

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



MAXIDAY - 9 MARCH '24

Next Maxiday - 13th April



At our last Maxiday we had the most number of Show and Tell for quite some time. Keep it going. It is an important part of our club's activities. Take a look inside.



At the Maxiday, Peter Warren provided an excellent overview of what's happening in the Cronulla Mall Upgrade. A lot of civil works plus the introduction of a number of additional children's play areas and more extensive community facilities. Some pictures, both historical and planned, are provided further on. .



At this time we do not have a presenter for our next Maxi Day 09 March. Still working on, ABC Iview show titled 'First Weapons' showing the making of various aboriginal timber weapons, Japanese Tools Australia showing the making of raft and basket on video and explanation of potential services available to us from Service NSW. Let us have your thoughts and ideas. TBA.



There will be a further delivery to the Children's Hospital in late March/early April. This activity remains a very important part of the Club's contribution to our community at large.



A big congratulations to Geoff Tong for having been awarded the "Best in Show" for 2023 by the Cubby House Turners and Woodies (Category Turned Item).



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
12:00	Lunch
1:00	Raffle Draw

MAXIDAY SHOW AND TELL

Children's Climbing Frame

Gary Mitchell

Family babies = baby toys. I decided to make climbing frames as a toy with greater longevity than a baby toy.

The frames consist of 4 ply legs, housed out at the top with a bolt and metalworking insert nut acting as a hinge. Each side has a plastic handled bolt that screws into an insert nut, to either lock open or closed.

The 14 rungs (7 per side) were to be captured inside the legs, screwed and nailed through each leg. In drilling out the rebates for the rungs, I drilled half of the legs from the wrong side.

There's something about making lemons into lemonade. To disguise the ends of the rungs I asked Ian Rudd to cut sets of 32mm ply discs with numbers 1 to 7 and with letters A to G. I used the discs to cover the ends of the rungs. So the kids have climbing frames with numbers on one side and letters on the other. This improved the original design by making the frame an opportunity to learn numbers and letters.

The legs were primed under Porters Milk Paint (Shaker Blue with red over the top) then distressed to show the two colours and primer to disguise the inevitable knocks. Rungs had water-based dye with different strengths for colour variation. All timber then waxed as an easy way to maintain the frames.



Ian Rudd

Basket Weave Cutting Board



Richard Cain and I decided to make a couple of Basket Weave cutting boards. Richard "obtained" a number of various hardwoods and these were machined and then glued into banded strips that were of manageable length. A jig was made to then enable the strips to be cut to the exact lengths required to produce the basket weave design. The jig uses a strong toggle clamp to allow the strips to be safely and accurately cut to length on the table saw. The pieces are then arranged on a melamine board to allow final clamping and glueing. After passing through the drum sander the board was then fine sanded and oiled. Richard was a very obedient apprentice



Gary Healey

Cigar Box Guitars



Since the last newsletter the guitar components have been completed and the assembly was undertaken by Roger and myself, with some input "consulting" with David, Gary (Bye) and Bob on the tuning and the placing of the strings. The bridges were made of hardwood to increase the wear caused by the strings, the laser cutouts on the front of the guitar (input from Ian) appear to work as well as the large cutouts on the previous model. The concern was that the new cutouts may have been too small to create a reasonable sound. There were some laser etched graphics added on the front as well as the top and bottom surfaces. These were to eliminate the assembly issues encountered in the printing and gluing of the paper graphics. Roger W sourced the hardware and the strings required for final assembly. There will be some minor modifications to be implemented into the next model.

We welcome any input into the ongoing models of these guitars if demand is still there.

Mike Green

Jointer Fence



I built this jointer fence from scrap wood I had from earlier projects. It is made from Merbau and Flooded Gum and uses rare earth magnets to attach to the side of the plane. I routed the back of the fence with a router and hand tools. I then placed the rare earth magnets into holes I had drilled. I also added a Veritas jointer fence to the project. This is not a necessary piece of equipment. You can build the fence without using it. The fence is designed to keep a large jointer plane like a No 8 or No 7 square to the edge of thinner board edges such as found on a door.



Lloyd Kirkland

Native Stingless Bee Hive Box for Tetragonula
Carbonaria Bee



A simple woodwork project but my main interest is having a beehive.

The box can be constructed from any, non termite treated, timber. I followed the OATH (Original Australian Trigona Hive) recommendations for the dimensions as the bee space for each species is critical for the survival of the colony. The box has an eight litre internal bee space which allows for collection of honey during a good season. Minimising gaps increases protection for the colony, against predators and extreme temperatures. External surfaces are protected with paint and the bees coat the internal surface with wax/propolis.

Stingless bees make great “pets” and are an intriguing addition to the backyard. A keeper of stingless bees is a meliponist. Australian Native Bee Book by Tim Heard is an informative resource.

Phone Stand

Alan Ritchie

I needed a phone stand to hold my phone while transcribing information from the screen. I decided to design one to be made from plywood and make it ornate. I designed an elaborate pattern using the laser software and produced some stands with a cut-out back phone support. However, I decided that the burning on the plywood edges detracted from the overall effect so reshaped the design for acrylic and produced several phone stands, one for me and the rest for sale at the Gallery. The plywood stands are not going to waste and are being sent to the Children’s Hospital as kits to be assembled and decorated by older child patients. Their decoration will cover the burnt edges. The latest design incorporates a space to allow hold a charging cable so the phone to be charged while sitting on the stand. I can engrave a name on the stand if anyone wants one to be a special gift for someone. The stand can be made in clear or coloured acrylic if required.



Maxiday Show and Tell

Front End Loaders

Maurice Smith

My front-end loaders were inspired by a photo of a wooden front-end loader I saw on the internet. I took a screen shot of the item and decided to make a similar version for my toy making contribution. As I had no plans, I started by making a prototype. The first version was made using scrap timber. See prototype 1

After testing the first version I found that I needed to make the bucket pivot pieces wider to allow the bucket arms to clear the engine block and maybe the wheels should be larger diameter and I realised that the body could be made from one piece of timber. Prototype version 2 incorporated these changes and a few other minor changes as shown below. Prototype 2

I was reasonably happy with this version, except I reverted back to the original wheel size. So I then proceeded to make a template for each part. With that template in hand I then decided to make a batch of 5 items.

The third (pic 3) photo shows the first completed item of the five.

Two of the first batch have been given to family members and the other 3 items and the two prototypes have been included in the next hospital toy delivery.

With that batch now complete I'm making a few very minor design changes that will be incorporated in the next batch of front-end loaders.



Prototype 1



Prototype 2



Phototype 3

Barry Gardner

Golf Pens



Always fishing the internet for ideas I came across a pen kit that may be of interest to golfers of all ages. I purchased 3 kits with appropriate bushings costing around \$15.00 each and then selected some Huon Pine, figured Blackwood and an acrylic blank to turn the kits into pens. The results are seen in the photo. The top of the pen is an embossed golf ball on a tee. The pen clip is an embossed golf iron and the tip is an embossed golf course scene. I selected the gold plate finish rather than the chrome as I feel the gold looks better. The pen is a twist style using a "Parker" type refill. They are available for the Club to sell.

Roger Dixon

Tiger Moneybox



The tiger profile was cut out roughly with the bandsaw from a piece of 50mm manufactured pine. The money storage cavity was cut with the scroll saw after slicing 8mm off the back. At this point the cavity wall was sanded smooth. Keep the cavity cut out block piece

A 5mm x 3mm rebate was created with the router on the front face around the rim of money storage cavity. This rebate was then extended outwards in two places with circular shapes using carving chisels for fixing screws to prepare for the acrylic window.

Before gluing the 8mm slice back on trace around the bottom of cavity with a pencil and avoid putting glue on this section. Clamp & let glue cure overnight. Finish cutting external profile on the bandsaw & sand smooth

A piece of 3mm clear acrylic was then placed over the cavity & the shape was traced with black marker. Before cutting out this profile on the band saw place laser masking tape on back side of acrylic to help follow the line. After cutting out remove tape, any ink & fit by hand sanding with patience

Next step after final fitting of window is to drill the pilot holes in centre of extended pieces then remove & drill clearance holes & countersink

Trace any addition detail using paper cutout & carbon paper. If you wish to add detail in the bottom of cavity you can refit the block you kept & trace over it. Then trace from the block to a piece of baking paper cut to size of block. Cut carbon paper same size & place in bottom of cavity. Place baking paper on top of carbon paper then follow detail with biro making an impression on bottom of cavity. Burn in with pyrography iron

The sanding was done using spindle, linisher, Mirka & hand

The engraving was done using Pyrography unit & painting by hand with Posca paint pens

Final finish was with several coats Acrylic gloss spray

David Johnson

Bandsaw Drawer Box



I started this item a few years ago when Barry Gardener was co-ordinating some interested members to give the projects a go. Barry supplied the drawer pattens and arranged the appropriately shaped blocks of wood. I chose a very nice grained piece of Himalayan Cedar (Cedrus Deodara) which has a very strong aroma. We glued the patten on. I had to use the big bandsaw due the size of the wood and other members using the smaller bandsaws. At that time the bandsaws did not have the present new narrow blades and advanced guide / supports which meant the tight curves were a problem and you ended up with a fair bit of clearance around your cuts for a first timer.

Due to the wide blade used a lot of sanding was done to make the surfaces presentable, before glueing and assembling and again after the assembling. I applied a sanding sealer to all the surfaces due to the Himalayan Cedar having a very high natural oil content, then progressively sanded down to 240 grit.

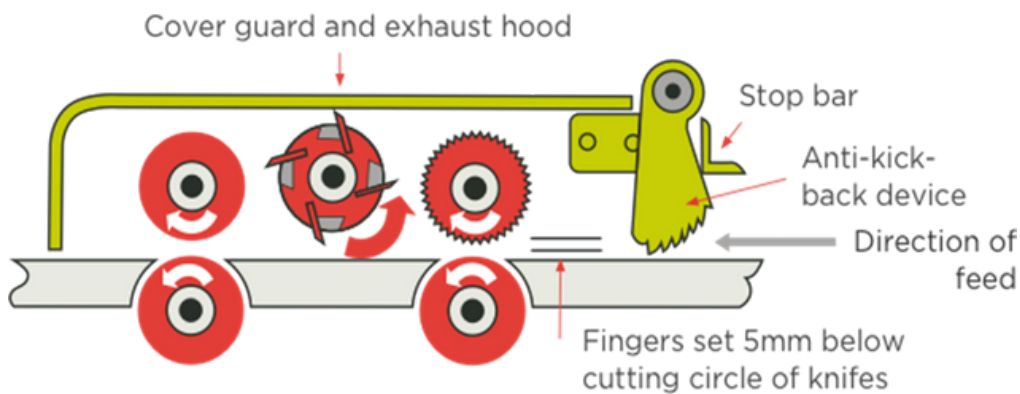
Then I applied 6 coats of shellac, sanding between each coat. The finish is not as good as I would like. I shaped the drawer handles from red cedar and glued them on with Selleys Araldite. The fish shaped drawer was striking and jamming when opened and closed. I asked around some of the members of the club on the Maxi Day if anyone had a suggestion. Ray Tregoning suggested to rub candle wax round the problem drawer and inside of the carcass, so after getting home I did that. Thank you, Ray, it slides wonderfully now.

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 Jointer. This month we are covering the Thicknesser and the Drum Sander.

Thicknesser Information

A thicknessing machine is used to finish a piece of wood to the desired thickness, on one or both sides of the wood. Thicknessers have enclosed knives and infeed and outfeed rollers designed to consistently reduce the thickness of wood planks. Planks are fed into the machine until they are engaged by the infeed rollers which drive the wood into the rotating knives. Much like the closely related wood jointer, the knives remove a preset amount of the wood plank surface with each pass through the machine. On the club's thicknesser. One turn of the handwheel will produce a 2mm depth of cut. Do not overload the machine.



Club Thicknesser



Club Drum Sander

Drum Sander Information

Drum sanders use abrasive surfaces to smooth the surface of materials. Drum sanders can often make smoother cuts than thicknessers can and our twin drum sander allows the use of two different grits. The drum sander has a variable speed feed belt and when sanding hardwoods needs to be set a lower speed rate. One full turn of the handwheel raises the table 4 mm. Turning the handwheel one quarter of a turn should be done in 8 stages minimum. To go from 12 o'clock to 3 o'clock needs 8 steps.

Determining the starting height of the drum is the first step of the sanding process. Do this by setting the drum slightly higher than the stock's thickness. Start the conveyor and begin feeding the stock. As soon as it starts passing under the drum, turn the handle slowly until the drum barely touches the surface.

When you have finished your sanding you must open the hood and then, using the rubber cleaning stick, clean both sanding rollers. Brush the machine down and leave the machine with the hood open.

WAY BACK WHEN

Graham Ethell

The Club was formed in 1998 and for many years rented the building at Oyster Bay from the Woodturners 3-4 times each month. Over time the Club outgrew these premises in regards to the availability of storage for the equipment and timber, and the number of times each month the premises could be used.

During the couple of years around 2009-2011, with the Club being unable to continue to function effectively at Oyster Bay, we looked at a number of alternative premises that could be suitable for the Club's exclusive use. All were unsuitable for a variety of reasons.

Early in 2011 we were advised by David Ackroyd, who was Communities Manager in the Council, of the availability of the Lilli Pilli premises. The building had not been used by the scouts for over 10 years, was almost derelict, and Council was seriously considering demolishing it. On inspection we agreed with the assessment of the condition of the building, nevertheless we saw it had great potential. The major features were that:

- the building was adequate in size for the Club at that time
- there were no immediate neighbours so noise was not an issue, and
- there was plenty of parking around the building.

There followed extensive research including preparation of forward budgets etc to ensure the Club would be able to afford the lease and associated costs. Then after resolving that these could be managed, and after more negotiations with Council, the Club signed a lease to commence on 1 October 2011.

With the financial assistance of a Communities Grant from Council, Club members and contractors spent the next three months upgrading the building, with Club members contributing a total of over 1,500 hours of voluntary labour (we stopped counting after that)!

The attached photos show the condition of the building at the time the lease was signed and the renovations in progress.

Just some of the works:

- All internal walls were stripped back to the frame, or the underlying Masonite cladding, and reclad with MDF sheets.
- Scout dens were demolished and the mezzanine constructed above that area.
- Outside doors were replaced and fitted with good quality locks.
- The power supply was renewed from the street to provide 3 phase power, and the inside was totally rewired to provide all the extra lights and power points. (There had been just one power point in the whole main hall area, (just outside the office).
- The whole building was repainted inside and out.
- Floor was sanded and sealed with three coats of good quality floor finish.
- HWS was replaced.
- Rotted timber roofing supports were replaced, eaves and fascia were replaced with Colorbond material, and gutters and downpipes installed along the front of the building.
- About 300 extra screws were added to more adequately secure the roofing sheets.
- All rubbish from under the building was disposed of and a steel security gate installed to secure under floor access.



ALATHE CHANGE!

Members will no doubt know that the Club has sold our Vicmarc Mini lathe and has been replaced by a "Leddy" lathe donated to the Club seen in photo at right. This lathe's specifications include

- 350mm swing & 1 metre between centres
- Swivel head stock
- 1 HP electronically balanced motor with digital speed control
- Speeds from 400 to 3000 rpm
- 24 hole indexing
- No 2 morse taper
- 30 x 3.5 thred



- 80mm face plate. See photo

- Straight and curved tool rests with extension toorest holder seen in photos at right



Additional items include

- A lathe steady seen in photo at far right
- A router or other tool holder for fluting etc. see photo



- A bowl cutter see photo



- A Leady segmented bowl cutter. Make a bowl from a 19mm thick plank as seen in photo far right.

This lathe was built and purchased in 2006 and "designed by Bruce Leadbeatter a teacher of woodturning with 50 years experience". "The swivel head allows you to turn big bowls and helps you to turn wood "the way it wants to be cut". Turn bowls up to 700mm in diameter"

Over the past 10 years the lathe has had little use. The stand needs some remodelling to suit the Clubs needs. Possibly changing the tool rest area into wood storage to give some weight to the lathe. Ray T is contemplating what is best The stand ends used to hold some 10kg bags of sand.

Barry Gardner



PRESIDENT'S REPORT - MARCH'24

During February the Shire Woodworking Club had a number of members who arranged for the Club to be open on Fridays. The three members in attendance rule applies and this is an opportunity for members to utilise the club's range of equipment and facilities and gives greater flexibility for all members when they wish to attend. There is a sheet at the sign in desk for members to enter their name if they are interested in attending on a Friday. You will need to confirm that you are going to attend on any particular Friday.

The Lilli Pilli Public School is holding a Market Day on Saturday 16th March and the club will be setting up a stall. We need volunteers to help set up and dismantle the stall. Please consider helping our Club.

Another Saw Stop Cartridge was activated in February and again this occurred while cutting relatively short thin strips. When cutting short pieces please take the time to set up and use the Yellow Gripper Push Sticks. These are there for your safety. The use of the Grippers makes this operation so much safer and when used properly will not activate the saw stop.

Another delivery in late March is planned for the Sydney Children's Hospital and along with all our usual toys, this delivery will include some special items. The excellent standard and innovative work in the design and manufacture is commendable. Thanks to Gary Healey, Roger Walsh and all who have made the wonderful Cigar Box guitars. Also, Axel Tennie has made a number of requested Mini Hockey games that will be well received by the children.

When leaving the club, make sure you have cleaned your work area, cleaned the machines you have been using and swept the floor area.

Happy Woodworking

Ian Rudd

President

LIBRARIAN UPDATE

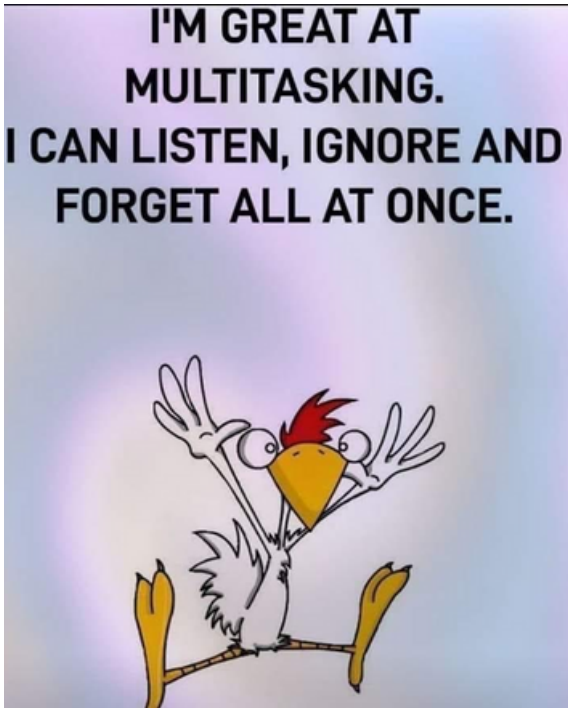


No magazines received this month. Refer following pictures of DVD's presented at our last Maxiday and available from the club (on loan)



COMEDY CORNER

I'M GREAT AT
MULTITASKING.
I CAN LISTEN, IGNORE AND
FORGET ALL AT ONCE.



Things You Learn if You Live Long Enough (Ray Bywater)

Being a little older, I am very fortunate to have some call and check on me every day. He is from India ,and he's very concerned about my car warranty

I choked on a carrot this morning and all I could think of was "I'll bet a doughnut wouldn't have done this to me"

Nothing spoils a good story more than the arrival of an eye witness

I finally realize why I look so bad in pictures. It's my face.

It only takes one slow-walking person in the grocery store to destroy the illusion that I'm a nice person

It turns out that when asked who your favourite child is, you're supposed to pick on of your own. I know that now

It's fine to eat a test grape in the produce section, but you take just one bite of rotisserie chicken and it's all "Sir, you need to leave!"

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

If you dropped something when you were younger, you just picked it up. When you're older and you drop something, you stare at it for just a bit contemplating if you actually need it anymore

I like to make lists. I also like to leave them laying on the kitchen counter and then guess what's on the list when I am at the store

GET TO KNOW US

PROFILE Ray Tregoning

I was born at Rockdale, NSW in 1950. I have been married to Gayle since 1980. We have 2 daughters, Lee and Robyn, and proud grandparents to Lee's daughter Alana. We have lived in Como since 1982 and I have done extreme renovations to the property, which was purchased from Gayle's grandmother, who bought it in 1960.

My primary education was gained at Arncliffe Public School and my secondary school education at Kogarah High School. I continued my tertiary studies at TAFE colleges at Ultimo, St George and Gymea.

I hold Trade certificates in Carpentry & Joinery (as a mature student), Wood Machining, Wood Turning, Tool & Cutter Room, Explosive Power Tools, Saw Doctors, Wood Technology, Motor Maintenance, and MIG Welding and TIG & Thermal Cutting, Sub-Contractor Carpenter Licence.

Employers have been CRO (Ogden) Furniture, J E Thorpe's Wood Turners, H Trevail & Son - Coffin Manufacturers, Timalco Glass Structures, Cruising Yacht Club, Mason Duflex, Rev Add Display & Signs, Screenwood Architectural timber panels and screens and Baker & Houghton Antiques.

I have never been employed as a full time "Carpenter" however the skills learned in my various Trades have been transferable to other industries and were put to good use during the rebuilding of our house. Timber is featured with blackbutt floors, recycled Oregon skirtings and architraves, and cathedral ceiling in the rear extension. Most of our furnishings are built into the structure - kitchen (obviously), bar, office furniture, window seat, storage.

I have always tinkered with wood, spending many of my early days building and maintaining Fireball sailing skiffs. Prior to marriage I spent summer weekends sailing Fireballs on Pittwater (traveling to and from Rockdale). I sailed in a number of Australian and NSW Championships and held the role of measurer at a World Championship event in Adelaide where I met Prince Phillip. I also occasionally crewed on deepwater yachts.

Although I have an extensive workshop at home, there are many items of machinery and equipment I do not own. I am starting to downsize and the gaps at home are being filled by the equipment in the workshop. I have made many friendships some great mates at the Club that I really didn't have since my sailing days. I enjoy attending on Tuesdays, Wednesdays and Saturdays, and attending days like Gymea Village Fair and Cook Community Classic.

Since joining the club in July 2015 I have made many Santa sleighs (in early times cut out by bandsaw, now using the flat bed laser, precision boxes, cutting boards, pens and pen boxes, children's stool kits, 2 x Adirondack Chairs, 2 x 1948 Woody Wagon models. I completed a long-term goal of making our extension dining table from 2 slabs of Murray River Red Gum with 10 chairs in Blackbutt and leather.

Happy woodworking to all.



GUEST SPEAKER - PETER WARREN - CRONULLA MALL UPGRADE

Current Stage commenced July 2023. Stopped early Dec 2023 and re-commenced 12th Feb 2024 and scheduled for completion through to Purley Place mid July 2024. The following reflects pictures going back to 1936 through to completion of the final stage "Town Square" fronting the Kingsway.



A town called Cronulla / Photos by Ross Myers



Official opening of Cronulla Bicentennial Plaza in February, 1989.





NOTICE BOARD

- 16 March 2024 Lilli Pilli School Market Day
- Late March 2024 - Toy Delivery

Raffle Winners 10th February

1. Peter Warren
2. David Johnson
3. Barry Gardner

Birthdays in March

- 06 Ian Rudd
09 Richard Cain
12 Stewart Mailer
18 Zdena Vondra

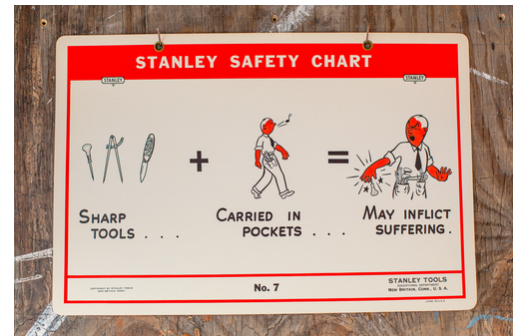


SAFETY NOTICE

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.

David Edwards

Safety messages from the past.



Printed as a community service at the office of

THE HON. **SCOTT MORRISON** MP
FEDERAL MEMBER FOR COOK

scottmorrisonmp.com.au



FIND US ONLINE

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

Facebook: Search for Shire Woodworking Club



2024 CALENDAR

Shire Woodworking Club 2024 Calendar

January 2024 ¹							February 2024 ²							March 2024 ³						
S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa
	PH	2	3	4	5	6					1	2	3						1	2
7	8	9	10	11	12	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9
14	15	16	17	18	19	20	11	12	13	14	15	16	17	10	11	12	13	14	15	16
21	22	23	24	25	PH	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23
28	29	30	31				25	26	27	28	29			24	25	26	27	28	PH	PH
														PH						

April 2024 ⁴							May 2024 ⁵							June 2024 ⁶						
S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa
	PH	2	3	4	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	PH	11	12	13	14	15
21	22	23	24	PH	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						

July 2024 ⁷							August 2024 ⁸							September 2024 ⁹						
S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	BH	6	7	8	9	10	8	9	10	11	12	12	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31	29	30					

October 2024 ¹⁰							November 2024 ¹¹							December 2024 ¹²						
S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa	S	M	T	W	Th	F	Sa
		1	2	3	4	5						1	2	1	2	3	4	5	6	7
6	PH	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	PH	PH	27	28
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

MAXI DAY
13TH
APRIL

TOY MAKING
18TH
APRIL

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://www.youtube.com/watch?v=gYcF9ELNW6U)

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