

CLUB COMMITTEE:

President: Ian Rudd
Vice President: Malcolm Armstrong
Secretary: Graham Ethell
Telephone 9522 7674
Treasurer: Alan Ritchie
Committee Members: Ray De Marco, Roger Dixon & Barry Gardner

SUB-COMMITTEES & Auxiliary Positions

Assistant Secretary: Roger Dixon
Assistant Treasurer: Roger Walsh
Project Sub-Committee: Bob Davis, Barry Gardner, , Alan Ritchie, Ray Tregoning.
Librarian: Roger Walsh
Safety Officers: Ray De Marco, Roger Dixon, David Edwards, Graham Ethell, Alan Ritchie, Ian Rudd, Ray Tregoning.
Welfare Officer: Peter Mott
First Aid Officers: Graham Ethell & Alan Ritchie
Newsletter Editor: Barry Gardner
Assistant Newsletter Editors: Ray De Marco & Maurice Smith
Catering Officers: Richard Cain, Michael Green, Steve Lansley, Trevor Lewis, Neil Mathews, Lynn Messenger & Roger Walsh
Equipment & Training : Roger Dixon, David Edwards, Neil Mathews, Terry Murphy, Alan Ritchie, Ian Rudd, Ray Tregoning, James Windschuttle
Raffles: Peter Mott
Exhibitions Sub-Committee: Malcolm Armstrong, Roger Dixon, Graham Ethell, Steve Lansley, Lyn Messenger, Maurice Smith & David Whitney.
Property Sub-Committee: Richard Cain, Roger Dixon, Graham Ethell, Bob Quigley, Ian Rudd, & Ray Tregoning
Toymaking: Malcolm Armstrong, Barry Gardner, Gary Halder., Steve Lansley, Lyn Messenger, Glen Reeve, Reno Scriberras, Maurice Smith, Ken Tyson & Roger Walsh
Woodcarvers' Liason: Ron O'Malley

SEPTEMBER—A HAPPENINGS MONTH!

- ◆ Plank Competition Judging was held on Saturday 14 September with a plethora of entries and a great day was had by members and their guests. This year for the first time in our 16th year of running this Club competition we invited our guests to vote on "A Best in Show". Our guests voted David Edwards Marble Machine (pictured) with 50% of the votes cast as this winner. See full details and results on pages 3 to 8.



- ◆ 26 September saw our latest delivery of specialty items to the Child Life & Music Therapists, Sydney Children's Hospital, Randwick. This delivery included Julie Dodds Puppet Theatre (pictured). See story on page 6.



- ◆ Thursday 12 September saw about a dozen of our members venture down to the Sutherland Shire Council Works Depot at Kirrawee for an escorted tour of the Depot at the invitation of the Shire CEO Ms Manjeet Grewal.

It was a most interesting and informative tour of the Shires joinery shop, metal workshop, the garbage and general truck maintenance centre, the signwriting facility and the paint shop. Many thanks to all the guys who showed us through these large facilities and answered our many questions.

- ◆ Friday 27 September saw President Ian and Secretary Graham give a presentation on behalf of our Club to the "Doing it Differently Grant" panel. Our Club earlier this year applied for a grant for materials from the Southern Area Health Service and The Sutherland Shire Council Joint "Doing it Differently" initiative. We were invited to make a presentation and the photos at right show exhibits presented. We should know whether our application was successful within the next couple of weeks.



*Wood Working is
an amazing skill
and very
underrated.
Once you cut it,
it is hard to go
back*

MEMBER PROFILE: STELIOS SHIZAS Member No 329



My name is Stelios I'm 49 years of age (turning 50 soon).

I live in Hurstville. I am originally from country NSW.

I work in the Information Technology (IT) field. Originally, I started my IT career as a programmer and database developer, but these days I am more of a generalist technical support person.

I'm not married, I have one daughter who is 15 years of age (although she seems to think she is 35).

I have not travelled much, however, I can claim at least one interesting trip. Several years ago, I travelled to the Sinai desert in Egypt to attend my friend's wedding. The wedding ceremony was held in a church within the grounds of an old monastery close to the Red Sea. It was a marvellous experience. I was fascinated by the architecture of the old monasteries and churches in the desert. Even more fascinating for me was the quality and variety of woodwork evident in old buildings and old furniture.

My interest in woodworking started in a long time ago, however, in more recent years I have more actively pursued my interest in woodwork, slowly acquiring used hand tools, where my budget permitted, and attending woodworking classes where I have learned a little about using hand tools and have made a few small items and a large 17th century style six board chest (although in reality it is 16 to 17 boards glued together to form 6 boards). That chest took a long time to make. Currently I am making two lecterns from European Fir. The wood was sourced from the Goulburn area and cut into short logs. I was offered the opportunity to take what I could, and I did so. I had the logs milled, and I let the timber season for a year and a half. For the last year I have been attempting to make two lecterns from that timber. Once finished, I shall present the lecterns to the people on whose property the trees originally grew.

The reason I joined the club was to learn more about woodworking, to meet new people, and to make things for others and bring a smile to their faces. I found out about the club when I was walking through Gympie during a festival/fair/market, and I came across a stall of the Shire Woodworking Club. I talked to the people there, I liked what I heard and saw, especially how they make items for the benefit and joy of others. Consequently, I made a decision that I wanted to join at some point in the near future.

I joined the club in early this year (January or February). I have been learning to operate some of the machinery in the workshop and eventually I would like to learn to make toys. Learning is fun. Every time I attend the club, I learn something new from someone there. The conversation is great too.

Maurice Smith

MAXIDAY: SATURDAY 12 October, 2019 AGENDA

8:45am Open Lilli Pilli Workshop

9:00am Monthly Meeting

9:30am Presentation of Certificates and prizes to 2019 Plank Competition Winners.

9:45am Video –Mitreset

10:00am Morning Tea

10:30am Show & Tell

11:00am Mitreset Demonstration

12:00 noon Lunch

1:00pm Lets look at box making of all types. Lets include Acrylics, Intarsia, metals, plastics and gilding etc.

2:00pm Raffle Draw

2:15pm Members own projects

About 3:00pm Close

**ALL THOSE IN
FAVOUR OF
SAFETY GLASSES**



SAY 'EYE' !!!

Raffle Prize Winners 14 SEPTEMBER, 2019

1st Prize: David Edwards \$25.00

2nd Prize: Graham Ethell \$15.00

3rd Prize: Barry Gardner \$ 5.00

4th Prize: Doug Wickens

Bottle of Bubbly

5th Prize: Doug Wickens

Bottle of Wine

SAFETY FIRST: Members are **SAFETY** **asked on all club days to bring along and use their personal safety gear.**

ie. earplugs, dust mask and eye protection and ensure they are wearing good sturdy protective footwear and no loose fitting clothes.

If you would like to receive this Newsletter please email the editor at shirewoodworking@bigpond.com or if you have an article that you think would be suitable for publication in this newsletter your Editor would be most pleased to receive it.

2019 Plank Competition

CATEGORY "A" Previous winners of the Plank Competition



The winner in Category "A" with 707 votes was **Geoff Tong** with the Rollerball tortoise and advised "I made a smaller version of this toy a few years ago. I start by making a template for the body shape and cut 3 pieces before laminating them.

Marked the position of the axles and drilled from both sides to improve accuracy. The wheels are solid and I used 20mm dowels for the axles for added strength.

The body was shaped freehand. I glued a small piece of pine to each side of the face so the tortoise can have a nice round head.

The large sphere on the back is hollow and segmented.



In second place in Category "A" with 670 votes was **Roger Walsh** with his fleet of Model T's and advised "To make this model car you start with the base assembly 19 mm thick x 75 mm x 125 mm. Then cut out the axle holders 19 mm x 25 mm x 95 mm – using the band saw, drill out the axle holes using the pedestal drill then cut the notches at both ends using the band saw. The axle holders have been glued and screwed to the base for strength.

The body has a complicated shape and is made by gluing together four pieces of stock to form a block measuring 76 mm x 89 mm x 115 mm with glue lines running vertically. Drill a 25 mm diam hole through the back of the block. Prepare some templates to get the shape for the cabin and top/bottom sections. Draw these onto the block and then proceed carefully using the bandsaw. Drill the hole for the steering wheel.

The engine block is similar to the body but uses only three pieces of stock glued together with glue lines running horizontally. Once again cut out some templates and cut to shape using the bandsaw. The radiator line uses the bandsaw. The trunk is similar to the engine using a couple of pieces of stock glued together with the glue lines running horizontally. Cut to shape using the bandsaw and the finisher to prepare the smooth corners. The fenders are made from 19 mm stock using templates and the bandsaw. The wheels are also using 19 mm stock and cut to shape using the hold saws and a forstner bit for the circular rebate.

I have used nylon hardware for the axles and screwed into the axle holders. The finish has been prepared using several coats of Feast Watson clear varnish. The model has been glued and screwed together and uses plugs and screws to attach the fenders to the body."



In third place in Category "A" with 668 votes was **Malcolm Armstrong** with the crane and grader and advised "Finding a project to enter the Plank Competition is not always easy. There are many resources with plans for making wooden toys but what will be interesting for me to make?

Our club library has a good contemporary book titled "Great Book of Wooden Toys" with easy to build projects. So after perusing the options I decided on two toys; a crane and a road grader. I just had enough timber in the plank to

make all the parts for both. There were a few scraps left over!

Here are some highlights of making these toys. The plan for the crane had a "tracked look" wheel arrangement (i.e. five wheels each side). I wasn't too keen this so I used the base for the Bulldozer toy also included in the book. I liked the look of the real "track look"! This required some fiddly modifications to the base plus I added some small features being the drive wheels for the tracks. The plans were simple and straight forward. I was keen to create the best possible finish to the toy by selecting colours from real cranes I looked up on the web. The red boom and typical black cab and yellow body colour scheme appealed to me. I wanted to use a realistic steel cable for the boom's lift so I purchased a model accessory kit which included the hook and cable plus other towing hitches and parts which were actually for a model four-wheel drive vehicle but they suited my application! I used acrylic water based paint in my (Aldi) air brush spray gun and was happy with the resulting smooth finish. The final finish was a craft matt spray clear finishing sealer made by Boyle. Multiple coats of both the paint and sealer finish were applied.

.....continued page 8



In equal fourth place in Category "A" with 615 votes was **Bob Davis** with the doll's rocking chair and advised "I chose this child's rocking chair for my entry in the plank competition which will be a birthday gift to our 2 year old great grand daughter. As the plan from the club library was very specific on types of wood to use. I had to make changes to suit using the plank which led to changes to the joinery detail allowing for a 12 degree tilt from the perpendicular the rocker's are shaped not to tip accidentally. I used a light stain and clear satin polyurethane to finish."

2019 Plank Competition

CATEGORY "A" *Previous winners of the Plank Competition*



In equal fourth place in Category "A" with 615 votes was **Barry Gardner** with "Just 4 Fun" tugboat and advised "The design for this toy tugboat was loosely based on a Toys & Joys plan "Salty". The biggest problem I had was finding a name for it. I thought of Sir Rousis of the River, Mid Life Crisis, Bottoms Up, Up the Creek and many other but then realised it was a children's toy so settled on Just 4 Fun. It is solid basically using the 19mm thickness of the plank and should withstand some rough child's play. Trust the Club will be able to sell it at our forthcoming stalls. The paint is water based acrylic covered by several coats of Anchor Gloss Lacquer"



In sixth place in Category "A" with 609 votes was **Ian Rudd** with a pair of ute money boxes and advised "My entry for this years competition was taken from a basic design I saw in a woodworking magazine.

I decided to modify the design to allow any coins that are put into the money box to be able to move into the back tray section of the Ute. There is a screw that holds the Ute cover in place.

The trucks have been painted in bright colours and the windows were cut from 3mm acrylic using the club's laser. The hub cuts were laser cut from mirror acrylic and glued into the wheel recess."



In seventh place in Category "A" with 602 votes was **Graham Ethell** with the fire engine and advised "I made a fire engine in the plank comp some years ago and painted it "fire engine red". Decided to make another this year but painting was going to take too long. I designed the previous one, had to scale this one down because of less timber. Right at the end I cut two pieces too small so had to "borrow" some extra timber. Wheels were cut on the laser, 3 pieces of 6mm gave me 18mm wide wheels which run freely on fixed axles. Finish is 2 cans of Anchor clear gloss spray, as recommended by Ray Tregoning."



In eighth place in Category "A" with 554 votes was **Ray De Marco** with the fleet of water craft and advised "This year I continued to make unpainted toys for the interest and help in the active painting of something different for the young patients at the CHILDREN'S HOSPITAL, RANDWICK. Started with a Murray River Paddle Steamer same as in the previous two years, this one with eyes, nose and a grin then made a flat-bottom river boat (i.e. one without side

paddles).

So, the questions to answer and were to decide on what to make that would be different, of interest and be of an original design. As a previous Hobie Catamaran owner thought to make one but with a mast and sails it would be impractical. The idea however did help to originate a design for some "powerful and speedy" looking motorised catamarans.

The hulls provided some test for a smooth finish and shape however was able to make three catamarans of a slightly different design. Had spoilers at the stern as an aerodynamic means to keep them stable in unfavourable wind conditions."

2019 Plank Competition

CATEGORY "B" For Members that have won 1st or 2nd prize in Category C in previous years but have not achieved a win in Category B.



The winner in Category "B" with 613 votes was **Robert Leake** with the doll's cot with marquetry and advised "The cradle I made is a variation on similar ones I have made in the past. No plan was used. I simply found an appropriate doll in the grandchildren's toy box and designed a cradle of a suitable size. With this version I have added marquetry panels to both cradle ends as well as marquetry in the base.

The joinery used to construct the cradle was mainly 4mm and 6mm slots cut with a router. The finish was gloss polyurethane applied with a brush for the marquetry panels and wipe on satin polyurethane elsewhere."



In second place in Category "B" with 593 votes was **Bob Quigley** with the surfer's shack and advised "After cutting the plank into thirds I split 2 of the thirds in half for the walls and roof and all the furniture. The rough saw walls from the rip saw where grooved with the job site table saw to give the weather board look. The corner mouldings were cut from the plank on the saw stop job saw.

The corrugated roof was cardboard with the top layer removed and sprayed silver. The shack was sprayed matt finish lacquer.

All the furniture is made from the plank except the contrast strips of Western Red Cedar on the deck chairs which as found in the waste bin. The lovely bunch of coconuts and shells and sundry bits were last minute finds in my garden."



In third place in Category "B" with 586 votes was **Regina McGrillen** with the turtle jigsaw and advised "My entry this year is a floor puzzle of a sea turtle. To make the design more interesting I decided to add a veneer that resembles a turtle shell. After glueing it I drew the design by hand on the piece and cut it with the scroll saw.

The puzzle was finished with an Anchor lacquer spray."



In fourth place in Category "B" with 548 votes was **Neil Mathews** with a trio of toy sewing machines and advised "This year, I decided to make something for Girls. Boys get trucks, cars, planes and boats, but there's been little made for the girls.

My sewing machine toys are based on vintage manual machines that may not be relevant today, but they are just toys, so who cares?

I joined two pieces together to get the body thickness I needed, and cut out the wheels with a hole saw and rounded the edges on the router.

The body presented a problem as it is 200mm long and needed a hole all the way through for the drive shaft. To achieve this, I welded a rod to a 10mm drill bit.

Barry Gardner contributed by turning the cotton reels for me.

Like all of my projects I made a mistake. This was assembling all of the toys before painting them. How do you paint behind a wheel with 3mm clearance? I had to cut the dowels and then drill them out. I don't have a lathe so these were done on a pedestal drill, and naturally not as exact as original. I compensated for the slight out of round by making 3mm thick wooden 10mm washers to save the day. The units were finished off with three coats of Cabots Carbothane Clear."

2019 Plank Competition

CATEGORY "B"

For Members that have won 1st or 2nd prize in Category C in previous years but have not achieved a win in Category B.



In fifth place in Category "B" with 542 votes was **Steve Lansley** with a squadron of spitfires and advised "A squadron of fighters for the Children's Hospital. The plan came from the internet from the DM Idea's site.

SYDNEY CHILDREN'S HOSPITAL, RANDWICK

As reported on page 1 we made a special delivery to the Child Life & Music Therapists on 27 November 2019. This date was selected so we could deliver some "magic" items for the Hospital's Party Day on the 2nd October which has this year the theme of "magic". In addition as 31 October is Halloween we delivered some Halloween specific items. Also we took the opportunity of delivering a few special items. Firstly was the Puppet Theatre as described on page 11. This was enthusiastically received even with Captain Starlight putting in a claim for its use. Well done Julie.



The second item was as a result of a request from the therapists for a whirligig for use in distracting younger children when having a medical procedure. As seen in the photo at left Nicola, one of the therapists grabbed it with glee. We have been asked to make another three. Well done Malcolm.



The third special item was one of David's marble machines. We were uncertain whether it would be something the hospital could use. This was dispelled when the items were being trolleyed to the Therapists Common Room when a passing neuro surgeon spotted it, asked a few questions then asked to use it to distract children when having electrodes affixed to their skull for appropriate neuro medical

procedures. The marble machine is described on page 7.

We also settled on some changes to the bed desk with it being made 100mm wider and having the sides splayed forward by some 30 degrees to avoid it tipping forward when being used with a laptop computer. We have 8 in production at the moment and will be delivered on our Christmas delivery on 27 November.

Items delivered to the hospital:

Worry Boxes	4	Small Biplane (Laser)	1
Keepsake Boxes (Laser)	8	Fancy Ball shape Lge (Laser)	1
Sheep Boxes (Laser)	3	Fancy Ball Shape Small (Laser)	1
3D Horse feeding	2	Pig Box (Laser)	1
French Knitting Reels	2	Utes	6
Dinosaur (Laser)	1	Spitfires	5
3 Rabbits on Stand	1	Whirlygig	1
Open Sports Cars	4	Halloween Box (Laser)	8
USB Drive Heart Memory Box (Laser)	11	Paddle Wheeler	2
Marble Machine	1	Catamaran	3
Puppet Theatre	1	Star Wands	27
Small Truck Tipper	2	Rainbows	7
Small Truck Open End	2	Viking Ship Jigsaw	1
Small Truck Tow	2	Laser Box	1
Click Sticks	18	Knitted Hand Puppets	64
			191



**Charitable Toy &
Therapy Item
delivery count
to date
for 2019**

1218

2019 Plank Competition

CATEGORY "C"

Category C. is a novice category. It is intended for inexperienced new members and those existing members who may require encouragement and possibly require some guidance and assistance in making an item. All members must come first or second in this category before advancing to Category B.



The winner in Category "C" with 779 votes was **David Edwards** with the marble machine and advised "Marble Machine with interchangeable modules I decided to build the marble machine after seeing them on YouTube and purchased the plans from woodmotion-plan.com.

I downloaded the plans and then found they were designed for a CNC Router so then I had to work out how to build it, particularly as some of the parts were quite intricate.

So first up, I built a Router Pantograph and with templates made from the plans on the club's laser, I was able to rout most of the parts.

The track templates were relatively straight forward, but the "saucer" templates were a little complicated. I cut seven layers on the laser with the internal diameter reducing with each layer from top to bottom. The layers were then glued together and then filled with builders bog to create the internal profile for the pantograph stylus to follow.

..... Continued page 9



In second place in Category "C" with 703 votes was **Tim Dodds** with the Pirates treasure chest and advised "Originally we came up with the idea of a "box" to hold the puppets that went with Julie's puppet show frame. The initial thoughts were that there would be a pirate character- hence the idea of a treasure chest.

I've always planned out these sort of things and using the plank dimensions created a design in excel. It quickly became apparent that there wasn't enough wood. Talking to Maurice I learnt and we came up with the idea of splitting the plank not width but depth giving me 2 planks same size just thinner. I was able to finish my design maximizing use of the timber and therefore the size of the chest. I literally had handfuls of sawdust and minor off cuts left over.

Given the thinner timber especially after a few passes through the thicknesser and sander my design had to incorporate a number of strengthening features. I used finger joints on all joins - 16 joins in total and installed a few vertical and floor corner supports. The final parts were mostly decorative - I made up some 25mm wide slats and colored them up with brown and black washed paint rubbed back with bronze/light brown coloring trying to mimic old leather. The final touch was gluing a number of pine buttons from bunnings into drilled holes to mimic old bolts/rivets."



In third place in Category "C" with 637 votes was **Gordon McDonald** with the pair of child's chairs as shown in the photo at left.



few Horses and Dogs. I made them for the Children's Hospital nothing special to say straight forward work and I left them unpainted for the children to paint."

In fourth place in Category "C" with 626 votes was **Peter Mott** with the pair of Dolls beds and cut outs and advised "I just made a couple of Dolls Beds and a



2019 Plank Competition

CATEGORY "C"

Category C. is a novice category. It is intended for inexperienced new members and those existing members who may require encouragement and possibly require some guidance and assistance in making an item. All members must come first or second in this category before advancing to Category B.



In fifth place in Category "C" with 623 votes was **Stan Kirkman** with the 5th wheeler and advised "The plank comp is always a challenge in two ways, firstly choosing a project for my capabilities yet with some challenges that would stretch my current limited ability. Secondly, the build process. So to the build itself.

I used a plan from a book in the club library that was in inches and scaled it to a size more comfortable for 4 to 6 year olds metric using a spreadsheet.

The plan was a fifth wheeler with a 4x4 and its 'trailer/caravan'. I firstly created all of the required thicknesses

and required lengths including glueing up two pieces of plank for the 4x4 and trailer bodies. Next was using the band saw to cut the shapes allowing for a mm all around for later shaping and sanding. .

Firstly, the trailer shape to form the internal space of the caravan. I hollowed it out initially with the drill press to create the turning points for the band saw. To get into the shape, I cut into the block where the rear bumper would be later cover it. Then cut from corner to corner drilled holes. I used the spindle sander to smooth off the inside surfaces.

Secondly, the two side pieces previously cut to the correct thickness on the thicknesser were glued together using double sided tape before cutting the outline again using the band saw. The windows were cut using the scroll saw and that was not easy to keep straight so some filing was needed to straighten the outlines. Next was the door. For this I used a carving blade which was tenuous but straight as I could use a straight edge/ruler as my guide. The hinge was a challenge and I ended up drilling a 1mm hole from the bottom through the door and extending into the top timber. I planned on using a length of copper wire as the hinge pivot.

There was an immediate challenge as to getting the wheel wells to be located accurately. After wrecking a couple of precut shapes, I decided I could eliminate more failures while drilling with the forster bit if I cut the shape allowing for enough timber to drill into a solid piece instead the forster biting into the car bottom and making an awful hole as it was difficult to prevent the piece moving. Once drilled, I simply cut the piece along the line of the vehicle bottom leaving a clean wheel well and 4x4 shape.

The rear Ute like space had to be cut so as to allow a piece that would become the trailer attachment point. This was a real challenge and a few more ruined 4x4 shapes were ruined before I found a way. The wheels were created for me by Ian on the laser unit.

The axels then became an issue as I decided to use 6mm dowel which meant I had to manufacture some odd pieces on the 4x4 and trailer to get them to turn when the project was tested. I decided to leave it raw rather than try and spend more time painting."



In sixth place in Category "C" with 582 votes was **Maurice Smith** with the animated bat and advised "My Flying Dragon. When the Plank competition for 2019 was announced I decided that I wanted a project that would provide me with plenty of challenges that would allow me to develop my woodworking skills. In search of ideas I went to YouTube and searched for "wooden automata". I found the "Flying Dragon" that is the source of my inspiration for this entry. The base and the dragon did indeed provide me a great many challenges. In particular, the cams and associated rotors in the base were a source of considerable vexation. Eventually I was able to overcome the challenges.

I came near to throwing in the towel when it came to the system of rods that move the dragon and its wings. Alas, my mechanical skills were found to need improvement. Long after the assembly of the base I realised that I could have used an alternative approach to avoid the need for the brass rods. However, I had run out of timber and, more importantly, time.

When I found the flying dragon on YouTube I was also fortunate to find some Sketch-Up plans for the project. I adapted these plans to suit my version of the dragon. Once

again, thanks to the Shire Woodworking Club for running this annual competition as I have enjoyed my flying dragon project."

Plank Competition. Malcolm Armstrong continued from page 3

The plan for the road grader were followed from the book. The good thing about entering the Plank Competition is two-fold; it provides toys stocks for our club plus gives opportunity to learn new woodworking techniques (depending on the choice of project!). The grader's scraper blade needed a cove machined onto it. But how? I looked up Mr. Google on cove-cutting. I came up with a web site that provided just what I needed. I used a "Table Saw Cove angle calculator" (www.woodpecker.net). So I typed in the cove dimensions

I needed, being the cove depth and cove width. The resulting table saw fence angle to achieve this was 71 degrees. I removed the fence from my Triton Work Centre and made a temporary fence at this angle and machined the cove on a longer piece of stock and then cut it down to the required length. After sanding out the saw marks the result was really good! Large rear wheels were rather plain on the plans but I wanted to make them closer to reality by machining the tread pattern of a real grader. This required making each wheel in two parts and using the band saw kerf to make the V-tread. This took more time but I thought it was worth the effort. The finishing process was the same as for the crane. Hopefully these two toys will bring in some money for our club!!"

ILLAWARRA Festival of Wood

OCTOBER
Sat 12+Sun 13
10-5 Bulli Showground

"Every tree has a story"

WIN snep TOTAL TOOLS WOODWORK CENTRE

f i

Plank Competition. David Edwards continued from page 7

The initial attempts were for a machine that used 10mm marbles per the plans, however I couldn't buy that size and ended up with marbles 16-17mm diameter.

That meant that I had to resize the plans by 55%, which after a lot of mucking around with Sketchup (and abandoned), was done quite easily in our Laser Machine Lightburn software.

The plans as downloaded were pretty flimsy so I changed a lot of things to make it more robust, and hopefully kid proof. The original drive was a very small battery electric motor which I changed to a hand crank and in doing so, had to change the size of the gears. The gears were cut using the club's laser.

Also, the marbles kept jumping out of the top of the wheel and missing the track, so I made an acrylic keeper to fix that problem (still happens occasionally).

There are two interchangeable modules here today that I've called the "saucer module" and the "toggle module". I have templates for one more module but have not commenced making it yet.

Dark finish is Cabots water-based "Cedar" Stain & Varnish Light finish is Monocel oil-based "Baltic Pine" Stain and Varnish

So, in summary:

- ☐ Plans from internet
- ☐ Built pantograph to build parts
- ☐ Pantograph templates and acrylic parts cut on club's laser
- ☐ Couldn't buy 10mm marbles so scaled everything up using Lightburn to take 16mm marbles
- ☐ Plans too flimsy so had to redesign to make robust and kid proof
- ☐ Changed from electric drive to hand crank ☐ 2 x modules and one more in pipeline"


1ST PRIZE

Flying Qantas, two return Premium Economy class tickets.
From Sydney, Melbourne or Brisbane to Los Angeles.

Donated by Qantas.

PLUS \$1,000 spending money.

Donated by McDonald's Sutherland Shire Restaurants.

2ND PRIZE

Two nights accommodation in a deluxe room for two people at the Crowne Plaza, Hunter Valley.

PLUS Full buffet breakfast at Redtail Restaurant.

PLUS Dinner for two people at Muse Restaurant Hunter Valley (to the value of \$300.00).

PLUS Hunter Valley Wine Tasting for two people.

Donated by Australian Hotels Association New South Wales.

3RD PRIZE

\$1,000 worth of Westfield Gift Cards for the ultimate shopping or dining experience.

Donated by Westfield Miranda.

4TH PRIZE

Cronulla Experience. Two nights accommodation in a one bedroom apartment

for two people at Quest Cronulla Beach.

PLUS \$200.00 voucher at Northies Cronulla Hotel.

Donated by Northies Cronulla Hotel.

5TH PRIZE

Bose Quiet Comfort 35 Wireless Headphones II.

Donated by Abroenet Constructions.

PRIZE SPONSORS:**PROUDLY SPONSORED BY:**

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ONE FOR YOUR DIARY.

Our October Maxiday Saturday
12 October, 2019 has multiple
themes.

- ♦ Mitreset Demonstration
- ♦ Boxes of all shapes and sizes
- ♦ Use of metals, plastics, acrylics, gilding
etc in box making.

So bring along your boxes, your
ideas and your questions.

See you on Saturday 12th

SHOW & TELL SEPTEMBER 2019



Alan presented this cake decorations and advised "My two grandchildren have birthdays at this time of the year. As several birthday themed and personalised cake toppers had been made by other members, I thought I would make some too. With help from Ian R (who else?), I designed and made

cake toppers for my grandson Hayden and granddaughter Paige. The toppers were made out of yellow acrylic and I am pleased with the result. The children both have been very sick so we have not yet had a chance to celebrate their birthdays with these items. This should happen soon."



Barry presented these 5 3D Christmas Scenes and advised "Found the plans for these items on the Scrollsawers Blogspot. However as there are 6 layers decided that if they were to be saleable for the Club there had to be a quicker way to cut out the six layer than the many hours needed to cut them out on the scroll saw. Sent the plan off to Ian who

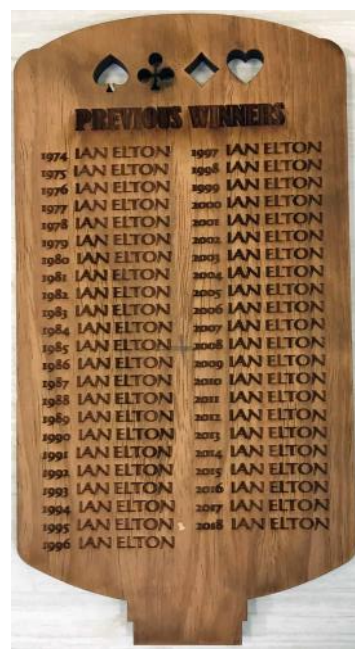
transferred the images to Lightburn files and cut them out on the Laser Cutter/Engraver. Each set took about 4 minutes to cut out on the Laser. However the painting is a different matter. There is an hour or more in painting before gluing up. I trust they will be saleable at our forthcoming fund raising fairs."



Steve presented this Intarsia Rose and advised "The Rose pattern came from

Scrollsaw Woodworking & Crafts magazine, all pieces cut on the scroll saw then sanded to shape, coloured with Ubeau wood stain and glued together on a backing board."

One of President Ian's Coffee and Euchre playing mates needed a boost. So Ian made this presentation. It reads on the front "Old MANS Coffee Club Euchre Championship 2019 Most Improved Ian Elton" and on the back it listed Ian Elton as the most improved player every year from 1974. We hope Ian Elton got the joke!!!



Our Club's Chief Cook and Bottle Wash, Richard, presented this glass topped occasional table and advised that the table frame was made at the Club some time ago as a demonstration on the use of Festool Domino jointing system. Richard decided to finish it and had to purchase bevelled safety glass for the top (he was not able to find a suitable piece on the side of the road). For persons who are unaware Richard is also known as and has the reputation as the Club's "Steptoe".

SHOW & TELL SEPTEMBER 2019



Julie presented this Puppet Theatre and Puppet and advised "When I first heard about the plank competition I knew I wanted to make and donate a toy that was both colourful and uplifting to a child.

The idea of a puppet theatre and a clown marionette came from the real life clown therapists who visit the children in oncology @ Westmead children's hospital, who bring smiles & laughter to very sick patients.

So my idea evolved into a portable theatre that can be transported from one hospital bed to another. (note the handle on the back of the canopy)

My hope is that child therapists can use this theatre in hospital units for role play and entertainment.

I have learnt so many new skills this year, as I have never attempted any woodwork before.

This project has definitely been a labour of love.

My thanks go to Tim my honey, who is endlessly patient and to both Ian and Ray who helped with my vision."

PS:

The Puppet Theatre was delivered to the Child Life & Music Therapists at the Sydney Children's Hospital, Randwick in September. It created considerable interest with Captain Starlight getting into the act and from all reports it is going to get a good workout around the wards and in the Starlight lounge at the Hospital. Ed.



Malcolm presented 2 Whirligigs and advised "On a recent visit to the SCH at Randwick we were asked to make a rotating mobile for use with very young children. The mobile was colourful and pleasant to the ear with

the bells attached to the hanging acrylic plates. First of all I

looked up some web sites that showed methods of indexing holes. The Hub jig was the result of my research. I drew a pattern with diagonals to match the six arms of the mobile including intermediate diagonals and pasted the pattern onto the hub. Then mounted the hub on to the jig and the jig onto the drill press. The resulting holes were then evenly spaced and to the correct depth. Prior to all this of course the base and hub were turned to the required dimensions on the lathe. The base and post were made of American Oak while the arms



were 16mm Tasmanian Oak. The holes in the arms were drilled using the jig shown which made sure there was uniformity in each arm. The coloured plates were cut on our laser machine and attached by standard key rings, as were the bells. Thanks to Barry for purchasing the acrylic stock of various colours plus mirrored acrylic, and to Alan for doing the laser cutting from my Lightburn drawing. The post was glued to the base with epoxy resin glue and the unit was sealed with British Paints "Timber Protect Quick Dry Sealer". The result was very pleasing and more importantly the therapy team at SCH were very happy to receive the mobile. A few more will be made hopefully before our next visit!"



Alan presented this knock down table and advised "My wife is an artist using pastels. She needed a table to hold her pastels while she is doing her artwork. The table needed to be light, compact, portable, stable and easy to assemble and disassemble. This was our second attempt. The table is made from 3 mm plywood. The chassis is assembled using halving joints and the top is located using pins in the table legs fitting into mortises in the top. We initially designed it without the bottom stretcher but found it was not stable enough. Most of the cutting and shaping was done on the Club's laser. As shown it was not yet finished with clear polyurethane which will protect it during its travels and use. It has been used successfully for several outings so everyone is pleased."



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WHAT'S ON!

Saturday, 12 October, 2019

MAXIDAY

BOXES of all types.

USE OF METALS, PLASTICS,

GILDING, ACRYLICS etc

MITRESET DEMONSTRATION

SHOW & TELL

Sunday, 13 October, 2019

Illawarra Festival of Wood

Tuesday, 15 October, 2019

Club Day, Lilli Pilli Workshop

Wednesday, 16 October, 2019

9:00am Club Day, Lilli Pilli Workshop

7:00pm Woodcarvers meeting

Thursday, 17 October, 2019

Club Day, Lilli Pilli Workshop

Saturday, 19 October, 2019

Club Day, Lilli Pilli Workshop

Tuesday, 22 October, 2019

Club Day, Lilli Pilli Workshop

Wednesday, 23 October, 2019

Club Day, Lilli Pilli Workshop

Thursday, 24 October, 2019

Club Day, Lilli Pilli Workshop

Saturday, 26 October, 2019

Club Day, Lilli Pilli Workshop

Sunday, 27 October, 2019

GYMEA SPRING FAIR

Tuesday, 29 October, 2019

Club Day, Lilli Pilli Workshop

Wednesday, 30 October, 2019

Club Day, Lilli Pilli Workshop

Thursday, 31 October, 2019

Toymaking Day

Saturday, 2 November, 2019

Woodcarvers Meeting

Tuesday, 5 November, 2019

Club Day, Lilli Pilli Workshop

12:30pm Committee Meeting

Wednesday, 6 November, 2019

Club Day, Lilli Pilli Workshop

Workshop Market Day

Thursday, 7 November, 2019

Club Day, Lilli Pilli Workshop

Saturday, 9 November, 2019

MAXIDAY

MITRE JOINTS

PICTURE FRAMING

SHOW & TELL

Tuesday, 12 November, 2019

Club Day, Lilli Pilli Workshop

Wednesday, 13 November, 2019

Club Day, Lilli Pilli Workshop

Workshop Market Day

Thursday, 14 November, 2019

Club Day, Lilli Pilli Workshop

Saturday, 16 November, 2019

Club Day, Lilli Pilli Workshop

PRESIDENT'S REPORT

Our September Maxi Day displayed all of the entries into this years Plank Competition. Once again, the standard of entries was exceptional and I would like to thank all members who participated in this years competition. The imagination, the innovation and the craftsmanship that was displayed with each entry shows how far our club has come in recent years. Members are taking on more complex and difficult projects and in particular the finish on all entries was exceptional. The Club has already donated a number of these items to The Children's Hospital and we now have a fine stock of items for the upcoming Gymea Village Fair.

The new Mirka sanding system is getting plenty of use and all members who have used the equipment have been impressed with its performance. The fact that there is virtually no dust created makes this a wise acquisition. My thanks to Ray Tregoning who has made a very practical set of storage drawers that locate on the vacuum unit. Please ensure that all the items associated with this equipment are correctly stored. When completing your sanding please return the unit to its location in the storeroom.

The Gymea Village fair will be held this month and this is a great fundraising opportunity for our club. Please put your name on the notice board if you are able to attend on the day to assist in selling raffle tickets and manning our stall.

During December the club is going to have a dedicated CLEAN UP day where the premises will be thoroughly cleaned of dust and there will be a major disposal of excess timber that we have accumulated. The date will be announced after our October monthly meeting and we will be seeking volunteers to help with this activity. In the meantime if you have any unfinished personal projects at the club can you please take them home.

Happy Woodworking

Ian Rudd, President



Sunday 27 October, 2019 will see our Club represented at the annual Gymea Village Fair. We will have a double stall similar to last year and located near the traffic light controlled pedestrian crossing with a Raffle, the prizes of which will be the talk of the town.

There will be three prizes headed by a Ray Tregoning "Santa and Sleigh worth in the order of \$400.

Second Prize is a Jewellery Box value at \$150

Third Prize is a Cutting Board valued at \$60

and just \$2 a ticket or 3 for \$5. The raffle draw will take place at around 3:00pm on the Sunday afternoon.

So tell your friends to come along and view our wares, all for sale, to help Club Funds and have an enjoyable time.



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