

The Official Newsletter of the Shire Woodworking Club Inc | Reg No Y2889524 | ABN 15 974 163 667

🏠 “The Workshop” - 2B Turriell Bay Road, Lilli Pilli NSW 2229

📞 Workshop: 02 9145 0308 Mob 0490 861 606 Membership: 0414 538 475

Editor: 0408 240 514

## NEWSLETTER HIGHLIGHTS



The April **Maxi Day** will be held on 20 April, this is a week later than normal (the Gallery will be holding a sale as the By-election for the Federal seat of Cook will be held on 13 April and the school next door to the workshop is a polling station and it is expected that voters attending the polling station will be attracted to our sale)



The regular monthly **Toy Making day** has been brought forward by 1 week to 18 April (the usual Toy Making day is Anzac Day and is a public holiday)



The Toy Delivery to the Children’s Hospital on 21st March was extremely well received. 360 toys were delivered to very appreciative members of the hospital. A further delivery will be made in about August this year. Many thanks to everybody who contributed. See further on.



This month we provided our presentation at both Bunnings and Gymea Tradies Expo.



In this issue we have included explanation of the safe operation of the club’s Band Saws prepared by Ian Rudd. See article.



**Tim Dodds**, winner of last year’s Plank Competition, accepting his certificate while holding his winning entry (the semi trailer kit).

Tim wasn’t able to attend last year to receive his award then. Ian finally caught up with him recently.

## Maxi Day - 20th April

8:45	Open Lilli Pilli Workshop
9:00	Monthly Meeting
9:30	Ian’s Videos
10:00	Morning Tea
10:30	Show and Tell
11:00	Guest Speaker - Activus - Pam Collocott
12:00	Lunch
1:00	Raffle Draw

## **MAXIDAY SHOW AND TELL**

### **Neil Matthews**

Last year about this time I presented at Show & Tell a 3D cutting Board. This was my 4th attempt after seeing a 10 second video on Pinterest on 3D boards. This was "simple" but difficult to make, but I eventually got it right. I was looking for another way to make these and found a better way. The pattern is the same as before and requires three contrasting hardwood timbers. You need to decide which colour timber will finish at the top of the "box" pattern. Machine the other two timbers to a nominal thickness, say 20mm. The timber chosen for the top is then machined to half the thickness, 10mm. A piece of this timber is then glued top and bottom to each of the other two pieces. Next step is to set the table saw at 600 and the edge guide to the nominal thickness of the timbers, 20mm. Cut all pieces and you finish up with trapezoidal shapes.

Next, on the table saw cut all pieces to rectangular shapes. Arrange these pieces with one colour sloping left and the other colour sloping right. Glue & clamp. When the glue is dry, set the edge guide of the table saw to the final thickness you require of the cutting board, say e.g. 22mm & cut all pieces. Now rotate all pieces so that they all are facing the same way. Rotate every second piece and you will generate the 3D pattern. If you are happy with this, glue & clamp, then final sand, oil & enjoy. If you need any info on this system, contact me.

### **Three D Cutting Boards**



The main purpose of this bell is so Ian can get your attention during meetings. Ian used the Crocodile Dundee analogy when comparing his school bell "You call that a bell? This is a BELL" I bought this bell in 2013 in St George Qld, from Barry Doonan, a retired farmer & blacksmith who had discovered the secrets of the Condamine bell and wished that the details of making this historical bell did not die out. Historic you ask? This just a "cow bell", but one that assisted in the development of outback Australia. In the early pioneering days of the last century when vast areas of land were unfenced, the bullock team was the only means of heavy transport to the newly settled areas.

### **The Condamine Bell**



Bullock bells were therefore a necessity in those times to enable the teamster to find his team after they had strayed from camp or homestead after having been unyoked over- night. The greater the carrying sound of the bell, the better it was. In these early days of the mid 1850's bullock bells were cast iron bells from England. These were known as CM bells. You could see them before you could hear them.

The most successful and popular bell was first made in Condamine Qld. in 1866 by blacksmith, C Jones. The "Bullfrog" or "Jones" bell as it was first known, became famous under its better-known title of "Condamine" bell. The first bells were made out of old pit saw or cross-cut blades riveted and brazed, and fashioned in the semi-peg-topped shape, instead of the normal bell-shape which flares outward at the rim. Jones developed a mixture of copper and brass sheets for brazing. This was adjusted and added to tune the bell to correct pitch that gave a distinctive knock. This gave the bell an audible range of 11km.

### **Ian Rudd**

At the last two toy making days members have been assembling a number of the Pencil Case trucks shown in this picture. The trucks have been a popular item for our club over the past few years and a number of these were included in the last delivery of toys to The Children's Hospital Randwick. The cabin of the truck has been slightly modified to make the assembly easier. Included with the latest batch were more pencil cases.

### **Pencil Case Trucks**



## Wooden Tricycle



## Geoff Tong

Maxiday Show and Tell

I made the wooden tricycle a few years ago for the toy competition. Upon completion I ask my little grand daughter to do a test run. She liked it so much and asked me if she can keep it. Naturally I couldn't say no. She played with it for a few months and since then it has been gathering dust in the garage. It is a sturdy toy and should last for many more years so I thought the club can make a few dollars by selling it as a preloved toy.

## Richard Cain

## Pattern Weave Board

The Pattern weave board was made from 3 different timbers; Tassie Oak, Merbau and dark hardwood.

To make this board, the measurements have to be constant. Any variation will only multiply the faults. When glueing, it is best to glue on a flat surface with an unstickable board underneath. The clamping together must be done with the same pressure all around. I'd like to thank Ian Rudd for the advice about making this board and his admission that the apprentice's board turned out better than the master's.



## Side Table

## Bob Quigley



I needed a place to put my morning cuppa on. It had to be the right height next to the lounge chair arm and long enough to fit between the lounge and window and enough room for a table lamp at the end. I had been eyeing a piece of timber against the club house wall for many months and on measurement it fitted the bill. No one seemed to want it and so it became the table top. The base was the old power pole outside the club house. It looked like rubbish. After stripping the finish off the table top I discovered it was solid Tassie Oak and the power pole some sort of Aussie hardwood. With some advice from Ray T and Ian R and a routing template for the top and Ian H to help with the ripping on the big bandsaw. The hardwood pole became the base and plinth and luckily a similar colour to the top. The table was sanded with the Merca dust free sander to 120 and beeswax was applied with 600 steel wool for a total clear natural finish per instruction from the "customer". All the measurements were rough enough is close enough.

## Model Utility vehicles

## Alan Ritchie



The children's Hospital at Randwick asked the club if we could provide some dual cab type utilities for their patients as these vehicles are very common now. . I produced several different profiles which I cut in 7 mm plywood and glued together to make a solid body with side windows and an open rear tray. The body was sanded until it was smooth. Wheels were also cut on the laser and fitted onto wooden skewers as axles to finish the vehicles. This design was the second attempt as the first one was a bit too small. I produced seven of this larger model and must thank Ken Bruncker who did all the sanding and adding the wheels to finalise the batch before delivery to the hospital. I plan to produce another batch soon.

## Small piece clamp

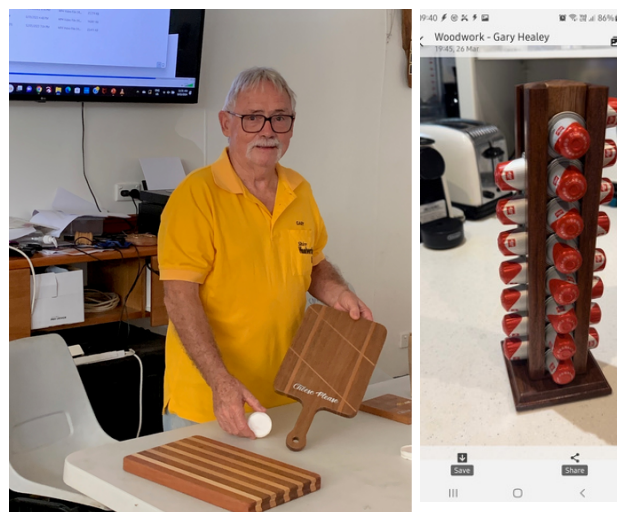
One of the Woodsmith tips we saw at a recent Maxiday video presentation was a clamp to hold small pieces of timber to be cut on a table saw. I saw a need for such a clamp for the club and decided to make one. It consists of two pieces of timber with screw knobs to lock and hold the timber stock for cutting. To use it, the clamp replaces the usual backing board of the Inca mitre gauge. The timber is placed in the clamp against the locking screw and the clamp position adjusted for the desired cut length. By using different width spacers between the timber stock and the locking screw you can cut different lengths without adjusting the position of the clamp on the mitre gauge. The clamp is suitable for cutting pieces as short as about 40 mm and keeps your hands well away from the saw blade. I have been using the clamp for a new project and it is working well. I would be happy to demonstrate the use of this clamp to anyone who is interested. The clamp is stored in the bottom drawer of the cupboard under the big table saw.

## Gary Healey

## Cheese Board & Coffee Tower

The board is made from spotted gum and Tasmanian oak and finished with several coats of Kunos oil.

The engraving "Cheese Please" done on the laser with the help of Ian. The engraving was done to a depth of about 2 mm. The infill is Norglas resin with a metallic pigment. To get the desired result I engraved the text "Cheese Please" 3 times on an off-cut of spotted gum and tried several options for the infill, acrylic paint, a resin filler and several resins using different concentrations of pigment. The final result was using a high concentration of pigment, I was concerned that the concentration was too high so after mixing the resin I left the mixture stand for 30 minutes before pouring. Hint: if bubbles appear on the surface use a propane burner and wave it across the surface, I used a hairdryer but the air flow was too high and it tends to blow the resin away.



I saw the tower at a woodworking enterprise during a trip to Canberra. I added the rotating function between the tower and the base. I purchased several brands of pods to ensure compatibility of the guide channel. Equipment used, bandsaw, table saw, router and pedestal drill. Material is maple and some hardwood scraps, I am not sure what it is. It was finished with gloss lacquer.

## David Edwards

My grandson Joshua is a law student at Wollongong University, and I made him this box for his 21st birthday. It's made from Pacific maple together with a strip of unknown hardwood just to give it some contrast. The scales of justice and gavel are of Huon Pine, and these inlays were cut using the cnc laser machine. For the inlays, it's a bit fiddly getting the right kerf offsets so that the fitting is tight and some experimentation with test cuts is a must. The inside of the box has had burgundy flocking applied, and I've found through experience that the following technique works best for me. Firstly, I mask all the areas of the box that are not to be flocked, and then seal the exposed surfaces with a spray paint similar in colour to the flocking. When the paint is completely dry, I use a spray adhesive and quickly apply the flocking which is then allowed to dry for several hours. The excess flocking is shaken off, and I then go through the process again, applying a second or even third layer to end up with a thick, smooth, and consistent application of the flocking.

## Scales of Justice and Gavel Box



## Presentation Box



The second box was made as a presentation gift and the timbers used were Coachwood (main box), Rosewood (base & liner), and Pacific Maple (top). The cnc laser machine was used for the tulip and wattle graphics (which symbolised a Dutch and Australian heritage), and for the wording. The piece of rosewood that I had for the base was too thick, so I cut it down on the bandsaw and ended up with some very thin offcuts, which I then put to good use as the liners of the box.

For both boxes, the tops and bottoms were cut a little oversize, simply glued on, and then routed to size using a pattern bit. They both have finger joints which I did on a table saw using a flat toothed blade and an indexing finger joint jig that I'd made several years ago. The flat tooth blade makes for an excellent cut with no "ears" in the kerfs resulting in a very tight and strong joint. The finish for each of the boxes was OSMO Polyx Hard Wax Oil which I use for the majority of my projects.

# TOY DELIVERY - CHILDRENS' HOSPITAL 21 MARCH

We made a further delivery of toys to the Children's Hospital on the 21st of March. Our delivery team was Ian, Malcolm, Ray T, myself and my wife Jan, who is our Newsletter co-editor. As a first time visitor I found the experience quite moving. We were met by Matt Ralph and his team of therapists. Our toys were given to the children in the Starlight Room with Captain Starlight. Refer picture attached showing all of the toys. Matt and the whole team were, once again, very appreciative and encouraged us to make more. Matt provided the following verse that provides a good feel for the value of the toys to the children and their families. Thanks to all our members who provide their time on the Thursday Toy Days.



*Most of the wooden pieces go to children who are undergoing treatment for over 18 months. The pieces are always highlights of their day. One little girl Effie, who you made the Guitar for and also her name plaque for her and her sister were so excited when they got home, that it was the first thing that they wanted to show their grandparents when they visited on the weekend. This is the difference that your club makes to the lives of the children.*



## WORKSHOP EQUIPMENT - SAFETY PRECAUTIONS

Each month we will be including a section in our Newsletter covering all the workshop equipment. Last month it was the Thicknesser and Drum Sander. This month we are covering Band Saws

### BAND SAWS.

Our club is home to three different bandsaws that allow members great flexibility when band sawing is required. The Hammer N4400 bandsaw is the largest of our saws and is fitted with a 20mm tungsten carbide tipped blade that is designed to resaw up to 310mm high planks. The Hammer has a precise blade guide design that is easy to set and maintain. The Hammer features an electronic braking system that slows the motor when powered off. When resawing, always use feather boards and push sticks.

The Laguna 14BX bandsaw is slightly smaller and nearly always is set up with a very narrow 5mm blade that is guided by a grooved Carter Guide system. This bandsaw when fitted with this blade and guide is designed to cut small precise curves. The Laguna is also capable of using wider blades for general cutting and resawing of planks. Please be aware that when using wider blades, the original ceramic guides need to be installed on the machine. The Laguna also comes with a foot brake to slow down the blade when the machine is turned off.

The Hafco Bandsaw is our original machine and is fitted with self-contained dust extraction. This band saw is normally fitted with a general purpose 6 or 8 mm blade and uses ball bearing guides above and below the table to guide the blade.

### General Safety

Always make sure the dust gates are open when using the band saw and never leave small pieces or offcuts on the table or the surrounding floor area. Fingers must be kept away from the blade when cutting. Always check the guide settings before starting the machine. The club has a policy of leaving blade tension ON on all three machines

Hafco



Laguna 14BX



Hammer N4400



### Extract from Woodworker's Journal Weekly 827 - March 2024

Last November, the Consumer Products Safety Commission (US) proposed a rule under the Consumer Product Safety Act to issue a safety standard addressing blade-contact injuries on table saws. The rule would require all table saws to "limit the depth of cut to no more than 3.5 mm" when a test probe, acting as a surrogate for a human finger, contacts the spinning blade at a rate of 1 meter per second.

## Seniors Expo at Gymea Tradies Club 23 March



Our Club Secretary Maurice Smith attended the Gymea Tradies Seniors Expo. It was well attended with lots of interest in the club. Maurice handed out lots of flyers that may produce further memberships. Ray Baywater also attended. We sold one of the Connect-4 games for cash.

He met the likely replacement for Scott Morrison, Simon Kennedy. He has agreed to continue doing our printing.

He met with Deborah Schofield, wife of the late Ray Schofield.

A lady by the name of Glynis King is the organiser for Rotary Markets at Engadine and Caringbah. She offered us a free of charge stall as a one off to showcase what we do. The markets are once a month on the first Sunday of the month. We need to decide whether we take up the offer.



## Bunnings Thursday 21st March



Gary Healey and Tony Browne attended a display of our merchandise at Bunnings on Thursday evening.

## FIND US ONLINE

**Website:** <https://shirewoodworking.com.au/>

**Facebook:** Search for [Shire Woodworking Club](#)



## PRESIDENT'S REPORT - APRIL '24

During March, a number of members have arranged to open the club on a Friday and this allows members greater flexibility when choosing to come to the club. The more we are open means our facilities and equipment are being used for the benefit of members. If you wish to come on a Friday there is a sheet at the sign in desk where you can arrange to contact other interested members. The three-person rule applies.

In March we had another successful delivery of toys and items to The Children's Hospital Randwick. Over 360 items were delivered and we were invited to the Starlight Room where we were able to see the toys distributed to a number of the patients. The cigar box guitars and the hockey games were a huge hit with both the staff and the kids. We met some of the parents of the children who expressed their appreciation of the joy they received from the Shire Woodworking Club donations. To all the members who have contributed to the toymaking efforts my sincere thanks.

The Leady Lathe that was kindly donated by Barry Gardner has now been finally installed and is now mounted on a modified bench courtesy of the handiwork of Ray Tregoning. Also, Ray has relocated the stairs to the wood mezzanine storage area opening up the valuable space underneath.

Once again, it is time to remind members that there is a plank competition this year and every entry becomes an item that the club can either donate or sell. The rules are quite simple, the item need to be a toy, or plaything or something that will amuse a youngster!

Please be safety aware when at the club. When moving around the workshop make sure that you are aware of where other members are working and please clean up around machines and benches after use.

Happy Woodworking

Ian Rudd

President

## LIBRARIAN UPDATE



If you are looking for inspiration for 2024 Plank Competition check out several books in the library. They will give you plenty of ideas. Good Luck.

We have been subscribing to the US based magazine Fine WoodWorking magazine. I have not renewed this subscription and trialling another magazine called "Australian Wood Review". I have purchased an initial copy and it is available in the Gallery for your review. I would appreciate your feed back. Roger Walsh - Club Librarian



## TOY MAKING UPDATE

### Box making

If anybody needs something to do while at the workshop, including on Toymaking Days, there is an opportunity to assemble some pencil case boxes. There are many box kits ready for assembly. They are located in an upper cupboard on the left side of the workshop kitchen. Each kit is complete in a zip top bag and is assembled by inserting the base into one side, adding a small amount of glue on the finger joints of the two box ends, fitting the two ends to the first side in the correct orientation and then fitting the second side. You need to make sure the sides and ends are fully pushed together without gaps. The top is then inserted in the slots in the sides. The finished boxes can be placed in the hospital toys tubs on the Eastern wall of the Workshop. See Treasurer Alan or President Ian for more information.

## COMEDY CORNER



My kids say they want a cat for Christmas. Normally I serve turkey, but hey, if it will make them happy.

When does a joke become a 'dad' joke?  
When it becomes apparent

I asked a supermarket employee where they kept the canned peaches. He said, "I'll see," & walked away. I asked another & he also said "I'll see," & walked away. In the end, I gave up & found them myself in Aisle C

I told my physical therapist that I broke my arm in two places. He told me to stop going to those places.

One thing no one ever talks about when it comes to being an older adult is how much time we devote to keeping a cardboard box because it is, you know, a really good box.



I re-labeled all of the jars in my wife's spice rack. I'm not in trouble yet, but the thyme is cumin



A pirate walked into a bar and the bartender said: "Hey, I haven't seen you in a while. What happened? You look terrible"

"What do you mean?" said the pirate, "I feel fine."

Bartender: "What, about the wooden leg? You didn't have that before."

Pirate: "Well, we were in a battle and I got hit with a cannon ball, but I'm fine now."

Bartender: "Well. ok, but what about that hook? What happened to your hand?"

Pirate: "We were in another battle. I boarded a ship and got into a sword fight. My hand was cut off. I got fitted with a hook. I'm fine, really..."

Bartender: "What about that eye patch?"

Pirate: "Oh, one day we were at sea and a flock of birds flew over. I looked up and one of them shit in my eye".

Bartender: "You're kidding, you lost an eye just from bird shit?"

Pirate: "It was my first day with the hook."

**GET TO KNOW US**

**PROFILE : RICHARD CAIN**

I was born in Liverpool U.K. on 9.3.1943. We lived next door to an ammunition factory and at the top of the street was Liverpool's biggest train shunting yard where all the goods for the war effort arrived to be taken to the docks. As you can guess it was a prime bombing target.

Several years later when my father was killed in an accident at work we were evicted from that house. We then went to live in famous Scotland Road then to Binns Road, famous for the 'Meccano. factory where all the kids in the area had the best Meccano sets, Dinky toys and Hornby Dublo train sets.

I left school at the age of 15 to serve an apprenticeship in steel fabrication and obtained 'City and Guilds' certificate in fabrication. I worked in several towns in the North of England for approx. 6 years.

I met my wife when 17 and eventually she came to live in the same road (saved a lot of bus fares) We migrated to N.Z. after getting married - I was 21 and she was 18. My oldest child Michael was born there and we stayed there for 3 years, before coming to Australia in 1967, where we had another son Anthony and a daughter Jillian. I had several different jobs before going to work at Shell where I stayed for 25 Years and then retired at age 58.

I have been a member of the Wood Club for 15 years where I have learned many skills. I am really thankful to all the members who have helped me with various projects over the years and have made many good friends in the process.



**NOTICE BOARD**

**SAFETY NOTICE**



**SAFETY FIRST:** Members are asked on all club days to bring along and use their personal safety gear. ie. hearing protection, dust mask, eye protection, ensure they are wearing good sturdy protective footwear and no loose fitting clothes.

**Birthdays in April**

- |          |                |
|----------|----------------|
| 07 April | Rose Michelle  |
| 16 April | Sam Simmons    |
| 18 April | Peter Warren   |
| 21 April | David Edwards  |
| 25 April | Reno Sciberras |
| 30 April | Doug Wickens   |



**Raffle winners in March**

- 1st - Gary Healey
- 2nd - Ian Rudd
- 3rd - Barry Gardner



**New Members**

Mark Greenacre  
First Completed project



President with newest honorary member Sullivan Nate Rose (Sully) with mum

## GUEST SPEAKER

We were not able to organise a guest speaker for the day so we viewed a video taken from an ABC programme called First Weapons which explored the history and innovation behind the weapons used by First Nations people. Host Phil Breslin travelled across Australia to meet weapon makers and science experts explaining the genius of Australia's oldest and most innovative weapons.

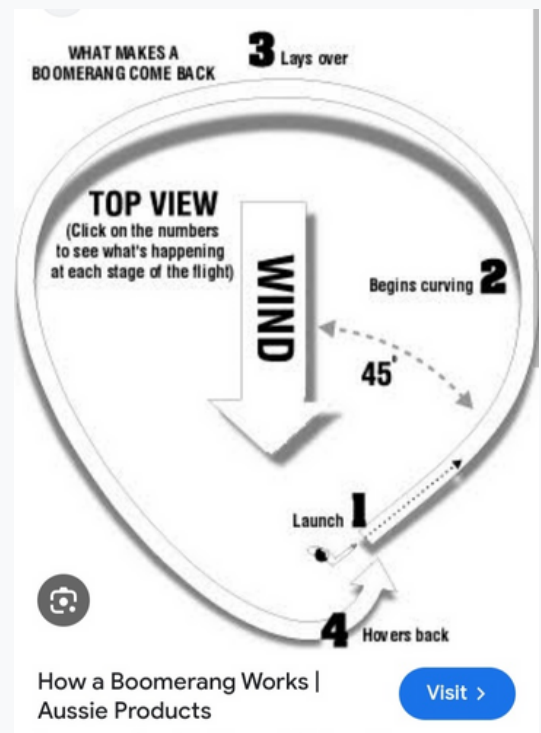
The series has six episodes explaining a range of aboriginal weapons including the RETURNING BOOMERANG, the AMERR, the LEANGLE & PARRYING SHIELD, the KODJ, the LONG SPEAR and the WARTILYKIRRI, Australia's most lethal non returning Boomerang. We watched the first episode on the RETURNING BOOMERANG. The full series can be seen on ABC Iview.

In South Australia the host Phil Breslin talked with 'weapon maker' Moogi Sumner and a team of ABC team of experts unpacking the science behind Australia's most iconic and scientifically complex weapon. Moogi explained the timbers used in making the boomerang, the correct throwing technique to allow the return of a boomerang and the traditional hunting use of the boomerang in the wild.

The show then moved to the University of Queensland and talked with Professor Conrad Stacey who had completed a doctorate involving the aerodynamics of the boomerang. In university conditions the aerodynamics of the boomerang design vs an aircraft wing with reference to lift and returning capabilities was explained. The episode showed a competition between the boomerang vs a current designed drone flown by a world champion operator. The boomerang was very competitive.



First Weapons





# 2024 CALENDAR

## Shire Woodworking Club 2024 Calendar

January 2024							1
S	M	T	W	Th	F	Sa	
	PH	2	3	4	5	6	
7	8	9	10	11	12	13	
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February 2024							2
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March 2024							3
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April 2024							4
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May 2024							5
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June 2024							6
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July 2024							7
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August 2024							8
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September 2024							9
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October 2024							10
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November 2024							11
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December 2024							12
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22	23	24	PH	PH	27	28	
29	30	31					

**NEXT  
MAXI DAY  
  
11 TH  
MAY**

**TOY MAKING  
  
30TH  
MAY**

### LEGEND

- Club Days - Every Tuesday to Thursday + Saturdays except 1st Saturday
- Committee Meeting 12:30pm - Tuesday, prior to 2nd Saturday.  
Note: Own projects catered for before & after meeting
- Maxi Day & General Meeting - 2nd Saturday.
- Toy Making Day - Last Thursday (Except April & December- 3rd Thursday) - No own projects

- Note: Last club day for 2024 is Saturday 21 December. Resume Thursday 2 January 2025
- Note: Minimum of 3 members present on any day to operate machinery. No exceptions unless for maintenance.
- Note: Wood carvers attend 1st Saturday + 3rd Wednesday (Evening)

## CLUB COMMITTEE, SUB COMMITTEES & AUXILIARY POSITIONS

President	Ian Rudd
Vice President	Malcolm Armstrong
Secretary	Maurice Smith - Ph : 0414 538 475
Treasurer	Alan Ritchie
Committee Member	Roger Dixon, Gary Healey Graham Ethell

Assistant Secretary	Roger Dixon
Assistant Treasurer	Roger Walsh
Project Sub-Committee	Ken Brunner, Ray Tregoning, Roger Walsh
Librarian	Roger Walsh
Safety Officers	David Edwards, Gary Healey, Axel Tennie, Bob Quigley
Welfare Officer	Malcolm Armstrong, & Kevin Gowen
First Aid Officers	Graham Ethell & Alan Ritchie
Newsletter Editor	Roger Walsh
Catering Officers	Richard Cain, Steve Lansley, Trevor Lewis, Neil Mathews, Lynn Messenger, Ray Tregoning, Axel Tennie, Roger Walsh
Equipment & Training	Roger Dixon, David Edwards, Neil Mathews, Kevin Gowen, Gary Healey, Ray Tregoning, James Windschuttle
Raffles	Gary Mitchell
Exhibitions Sub-Committee	Graham Ethell
Property Sub-Committee	Graham Ethell & Alan Ritchie
Toymaking	Malcolm Armstrong, Barry Gardner, Steve Lansley, Maurice Smith
Facebook	Alan Ritchie
Webmaster	Maurice Smith
Woodcarvers' Liaison	

## USEFUL WEBSITES

1. RobCosman.com
2. Paul Sellers.com
3. Epic Woodworking  
- Tom McGlaughlin.
4. Wood and Shop
5. Wood by Wright
6. Andy Rawls
7. EN Curtis
8. Mathew Cromona
9. Mitch Peacock
10. Mitch Cremona

Thanks Mike Green

Free Vector Files for Laser and CNC

<https://www.freevector.us/>

Box Designs for Laser

<https://www.festi.info/boxes.py/>

<https://en.makercase.com/#/>

Woodworking Tips and Plans

<https://www.woodcademy.com/>

<https://canadianwoodworking.com/project-plan/>

Thanks Dave Edwards

search youtube for "how an engineer breaks an egg"

Ref [youtube.com/watch?v=gYcF9ELNW6U](https://youtube.com/watch?v=gYcF9ELNW6U)

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