



WANOSCG

The Official Bulletin of the
Western Australian Native Orchid
Study & Conservation Group



Issue 2 - April 2022

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WANOSCG MANAGEMENT COMMITTEE OFFICE HOLDERS 2022:

PRESIDENT	JON WARREN
VICE PRESIDENT	RAMÓN NEWMANN
VICE PRESIDENT	ANDREW BROWN
SECRETARY	PAT RICHARDS
TREASURER	JAY STEER

ORDINARY COMMITTEE MEMBERS:

JOHN EWING, DEBBIE PROUDFOOT,
KEVIN UHE, GRAHAM WARREN

BULLETIN EDITOR – ANNIE BOWERMAN



Cyanicula aperta - Annie Bowerman

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President s Musings

Welcome to a new orchid season and a big thankyou to those members who have committed to keeping the group going by volunteering for the various committee and subsidiary roles.

The AGM was a very pleasant and relaxed affair held in the great outdoors at Tomato Lake and well attended considering the current covid issues.

It was held outdoors on a Saturday due to the group having difficulties in meeting the Covid-19 conditions required by the various venues we looked at using.

Regarding future meetings, the committee decided to put on hold the April face-to-face meeting until we have more clarity on venue Covid-19 conditions.

However, an informal Zoom presentation from Tasmanian orchid enthusiast Malcolm Wells has been organised for April 20th starting at 7:30 pm.

Please make an effort to log into this zoom presentation as Malcolm will be staying up late, due to time difference, to deliver the presentation.

Also, we are keen to get some feedback on how the process performed in your area, especially for country-based members.

Despite having Zoom presentations available on several occasions last year, there was a very low uptake, and we would like to understand why. This is disappointing as this type of online hook-up is

a method that people who cannot get to meetings can get exposure to excellent presentations and broaden their orchid knowledge.

Further, the committee is exploring a variety of formal and informal meeting approaches to be tested over the coming year.

Notices concerning meetings will be sent out to members well in advance of those meetings.

It is still intended that field trips be held (as and when practical) but is dependent upon members offering to lead or help organise such trips.

Enjoy the months of autumn with all it's wonderful orchid displays, share your experiences and photos and watch your step.

Jon Warren
President



Thelymitra cucullata - Annie Bowerman

Taking a team approach to running WANOSCG

The WANOSCG year is upon us again and a small group of people have already put their hand up to take on various committee and subsidiary roles.

Something I have noticed in my time with WANOSCG is that only a small group of people make the running of the group happen, which is the same for just about every other group run by volunteers and in the long run often leads to burn out and loss of valuable contributors.

Part of the process to reduce the workload of taking on committee and substantive roles is for these roles to focus on coordinating activities while encouraging and enabling the rest of the membership to take on an occasional task. This will then broaden the level of club activity and improve the involvement and enjoyment of being a member.

So how can an individual contribute by taking on an occasional task?

Even more importantly how can a member volunteer their services? Contacting the responsible committee or substantive member is one option (see list in this bulletin), but by far the easiest and most effective method is to send an email to wanoscg@gmail.com so that it can be forwarded to the appropriate person for action.



C. cairnsiana - Annie Bowerman

Field trips

- Identify opportunities for field trips (tell field trip coordinators about burns, what is flowering and local areas worth a visit)
- Organize a visit to your local bushland or favorite location
- Volunteer to be a Field Trip Leader (the more leaders the greater the number of members can attend a trip)
- Volunteer to list the species found on a field trip
- Volunteer to write a field trip report for the bulletin (who, what, when and general where)

NB For any field trip, small or large, to be an official WANOSCG field trip it must be logged with the field trip coordinator.

Conservation

- Join an ADORP group. Contact ADORP coordinator.
- Send sightings information to the Registrar of the database (Ramón Newmann).
- Volunteer to assist developing an orchid-based conservation response to a particular development project. If half a dozen people put up their hand to take on a project, this will then significantly reduce the workload of the conservation officer and enable WANOSCG to respond to more of these types of events ensuring any threatened orchids are suitably managed.
- Fill out the Threatened and Priority Flora Report Form when finding such orchids and submit to ADORP coordinator.
- If that is too hard then at least let the ADORP coordinator know so the appropriate team can check if it is a new population.
- Join or start a study group.

Formal and informal meetings

- Volunteer to organize supper at one of the meetings.
- Donate a raffle prize (a bottle of something, interesting nick knack, a very big box of chocolates).
- Help run a raffle, (talk to the treasurer at the meeting).
- Help set up and clean up.
- Identify speakers or activities.
- Volunteer to do a short talk (or a long one if you wish) on a noteworthy personal field trip or some other aspect of your orchid journey.
- Share your recent orchid finding experiences with a verbal personal field trip report or if you are not keen on speaking, a short paragraph outlining the date, general locations, and a species list. This article could also be submitted to the bulletin.
- Organize a local get-together even if it is just for a coffee and a chat about the local orchids

Bulletin

- Identify possible articles and authors.
- Submit notes on personal field trips.
- Submit interesting photos or orchids and members.

Facebook

- Add photographs of your finds and have a go at identifying them.
- Assist in the identification, or at least have a go.
- Share any noteworthy experiences.
- Advertise a local trip or a local get together.
- Add useful orchid-based information.

I am sure there are other tasks that should be included but the underlying message is get involved and contribute to making WANOSCG a dynamic orchid conservation and study group.

Which task are you going to have a go at?

Jon Warren
President



WANOSCG Management Committee Office Holders 2022 Subsidiary Positions:

Field trip coordinator	Graham Warren
Conservation officer	John Ewing
Membership officer	Jay Steer
Branch liaison officer SRG	Jon Warren
Bulletin editor	Annie Bowerman
Librarian	John Ewing and Alison Higgins
Supper coordinator	Trish Newmann
Web site administrator	Ramón Newmann
Facebook page administrator	Graham Warren & Nathan Piesse
Perth metro field trip coordinator	Christine Lock
Branch convenor (elected by branch)	To be confirmed
Financial statement reviewer	To be confirmed

During 2021 Ramón Newmann was the Sighting Database Registrar and Kevin Uhe was the ADORP Coordinator. Both have indicated they are happy to continue in these roles for 2022. Under WANOSCG bylaws the Management Committee is required to ratify these positions at the first committee meeting after the AGM.

Orchid of the Month – April



Leporella fimbriata (Lindl.) A.S.George (Hare Orchid, Fringed Hare Orchid)
Leporella fimbriata (Hare Orchid) is an autumn-early winter flowering species that can start as early as March in some areas and continue through to June in others, with its predominant flowering period being between April and May. The species has one of the widest distributions of all Australian orchids being found in Victoria, South Australia and Western Australia.

In Western Australia it is found over a huge range between Shark Bay and Israelite Bay, growing in a variety of habitats including forests woodlands and shrublands. It has even been found in shallow soil pockets on granite outcrops. The species appears to prefer sandy soils but can also be found in sandy-clay and lateritic soils in some areas.

The orchid was originally named as a species of *Leptoceras* by John Lindley in 1840 from a collection made by James Drummond. However, in 1871 Heinrich Reichenbach placed it in *Caladenia* and a 100 years later in 1971 Alex George placed it in the new genus *Leporella*. It has remained in that genus to the present day. *Leporella* is a monotypic genus, meaning it has just one species.

The generic name *Leporella* (small hare) refers to the Hare-like flowers while the species name *fimbriata* (fringed) refers to its prominently fringed labellum.

The species is clonal, often forming very large groups of leaves through asexual reproduction (development of more than one new tuber each year) but in most years just a handful of these plants produce flowers. There are exceptions of course and some populations flower better than others. There is also some evidence that plants flower better in the autumn following summer fire.

An interesting aspect of the plant is that it produces its new tubers (termed daughter tubers) on the ends of long, root-like stolons well away from the parent tuber, rather than alongside or near the parent tuber. This essentially means the original plant dies and is replaced with new plants several centimetres away.

Leporella fimbriata has one or two distinctive glabrous, dull green, red-stripped leaves 10–40 mm long by 10–20 mm wide that are held flat on the ground and can be seen over a number of months during autumn, winter and spring before they begin to shrivel. These leaves are often absent or are just emerging when the plant begins to flower.

When in flower plants grow to 250 mm high and produce up to three (occasionally four or five) green and purple flowers 9–12 mm across, characterised by their broad dorsal sepal, narrow, erect, ear-like petals, narrow, hanging lateral sepals and broad, prominently fringed, labellum. Flowers develop a slightly shrivelled appearance as they age but otherwise hold their form for several months after opening.

Pollination is by a male flying ant (*Myrmecia urens*) which attempts to mate with the labellum. This is one of only a few documented examples where ants have been shown to act as pollinators through sexual attraction. Although this phenomenon had been observed by several researchers including yours truly in 1978 it was not until a comprehensive study was undertaken by Rod Peakall and published in 1989 that this pollination strategy was proven.

Andrew Brown



Captions

Leporella fimbriata has a prominently fringed labellum which gives rise to its species name *fimbriata* (fringed).

Pollination is by a male flying ant (*Myrmecia urens*) which attempts to mate with the labellum.

Leporella fimbria has one or two distinctive dull green, red-stripped leaves.

ADORP NEWS

A belated welcome to Rick Clare who joined ADORP late last year and he joined in time to participate in one of the end-of-year surveys for *Thelymitra yorkensis*.

Lyn Alcock has had to step down from her role as one of the ADORP team leaders and thanks go to Lyn for the terrific effort she has put in over a number of years. Team Leaders spend a lot of time conversing with the local DBCA Conservation Officers and organising annual surveys and ensuring the follow up paperwork has been completed and submitted.

Following on from the record number of reports in 2021 I have received much positive feedback from the various DBCA Conservation Officers who have all asked that their thanks is passed on to all the ADORP teams for providing such useful information. Reporting on populations of Threatened and Priority orchids is helping DBCA to better plan for prescribed burns and proposed work sites.

A number of fires have occurred over summer in known areas of Priority and Threatened orchids and it will be interesting to see how some of these species respond to a hot summer fire. Studying the effects of fire of orchids will provide useful information in the conservation of some of our most at risk orchids.

Kevin Uhe

JOINING INTO CONSERVATION

Hello for 2022 from John Ewing.

I have been appointed as Conservation Officer for this year.

Many club members already belong to conservation programs. Our longest running one is 'Adopt an Orchid' [ADORP] which helps to conserve and study many of the already named rare priority orchids. If you don't already belong to one of the existing study groups and would

like to, then contact Kevin Uhe who is the program coordinator – [REDACTED] You don't have to be an expert. You can be quite new to orchids. All you need to be is keen.



However, there is some introductory planning for another and new initiative in 2022, which it is hoped will continue in the following years. The new initiative is because there are continual discoveries of new orchids, many of which do not yet have formal names. Most of these new species need more study to be done to help in their conservation and in their identification. Once again, you don't have to be an expert to join.

It is intended that some of the more experienced members will become team leaders of four or five members and they will work together to improve the long-term knowledge of our orchids and to ensure that this knowledge will benefit their long-term survival.

There is already a group down in the Albany region who are doing a project like this proposal. Under the guidance of Kevin Uhe, they are researching *Prasophyllum* sp 'early' (Scented Autumn Leek Orchid). This orchid has been known about for quite some time but the members are recording locations, numbers and, most importantly, specific data and measurements of the plants. Provided they find enough consistent differences, the study may lead to a formal naming and official description. Such information will enable this species to be more clearly distinguished from *Prasophyllum parvifolium* (Autumn Leek Orchid). (As an aside *P. parvifolium* flowers in winter rather than autumn.)

It is my hope that every member will join into conservation in some way. While continuing with ADORP some may be able to join into a new project. Some may join into the planned new project of developing a Lucid Key (although that project will require some experience and knowledge). This study of 'new' unnamed orchids will not need such wide knowledge as the Lucid Key as each group will focus on just a single (maybe two if they are located close to each other) species. The study will involve a number of field trips, say up to four, and some joint meetings to compile the report going to Andrew Brown and to DBCA.

One example is an orchid first found by David Lawson in 2016 on Terrace Road which is to the east of Manjimup. It is a whiteish spider orchid, but has a yellowish tinge to the petals and sepals. It looks like the image above.

Further exploring by David found other populations including one at Warranup Swamp.

Here we found them one year growing in 200-300 mm of water, looking like the image at right:



This orchid needs much more study to see if it is in fact a 'new' species. To do this will mean quite a bit of measuring, surveying to see whether it varies from year to year and/or whether it can be found in more locations. You might think that this kind of thing would be interesting to do. Especially if you are new to 'orchiding' (ie you have been into this for just a few years) and you might like to be involved, then contact me (John Ewing – [redacted]) as soon as you can. We need to decide by the end of April whether this idea is to be pursued and to look at whether WANOSCG can get some funding to enable the project to be better resourced.

WANOSCG Award for 2021

At our general meeting held under shady trees at Tomato Lake an unexpected announcement was made. Unbeknown to the recipient the rest of the committee had conspired and unanimously agreed that our super secretary was a worthy recipient of the 2021 WANOSCG Award for the superb job she has been doing over the past few years.

After joining WANOSCG in 2015 Pat Richards volunteered for the secretary role in 2016 and immediately took a very professional approach to the job at hand.

Pat didn't just do the secretary's job but provided never ending support and input above and beyond what was required of the role. This was especially evident when dealing with the development of the new constitution under the Associations Act of 2015 and when new approaches in organisation of WANOSCG were needed to meet covid management restrictions.

While dealing with these issues Pat was also working behind the scenes developing and implementing a range of administration processes and tools that has enabled the group to be able to function effectively while meeting the Act's requirements and deal with the impact of Covid. Such things as electronic filing and associated back-up systems, mail out systems and a calendar process to ensure the group meets meeting agenda protocols. This is all being done to reduce the workload of the position and in the hope, someone will take on the position in the near future.



Sadly this did not happen this year as no one nominated and as the group would have been unable to continue if there was no secretary. Pat has yet again volunteered, an act that demonstrates her dedication to WANOSCG. Thank you, Pat, for the excellent job you have done and for making yet another commitment to the position.



Duiris cruenta kemerton - Annie Bowerman

WA Native Orchid Lucid Key – a New Study Group

As anticipated at the recent AGM, the WA a JHY\U Ynck approved the acquisition of a software license to allow the development and deployment of a WA Native Orchid Lucid Key by WANOSCG. And the work has already started, so far successfully. The initial team consists of Ramón Newmann, as project instigator and coordinator, Andrew Brown and Jay Steer.

There will soon be a need for other WANOSCG volunteers to help with the development of the key as there is an awful lot of work ahead of us if we are to cover all ~400 species. This help will include data gathering/measuring, data entry, artwork, photographs, testing as well as drawing from the deep orchid knowledge and expertise within the Group.

It is anticipated that it will take some 3 years to complete the project, which is hoped will result in a desktop as well as a mobile phone app so you will be able to take it on remote trips to help identify WA's native orchids in the field. The mobile phone version will be subject to the success of the desktop version as well as further WA a JHY funding approval at the time. By the end of this year, we are aiming for a working desktop version of the key with at least 2 genera for some a Ya Vfgto hfU"

If the stars align as we hope, this will mean we may have a product for you to use sometime during the Group's 50th anniversary in 2024.

Lucid Keys are simpler than traditional dichotomous keys, based on reducing the candidate species by elimination using various typical and simple characters. It is more suitable for the enthusiast, avoiding the highly technical language used in dichotomous keys.

The Lucid Key platform is well established, supported and used for the identification of a wide range of life forms. This includes one for NZ Native Orchids as well as for various WA plants (by the WA Herbarium) as well as a wide range of insects, birds, trees, frogs.....

At this very early stage we have started with a single, simple genus to develop the direction and process. There are still many questions to be answered at this formative stage, but we've already made a good start with *Drakaea* (hammer orchids).

If you are interested and may have the time and inclination to help with such a project, please let me know by email. (wanoscg@gmail.com)

Ramón Newmann

Zoom presentation: 'Endemic Tasmanian orchids' by Malcolm Wells

Malcolm Wells's interest in native orchids started in Western Australia when he was doing postgrad studies at UWA. Usually more at home photographing fish (with two colleagues, he published the first book on Tasmanian fish), he and his wife ventured north to Coral Bay each Uni vac and became intrigued with WA's wildflowers. This interest grew in the year they lived adjacent to Wireless Hill Park.

They have visited WA many times since returning to their home state and always find time for an orchid hunt.

Malcolm has produced a well-used app on Tasmanian orchids. Now retired, he still chairs Tasmania's Parks & Wildlife Advisory Council.

Zoom link TBA shortly .



The Ravy Run - 11th June to 14th June

Melanie, Krystyna & I (Varena) met up at Ravensthorpe for a two-day orchid hunt. The weather wasn't great, but none of us had been to the area searching much before and we were keen to look in new areas.

Saturday morning we headed off south on the Ravensthorpe-Hopetoun Road, stopping randomly in hopes of seeing orchids, and for the odd "farm art" works that were along the roadside.

Flowering orchids seen for the day:

Pterostylis Sp – Above centre.

Pterostylis Sp Early – Above right.

Pterostylis crispula – Slender Snail

Pterostylis grossa – Ravensthorpe Snail – below centre; leaves below right.

Pterostylis setulosa – Hairy-stemmed Snail

Pterostylis sanguinea – Dark Banded Greenhood (we think) - above first left.

Pterostylis vittata – Banded Greenhood – above fourth from left.

Leporella fimbriata – Hare Orchid

Duiris Sp – above second from left.

Also there were lots of *Caladenia* sp. leaves, budding *Diuris* sp. & finished *Corunastylis fuscoviridis* – Pygmy Orchids

Sunday we headed north and west on our searches. Not much was seen to the north, a few *Pterostylis sanguinea* and a couple of budding *Pterostylis sargentii* – Frog Greenhoods (we think).

West was better with a couple more *P. sanguinea* and *P. vittata* in flower. More evidence of coming orchids, with plenty of leaves everywhere. The final stop was the best of the trip with five different orchids flowering. Three were new for the trip; *Diuris* sp. - undescribed donkey (we were later told), *Pterostylis* sp. - undescribed bird (we were later told), and several *Prasophyllum* sp. 'early'... and what we think were *P. sanguinea* and *P. vittata* again, with budding *Thelymitra speciosa* to top off the day.



2022 Regional Field Trip Planning

Here we are again looking for Ideas, Leaders and Participants for Field Trips into the Wilderness of WA. In the last bulletin I listed ideas for field trips to take place and for members to contact me as Field Trip Leader (FTL) to assist in the guidance into these areas. What we would like is the opportunity to have small groups on many trips and by small groups we are trying for 10 and under members area but have two or three groups going to different areas on AM and PM splits with a FTL for each group. For the bulletin we also need a report writer and I will call for volunteers on the launch of the trip, if I get none it will be done by a draw. We don't need a precise document just observations on what was found and the camaraderie of the group.

Suggested trip ideas so far are;

1. Collie, early to mid-October, possible camping opportunity,
2. Walpole post burn in BioBlitz area, September or October
3. Scott River, in September, October or November,
4. Yallingup in May – (bunny orchid hunt)
5. Meelup and/or Boranup post burns in September or October
6. Possible other areas post burns after fires over summer that members may have noticed.

Please look over these ideas and dates and if you believe visiting in another month all input is welcome. Though I am coordinating the field trips, I would appreciate your assistance as volunteers to lead a trip or provide other areas that we may not have ventured to.

Please email your proposals by the 20th April to fieldtrips.wanoscg@gmail.com, so I can start organizing some fun for us all.

I look forward to developing ideas and co-ordination of many field trips for this year with the membership's help.

Last but not least; Fun Field Trips are only as good as the participating members, so the more people involved in the development of a field trip the more interesting it will be.

Graham Warren



T.flexuosa - Annie Bowerman



T.apiculata - Annie Bowerman

In years to come we will realise how lucky we were..... to gaze upon the irresistible comeliness right in front of us.....to behold in awe what came before; what is, what was, what may never reappear. Take in the wonder as much as your eyes can stand then reminisce what we saw, what we missed and what others will surely pine for.
Anonymous

ORCHIDS FLOWERING IN APRIL

North South WA	Cons Status	Common Name	Species	Flowering Start	Flowering Finish	March	April	May	Distribution
S		Winter Spider Orchid	<i>Caladenia drummondii</i>	30-Apr	30-Jun		Y	Y	Lake King to Nerren Nerren Station
S		Pygmy Orchid	<i>Corunastylis fuscoviridis</i>	15-Mar	31-May	Y	Y	Y	Wagin to Eyre on the Great Australian Bight
S	P2	Peat Helmet Orchid	<i>Corybas autumnalis</i>	30-Apr	31-May		Y	Y	Under thick vegetation in peat swamps near Walpole
S		Slipper Orchid	<i>Cryptostylis ovata</i>	30-Sep	15-Jun	Y	Y	Y	Perth to Albany with isolated populations east of Esperance
S		Blunt-Leaf Bunny Orchid	<i>Eriochilus dilatatus</i> subsp. <i>brevifolius</i>	15-Apr	15-Jun		Y	Y	Cataby to Murchison River
S		White Bunny Orchid	<i>Eriochilus dilatatus</i> subsp. <i>dilatatus</i>	15-Mar	31-May	Y	Y	Y	Dirk Hartog Island to Israelite Bay
S		Easter Bunny Orchid	<i>Eriochilus dilatatus</i> subsp. <i>magnus</i>	1-Apr	31-May		Y	Y	Perth to Porongorups
S		Common Bunny Orchid	<i>Eriochilus dilatatus</i> subsp. <i>multiflorus</i>	1-Mar	31-May	Y	Y	Y	Perth to Albany
S	P3	Eastern Bunny Orchid	<i>Eriochilus dilatatus</i> subsp. <i>orientalis</i>	1-Apr-	31-May		Y	Y	Caiguna to Toolinna Cove
S		Swamp Bunny Orchid	<i>Eriochilus helonomos</i>	1-Apr	1-Jun		Y	Y	Cataby to Cape Riche
S		Granite Bunny Orchid	<i>Eriochilus pulchellus</i>	1-Apr	31-May		Y	Y	Northcliffe to Bremer Bay, also Esperance to Balladonia
S		Red-lipped Bunny Orchid	<i>Eriochilus valens</i>	15-Mar	15-May	Y	Y	Y	Walpole to Albany, also near Munglinup
S		Hare Orchid	<i>Leporella fimbriata</i>	15-Mar	15-Jun	Y	Y	Y	Kalbarri (North of) to Israelite Bay
S		Leafless Orchid	<i>Praecoxanthus aphyllus</i>	1-Mar	31-May	Y	Y	Y	Pinjarra to Esperance
S		Scented Autumn Leek Orchid	<i>Prasophyllum</i> sp. 'early'	15-Apr	30-Jun		Y	Y	Bunbury to Israelite Bay
S		Banded Greenhood	<i>Pterostylis vittata</i>	15-Apr	30-Sep		Y	Y	Perth to Balladonia

Annual Subscription Fees

As a friendly reminder, annual subscription fees are now due. Under the constitution paragraph 50(3)(e), the business of the annual general meeting is to confirm or vary the entrance fees, subscriptions and other amounts (if any) to be paid by members.

The AGM confirmed that membership fees should remain unchanged from those of 2021 as follows:

- Nomination fee (new members) \$25
- Annual fees:
 - Ordinary member \$35 (*\$25 discounted)
 - Associate member \$20 (*\$15 discounted)
 - Family membership \$45 (*\$30 discounted)
 - Associate family membership \$40 (*\$25 discounted)
 - Due date 31 March of each year

**New applications received after 31 August discounted*

- No nomination fees or annual fees - Life member, honorary member

All members are reminded that annual subscriptions are now due. Payment can be made:

- to the Treasurer in person
- by mail with cheques made out to WANOSCG and sent to:
 - WANOSCG, PO BOX 323, VICTORIA PARK, W.A. 6979
- by electronic transfer to the club's bank account:
 - BSB: 306044 Bank name: Bankwest, Account number: 5492468

If you choose to send money electronically, please identify what the payment is for (e.g., "Annual Fees." and send a copy of your receipt of electronic transfer with your name on it to the club's email account (wanoscg@gmail.com)

Those who haven't paid by the end of June will be deemed un-financial and will not be current members (i.e. no voting rights, no access to WANOSCG Bulletin, Zoom presentations or WANOSCG Facebook page)

