

QNC NEWS

Newsletter of The QUEENSLAND NATURALISTS' CLUB INC.

No. 355 March-April 2021

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never dead. Keats

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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

The Annual General Meeting (AGM)

The Annual General Meeting of the Queensland Naturalists' Club was held on 15 February 2021. Of note, respected club members and long term councillors David Shaw and Barry Jahnke resigned from council in 2021. Certificates of Appreciation were presented to both David and Barry by Ms Sally Johnsen at the AGM.



Myriam Preker presided over the election of Office Bearers. Below is a list of QNC Office Bearers for 2021.

QNC Council Members For 2021

Position	Office bearer	
President	Ron Carr	
Vice president		
Secretary	Judy Haines	
Assistant secretary	Cathryn Duffy	
Treasurer	Mike Anderson	
Journal editor	Peter Woodall	
News editor	Annette Neill	
Lanternist	Brigid Williams	
Librarian	Leith Woodall	
Webmaster	Terry Johnsen	
Member	James Hansen	
Member	Dick Date	
Member	Colleen Foelz	
Member		
Past president	Sally Johnsen	

2021 Queensland Natural History Award Recipient - Mr Rodney (Rod) Hobson

The AGM included the presentation of the 2021 Queensland Natural History Award. The award this year was presented to Mr Rod Hobson, acknowledging Rod's lifelong passion for the natural history of Queensland and his contributions through 25 years of Queensland Park Ranger work, publishing and research collaborations.

Rod Hobson, a member of Toowoomba Field Naturalists Club Inc., has had an intense interest in natural history all his life. His childhood interest in reptiles widened to include mammals, birds and freshwater fish, invertebrates such as dragonflies, land snails, dung beetles, scorpions and centipedes. He also has an interest in terrestrial orchids, carnivorous plants, and fungi.

Rod worked for about 25 years with the Queensland Parks and Wildlife Service, and he contributed his extensive natural history knowledge and expertise to scientific research via in-the-field data gathering, observation, collecting and recording. He has published extensively including peer-reviewed articles, research reports, articles and papers for government departments, museums and universities, and popular articles. Rod has also given numerous presentations and talks to, and led excursions for, schools, community-based natural history associations, community groups, and in recent (pre COVID-19) years he was involved in a wildlife talkback radio program. Rod's enthusiasm, expertise and skill have helped expand the knowledge and understanding of the natural world in Queensland.



Response from Rod Hobson – Rod thanked all who helped him to gain, unexpectedly, the honour of this award. He thanked the QNC for the award. He then went on to thank a number of people who had been of particular importance to him in his career from both the Queensland Museum and Toowoomba Field Naturalists' Club. Rod also thanked his Dad and his loving wife Betty, who has long tolerated snakes in the freezer and house!

The Speaker at the AGM was Dr Andrew Baker, recipient of the 2020 Queensland Natural History Award. The topic was 'The detection, description and conservation of endangered antechinuses'.

Andrew Baker has worked with Steve Wilson and a group from QUT, Queensland Museum and Parks and Wildlife over the last 8 years in the study of the taxonomy of antechinus, which he describes as charismatic, cute, furry animals. Their taxonomy is complex and uncertain with the number of species increasing from ten to 15 in recent years. Both Dusky Antechinus, *Antechinus swainsonii*, and Tasman Peninsula Dusky Antechinus, *Anthecinus vandycki*, are restricted to Tasmania while the Black-tailed Antechinus, *A. arktos* and Silver-headed Antechinus, *A. argentus* are restricted by altitude and have been listed federally as endangered.

The Silver-headed Antechinus is only known in three locations in Queensland. Specimens will be sought in new locations for this genetically fragmented species. Antechinus eat insects and spiders, small mammals, birds and lizards. In an extraordinary breeding cycle, all male antechinus die out every year in a mating frenzy, their systems flooded with adrenaline and cortisol, so there are no overlapping generations. Males can be

kept longer in captivity but are sterile. Most female antechinus die before breeding a second time following an exhausting 2 week period of promiscuous mating then pressure to lactate heavily. Breeding occurs between May and September depending on location in Australia and between four and 14 young are born but many are supernumerary, each needing a nipple to attach to. The best method of detection appears to be a combination of use of detection dogs, along with Elliott and camera traps.

The detection dogs are provided by Canines for Wildlife and are Springer Spaniels, as used to locate Eastern Bristlebirds in the Scenic Rim. Their sense of smell is 40,000 times stronger than humans. This was demonstrated with a scented bag that could be found by the dog after four weeks, a hair could be found after 6 weeks and scats after 5 ½ months. They carry GPS devices on their collars so handlers can track where the dogs have been. Care must be taken using dogs after 1080 poisoning, especially after bushfires when 1080 is frequently spread.

Future research might replace peanut butter bait in Elliot Boxes and camera traps with pheromones of specific species. Another project will explore the genes of an eleven month old antechinus and compare them with two weeks later when dead. It is also hoped a mobile phone app can be developed with photos of the feet of the antechinus which are their distinguishing feature. There are worrying trends such as the massive drop in populations of antechinus noticed in 2019 at Springbrook. It is feared that there may have been a tenfold loss of all mammals in the recent (current) drought and crashes in invertebrate populations are likely to be affecting antechinus populations.





Dr Peter Woodall moved a vote of thanks to the speaker. Peter thanked Andrew for a wonderful and enthralling talk, in which we learned about antechinus up and down the East coast (especially in our region) and found out how we can find them using our "oldest friend". The talk highlighted concerns about extinction if sufficient care is not taken rapidly.

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. If you are not sure about the currency of your subscription, you can check with the Treasurer. Any members not financial for 2020/21 have automatically been removed from the mailing lists for QNC News and the Queensland Naturalists' Journal as from 31 December 2020.

General Information

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.

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

Facebook

Follow our Facebook page for titbits 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.

Library Cupboard

The library catalogue can be found on the QNC website at http://www.qnc.org.au/Library/QNC Library Catalogue.pdf

Latest on COVID-19

Please see the website below for the latest information (accessed 1 March 2021)

Roadmap to easing restrictions

In Brief:

COVID guidelines for meetings

- Please register for all meetings by email to meetings@qnc.org.au or phone Mike on 0434 148 170
- 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.

COVID guidelines for excursions

- Please register for all excursions by email to excursion@qnc.org.au or phone Barney on 07 3720 9414
- Up to 100 people can gather in outdoor public spaces (as at 1 March 2021)

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.

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.

COMING UP

Monday 15 March 2021

Speaker: Dr Richard Noske

Topic: The breeding seasons of eucalypts and honeyeaters in the Brisbane region

Summary:

Despite the ubiquity, overwhelming dominance and ecological importance of eucalypts in Australia's sclerophyll forests, there have been almost no quantitative studies of their flowering phenology in SE Queensland. Bee-keepers are among the few people with an interest in this topic, for obvious reasons. This talk combines the observations of apiarists with my long-term study of flowering times. As honeyeaters are pollinators of eucalypt species, I will also discuss the foraging ecology and breeding seasons of honeyeaters, about which surprisingly little is known.

Biosketch:

Dr Richard Noske obtained his PhD from the University of New England and then was Senior Lecturer in Biology at Charles Darwin University (CDU) in Darwin, Northern Territory, for 26 years. In addition to three books and many book chapters and non-refereed articles, Richard has authored or co-authored 120 scientific journal papers, mostly concerning the birds of Australia and Indonesia. He has played editorial roles for four scientific journals, including Chief Editor of the Indonesian bird journal Kukila for almost two decades.

After moving to Brisbane in 2010, he served as President of Birds Queensland from 2012 to 2016, and currently sits on committees for the Bird Education Group and Protect the Bush Alliance.

Monday 19 April 2021

Speaker: Dr Vivian Sandoval

Topic: The Unseen World inside Fungi

Summary: Have you ever thought about what kind of organisms can live inside the bracket fungi growing in the old stump in your backyard? Or in the mushrooms that suddenly emerged on your lawn after the rain?



Many groups of insects and other arthropods have a close association to fungi, being in some cases obligatory fungal inhabitants (mycetobionts) using fungi as their shelter, place of oviposition and food. As their food source sometimes is restricted or ephemeral, these organisms have developed different adaptations to colonize and use these resources. But what is the importance of this interaction for us and the environment?

Dr Vivian Sandoval has been studying and collecting mycetobiont insects and their host fungi for more than ten years in Brazil, Colombia and Australia and will be sharing stories of these fascinating creatures, with a special attention to beetles that can call fungi "home". She will also talk about the collecting and rearing techniques, and how to contribute to her research project.

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.

A WORD FROM BARNEY – EXCURSIONS SECRETARY

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 in leading an excursion, contact Barney by email excursion@qnc.org.au or telephone: 07 3720 9414.

EXCURSION SIGN-ON SHEETS

QNC asks all people who attend excursions to sign an Attendance Sheet. This is part of the current COVID Safe arrangements and 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.

EXCURSIONS COMING UP

March 6 (Saturday): Goomburra, Main Range National Park

Date: 6 March 2021

Leaders: Chris Burwell and Rob Hobson

Phone: Chris 0425 396 444 or Rob 0429 225 217 **Meeting location:** Manna Gum Camping Area

Meeting time: 8:30 am

Register: by email to excursion@qnc.org.au with Goomburra in the subject line. Please include names of all attendees and a contact number for COVID-19 contact tracing.

Details: This outing will have a focus on dragonflies and damselflies. Goomburra has a diverse fauna of stream-inhabiting species and weather permitting we will search along creeks in both open forest and rainforest. All three species of spectacular blue and black rockmaster damselflies (species of Diphlebia) occur in the area as do both species of large, secretive needles (damselflies in the genus Synlestes). Bring along your cameras as it will be a great opportunity to capture images of some species that are infrequently encountered in south-eastern Queensland. Binoculars are also strongly recommended, which can also be used for birding; the area has an excellent mixture of open forest and rainforest species.

Chris will also have copies for sale of the new publication "Dragonflies and Damselflies of the Gold Coast" by Damien White, Narelle Power and Chris Burwell. Please bring \$15 dollars along if you wish a copy. It will certainly make identification easier. For more information see:

https://books.google.com.au/books/about/Dragonflies and Damselflies of the Gold.html?id=P1wczgEAC AAJ&redir_esc=y

For the outing members should bring lunch and water. The day will finish around 3pm.

Members are welcome to stay in the camping ground if they wish, but do so independently of the excursion per se. Permits for camping need to be obtained from national parks.

See https://parks.des.qld.gov.au/parks/main-range/camping/manna-gum for more information on booking a campsite.

Directions:

From the Cunningham Highway turn off at Gladfield, 25km west of Cunninghams Gap or 13km east of the Cunningham and New England highway junction, and travel 8km to join Inverramsay Road, then follow Inverramsay Road, and Forestry Reserve Road to the park entrance. Allow approximately 2.5 hours travel time from the Brisbane CBD.

Meet at the camp ground at the very end of the access road before the entry into the park. Note that there may not be mobile phone coverage within the National Park.

March 21 (Sunday): Mt Mellum day excursion

Date and time: 08:30 on 21 March

Leaders: Ian and Chrissie McMaster, Barney Hines and Gretchen Evans

Phone: lan 0419 476 980

Directions: NB the GPS won't get you there! Please follow instructions from the owners (below). The travel

time from Brisbane CBD is ~ 1 hour and 20 minutes

Register: by email to excursion@qnc.org.au with Mt Mellum in the subject line. Please include names of all attendees and a contact number for COVID-19 contact tracing.

Details:

This excursion will take place on the private property of Ian and Chrissie McMaster, which includes a 100ha Nature Refuge on the western side of Mount Mellum. The terrain varies from flat to very steep, with sandstone cliffs and waterfalls in the deeper gullies, so there are plenty of options to test enthusiastic explorers of nature.

About 80% of the property is natural bushland, on a variety of different soils, with black basalt derived soils on the mountain, sandstones on the western and northern slopes, and alluvial silts derived from both soils in the creek systems further down. These soils support a mix of subtropical lowland rainforest, wet sclerophyll dominated by flooded gums, and drier sclerophyll dominated by blackbutt and tallowwood. The varied soils and aspects mean there are lots of different plants, with about 500 species recorded here. Consequently, many different birds are seen here, along with the usual range of mammals and reptiles. Of particular interest are a significant number of old growth eucalypts with big hollows that host a population of greater gliders.

Note that some of the outing will involve traversing steep slopes and in some places scree. However, there are options for those less able. The owners can provide lists of plant, birds, and pretty much anything else - except fungi. Members will have to ask Gretchen for advice on that one! Please bring some food for the day and water.

Directions:

From Brisbane:

- Come up Steve Irwin Way to Landsborough then after you cross the railway line take the Maleny road
- At the first roundabout, turn left into Gympie St. South
- Then take the first right into Lower Mt Mellum Rd
- Go up the hill for about 4km, then take the first turn left into Mt Mellum Road
- Follow Mt Mellum Road to the end (2km). When the bitumen ends, there is a turning circle with mailboxes, and a track to the left of the mailboxes. Take that track. The road ends at our front gate, and it is another 200m down the driveway to the house.

Easter Camp April 2 (Fri) to 6 (Tues) 'Utopia', Boompa, near Mt Walsh NP

Date: 2-6 April 2021 **Leader:** Barney Hines

Phone: Barney 0420 351 801

Register: by email to excursion@qnc.org.au with Easter Camp in the subject line. Please include names of all attendees and a contact number for COVID-19 contact tracing. Directions will be provided upon registration.

This camp is limited to 40 attendees. Please register early to avoid disappointment.

The QNC has visited Utopia twice previously, in May 2008 and in June 2012. By all accounts it is worthy of another visit. It will be my first visit to the property – so I might be guided by others. Tony and Fiona Baylis will again be our hosts.

The property offers an interesting range of habitat – dry rainforest, open forests, streams, and several large dams. Adjoining the property to the west is the impressive Mount Walsh massif with its steep open slopes and rock outcrops. We plan to have at least one day trip into the National Park, one of which will be to a stream which flows through some rocky cascades. Hopefully we will get some good rains prior to the camp to see these at their best.

The campsite will be the same as used previously, a lovely flat area with ample room for tents and camper trailers, and easily accessible by 2WD vehicles. There is a flushing toilet on site, but this will be complemented by club pit toilets due to the numbers of attendees. There is also limited accommodation with showers and toilets available – if you are interested contact the leader to discuss. The cost for campers will be \$7 per person per night, plus the usual \$2 for the QNC. Tank water is available, but people are encouraged to bring their own drinking water. People wishing to avoid Easter traffic are welcome to arrive on the Thursday or to stay an extra night, but please indicate this when registering. Mobile phone reception may not be available at the campsite. All attendees are responsible for taking their rubbish home with them.

April 21 (Saturday): JC Trotter Memorial Park

Date and time: 08:30 on 24 April

Leader: Susan Nelles

Contact: 0487 202101 zefarella@icloud.com

Directions: JC Trotter Memorial Park, Cherbon St., Burbank. Drive approximately 700m along Cherbon St to

the entrance on the left, then park along the road.

Register: by email to excursion@qnc.org.au with JC Trotter Park in the subject line. Please include names of all attendees and a contact number for COVID-19 contact tracing.

Details: This is a beautiful, varied forest, 82 hectares, so come and enjoy the partly shaded track, all fairly easy walking, mostly flat, on gravel or sand. Full loop is about 3.5 km. We'll meander along to the Tingalpa Reservoir, whose water level has dropped significantly in recent years and look at the regrowth of native plants and weeds. There can be great birding - swans, pelicans, water birds, raptors etc. Insects abound especially dragonflies, interesting fungi seasonally, and koalas, wallabies at times. It is botanically rich and diverse, with many Myrtaceae, Allocasuarina, Xanthorrhoea, pea flowers, sedges, grasses etc. The local U3A botany group has a plant list of 172 species, which will be available to those who attend.

Please bring a chair, all drinking water, and morning tea and lunch. Bring your morning tea to carry. We will likely return to the carpark area for lunch, which will be at an area with some covered tables and benches, located about a 5-10 min walk from the car park. No toilets, nearest at a Caltex petrol station. Bring your hat, sunscreen, binoculars. Unwanted insects are rarely a problem.

May: Date Claimers

May Long Weekend - Friday April 30 to Monday 3 May 2021.

Location to be decided - please check the QNC website closer to the date for further details

May 14, 15 and 16, 2021 Cooloola BioBlitz

Judy Haines is coordinating QNC participation – more details to come. For more information on the 2021 Cooloola BioBlitz here is the website

https://www.cooloolacoastcare.org.au/projects/bioblitz.

EXCURSION REPORTS

January 23 (Saturday) to January 26 (Tuesday) Foxbar Falls Base Camp

Foxbar Falls is a relatively new private camping area in the beautiful Granite Belt. About 50 QNC members attended the Foxbar Falls Base Camp coordinated by Greg and Annie Neill. Observation lists (flora, birds, frogs, dragonfly, mammals and reptiles) from the excursion should be on the club website shortly https://www.qnc.org.au/lists/excursion_sightings.htm.

Of note, we recorded 53 species of birds on iNaturalist including new sightings for the area of a nesting pair of Olive-backed Oriels and chicks. The plant list was collated by Fasney McPhee and a number of members contributed to the sightings including Dick Copeland, Ron Carr and Tony Bean. Tony commented 'I don't think we found any super-rare plants on this camp, but lots of beautiful or interesting ones'. We all enjoyed seeing the Wallangarra White Gums (*E. scaparia*) on Mt Ferguson. The Fauna List was compiled by Murray Watson mostly by contributions at the nightly campfire day's round up.

On the Sunday we enjoyed a visit to Amiens arranged by Peter and Lynette Hazelgrove. Alex Harslett from the Amiens History Association provided us with an interesting history of the Amiens Legacy Centre which is the site of a memorial to the Pikedale Soldier Settlers from WW1. The Centre was built by volunteers of the Amiens History Assn. on the site of the original rail terminus at Amiens. The centre features a lovingly restored 1909 Qld Rail carriage located where Edward, HRH Prince of Wales alighted in 1920 to meet the settlers and open the branch line established to transport their produce to markets.

Included here are some photos taken on the excursion, in no particular order. We have also included three beautiful and intricate sketches of a katydid, feathers and gum leaves from new member Dion Fowler (reproduced with permission). Thank-you Dion for reminding us that there are many ways in which to appreciate the natural world. We thank all members for making the weekend so enjoyable.



View from top Sow & Pigs Rock



QNC members in the field



Botany Bay Diamond Weevil Chrysolopus spectabilis



Murray on the lookout



Peron's Tree Frog Llitoria peronii



Tony collecting



32-Spotted Katydid *Ephippitytha trigintiduoguttata*



Dick Date examining Acacia Sp



Narrow-leafed Isotoma *Lithotoma anethifolia* with a Lobelia sp



Measuring Eucalyptus prava (diameter 1.3m)



Orange Antlion Callistoleon erythrocephalus



QNC members on Mt Ferguson



Australian Emperor Anax papuensis

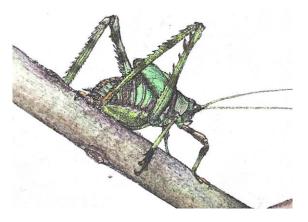


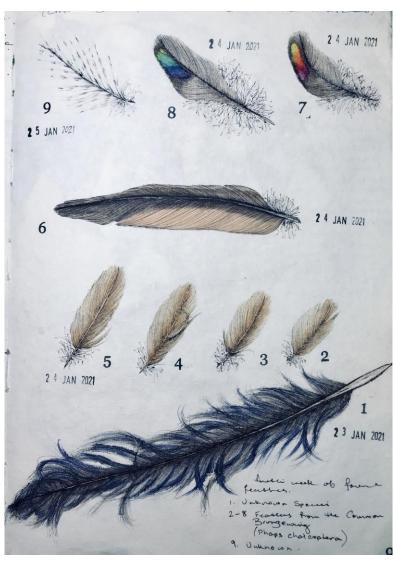
Great views

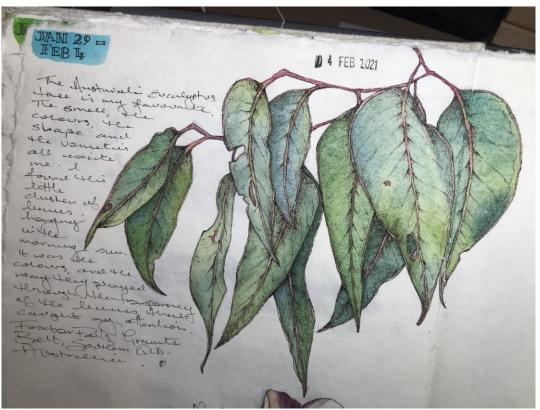


Swamp Wallaby Wallabia bicolor

Drawings by Dion Fowler. Thanks Dion!







ITEMS OF INTEREST

AUSTRALIA DAY AWARD TO MRS SHERYL BACKHOUSE

QNC warmly congratulates Mrs Sheryl Backhouse OAM who was a 2021 recipient of a Medal in the General Division (OAM) for services to the sub-tropical fruit growing industry and to the community. Please find attached a link to an article in the Queensland Country Life.

https://www.queenslandcountrylife.com.au/story/7100091/oam-awarded-for-service-to-agriculture-and-community/.

Also thanks to Sheryl for sharing this article on a Giant Wood Moth spotted at Camp Mountain https://www.dailymail.co.uk/news/article-9293347/Giant-wood-moth-Camp-Mountain-Brisbane.html

AUTUMN NATIVE PLANT SALE, SATURDAY 10 APRIL

The Autumn Native Plant Sale will be held in the Tom Petrie Room, at the Strathpine Community Centre, 199 Gympie Road, Strathpine. The QNC anticipates being allocated a stall for book sales, book orders, and for promotion of club activities and membership. Volunteers will be needed to set up the stall on Friday 9 April, and to operate the stall on Saturday 10 April. If you are interested in helping with this, please email web@qnc.org.au, and include the topic, your name and mobile number.

COOLOOLA BIOBLITZ – 14, 15 AND 16 MAY 2021

A BioBlitz is an intense period of biological surveying in an attempt to record all the living species within a designated area. Groups of scientists, naturalists and volunteers conduct an intensive field study over a continuous time period. For more information on the 2021 Cooloola BioBlitz here is the website https://www.cooloolacoastcare.org.au/projects/bioblitz

NATURE NOTES

The specimen below was collected at the foot of Mt Ferguson (Foxbar Falls excursion) and sparked a lot of discussion about its possible origins. Greg Neill undertook to deposit it with the Qld Museum and possibly have the source identified. Unfortunately at the time, the Museum did not have anyone on staff to provide an answer. The specimen was re-collected and hopefully is now at the Moggill office of the Department of Environment & Science where someone might be able to provide a clue to its origins. The consensus of the group at the camp was possibly a Powerful Owl. If so that would be a new bird species for the area.



ANNUAL MEMBERSHIP SUBSCRIPTIONS

DUE 1 st JULY Subscription Type (please tick)								
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