



QNC NEWS

Newsletter of The
QUEENSLAND NATURALISTS' CLUB INC.

No. 352 September-October 2020

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www.qnc.org.au

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Brachydiplax denticauda/Palemouth/ male
Chris Burwell



Native bryony *Diplocyclos palmatus*
Ron Carr

PROGRAMME

We are pleased to announce that general meetings and outdoor excursions are back!

Please follow the **Registration guidelines during COVID-19**.

General Meetings:

September 21	Calendar photos; Greg & Annie Neil <i>NW Qld Trip</i>
October 19	The CT White Lecture - Dr Andrew Franks <i>Bryophytes</i>

Excursions:

September 4-6	Durikai State Forest Camp
October 3-5	Minto Crags Camp
October 17	Scotts Point

CLUB CONTACT DETAILS

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QNC News Editor:	Vacant		news@qnc.org.au

Deadline for News items – 15th October for November-December 2020.

The Queensland Naturalist is published twice per year, send articles to the Editor:

Dr. Peter Woodall at journal@qnc.org.au

If you receive a paper copy of the newsletter, switch to receive the coloured email edition by contacting Mike (treasurer@qnc.org.au) to update your details.

COUNCIL NEWS

Resignation and pending retirements from Council

It is with regret that Council accepted the immediate resignation by May-Le Ng from her role as Editor of QNC News, due to a substantial increase in work and family commitments. Members and Council greatly appreciate the contribution May-Le has made for the Club during her time as Editor of the QNC News, and we wish her every success and much joy in both her career and family life.

Council also acknowledges and appreciates the contribution of Lynette Haselgrove for stepping in to collate this edition.

Please see the separate headline for more details about the vacant position of Editor, QNC News, and your consideration of this role is appreciated.

Long-standing Council members David Shaw and Barry Jahnke have indicated they will retire from their positions on Council at the end of this term, i.e. at the February 2021 AGM. The contributions of David and Barry to the Club were acknowledged some years ago when they were each awarded Life-membership to the Club, and their substantial and ongoing contribution to the Club and Council is much appreciated.

David was instrumental in putting together the Club's webpage and has been Treasurer, Webmaster and Lanternist for the Club. He has served on Council on and off since 1983. In David's words, it is time to hand these roles to someone in a younger generation.

Barry has, over many decades, served as President, Vice-president, and Council member for the Club. His contacts within the Queensland Museum and natural history network have helped source interesting speakers for General Meetings, and interesting destinations for field excursions and camps. Barry says it is now time for him to spend more time in his garden and shed, and less time at meetings.

Club members who are interested in the Web-master role, the Lanternist role, or being a member of Council, are encouraged to speak with David and Barry, or any member of Council, and to come forward when nominations for the 2021 AGM are called.

IMMEDIATE VACANCY – Editor, QNC News

The newsletter of the Club, QNC News, is an important communication vessel for the Club, and the Club is **urgently** seeking interest from Members to take on this role, with an immediate start date. If you are interested please contact anyone from Council, or send a brief email to secretary@qnc.org.au

The Editor, QNC News, is a member of Council and they monitor the email communication of Council, the minutes of meetings, scheduled and completed outings and excursions, and the Club's Facebook and Webpage for items to include in the News. They encourage written and photographic contributions and publish the newsletter every two months. The deadline for contributions for the News is the 15th of every second month. It is after this deadline that the intense work starts, so that by the 20th a draft can be emailed to one of the members, currently Ann Hanger, for proof-reading, prior to publication and distribution by the 25th of every even month.

Your serious consideration and response to this vacancy is much appreciated.

Urgent Request - Photos for 2021 QNC CALENDAR – Due by 18th September.

Members are encouraged to look through all of the photos from QNC excursions and submit suitable ones for consideration by members at the September 2020 General Meeting for the 2021 Calendar.

For details please see page 12.

Subscription Reminder

This is a reminder that Subscriptions for 2020-21 were due on 1 July 2020. Options for payment are shown on the back page of the QNC News.

Excursions are back! General Meetings are back

We are pleased to announce that outdoor excursions are back! Please follow the **Registration guidelines during COVID-19** found in the Excursions section.

Naturalists' Clubs' Newsletters

Several naturalists' clubs are sharing newsletters to encourage continued interest and knowledge sharing while social distancing is in place.

These can be found at the following links:

<https://qnc.org.au/Publications.htm>

<https://mysd.com.au/fieldnats/nats-magazines-2/>

If you have connections with additional field naturalists' clubs that have expressed willingness to share newsletters during these COVID-19 restrictions, please email president@qnc.org.au or secretary@qnc.org.au and we will reciprocate.

Items for the News

We would love you to share your experiences in, or observations of, the natural world through the newsletter. These may be current or something you've been meaning to share for a while.

Please send your written piece with photos and photo captions to news@qnc.org.au.

Facebook

Follow our Facebook page for tidbits about the natural world, to find out what we've been up to and for information on upcoming events. Share our page with your friends and families and contact Leith (librarian@qnc.org.au) if you have information we could post. You do not have to be a member of Facebook to see what we publish, and you don't have to divulge any private information.

GENERAL MEETINGS

General meetings are held between February and November on the third Monday of the month from 7:30 PM at the Toowong Uniting Church Hall, 82 Sherwood Road, Toowong. This location is conveniently reached by public transport and is approximately 200 m from Toowong Village Shopping Centre, Toowong Railway Station and the main bus stops. Street parking is available near the church and there is an off-street parking area on the river side of the church (ignore the permit required sign). Parking at Toowong Village Shopping Centre is free for entry after 6:00 PM.

LIBRARY CUPBOARD

Journals and newsletters will be on display and new books will be brought to General Meetings. However, as the library cupboard is not available at the Toowong Uniting Church Hall, books can be borrowed by contacting Leith (librarian@qnc.org.au) prior to the meeting. The library catalogue can be found on the QNC website at http://www.qnc.org.au/Library/QNC_LibraryCatalogue.pdf.

DIGITAL EXHIBITS AT GENERAL MEETINGS

Do you have something to share at a General Meeting? If your exhibit requires the projector, please arrive by 7:15 PM and liaise with the Lanternist to upload your PowerPoint or jpeg image. We would also love to see your exhibit in the QNC News and online. Please see the Exhibits section of this newsletter.

ROSTER FOR GENERAL MEETINGS

Our General Meetings are warm and welcoming thanks to the generous help of a few volunteers who provide reception and supper duties. Please consider nominating for the General Meeting Roster by signing up at a meeting or emailing your availability and preferred task to Judy (secretary@qnc.org.au). **Note: supper will not take place at meetings until the COVID situation eases.**

COMING UP

Monday 21 September – Members' Night

This meeting will be the first meeting since COVID19 led to the cancellation of meetings. The meeting will follow a COVID-safe plan, including the following:

- ❖ A maximum of 48 people are permitted at the meeting.
- ❖ In keeping with COVID requirements all people wanting to attend the meeting will need to register by 6pm **Sunday 20th September** via email to treasurer@qnc.org.au or by phone to President Sally Johnsen mobile 0449517627 or Treasurer Mike Anderson mobile 0434148170. However, it is unlikely this number of people will attend the meeting, and 'last minute' attendees should be able to be accommodated. However, if you do not register to attend and the maximum number of people permitted are already there, with regret you will not be able to enter the venue if you just turn up hoping to get a seat.
- ❖ COVID-19 social distancing, hygiene and other requirements will be implemented.
- ❖ Also, NO SUPPER will be held, and no books or library items will be on display.

Photo entries for the clubs' 2021 calendar will be displayed, and photos for this calendar will be selected by attendee votes. Club member Doug Smith, who is a photographer, has kindly offered to collate the 2021 QNC Calendar.

The meeting presentation will be given by Greg and Annie Neill. Greg and Annie and two friends recently returned from a four-week road trip to north western Queensland and Boodjamula (Lawn Hill) National Park was the highlight of this trip. Their presentation will show the natural history of the areas they passed through on their journey, including Charleville, Muttaborra, Porcupine Gorge National Park (north of Hughenden), Richmond, Mt Isa, Riversleigh World Heritage Area, Karumba, and Undarra National Park (lava tubes).

Monday 19 October - The CT White Lecture

The CT White Lecture for 2020 will be given by Andrew Franks. Andrew is an expert on bryophytes (moss and moss-like plants). Queensland is the most bryologically diverse state in Australia, reflecting the diversity of climate and vegetation types across the state. Our understanding of the bryophyte flora of Queensland has been a long and sporadic process with many contributors. In this lecture, Andrew will talk about the history of Queensland bryology, including some of the key collectors and researchers that have contributed to our understanding of this often-overlooked group of land plants.

COVID-safe meeting requirements will be followed, including the following:

- A maximum of 48 people are permitted at the meeting
- All people wanting to attend the meeting will need to register by 6pm **Sunday 18th October** via email to treasurer@qnc.org.au or by phone to President Sally Johnsen mobile 0449517627 or Treasurer Mike Anderson mobile 0434148170.
- COVID-19 social distancing, hygiene and other requirements will be implemented. Also, NO SUPPER will be held, and no books or library items will be on display.
- Any changes with the COVID-safe meeting requirements will be updated on the QNC website, Events page.

EXCURSIONS

Fees apply for weekend camps of \$2 per adult per night, plus other camping fees, if applicable.

Registration for all excursions is with the Leader or contact given.

Those participating in any Club activity do so as volunteers in all respects and as such accept responsibility for any injury to themselves, however incurred. The Club or its officers cannot accept any liability or responsibility.

VOLUNTEERS REQUIRED TO LEAD EXCURSIONS

Do you know of a great place that other naturalists might enjoy exploring with you? We are looking for people to suggest excursion locations and for volunteer excursion leaders. If you are interested, contact Barney by email excursion@qnc.org.au or telephone: 07 3720 9414.

EXCURSION SIGN-ON SHEETS

The Club asks all people who attend excursions to sign an Attendance Sheet. This provides a record of your attendance in case it may ever be necessary to make an insurance claim. It also offers the option of recording your email address so that you can receive a species list from the excursion.

REGISTRATION GUIDELINES DURING COVID-19

To comply with government regulations during the COVID-19 pandemic, the Club is changing the way that registrations occur for Club outings. These guidelines are listed below. Note that the Club may need to change the guidelines at short notice to comply with ongoing changes in government regulations.

Current Guidelines:

- The number of participants at Club activities may be restricted.
- **Members must register via email** to the Excursion Secretary at excursion@qnc.org.au, at least 24 hours before the commencement of the outing with the names of each attending person.
- To limit the number of people, registrations will be awarded on a first in first served basis, with members advised if they are successful or not in their application.
- Participants will need to maintain social distancing requirements for the outing.
- *Please do not attend QNC outings if you are feeling unwell or showing cold or flu-like symptoms.*

COMING UP

September 4-6: Long Weekend Camp – Durikai State Forest

Leader: Harry Hines

This year's September weekend camp (beginning on the pupil free day on Friday 4 September) will be to Durikai State Forest, about 40km west of Warwick (~2.5-3hrs drive from Brisbane). The vegetation communities include box-ironbark woodlands that support several rare or threatened species such as squatter pigeon, turquoise parrot, black-chinned and regent honeyeaters, diamond firetail, border thick-tail gecko, little pied bat, *Macrozamia conferta* and the endemic eucalypt Durikai mallee *Eucalyptus infera*. The state forest is rich in nectivorous birds (24 species of Meliphagidae, 4 species of lorikeets, swift parrot). The club held a long excursion to the area in Aug 2007. Recently, the area has been subjected to extreme drought with considerable tree and shrub death. However, good rains have fallen there in early 2020. The excursion provides an opportunity to examine the effects of the drought and the post-rains recovery.



Allocasuarina sp in flower, May 2017
Peter Haselgrove

The camp will officially commence after lunch on Friday and finish at lunch on Sunday. Those wishing to arrive earlier or depart later may do so.

Self-catering will apply. Club toilets will be provided. Open fires may not be permitted, depending upon the fire risk. Participants will be required to bring their own drinking water. Water for washing and cooking may be available from a dam at the campsite. The campsite is accessible by conventional vehicle with care. There is ample room for tents and camper trailers etc. Car-pooling will be used for day trips to minimise vehicle numbers and, for some areas, to take advantage of higher clearance vehicles.

Registration: Please register and adhere to the **Registration guidelines during COVID-19**. See above.

Fees: QPWS camp fees are likely to apply, as well as the Club's \$2 per person per night.

Directions: Will be forwarded by the leader upon registration.



October 3-5: Camp – Minto Crags, Croftby, Scenic Rim

Leader: Barney Hines 0420 351 801

Minto Crags are a prominent rocky outcrop, a rhyolitic ring dike south of Boonah in the Fassifern District. The highest point is Mt. Minto, 1,082 feet high, which was originally called Coweemooraburra. The varied vegetation communities include low woodland, shrubland and small areas of microphyll vineforest at the base with the surrounding areas dominated by eucalypt open forest.

The campsite is on a private property of 60 acres, including Mt. Minto, and adjacent to Crown Land that also forms part of the Minto Crags ring dike. The owners have been very careful in the preservation of the natural history features on their land. The camp area has some slopes, is grassed amongst some small eucalypts and is suitable for tents, caravans and camper trailers. Nearby is a relocated hall which will be available for evening get-togethers. If the weather is suitable, frogs may be calling from a near-by dam. Campers will need to be self-sufficient, including water. Toilets are on site. Day visitors are welcome and need to be on site by 8.30am for a 9.00am start.

As a guide, travelling time from central Brisbane is about 2 hours. It is expected that the second day (4th) will be spent on or about the Crags, but for those who choose to not climb the hills, there is plenty to see on the surrounding slopes.

Directions: Make your own route to the prominent round-about in Boonah near the sports grounds and the Boonah Motel, then use the following directions. Turn south from the round-about and pass the main business centre on your left and the Boonah State School on your right. You will then be heading south on the Boonah-Rathdowney Road (Route 93). Pass the Dugandan Hotel on your right, and soon after crossing Teviot Brook you will see Trinity Lutheran Church on your left. Soon after passing the church, you will see cultivation and a major intersection near several houses. Continue on the Boonah-Rathdowney Road into hilly country and look for Ganthorpe Road on your right. At this point you will see mountains of the Scenic Rim including the lower rocky Minto Crags. In the lower land along your route, look for the "Coochin Coochin" homestead on your right opposite forested hills on the left. Slow down as you will soon see Carney's Creek Road turn-off on your right

into which you turn at a right-angle. (Amongst the signs there will probably be one to The Head). After rising over a hill, you will see Minto Swamp (if there has been enough rain) and behind it, Minto Crags. The next road to look for will be Dwyer Ridges Road on your right and after turning into it, look for a gate on the right, about 100m up a hill from Watson Road. (This gate is at -28.119, 152.586 and is numbered 619). Be sure to close it after entering and then drive slowly along this gravel easement as you will pass close by two new dwellings. The easement will end at the campsite which is to the left of the owner's houses.

Registration: Please register and adhere to the **Registration guidelines during COVID-19**. See above. The owner has requested a maximum of 30 campers, please register early to avoid disappointment.

October 17: Scotts Point, Redcliffe Peninsula.

Leaders: Dr. Ian Lawn and Myriam Preker.

Day and Time: Saturday, October 17, 2020. Meet at 14:00 (low tide is at 16:05, height 0.24m).

Location: Assemble at the car park adjacent to Scotts Point Progress Park Brisbane UBD Ref: Map 91, R14 (the car park entrance is opposite 2 Margate Parade: turn right after you enter the car park to access the parking spaces adjacent to Scotts Point Beach).

Description: Scotts Point is a rocky outcrop along the south-eastern shores of the Redcliffe Peninsula. Weather permitting, we will be exploring the platforms and tidal pools uncovered by the falling tide.

What to bring: Water, lunch and standard beach gear such as: sunblock; sunhat; sturdy footwear that can be used in water and also protects the ankles; reef-walking stick; and windbreaker, if it is a windy day.

How to get there: Scotts Point is located in the suburb of Woody Point on the Redcliffe Peninsula, just north of Brisbane. Whether you access this from the Bruce Highway (via Anzac Avenue), or from the Southern Cross Way (via exit 120A for the Deagon Deviation route), make your way to Oxley Avenue, then turn into King Street and head towards the coast until you reach 2 Margate Parade.

Registration: Please register and adhere to the **Registration guidelines during COVID-19**. See above.

December 5: End of year break-up – Date claimer

The QNC end of year breakup will be held the afternoon and evening of Saturday 5th December. The venue is yet to be confirmed but is likely to be at a Scout Hall on the southside, with access to facilities and bushland.

EXCURSION REPORTS

22 July: Enoggera Reservoir

Nine members and one visitor joined us for an excellent walk on the Araucaria Trail on the northern shore of Enoggera Reservoir. The weather was overcast but the rain held off and we made steady progress to have lunch at the peninsula before returning in the afternoon.

We recorded 48 species of birds, most of the usual waterbirds and a good selection of woodland birds, including a glimpse of a pair of Yellow-tailed Black-Cockatoos. One of the highlights was seeing a White-eared Monarch foraging in the trees above our lunch stop. It was very active, so we only got glimpses of it as it moved around in the foliage.

The other highlight was on our return to the carpark. A raptor flew over being pursued by a flock of Blue-faced Honeyeaters. There was some discussion about its identity, but an examination of our photographs settled it as a Square-tailed Kite.



White-eared Monarch Leith Woodall



Square-tailed Kite – Peter Woodall



A number of plants were in flower, including Devil's Needles *Solanum stelligerum*, Forest Red Gum *Eucalyptus tereticornis*, Hairy Acalypha *Acalypha nemorum* and Glossy Acronychia *Acronychia laevis*.



Pyronema sp. – Peter Woodall

Some areas along the track had been recently burnt in a hazard-reduction fire and it was interesting to see two species of fungi emerging from the ash. One was *Pyronema* sp. which produced orange mats, contrasting with the blackened ash. The other was a large *Laccocephalum* sp.

A full list of birds seen can be found at <https://ebird.org/checklist/S71738738>

and other observations on natural history at

https://www.inaturalist.org/observations?on=2020-07-22&place_id=any&subview=table&user_id=nyoni-pete&verifiable=any

Peter and Leith Woodall

July 26: Dwyers Scrub Conservation Park

After significant rain in the area on the Saturday before our excursion, 13 of us set off with hopes that the rain would hold off for the several hours of our exploration. The weather still looked somewhat threatening on the journey to this little-known park 30 or so kms SW of Gatton. Our claim that the roads were “good” was true until the last kilometre when wet soft soil made the going messy and a bit challenging.

The park is generally about the 500m elevation along its northern ridge and falling away to the South to Spinach Creek. The track we followed kept to the ridge for some distance before curling to the south and down the slope. The red soils of the higher parts derive from the olivine basalts of the area the erosion of which have provided the basis of the small cropping lands of Gatton and surrounds. These deeper soils along the ridge supported an upper story of *Eucalyptus melliodora*, *E. biturbinata*, *Angophora subvelutina*.



Sandstone in laminar form Scrub Ron Carr



Fishy Saltbush *Chenopodium robertianum* Ron Carr

As we descended, we left the better soils and entered onto the underlying sedimentary formations with increasing amounts of exposed sandstone. Here we moved into a regime dominated by *E. melanophloia*. In these areas the weed problems were most evident. Much *lantana*, *Zinnia peruviana* and *Opuntia tomentosa* taking over the ground. A little lower still *E. major*, *E. crebra* and *E. fibrosa* became more prominent.

In making the track, machinery disrupted and exposed some areas of sandstone unusual in that the rock split into slabs of even thicknesses 40 or 50mm. The common form of sandstone is massive.

Towards the lunchtime mark we arrived at the southern boundary of the park. Here the scene was of steep rocky sandstone country falling to the creek.

The park was gazetted in 1992 as an environmental park and a management plan was published in 1998. That plan noted it to be one of only two areas of dry vine scrub protected in the Lockyer valley. The park has however seen little active management and undergone what one might call benign neglect. There are some signs of earlier light logging and of some areas being cleared in the past. There has been no record of a wildfire through the area over the past 50 years that I can find. The park has suffered badly in the recent drought years.

On the return we turned off the track to visit a small spring emerging only a couple of metres away from and above the dry creek bed. This is one of very few sources of apparently permanent water in the park. Naturally the vegetation responds immediately, and we saw *Grevillea robusta*, *Ficus sp*, *Brachychiton discolor*, *Erythrina numerosa*.

The weather held perfectly for the day, cloudy and cool with rain only returning to fall lightly as we covered the last few meters of our walk. The list for the day included five new species and it was nice to find the local Ma Ma Creek wattle *Acacia loroloba*.

Ron Carr

ITEMS OF INTEREST

HAIRY MUSKWOOD



This medium sized tree, the Hairy Muskwood *Alangium villosum* has so far gone beneath my radar that I hadn't even registered its existence in my plant books. However, when I saw this specimen at Gold Creek Reservoir I was struck by the unusual "stitching" effect, presumably domatia, along the veins of the leaf underside. Together with the asymmetry and soft hairiness of the leaf and the flowers I was fairly confident in identifying it as a Hairy Muskwood. It was the only one I could see in the area. Judy Haines



ODONATA PHOTOS FOR GUIDEBOOK

More dragon- and damselfly photos!

By Sally Johnsen, Barney Hines, Chris Burwell and May-Le Ng

The QNC is seeking photos from club members to illustrate a guidebook of the dragon- and damselflies of south east Queensland to be produced in memory of the late Deniss Reeves. Deniss was a former QNC President and long-term member who had a passion for dragonflies and damselflies. He devoted his life to raising community awareness and the understanding of them. He collected numerous specimens which he donated to the Queensland Museum and other scientific institutions.

In memory of Deniss, and with some of the generous bequest received from his estate, members of the club are working towards producing a guide for budding naturalists to learn about these insects. In addition, the guide will encourage younger naturalists in the pursuit of natural history, according to his wishes.

A group from the club has been meeting regularly this year using Zoom video-link technology. Chris Burwell, QNC member and Senior Curator of Insects at the Queensland Museum, and Shane Appleby, previously Digital Assets Manager at the Queensland Museum have both provided valuable advice. The scope of the project is now changing. Initially a brochure was envisioned, but now the project has expanded to produce a small guide. The guide is to be illustrated with photographs of damselflies and dragonflies. To assist this process, we would like to invite club members to contribute quality images. Some images from Deniss Reeves may also be used.



Rhyothemis graphiptera, (graphic flutterer) Sandy Camp, Doug Smith.



Ceriagrion aeruginosum (Common name: redtail)
Ewan Maddock Dam Jan 2014, Chris Burwell

The club has invested in the purchase of a license for an image management system called Pics-io, using funds from Deniss' bequest, which is being used to catalogue photos contributed by members and to enable taxonomic and other data to be recorded for each image. Many photos have already been received by the club and we thank members who have contributed to date. However, more images are still required. Images need to be high quality, sharp and of a high resolution, suitable for publication. We will welcome pictures of any species native to the area, but in particular we have no suitable images currently from the following species:

- Forest Darner, *Austroaeschna pulchra*
- Sigma Darner, *Austroaeschna sigma*
- Northern Evening Darner, *Telephlebia cyclops*
- Swampwatcher, *Agrionoptera insignis*
- Wandering Glider, *Pantala flavescens*
- Coastal Petaltail, *Petalura litorea*
- Golden Flatwing, *Austroargiolestes chrysoides*
- Aurora Bluetail, *Ischnura aurora*
- Southern Pinfly, *Neosticta canescens*
- Powdered Wiretail, *Rhadionsticta simplex*
- Forest Needle, *Synlestes selysi*
- Bronze Needle, *Synlestes weyersii*



Common Tree snake with (most likely) Blue River Damsel,
Brookfield, Esther Horton

Having the following information for each photo would be beneficial but not essential.

- Photographer's name
- Species if you know it (not essential)
- Date and time of observation
- Location description and, if possible, coordinates and datum
- Habitat type
- Any other notes from your observation



Austrophlebia costalis (southern giant Darner)
Eungella, Chris Burwell

Photographers agree that the Club may use their photos for the project, including materials relating to the project. QNC may crop photos for display but copyright remains with the photographer and all photos used will be credited to the photographer.

If you would like to contribute photographs to the project, please email Doug Smith sdoug7405@gmail.com who will assist you in importing your photos into the club's Pics.io account.

With summer coming, please feel inspired and get snapping!

QNC CALENDAR - PHOTOS

The QNC has run a wide range of day outings and camps during the years and we would like to capture some of these moments in our annual calendar. To this end, we are asking members to submit photos from QNC outings to the QNC Calendar Photo Competition for the 2021 Calendar. Photos can be from any QNC outing, regardless of when the outing occurred.

The requirements are:

- Photos must depict natural history and be taken in association with club activities.
- Photos must be in JPG format, not larger than 4Mb size with landscape orientation preferred. QNC may crop entries submitted with other ratios for display or for the calendar. Aspect ratio of 3:2 is desirable.
- Participants may submit up to 4 entries.
- Photos should be submitted by email with supporting information including location and species to: photo@qnc.org.au.
- Titles/captions are not necessary. Photos will be judged by members on their merit.
- Photos will be printed to A4 size and displayed on the night of the September general meeting.
- Voting will be by members on the night of the September general meeting.
- Entrants agree that the Club may use their photos for the 2021 calendar or in the Club newsletter, QNC News.
- The photographer will be credited, and copyright remains with the photographer.
- Entries will be accepted until noon Friday 18th September 2020.
- Council's decision about inclusions in the calendar is final.

FREE PAMPHLETS: ROCKS AND LANDSCAPE NOTES

Rocks and Landscape Notes and *Rocks and Landscape Notes: Brief Backgrounds* are short leaflets describing the geological origins of some of the more scenic areas of Queensland. Download your copies from the Geological Society of Australia's website:

https://www.gsa.org.au/Public/Divisions/QLD_subpages/Rocks_and_Landscape_Notes.aspx?WebsiteKey=a8c3ae88-b6eb-48e1-bea8-adfed361add5&hkey=648b9b05-2706-4890-b3ab-3c306c82384d

BUGS AND BEADS

Vivian Sandoval is an entomologist working with insect-fungi interaction, the Secretary of the Queensland Mycological Society and a councillor of the Entomological Society of Queensland. She funds her own research projects through sales of the fungi/insect-inspired jewellery and collectibles she makes. Vivian's jewellery will be available for purchase at General meetings.

Vivian created "Bugs and Beads" to promote the connection between insects and fungi, arts and crafts. She designs and makes jewellery and collectibles and promotes the work of local and international artists.

For more information, visit www.bugsandbeads.com or follow [@bugsandbeads](https://www.instagram.com/bugsandbeads) on Instagram and Facebook.

PLANTS OF TOOWOOMBA AND THE DARLING DOWNS: CAN YOU HELP US?

A local group of plant lovers has initiated a project to develop a field guide to the plants of Toowoomba and the Downs based around the Condamine River catchment (area of interest lies within the black polygon shown on the map in previous editions of the QNC News). Our inspiration is the excellent *Mangroves to Mountains* by Glenn Leiper et al. Our working title is *Condamine Country: A Field Guide to the Plants of Toowoomba and the Darling Downs*.

To that end, we are seeking photos of local flora and would be pleased to receive any good shots you might have that you are willing to share with us. The project is not a profit-making venture, so no payment for images is possible, however authorship of any images we use will be acknowledged.

Details for photo submission:

- We are seeking photos that are in focus and show the features of the plant clearly.
- Ideally photos should show flowers, foliage and any other features of significance for identification. The field guide is aimed at ordinary people with no botanical expertise. The most suitable photos for our purposes are the ones which show the feature/s of the plant which are most likely to attract the attention of a curious amateur.
- Photos should be as high resolution as possible and in JPEG (jpg) or TIFF (tif) format; we may need to crop or otherwise adjust images.
- Photos should be of wild plants only (not garden specimens)
- Photos can be of introduced as well as of native species. We intend to include a selection of introduced plants.
- Please name any files you send us in this way:
 - [Genus] [species] [your given name] [your surname] [the location of the plant] [month taken] [year taken] (e.g. *Acacia blakei* Fred Neurk Clark Rd Chinchilla Feb 2018)
 - Omit any of the detail above that is unknown; if the plant itself is unidentified, please replace [genus] and [species] with the word [unknown] (e.g. unknown Fred Neurk Clark Rd Chinchilla Feb 2018)
 - If you are submitting more than one photo of a particular species, please add a number at the end (1, 2, etc.)
- Please limit your submission/s to three photos of any given species.

If you have photos that you think would be suitable for our book that you're willing to share, please send them by email to: condaminecountry@gmail.com

It would help if you could limit the number of file attachments to any email – say a maximum of three files per email. We will be grateful for any help you can give us!

The Condamine Country Team: Trish Gardner, Peter Macqueen, Steve Plant, Lisa Churchward and Greg Spearritt

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