

Magill Sunrise  
**Rotary**  
Club



## Lindsay's Lobs

### Welcome & Apologies

**VOLUME 26/ ISSUE 07**  
**1,192/ 06 SEPT 2022**

Apologies were received from Ian and Suneth.

**Guests:** Ron Sinclair – Welcome to our club.

### Next Club Meeting

**7:00 am, 13 SEPTEMBER 2022**

Heccies, 31 Fisher Street, Magill  
Club contact: Lindsay Davis - 0415 453 101



**Guest Speakers: PETER MACAULAY & RICK CALDWELL**  
**The European Adventure**



Earlier this year Peter and Rick set off on a three month adventure throughout the UK and Europe. During their time away they sent back frequent reports and updates of their experiences which were put into the bulletin under the heading "Gallopig Globetrotters" Next week you can hear them talk about their thoughts and recollections on the places they visited, and you will have the opportunity to ask them questions.



### President's Report

What an amazing day at our **FREE BBQ at Magill Village**. This was our first real opportunity to engage with the local traders and community – and it's fair to say we were well received. It was intended to be a celebration of the community's support for Magill Village traders over recent months - and start to look at how good the end result will be. It turned out to also be a chance for the community to show their support for Rotary and our BBQ.

Many were suspicious about a free BBQ, but, delighted to learn that service clubs often do things for their community without expecting anything in return. Also, many were committed to pay or make a donation to Rotary for our community support. The end result was, we 'sold' 19kgs sausages and 11 loaves of bread – and we collected **\$523.12** on a day when everything was free!!!

The Lead Construction Contractor, Camco provided tremendous assistance in organising this event, with support from both Campbelltown and Burnside councils.



But a special thanks to all our members (and Siony) for spending time to serve the community and make our club highly visible at Magill Village, meet with the Mayors of Campbelltown and Burnside and to see a number of traders.



Over the past few weeks our club members have then 'hit the road'. Firstly, there were quite a few attending the **Rotary Club of Campbelltown club meeting** to hear a presentation on Rotary's proposed 'Regionalisation Project'. We then had a really good turnout (and a lot of food and fun) at the City of Campbelltown's **Combined Service Club Dinner**.

Next up, we look forward to seeing everyone at the **Magill Sunrise Market** this weekend. Our market will help raise much needed funds via a special Kytons/Kickstart for Kids lamington drive. **Kytons** is a SA owned family bakery that is famous for their delicious fluffy lamingtons. Profits from every pack sold will support **KickStart for Kids**, allowing them to purchase products for their school breakfast and lunch programs, as well as sanitary items as part of their KickStart for Kids Against Period Poverty campaign. There's nothing like eating lamingtons for a good cause!

Cheers,  
*Lindsay*

## ROTARY DISTRICT 9510

### AFL Tipping Competition

What an **AMAZING** season. There were so many surprise results, fade-outs, major disappointments, late surges, bad luck – and that was amongst the tippers.

Unfortunately for many tippers, picking winners remained a mystery throughout the entire season. However, many still won prizes although this is definitely not a competition for serious punters.

For the record – our club can claim 1<sup>st</sup> place courtesy of Matthew Davis (and say thanks for his donation of \$135 in prize money going to The Rotary Foundation). We also had Carol Davis in 5<sup>th</sup> place; Mark Thompson in 26<sup>th</sup> place; Lindsay Davis in 31<sup>st</sup> place; Greg Schuetze in 34<sup>th</sup> place; Simon Brewer & Graham Holcroft placed just in front of the legendary 'Eddydog' Davis (who's \$20 of winnings will also go to the Rotary Foundation).

So, the big winner again was **The Australian Rotary Foundation** to help continue its work on improving communities and lives everywhere.

Thanks to club members who participated. We hope you had some **FUN**– and trust we will **SEE YOU BACK NEXT YEAR.**



## FIRST AID TRAINING COURSE

**Magill Sunrise Rotary** have booked a session for the flagship St John Ambulance 'Provide First Aid' course.

Do you or your friends want skills "to confidently manage emergency situations and/or provide a first aid response to a casualty"?

If so, we still have a few vacancies on the course. Details are below.

Date: Sunday 25th September 2022  
Time: 9:00am to (approx.) 4:00pm  
Venue: Hectorville Sports Club, 31 Fisher Street, Magill  
Other: Tea, coffee and lunch provided  
Cost: \$90.00 per participant

Please contact President Lindsay to register on 0439 882 955.


## Guest Speaker: **RON SINCLAIR**



When mutual friends of Mark Thompson told him about their walking tour of The Gums, hosted by Ron Sinclair and focusing on the various forms of fungi, Mark thought sounds different, so why not approach Ron to speak at the club. As it turned out Mark had met Ron 40 years ago when respective children attended Stradbroke Primary.

To say that we were blown away by Ron's presentation would be an overstatement, but to say that we were pleasantly surprised by it wouldn't go far enough. Ron has spent a working life time on scientific research and for the last 25 years has been involved in an ongoing study on the effects of the calicivirus a group of rabbits near Rosedale.

Ron's interest in fungi at The Gums began with walking his little dog Prinny at the gums and noticing many forms of mushrooms and fungi. Not being able to identify many, Ron decided to send photos to iNaturalist (google it) and so far, he has been able to identify 70 of the 250 fungi found at The Gums. Yes! That's not a typo, 250 found at The Gums.

Fungi do not photosynthesize and must obtain their energy from another source. There are 3 types of fungi; those that send out tendrils, seeking other plants  seeking a symbiotic exchange, others that sit on dead material, and others that are parasites and eat other fungi and animals. We learned of a fungi that penetrates the brains of living ants and then directs that ants to a preferred location and then feed on the zombie ant.

Ron told us that there is little point in using trees for carbon sequestration without fungi because they are essential in the process. There are many uses for fungi; even cleaning up nuclear waste. We were amused to learn that a specific fungi feeds only on dogie doo while another fungi only feeds on cat scat. The Aboriginal used specific fungi that would only smoulder and could be used to carry their fire starter from camp to camp.



**Ron says that Gums is the only reserve that he has found with extensive biodiversity with 6 varieties of fungi found only at The Gums.**

Ron tells that by manicuring the grasses and cutting it too low is actually putting the red gums at risk. The mower blades are taking off the tops of the roots and exposing them to the risk of invasion from parasitic insects, plants and fungi. Apparently there is a communication breakdown between City of Campbelltown admin and those who charged with care of parks and gardens. Another problem is cutting park grasses to the calendar rather than the weather conditions. Getting trucks bogged at The Gums (fact) is not ideal.

Hey! We have a gem at **The Gums** and we need to give it the care it deserves.

*Mark T*

This morning Ron was talking about Zombie Ants and I thought you would be interested in knowing more about them. *Editor.*

### **ZOMBIE ANTS: meet the parasitic fungi that take control of living insects.**

By **Gino Brignoli**

PhD Researcher in Tropical Ecology at the Institute of Zoology and, UCL

In the understorey of a tropical forest, a carpenter ant has descended from the canopy away from her regular foraging trails and staggers drunkenly along a branch. Her movements are jerky and conspicuous. She twitchily moves forwards and suddenly starts convulsing with such ferocity that she falls from the branch onto the ground before resuming her erratic, zig zagging path. This is a "zombie ant", and she's unwittingly become part of the lifecycle of a parasitic fungus commonly known as Cordyceps.

Around noon, after several hours of climbing and aimless lurching, the ant is now no more than about 25cm above the ground, crawling aimlessly on the underside of a sapling leaf where, without warning, she forcefully sinks her powerful jaws into one of the leaf's veins, gripping it firmly between her tightly locked mandibles.

Within six hours, she is dead. After two days, white hairs bristle from between her joints and a few days later these have become a thick, brown mat covering the whole insect. A pinkish-white stalk starts to erupt from the base of the ant's head and continues to grow. Within two weeks it has reached twice the length of the ant's body reaching down towards the ground below.

Finally, the stalk will release its spores into the air, ready to float off and infect more unsuspecting ants.

[Cordyceps growing out of an ants head \(Source: BBC/Giphy\)](#)

This bizarre behaviour was first recorded by Alfred Russell Wallace in Indonesia in 1859, but was not researched in much detail until quite recently. It has since been discovered that the fungus disrupts the





normal behaviour of the ant through chemical interference in the brain, causing the infected ant to behave in ways that will improve the opportunities for the fungus to spread its spores and so reproduce.

The fungus grows throughout the body cavity of the ant, using internal organs as food while the ant's strong exoskeleton serves as a kind of capsule, protecting the fungus from drying out, being eaten, or further infection.

### Fending off the fungi

The earliest known record of a fungus visibly parasitising an insect dates from about 105M years ago. It is a male scale insect, preserved in amber, with two fungal stalks projecting from its head. But this fossil cannot tell us if the infected insect's regular behaviour was changed or disrupted in any way.

Definitive evidence of "zombie-ant" behaviour, dating to around 48m years ago, comes from fossilised leaves that show the distinct markings on either side of leaf veins left by the lock-jawed mandibles of infected ants. Not only is this association between ant and fungus evidently ancient, it is also very common – about 1,000 species of fungal parasites of insects have been discovered so far.

In this age-old struggle for survival the ants have developed adaptations to protect themselves and their nests from fungal infections. By grooming themselves and socially cleaning each other (allogrooming) they remove potentially harmful spores before they can penetrate the skin and take hold. Some ants spray poison in their nests to act as fungicides and if that fails to stop an infestation, they partition their nests by sealing off contaminated chambers.

In some cases infected individuals are carried out of the nest by healthy workers, and as a last resort the entire colony relocates, abandoning their infected nest.

The fungal pathogens have evolved to become either strictly species-specific or more generalist in their choice of insect host, with some able to infect hundreds of different species. This astonishing variety of fungal pathogens and potential hosts has created some peculiar behaviour in insects as they have co-evolved to cope with the tactics of the fungi.

It is sometimes difficult to know what behaviour is entirely involuntary and driven by the fungus to improve its own reproductive success, and what has evolved as a form of defence against the infection. For example, when the ant host climbs to an elevated position in what is known as "summit disease", this behaviour increases the area over which spores can spread through wind dispersal – but it also removes the ant from close proximity to its relatives in the colony, preventing the spread of infection to its sisters.

It is unclear if this behaviour is a zombie state caused by the fungus or if it is an altruistic act of self-sacrifice by the ant. If it is a deliberate act by the ant, it might be saving the rest of the colony from succumbing to the infection in what is sometimes called "adaptive suicide".

Zombie-like behaviour in insects is also caused by many other types of parasites including bacteria and even other invertebrates. This raises fascinating questions about the nature of any organism's true independence in what are undoubtedly highly complex interrelated living systems. Zombie-ants provide us with a glimpse into this intricately tangled web of molecular influences and behavioural adaptations. It leads us to wonder who, ultimately, controls whom?



## RCMS MONTHLY MARKET SUNDAY 11 SEPTEMBER 2022

Preliminary Market setup for members Saturday 10 SEPTEMBER at 2.00pm

Please let Greg know if you are unable to make your shift.

### First Shift Including Set Up 0700-1100

Robyn	Stall Allocation	
Graham	Cook	Sausages and Onion
Simon	Cook	Bacon & Egg S/W - Zucchini Fritters
Peter	Cook	Donuts
Ian	Orders	
Colin	Safety Check List	
Colin	Serve (If required)	
Siony	Serve 10am-12noon	
Meryl	Serve 9.00am -11am	
Robyn/Greg	Float (If required)	
Rick	Assisting with Donuts	
John and Concordia	Welcome/Rotary Table	

### Second Shift including Pack Up 1100-1500

Mark	Cook	Sausages and Onion
Greg	Cook	Bacon & Egg S/W - Zucchini Fritters
Don	Cook	Donuts
Simon	Assisting with donuts	
Lindsay	Orders	
Robyn	Serve	
Melissa	Serve	
Anne/Pauline	Welcome/Rotary Table	
Float (If required)	Graham/Colin	
Ian	Collect Stallholders' Money	

**Beverages and Nibbles: September – Peter & Rick**  
(1 x carton beer, 2 x bubbles & nibbles)

**Cleaning aprons and towels: September - Simon**

## COMBINED SERVICES CLUB DINNER

Mayor Jill Whittaker hosted the annual Combined Services Club Dinner on the 30<sup>th</sup> August at the Campbelltown Function Centre. It was an evening for all the service clubs that work tirelessly in the Campbelltown Council area to get together, socialise and have a chin wag. Guest speaker for the evening was Greg Mackie, the CEO of the History Trust of South Australia, who discussed the place of history and culture as foundations of our society and the importance of the performing arts in his speech.





### VOTING ON ZONE 8 REGIONALISATION PILOT

At our Club meeting on Tuesday 13<sup>th</sup> September 2022, club members will be asked to vote on the following proposal. Voting will be via a show of hands.

***"This club approves participation in a pilot to develop, test and evaluate a new regional approach to supporting and governing Rotary and Rotaract clubs and members in Zone 8 from July 2023 to June 2026." Yes or No***

As President, I will then register a vote on behalf of the club to reflect the views of the majority of our members.

Whilst this is an important matter in terms of its potential impact on Rotary in our region, I do not wish to have a detailed discussion on the proposal at club meetings. Accordingly, I encourage members to use the published material to inform themselves; speak with members who attended the recent presentation at the Campbelltown Rotary Club meeting; or contact me.

Some of the available details are shown below.

The Regionalisation pilot is proposed to explore, develop and test new ways of operating Rotary and Rotaract in our part of the world. It has the stated aim of addressing membership, public image, communication and fundraising challenges – to ensure our organisation thrives long into the future.

A Regionalisation vote fact sheet is available at [creatingtomorrowrotary.org](https://creatingtomorrowrotary.org). There is also a summary of the most frequently asked questions on this site.

Alternatively, you can view the latest 9:15 minute video at <https://vimeo.com/737422555>



### OPERATION FLINDERS



Year 10 Charles Campbell students receiving their Certificates of Achievement on the 5<sup>th</sup> Sept.





## Upcoming Events

Saturday 10 September

**MARKET SET UP at 2PM**

Sunday 11 September

**RCMS MONTHLY MARKET**

Campbelltown Memorial Oval 8.30am -2.00pm

Sunday 25 September

**ST JOHN'S FIRST AID TRAINING**

Hectorville Sporting Club. Time: 9.00am

Wednesday 28 September

**BOARD MEETING**

Venue to be advised. 6.30pm

Friday 30 September

**CLUB SUBS DUE**

October 28-30

**ZONE 8 CONFERENCE CANBERRA**

National Convention Centre Canberra



**JACKPOT**  
Next week

**\$80.00**





**Ice Breaker:** This morning's Ice Breaker was to provide a bit of fun



**If you had the chance to be invisible for a day, what would you get up to?**

Lindsay did remind everyone that as Rotarians we should use our day for doing good. What a spoil sport! Personally, I think that bit of advice fell on deaf ears.

Greg thought it would enable him to spend the day at the Penfold's Winery drinking Grange Hermitage.

Rick thought he could spend the day tripping up Donald Trump.

Mark thought it would be fun to go to a Port Power game and change the players around on the board at three quarter time.

One thought it could be fun to spook people by moving things around and, Lindsay, the one who said to do something good, decided it was an opportunity to go to a **good** restaurant, for some **good** food and wine

### PRESIDENTIAL DAD JOKE



### Quiz Question:

A skyscraper is defined as a continuously habitable high-rise building that has over 40 floors and is taller than approximately 150 m (492 ft).

Historically, the term first referred to buildings with 10 to 20 floors in the 1880s.

Your question is: **In which city in the world would you find the most skyscrapers?**

Answer: **HONG KONG**



### Skyscraper Day

The **3rd of September** was chosen for Skyscraper Day to commemorate the first master architect of high-rise buildings, **Louis Sullivan**, who was born in Boston on the 3<sup>rd</sup> of September, 1856.



**Rotary**  
District 9510

**Paul Thomas AM (Kathryn)**  
2022 - 2023  
District Governor  
Rotary Club Northern Yorke Peninsula

**IMAGINE ROTARY**

**District 9510**  
Encompasses most of South Australia,  
Sunraysia, Alice Springs and Broken Hill.

**President**  
Lindsay Davis

**Secretary**  
Colin Hill



*In the spirit of reconciliation,  
the Rotary Club of Magill  
Sunrise acknowledges the  
Traditional Owners of the land  
where we serve the community,  
the Kurna people of Tandanya,  
and we pay our respects to  
their Elders past and present.*



[www.magillrotary.org.au](http://www.magillrotary.org.au)



[www.facebook.com/rotarymagill](http://www.facebook.com/rotarymagill)



[magill@rotaryclub.org.au](mailto:magill@rotaryclub.org.au)

## Meetings for Makeups

Please check with the club before attending

### Monday

Campbelltown: 0407 724 699

6.30pm - San Giorgio Club, Henry St, Payneham

### Tuesday

St Peters: 0428 246 352

6.15pm - Kensi Hotel, 23 Regent St, Kensington

Kent Town: 0433 387 082

6.30pm - Lord Melbourne Hotel, 63 Melbourne St, North Adelaide

### Wednesdays

Eastwood: 0416 367 289

7.15am - 1<sup>st</sup> & 3<sup>rd</sup> Wednesday

Adelaide Royal Coach, 24 Dequetteville Tce, Kent Town

2<sup>nd</sup> & 4<sup>th</sup> Wednesdays

Bocelli Café, Hutt St, Adelaide

Norwood: 0412 305 660

6.30pm - 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> Wednesdays

Kensi Hotel, 23 Regent St, Kensington

Burnside: 0401 627 339

6:30pm - 2<sup>nd</sup> & 4<sup>th</sup> Wednesdays

Kensi Hotel, 23 Regent St, Kensington

Morialta: 0497 159 737

6.30pm - Tower Hotel, Cnr St Bernards & Magill Rds, Magill

