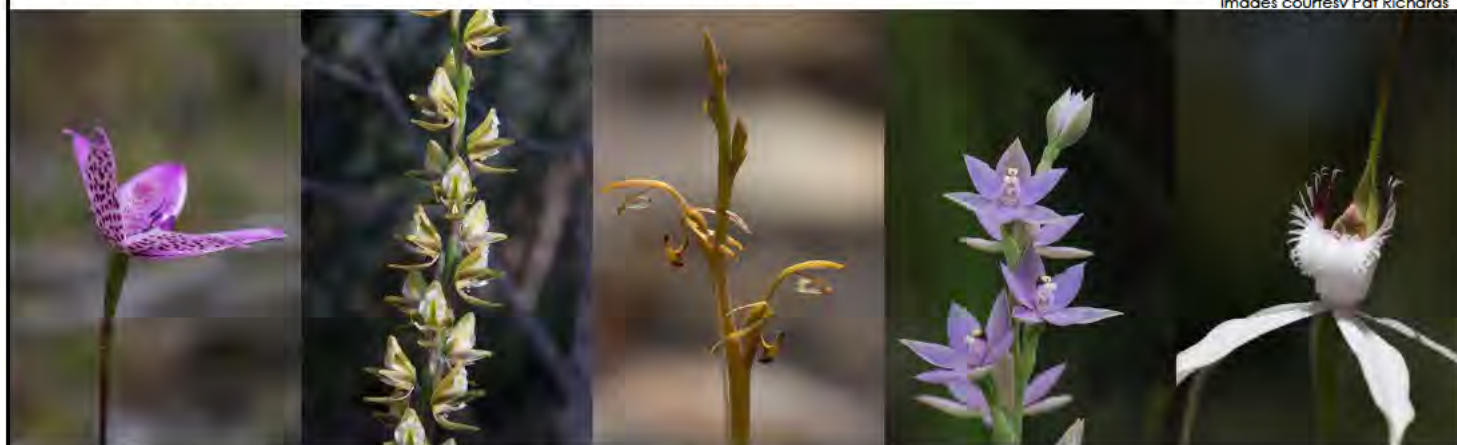
Ramón Newmann, Registrar

Email:

Images below from left:

Pink Enamel (*Elythranthera emarginata*), Tall Leek (*Prasophyllum elatum*), Elbow (*Spiculaea ciliata*), Scented Sun (*Thelymitra macrophylla*), White Spider (*Caladenia longicauda*)

Images courtesy Pat Richards



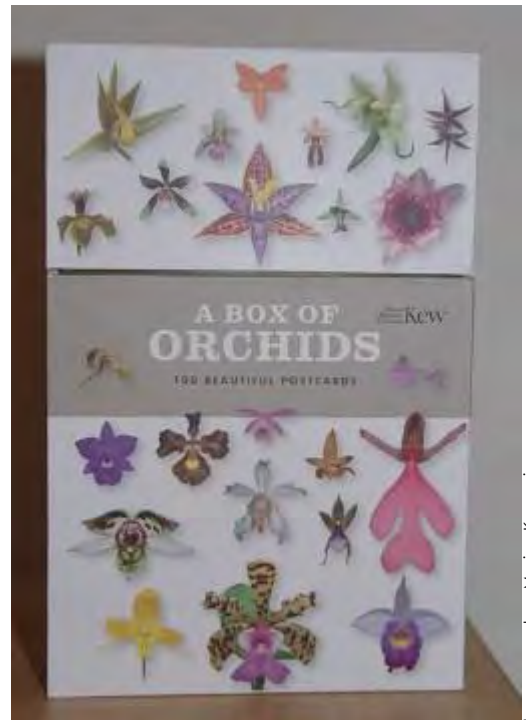
A Box of Orchids

November 2017 – Marina Karyagina

Many of my friends and co-workers know about my obsession with orchids. Recently, I received a 'Box of Orchids' as a present. It is a set of 100 postcards by the Royal Botanical Gardens at Kew that features orchids from all over the world. There are some incredibly beautiful as well as bizarre looking orchids in the set. For example, there is a Waxy Cone orchid which looks like a pink pineapple. Or a scorpion orchid, which I think looks more like a cooked lobster. Or this absolutely gorgeous yellow lady slipper orchid, the one I am hoping to see one day. However, I was mostly interested to see how many of the Western Australian orchids made it in.

The answer is six: *Thelymitra variegata*, *Rhizanthella gardneri* that you can see on the box itself. But also *Drakaea glyptodon*, *Caladenia longicauda* (I see the publishers did not dare to have a go at guessing the subspecies), *Pyrorchis forrestii* and a humble but beautiful *Pheladenia deformis*.

I turned the cards over to check the credits and was delighted to see that five out of six are by WANOSCG members – two by Jeremy Storey and three by Colin and Mischa Rowan. Congratulations to Jeremy, Colin and Misha – you are now worldwide orchid photographer celebrities! Hope the Kew Gardens sent you a 'Box of Orchids' to enjoy.



Images courtesy Marina Karyagina



CONSERVATION REPORT

Tim Hodgkins - Conservation Officer

Conservation Officer Report to November 2018 general meeting.

1. Clearing Notices

No current sites being followed up. Individual members are encouraged to make submissions on specific concerns. Eddy to report as required on roadside clearing broader issues.

2. Investigation of Expansion of Kemerton Buffer Zone

During the recent meeting with DBCA in Bunbury we discussed the area that is already set aside as nature reserve on the west side of the Zone. It was agreed that this NR covers all the orchid habitats known at present.

3. State Explosives Facility, McLarty

Also discussed this site with BDCA and were advised that the land east of the facility is State Forest and may have a mineral claim against it. Further investigation required.

4. Manea Park

Following is a summary of the meetings held in Bunbury on 25 October. Representing WANOSCG were Graeme Walker and myself.

(a) DFES biodiversity manager Greg Hamlyn met us in Manea Park. It was understood that DFES has the overriding responsibility for conservation and fire management in Manea Park because the land is still vested in the Department of LPH. The major agreement reached was to establish a Research Zone around the remaining population of the Queen of Sheba (*Thelymitra variegata*). Graeme agreed to provide GPS data to help map the area. This zone will be bounded by existing tracks, discreet as possible and total about 9 Ha. The zone will enable DFES to conduct burns appropriate to the flora in the area and accept advice from WANOSCG and other expert sources such as DBCA, Kings Park and Curtin University as to the frequency and timing. Several matters that required additional information were left with both parties with a plan to meet again on 24 November in Manjimup prior to the WANOSCG field trip and break up function.



Image courtesy Marina Karvaidina

Queen of Sheba (*Thelymitra variegata*)

- (b) DBCA officer Andrew Webb met with us and we discussed the outcomes of the above meeting. We agreed that two matters need to be pursued, the naming of *T variegata* as rare flora and the inclusion of Manea into the Bunbury Regional Park. This would provide DBCA with control over the area with a greater focus on conservation particularly of rare and threatened species.
- (c) City of Bunbury Parks officer Colin Spencer was also briefed on the meeting outcomes. The city has been involved in fencing and signage of the site and also mapping services for DFES activity within the Park. Colin agreed to assist with the mapping of the proposed Research Zone. The City are willing to provide discreet track markers to define the Zone.

After the meetings Graeme and I were satisfied that we had made progress in the battle to conserve the iconic species *T variegata*, but we needed to follow through with the Manea Friends group and the new project headed by Kingsley Dixon of Curtin University targeting the development and refinement of ex situ conservation of the Queen of Sheba orchid complex. Kingsley had been in touch with Graeme about seed harvest at Manea. We may be able to help expand the project to include in-situ efforts to increase the population as it now stands at critically low numbers.

I contacted Kingsley about possible WANOSCG involvement in the project and received a positive response although Kingsley was headed overseas for some weeks and a meeting may have to wait until early 2018.

The action regarding Manea Park is ongoing. After the November meeting with DFES we should have the Research Zone mapped and agreed. After that we will need to look at potential orchid survey/s in 2018 to provide up to date information on populations of *T variegata* and other species, and then specific advice regarding future burns in the area.

There is no doubt that this park is worth a big conservation effort from an orchid point of view. From this one visit in October I was very impressed with the number and condition of orchids seen along the tracks through the park.

Flynn Drive Orchid Rescue 2016-2017

Interim Report – Tim Hodgkins

During the middle of 2016 it was reported to the Club by member Phil Hill that the bushland area opposite the Wanneroo Golf Club, rich in orchids, would soon be cleared for road widening.



Shirt or Bell Orchid (*Thelymitra campanulata*)

A subsequent inspection showed that this area (approximately 500m x 50m) had several species of orchids including the Shirt or Bell orchid (*Thelymitra campanulata*). It was noted that this *Thelymitra* species was fast disappearing from the metro area due to loss of habitat, particularly banksia woodland. It appeared that approximately 40 plants would be available for rescue from the area. It was also noted that an adjacent Bush Forever Site (to the west) also had this species. It occurs under Sheoak trees in deep leaf litter often within sedge grasses.

After consultation with Dr Mark Brundrett the club agreed to participate in an orchid rescue and planned that plants would be removed and relocated into Nature Reserves and protected bushland in the Cities of Wanneroo and Joondalup. Permissions would need to be sought from the developer of Banksia Grove and the Cities mentioned.

During the flowering period plants were marked and some artificially pollinated to ensure there was seed set.

By September 2016 the permissions were granted and at the end of the month after the flowering period some 25 orchids and 3 seed pods were removed and placed into storage.

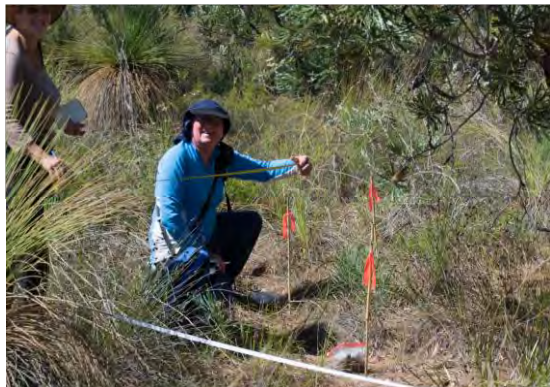
In February 2017 Club members planted the retrieved tubers into Warwick Bushland (City of Joondalup) and Marangaroo NR (City of Wanneroo). In both cases transects were established and locations recorded by GPS. Seed was also spread along the transects.

During the spring of 2017 it was noted that 3 plants in Warwick and 2 in Marangaroo had flowered. There was no evidence that seeds had struck at this stage - overall success rate about 25%.



Retrieval of tubers 2016

In the Spring of 2017 a further effort was made to remove plants from Flynn Drive and the remaining 12 were retrieved, this time into small pots instead of ziplock bags. It was agreed to replant these tubers into Highview Park, Alexander Heights and Dianella NR. Permission had been granted by City of Stirling for the latter. The re-planting was completed within a few days of the retrieval ensuring that there was no loss of moisture in the soil/leaf litter surrounding the tubers



Transplant to Marangaroo NR 2017

It is hoped that the latter method will result in a higher success rate and provide evidence for future rescues.

Thanks to all WANOSCG members who participated in the process, the Housing Authority Banksia Grove Management and Cities of Joondalup, Wanneroo and Stirling for their cooperation.

Tim Hodgkins – WANOSCG Conservation Officer,
30 October 2017.



STUDY GROUPS

Burn Study Group

Kevin Uhe

During the 2017 orchid season the focus of the group has been on the effects of a number of controlled burns on the orchid populations. This has provided some interesting results, especially in the timing of these burns.

Last year a late Autumn burn along the Muir Highway produced a good range of orchids over the burnt area. A very early November burn in 2016 in the area immediately adjacent to this area has seen a very poor flowering of orchids during the 2017 season.

Late Autumn burns this year at Julimar and along the Brookton Highway have produced impressive displays of white, yellow and blue china orchids but have failed to stimulate other fire stimulated orchids such as red beaks and leek orchids.

One area that has been the subject of close attention over the season has been the controlled burns around the Walpole area. These areas were burnt in late spring and very early summer and have resulted in a reasonable range of orchids with a number of

fire enhanced orchids flowering in good numbers.

Once again, the fire stimulated orchids have responded very poorly with only a small number of red and pink beaks, pink bunnies and leek orchids in flower.

However, there have been a few surprises with a very large number of the undescribed *Prasophyllum* sp 'south coast' in flower at the North Walpole swamp burn and the flowering of the undescribed sun orchid, *Thelymitra* sp 'southern granites' at a burnt granite north of Walpole.

With a large number of spring fires being undertaken currently it will be interesting to see how the orchids respond in the 2018 season. However, it appears that the fire stimulated orchids require hot summer fires to flower in profusion.

Many thanks go to members who have provided information on fire areas with special thanks to Maggie, Tanya, June and Lyn for their tireless work on monitoring the Walpole burns.



Thelymitra sp 'southern granites'

Image courtesy Kevin Uhe



Prasophyllum sp 'south coast'

Image courtesy Kevin Uhe





Images courtesy Pat Richards

Varying morphological features in the Snail orchid complex

Adopt an Orchid Project (ADORP)

Kevin Uhe

With the orchid season drawing to a close, it is timely to thank all the groups that have spent many hours monitoring their adopted orchid over the 2017 season. It is pleasing to report that some new populations have been located and that some old sighting records have been verified.

The work of the various groups has proved of an enormous value to the Parks and Wildlife Service Branch of the Department of Biodiversity, Conservation and Attractions. Not only does it provide valuable data on the state of the various populations, including numbers of flowering plants, seed set and threats, but it also assists to determine the conservation status of the orchids involved.

Thanks to Jeremy Storey who has decided not to continue in the ADORP project after many years. His work has enabled valuable information to be gathered on the two orchid taxa he has been monitoring together with John Hills.

A new ADORP group has been formed under the leadership of Rob van Oosten to monitor *Thelymitra dedmaniarum* which is very rare and critically endangered. It is hoped that other plants can be located as part of this study.

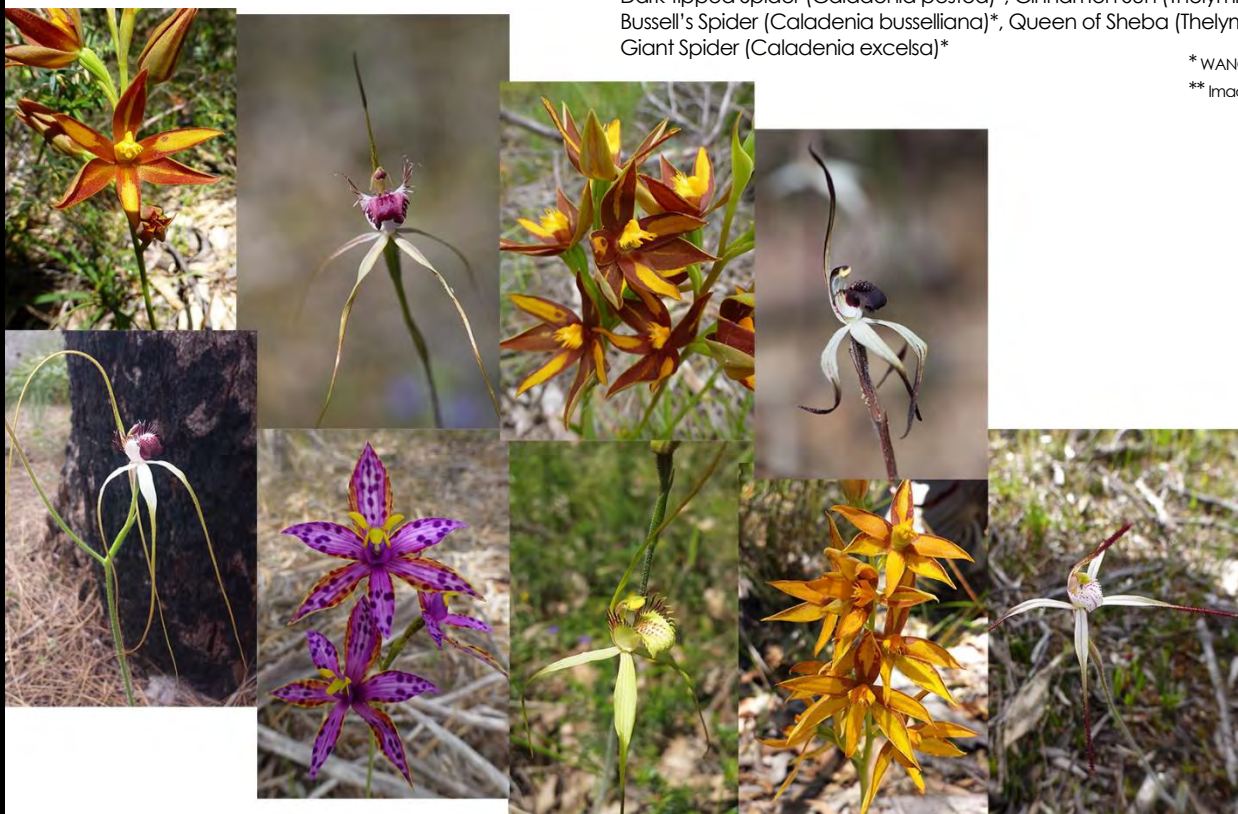
If any member/s would like to join the ADORP project either to assist some of the current groups or to take on their own orchid taxon in 2018 please contact Kevin Uhe at email [\[redacted\]](#)

Orchids below clockwise from top left:

York Sun (*Thelymitra yorkensis*)*, Grand Spider (*Caladenia huegelii*)**,
 Crystal Brook Star (*Thelymitra magnifica*)*, Winter Spider (*Caladenia drummondii*)**,
 Dark-tipped Spider (*Caladenia postea*)*, Cinnamon Sun (*Thelymitra dedmaniarum*)*,
 Bussell's Spider (*Caladenia busselliana*)*, Queen of Sheba (*Thelymitra variegata*)*,
 Giant Spider (*Caladenia excelsa*)*

* WANOSCG file image

** Images courtesy Pat Richards





General Meeting Minutes

Wednesday, 18 October 2017

Meeting held at: BGPA Boardroom, Kings Park
Meeting opened: 7:30 pm

ATTENDANCE: Visitors: 2 Number of members present: 39
Welcome to visitors, Malcolm and Erin Roberts.

APOLOGIES: George Kokosinski, Ursula Kokosinska, Mary Hoffman, Cheryl Gee, Bill Gaynor

CIRCULATION OF REPORTS: The Attendance Book and copies of the Treasurer's report as at September 2017 and amended report as at August 2017 were circulated to the members.

RAFFLE: Prize donated by David and Janeanne Cumming

1. PREVIOUS MINUTES

Members asked if they have any amendments to the minutes of 20 September 2017 General Meeting that appeared in the October Bulletin.

Moved by Kevin Uhe and seconded by Geoff Foley that the General Meeting Minutes of 20 September 2017, as published in the October Bulletin 2017 bulletin are a true and accurate record of that meeting.
Carried

2. BUSINESS ARISING FROM THE PREVIOUS MEETING

See Section 6 Conservation.

3. TREASURER'S REPORT

It was noted that the Group's officers for 2017 now have control of and access to its bank accounts.

For the period August 2017 as amended and taking account of interest:

	August 2017	1-Feb-17 to 31-Aug-17
Income (operating account)	\$ 30.89	\$ 5,158.09
Expenditure	0.00	932.30

Moved by Margaret Petridis and seconded by Ross Fox that the Treasurer's report for August 2017 as amended be accepted as a true record of the club's finances.
Carried

For the period September 2017:

	September 2017	1-Feb-17 to 30-Sep-17
Income (operating account)	\$ 475.00	\$ 5,633.09
Expenditure	74.10	1,006.40

Moved by John Ewing and seconded by Donna Wajon that the Treasurer's report for September 2017 be accepted as a true record of the club's finances.
Carried

- Our term deposits have become due for renewal and our treasurer is looking at whether we can get more interest with the Bankwest account by withdrawing and setting up a different account. The Police & Nurses account has been rolled over.

4. CORRESPONDENCE 17 August 2017 to 19 September 2017

Electronic or hard copies of Newsletters and Bulletins have been received over the period from: ANOS Sydney, ANOS Illawarra, Invasive Species Council, OSWA, CCWA, NOSSA. Correspondence covered a range of topics.

Inward emails to the WANOSCG Web site and members of the committee:

Date	Sender	Topic
21-Sep-17	Robin Campbell	Recent visit to Corrigin by WANOSCG members
22-Sep-17	Pat Richards response to Robin Campbell on behalf of WANOSCG	Thanking her for her help and contribution and forwarding her a complimentary copy of the September Bulletin
21-Sep-17	Len Carrigan	Cc of his email to Kingsley Dixon relating to info on the Queen of Sheba complex
22-Sep-17	Su Hayman of Albany	Insects on Orchids, photos of — asking for further information on photo competition
26-Sep-17	Roger Spodniewski	Native Orchids of Western Australia "Native orchid seeds/spores"
26-Sep-17	Australian Orchid Council Conference & Show	Orchids in the Foothills
27-Sep-17	Urszula Kokosinska	Requesting finding of <i>Caladenia</i> sp 'Island Point' info be passed on to Eric Swarts (forwarded as requested)
9-Oct-17	Tim Hodgkins to DFES	Response for DFES website enquiry GE-009412
9-Oct-17	DFES to Tim Hodgkins	Response for DFES website enquiry GE-009412
9-Oct-17	Tim Hodgkins to Bunbury Council	Manea Park
9-Oct-17	Heather Adamson	Mawson Road, Beverley
9-Oct-17	Tim Hodgkins to Heather Adamson	Mawson Road Beverley
9-Oct-17	Sheryl Lawson – ANOS	Wild Orchid Watch and ID keys
9-Oct-17	Ramón Newmann to Sheryl Lawson	Response re Wild Orchid Watch and ID keys
13-Oct-17	ANOS Sydney Group	32 nd Sarcotinae Native Orchid Show 2017
14-Oct-17	Eddy Wajon to Heather Adamson	Mawson Road Beverley, seeking further information.

Business arising from Correspondence:

- Tim Hodgkins continuing to follow up on Manea Park issue in Bunbury.
- Tim Hodgkins and Eddy Wajon following up on clearing at Mawson Road, Beverley.
- We have had some discussions with ANOS in relation to development of keys for orchids in all of Australia and may have input to the matter depending on the applicability to Western Australian orchids. We are now waiting for more information from ANOS and elsewhere. Separately from that, we are looking at developing a key specifically for Western Australia.

5. FIELD TRIPS

An outline for field trips in 2017 was published in the October 2017 Bulletin.

Upcoming Field trips

- Tuesday, 14 November: Survey for Cinnamon Sun orchid (*Thelymitra dedmaniarum*) at Berry Reserve, Gidgegannup, with DBCA (formerly DPaW) – Field Trip Leader Cathy Bourke (DBCA officer). Note that numbers for this survey will be limited to six or seven WANOSCG members with a good level of fitness to manage distance walking. The quota for participants in this exercise is now full and Margaret Petridis will send out the arrangements nearer the time.
- We are planning two end-of-year get-togethers, one in the metropolitan area and one away:
 - Ian Puddey has offered to host the one in the metropolitan area and it was agreed that the afternoon/evening of Saturday, 18 November, would be the date of this function. Ian and wife, Peggy, will supply food and members attending are asked to bring a dessert to share. The function will be timed to begin in the late afternoon ahead of a 6:00 pm barbecue. Confirmation details will be issued nearer the time.
 - We are also planning a weekend trip away on 25 and 26 November, looking to base ourselves in Pemberton this year.
 - The local sports club appears to have a most suitable venue and members agreed to accept the sports club's offer to provide catering at \$20 a head rather than self-cater. This trip is in early planning stages at present and we will inform members of further details once we have more definite information. Those who wish to attend should contact Margaret Petridis on [REDACTED].
 - Members will be expected to book their own accommodation. The Pemberton Visitors Centre may be able to make suggestions.
 - It is intended to undertake a field trip close to Pemberton on the Saturday morning to take account of people leaving to travel there on the Saturday. On the Sunday, there will be a field trip until lunch time and suggestions as to venue are invited.

Recent Field Trips

- At the Goodale Sanctuary on 8 October, the survey identified some 200 plants of the Glossy-leafed Hammer orchid (*Drakaea elastica*).
- On 14 October, a trip to the Kooljerranup reserve and Austin Bay south of Mandurah resulted in the sighting of over 30 different species in flower.
 - DBCA has an allocation of some funds to survey the area.
 - Approximately 150 sightings of the Grand Spider orchid (*Caladenia huegelii*) have been noted there, along with the Glossy-leafed Hammer orchid (*Drakaea elastica*) and some Island Point Spiders (*Caladenia swartziorum*). An unusual find for the location was the Forest Mantis orchid (*Caladenia attingens* subsp *attingens*).

Personal Field Trips: (Please use common names and full names where known)

Members are requested to fill out the personal field trip report form on the front table and send electronic Orchid Sighting sheets to the Registrar (Ramon Newmann [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.

Personal trips reported to the meeting were as follows:

- Jack Eborall had revisited Lake Kogolup to check and measure small-flowered *Diuris* accompanied by John Ewing and Alison. It had finished flowering and, disappointingly, was seen to have set very few seed pods. A similar thing was observed with the Pink Fairy (*Caladenia latifolia*) – very few appeared to have been pollinated – a pollination problem, perhaps. Also seen was a nice group of Purple Pansy (*Diuris longifolia*) that had not been seen there before.

- Cheryl and Peter Gee had visited the Pemberton area:
 - Their finds included several Cowslip orchids (*Caladenia flava* subsp *sylvestris*) and many Twisted Suns (*Thelymitra flexuosa*).
 - In Northcliffe they had found a pink *Thelymitra* and a *Drakaea* species. In the flat swamp area between Northcliffe and Windy Harbour they saw leaves of the Queen of Sheba (*Thelymitra variegata* or *spiralis*), all of which had set seeds.
 - At Goblin Swamp near the Snottygobble carpark they saw a leek orchid one metre high on the road verge as well as the Fringe Leek (*Prasophyllum fimbria*) and King Leek (*P regium*).
- Justin Brown had been in the vicinity of Walpole where he had found Helmet orchids, lots of Twisted Sun orchids (*Thelymitra flexuosa*), Western Azure Sun orchids (*T occidentalis*) and Custard orchids (*T villosa*).
- Noel Hoffman had a report about Beard orchids found at Stirling Range National Park. He found two or three plants but did not know which one but likely either the Wandoo Beard orchid (*Calochilus stramenicola*) or another, although it wasn't in wandoo country.
- Eddy and Donna Wajon reported sightings as follows:
 - Mondurup View:
 - *Caladenia integra* (12), *C longicauda* subsp *eminens*, *C polychroma*, *C straminichila*, *C barbarossa*, *C cairnsiana*, *C filifera* (2), *C latifolia*, *C flava*, *C discoidea* (17), *Diuris decremента*, *D jonesii* (7), *Elythranthera brunonis*, *E emarginata* (40)
 - Rocky Gully:
 - *Caladenia brownii*, *C flava* subsp *sylvestris*, *C latifolia*, *C macrostylis*, *C magniclavata* (5), *C nana* subsp *nana*, *Cyanicula sericea*, *C gemmata*, *Drakaea glyptodon*, *Elythranthera brunonis*, *Eriochilus scaber*, *Praecoxanthus aphyllus*, *Prasophyllum elatum*, *P fimbria*, *Pterostylis* sp 'crinkled leaf', *P* sp 'long sepals', *P* sp 'Muir Highway', *P* sp 'skinny', *P turfosa*, *Pyrorchis nigricans*, *Paracaleana nigrita*, *Thelymitra benthamiana*, *T flexuosa*, *T graminea*, *T macrophylla*
 - McCann's Rock, Hyden
 - *Caladenia graniticola*.

6. CONSERVATION

Moved by Tim Hodgkins and seconded by Geoff Foley that the Conservation report as published in the October Bulletin be accepted. Carried

Additional issues:

- Of the remaining population of the Queen of Sheba orchid (*Thelymitra variegata*) in Manea Park, Bunbury, only nine plants were noted in flower this year and of those, only one was seen as having been pollinated. It is understood that Kingsley Dixon is supporting a concerted effort to harvest seed. Tim Hodgkins has a meeting with DFES next week in relation to the burnings that have impacted this population in the hope that management of the land can be resolved.
- In Tim Hodgkins's absence, some people have been tagging shirt orchids for removal at Flynn Drive. It was noted that there were only about five flowering from last year's transplants, so there is a need to look for better ways to manage these.
- There have been some successes in relation to clearing notices, including at Peaceful Bay Road in the Shire of Manjimup. Anyone with knowledge of orchids on verges is asked to pass them to Tim Hodgkins.
- Work has commenced on the installation of bollards to protect Yilliminning Rock.
- As regards clearing permits Eddy Wajon reported that two applications had been denied, one for the cutting of timber for firewood.
- It was noted that in some cases people had stopped complaining about unlawful clearing because nothing was done about it. Worse, some complainants in the local areas had been

subjected to intimidation. In such cases need was seen for outside parties to intervene with the complaints.

- There is a proposal for the widening of Middleton Road in Manjimup. Anyone with local knowledge of what orchids are on that road is requested to let Eddy Wajon or Tim Hodgkins know. (It was indicated that there were some *Drakaea* species as well as Potato orchids (*Gastrodia lacista*.)
- Eddy Wajon will be attending a meeting with the Department of the Premier and Cabinet about development in the Peel region and the potential clearing of "Bush Forever" sites.

7. GROWER'S TABLE

Nothing was tabled.

8. GENERAL BUSINESS

- 8.1 *Photo competition* – Members are reminded that the photo competition takes place at the November meeting. Entries (limited to one per person) are to be printed 8 inches x 6 inches with the entrant's name on the back. These are to be handed on arrival at the meeting to impartial adjudicators who will lay out the entries in no particular order on the table ahead of members assigning their votes. Members who cannot attend the meeting but who wish to submit an entry should forward their printed entry to the WANOSCG PO Box to be received by Friday, 10 November, to ensure that their entry is included in the competition.
- 8.2 *WANOSCG Award* – Nominations should be forwarded to Ramón Newmann to be received by the end of January.
- 8.3 *Submissions for grant* – There will be a pilot project whereby \$5,000 will be made available for a suitable project nominated by a member of WANOSCG. Expressions of interest will be narrowed down to approximately 5. An email will go out to members detailing the process. If this pilot works, then similar grants may be awarded in the future.
- 8.4 *ADORP* – There has been a bit of a hiccup with ADORP over the past year. Kevin Uhe has been asked to help Kim Hanson with the management of this project. ADORP participants are being asked to direct their reports to Kevin. Andrew Brown is setting up a meeting in November with his successor (Jessica) at DBCA to perform a comprehensive hand-over.
- 8.5 *Lucid Key* – This is a key for the identification of orchid species. There is a possible national key in train for development, however, we are also considering developing one specifically for Western Australia. Andrew Brown will help with this along with a small group of members. More information on this will be forthcoming shortly.

PRESENTATION: Margaret Fox, who recently became an octogenarian, gave a brief summary of how she and Ross became interested in orchids. David Lawson gave a presentation on his introduction to orchids as child and his continued involvement with the development of orchid study in Western Australia.

RAFFLE DRAW: David Lawson drew the raffle with the prize being won by Jeanette Wheatley.

OCTOGENARIANS: Our group of octogenarians present at the meeting gathered for a photograph prior to being joined by the rest of the members in a celebratory supper.

MEETING CLOSE: 9:20 pm

NEXT MEETING: 7:30 pm Wednesday 15 November 2017, BGPA Boardroom, Kings Park

Images from left: Cowslip X Dwarf Pink Fairy (*Caladenia flava* X *reptans*), Blue Lady (*Thelymitra crinita*), Flying Duck (*Paracaleana nigrita*)





Notices

WANOSCG Award

This is a reminder about the call for nominations.

The criterion for the Award is that the person should have advanced the aims of, and made an outstanding contribution to WANOSCG – namely the study and conservation of Western Australian native orchids. These contributions will usually have been made over an extended period of time. The recipient must be a financial member of WANOSCG.

Each year nominations shall be submitted by Members to the President by the end of the following January. Nominations shall describe the reasons, with examples, for the nomination and shall be no more than two pages long. A selection panel, consisting of the President and two non-Committee Members, will assess nominations for the Award and will make a recommendation to the Committee, who will then decide who is to receive the Award at the February Committee meeting. None of the members of the selection panel shall be nominators or nominees of the Award. The issuing of the Award will be at the discretion of the Committee and may not necessarily be made each year. The Award will be presented at the Annual General Meeting in the year following the nomination.



Positions Vacant 2018

With the end of 2017 fast approaching and a new year beckoning and tempting us with all the potential new orchid finds, our committee will be experiencing the usual (partial) changing of the guard. We are therefore seeking a number of enthusiastic and committed members to step up and offer their services for the next year or two.

Rosters:

Speaker		Topic	Raffle Prize	Supper
15-Nov	Photo competition	Member Photo Competition	Marina Karyagina	Trish Newmann

*Thank you for
reading.
Until next orchid
season...
Have a great
summer break*

BULLETIN ARTICLES

Please email any Bulletin contributions to the Editor at wanoscg@gmail.com. Items for the next Bulletin need to be submitted by 14 March 2018.

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