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President: Ray De Marco
Vice President: Alan Ritchie
Secretary: Graham Ethell
Telephone 9522 7674
Treasurer: Bill Lewis
Auxiliary Positions:
Assistant Secretary: Roger Dixon
Assistant Treasurer: Alan Ritchie
Project & Training Sub-Committee: Bob Davis, Stan Kirkman, Peter Mott, Alan Ritchie, Andrew Ryan, & Warwick Tame.
Librarian: Andrew Ryan & Roger Walsh
Safety Officers: Roger Dixon, Alan Ritchie, Warwick Tame, Ken Tyson & Bill Lewis
Welfare Officer: Peter Mott
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Newsletter Editor: Barry Gardner
Assistant Newsletter Editors: Ray De Marco & Fred Seligmann
Catering Officers: Richard Cain, Trevor Lewis, Ken Tyson & Kevin Winter
Equipment Officers: Bob Davis, Alan Ritchie, Roger Dixon, James Windschuttle, Ian Rudd & Ken Tyson
Raffles: Peter Mott
Exhibitions Sub-Committee: Bob Davis, Ian McRae, Graham Ethell, Fred Seligmann (media) & Kevin Winter
Property Sub-Committee: Richard Cain, Graham Ethell, Bill Lewis & Ken Tyson
Toymaking: Barry Gardner, Roger Dixon, Ian Rudd, Warwick Tame, Ken Tyson & Kevin Winter
Woodcarvers' Liason: Kevin Winter

A FACE LIFT FOR OUR LILLI PILLI WORKSHOP

Thanks to the organisation skills of Secretary Graham we now have a great presence in Lilli Pilli and our less mobile members no longer have to run the gauntlet of very rough ground to get to our workshop. Graham advised "We decided on Saturday to end the turf square with the LHS of the building. I had only ordered 18 sm., so Trevor Lewis bought a couple of rolls from his son who's into soil and turf. Also the driver bought an extra 2 sm.



We still need a couple of rolls, which we will scrounge in the next week or so to finish off the LHS and also a bit on the RHS (which was decided today). Some of the cement blocks have also been put down along the RHS of the garden.

The soil was top quality. Trevor Lewis picked it up in his son's truck,

which allowed him to tip the soil where it was needed, and saved shovelling from Richard's trailer. Also he got 3 tonnes, which we used, so Richard would have been making a few trips to The Ridge.

The leveller Roger made was spot on. Also it was good to do it in school holidays as there was no one around. Total cost to the club for the whole paving project was \$1,063.

We had 8 members all up today." (14 April, 2014).

Photos courtesy of Peter Mott and Graham Ethell



LETTERS (Emails) TO THE EDITOR

9 April, 2014

Dear Barry and all at the shed.

Thanks heaps for the newsletter. Mark passed it on to all the staff at the Auburn store and I for one found it a fascinating read.

Regards,

David Stanton

Innovator.

Carba-Tec Pty Ltd

9 April, 2014

Dear Barry,

Thanks as always for the latest newsletter - still much appreciated. Congratulations to Fred for his award.

I saw you included my knife and fire steel projects in a previous newsletter - I feel very honoured and I've proudly shown everyone here at home!

Best Wishes to all

Carsten

11 April, 2014

G'day Barry,

Jack Williams here mate, secretary of the Gold Coast Woodturners. The Redcliffe club has been kind enough to send through your newsletter, probably by mistake, but never mind, many good things happen by accident.

I was wondering if you blokes could send us your newsletter as one is issued so I can send it out to our members so they can see what other clubs around the place are up to. If you'd like then we can reciprocate by sending ours if that interests you at all.

Please let your members know that if any of them are up here on the Gold Coast any time then they are welcome to make contact and call in for a cuppa or a beer or three.

Our club is situate at Mudgeeraba and we are a specialist woodturning club however, we do also do a bit of pyrography on the side.

Cheers

Jack Williams

Secretary

Gold Coast Woodturners

Oops!



This month we have two Oops! for your enjoyment and embarrassment of the

members concerned. The first is a member who will remain anonymous. This member purchased the digital angle finder from Bunnings during the last week of April. Took it home and found that the digital readout was not working correctly (see photo above). Returning the next day with the help of Bunnings staff they looked at two other angle finders with both showing the apparent wrong digital readout. Our member returned home with the idea to return his supposed broken angle grinder to Bunnings the next morning.

However during the evening he looked at this tool again and found that if one turned it up the right way (see photo at right) everything worked perfectly.

Returning to Bunnings the next morning to apologise for the problem, he found that all the angle finders had been taken from the shelves no doubt as faulty.



At the last WWW Show your editor purchased a steel 150mm pocket ruler that was well marked and easy to read. It had markings on both sides. The top readings were in millimetres and the bottom readings I assumed were in inches. Having previously apparently used only the metric scale, I had occasion during the last week of April to

thickness down some wood to one inch and used the ruler to confirm the inch thickness. Going back to the workbench at Lilli Pilli I could not understand why things didn't fit together. I rechecked the measurements at least a few additional times until looking at the one inch thick timber it did not look right. I took another ruler and found the one inch was in fact around 1.2 inches or 30.3mm. Then looked back on my pocket ruler. Apart from the top metric measurements on one side the bottom measurement was in inches but the bottom scale on the other side for "1" was 30.3mm. Further investigation, thanks to the internet, I found that the 30.3mm was a Japanese length measurement known as a "sun". So I can now build something from a Japanese plan, I suppose.



MAXIDAY: SATURDAY

10 MAY, 2014...AGENDA

8:45am	Open Lilli Pilli Workshop
9:00am	Monthly Meeting
10:00am	Morning Tea .
10:30am	Show & Tell
11:00am	Scrollsaw Puzzles
12:30pm	Lunch
1:00pm	Raffle Draw
2:00pm	Scrollsaw Puzzles continued and members own projects
About 4:00pm	Close

Raffle Prize Winners

APRIL 2014 MAXIDAY

1st Prize: Michael Green \$25.00

2nd Prize Ian Rudd \$15.00

3rd Prize Roger Dixon \$ 5.00

BOXMAKING EXTRAORDINAIRE

Ian Rudd (pictured at right) gave us an insight into the realms of speciality boxmaking at our April Maxiday and confirmed his expertise with some of the examples of his boxes in the collage below. Ian advised "My approach to box making is to try and maximise the beauty of the wood. Laying out the box so that the grain runs around the corners, showing fiddleback grain as a feature and choosing contrasting species are all ways to give a box some extra eye appeal. I like the use of sliced Banksia nuts or burls such as Jarrah or Mallee as a feature to decorate a lid. Another simple way to decorate a lid is to use veneer glued as a sandwich to ply or MDF and fit the veneer piece into the lid assembly.

As you are going to spend a lot of time and energy in making a box, make sure that the wood you use is capable of accepting a good finish and is free from cracks. The wood needs to be properly machined to size and if possible, the faces that will become the inside of the box should be sanded before making the box.

Many box makers recommend the proportions of the box should match the Golden Ratio. In simple terms this ratio of approximately 13:8 is said to be pleasing to the eye and I generally use it when making rectangular boxes.

Another design consideration is how the box will be hinged. You need to consider how the hinges will be attached and how

will the lid be restrained when the box is opened. There are many different types of hinges available for boxes and another option is to make wooden hinges."



While a number of members were busy beautifying our Lilli Pilli Workshop, three members ventured north with five other mates of Barry's to South West Rocks to do some 4 days deep sea fishing. Ken, Roger and Barry pictured at right on day one on the way to the fishing grounds.

With a cyclone in Queensland, a major southerly blow and a 2.5 metre swell, some rain squalls and up to 50km wind gusts the liveliness of all fisherman soon dissipated as the only area that produced any real fish was a FAD which was 16.5 km off shore in 104 metres of water. Most of the fish caught were Mahi Mahi (Dolphinfish). Some of the caught fish as can be seen in the photos below.

Also we see Roger showing off one of his catches. Woodwork is a much calmer occupation.



An article in the Leader Newspaper on 8th April this year headed "Retirement Views Challenged" caused some considerable angst at our coffee breaks at the Workshop. It caused our President Ray even more angst to the point that he wrote a response which was published in The Leader. Here is Ray's response.

"I appreciate Henry Collins is "selling" his book but his views need to be challenged. As a 73 year old retiree and a member of two clubs let me refute his points.

"RETIREEES should forget minding grandchildren"

Disagree; enjoy them, love them while you are able and while they are young, but do not forget to hand them back

"They should also get rid of Mr fix-it, and the gardens or fix the car unless they want these roles."

Disagree; if you are interested and happy to help, just do it! Do not forget to stay for dinner or at least have some of their beers "People close to retirement should make a complete break".

Disagree; ease yourself into it, if you can. Some friends of mine found the sudden cut-off difficult. They did all the odd jobs & then what?

"Modern medicine meant retirees could live another 25 years"

Only part of the equation. Be physically active, make friends with an interest or a new hobby that makes you happy. Then you will reduce reliance on old and modern medicine alike as they are not the answer to longer life, be pro-active.

Yes, stimulate the brain but sitting down for long periods writing books, is very questionable. Make a difference and feel good, join a club and for example help the under privileged, particularly children to stimulate your brain and be happy.

Ray De Marco"

AUSTRALIAN WOOD HARDNESS

(See Article Page 5)

	Janka Rating
Australian Beech	7.5
Australian Buloke	22.6
Blackbutt	9.1
Brushbox	9.5
Cypress Pine	6.1
Flooded/Rose Gum	7.5
Ironbark	14.0
Greybox	15.0
Jarrah	8.5
Karri	9.0
Merbau	8.56
Red Mahogany	12.0
Spotted Gum	11.0
Sydney Blue Gum	9.0
Tallowood	8.6
Tasmanian Oak	5.5
Turpentine	12.0
Victorian Ash	4.49
<i>Other timbers</i>	
Oregon	3.2
Light Meranti	2.6
Red Mranti	3.5
Teak Plantation	4.5
Lignum Vitae	20.0
Balsa	0.45
Radiata Pine	2.1



The above is a sample box of Victorian Woods prepared by the Victorian Forestry Commission for tree identification.

WHAT IS WOOD?

We woodworkers work with wood most of the time but have we ever thought what wood is? Well Stan Kirkman gave us an excellent power point presentation explaining just this issue at our April Maxiday. Some of the information Stan discussed is contained in the following slides from his presentation.

What is the difference between a hardwood and a softwood?

Woods

The distinction between **hardwood** and **softwood** actually has to do with plant reproduction. All trees reproduce by producing seeds, but the seed structure varies.

Hardwoods

Hardwood trees are angiosperms, plants that produce seeds with some sort of covering. This might be a fruit, such as an apple, or a hard shell such as an acorn.

As a general rule:
For the most part, angiosperm trees lose their leaves during cold weather and are therefore deciduous.

Softwoods

Softwoods are gymnosperms. These plants let seeds fall to the ground as is, with no covering. eg. Pine trees, which grow seeds in hard cones, fall into this category. In conifers like pines, these seeds are released into the wind once they mature. This spreads the plant's seed over a wider area.

As a general rule:
Gymnosperm trees keep their leaves all year round. So, it's accurate to say Softwoods are evergreens.

Rings reflect the age of timber

These are century markers

Houn log at Lake Peeder Tasmania

Hardwoods are more dense and have pores to carry water

Softwoods have longitudinal tracheids to carry water



Wood Hardness Levels

Classification	Lower Value	Upper Value	Level	kN Lower	kN Upper
				0.0044482	
Extremely Soft		1	300	1	2 1.334466
				1.3389142	
Very Soft	301	600	2	2	2.668932
				2.6733802	
Soft	601	900	3	2	4.003398
				4.0078462	
	901	1200	4	2	5.337864
				5.3423122	
Somewhat Hard	1201	1500	5	2	6.67233
	1501	1800	6	2	8.006796
				8.0112442	
Moderately Hard	1801	2100	7	2	9.341262
	2101	2400	8	2	10.675728
				10.680176	
Hard	2401	2700	9	22	12.010194
	2701	3000	10	22	13.34466
				13.349108	
Very Hard	3001	3300	11	22	14.679126
	3301	3600	12	22	16.013592
				16.018040	
Real Hard	3601	3900	13	22	17.348058
	3901	4200	14	22	18.682524
				18.686972	
Extremely Hard	4201	4500	15	22	20.01699
	4501	4800	16	22	21.351456
				21.355904	
Extraordinarily Hard	4801	5100	17	22	22.685922
				22.690370	
Bloody hard	5101	10000	18	22	44.4822

<http://www.diffen.com/difference/Image-Hard-wood-vs-Softwood.jpg#file>



Thought members may be interested in some of the exhibits entered into the woodworking categories in the Craft Exhibits at the 2014 Sydney Royal Easter Show.



Congratulations to Merv Larsson, Southern Region Woodturners, Oyster Bay for winning 1st Prize at the Show for his segmented bowl. Well done and well deserved Merv.



Library Matters

We have received our latest issue of Fine Woodworking (June 2014 No 240) with following articles:

- ♦ Handwork - Tale of the tape, how painter's tape can help you cut perfect dovetails
- ♦ Build Storage into Any Bed
- ♦ Flawless Hinges in Fine Furniture
- ♦ A Box Worth Repeating
- ♦ Lamination Delivers Beautiful Curves
- ♦ Turn Drawer Pulls Without a Lathe
- ♦ Tool Test – A review of 12 inch Chopsaws
- ♦ 3-D Shelves Enliven Any Room
- ♦ Toughen Wood with Epoxy
- ♦ Some good advice in the Q&A section.

All the best and safe woodworking

Roger Walsh, Club Librarian

Having made some adjustments to the MRI Tunnel Bed Simulator as asked for by the Sydney Children's Hospital, Randwick. (See story in last month's Sawdust & Shavings.) It was returned to the hospital late in April and is now in full use. In fact we have been asked by St George Hospital to make one for them as they take any overload for MRI's for children from Randwick. This we will be constructed over the next month at the Lilli Pilli Workshop. So if you would like to assist or see how it is done then details will be available at our May Maxiday.

We added 10 memory boxes and 2 worry boxes to our return delivery to the hospital last month.

**CHARITABLE
TOY COUNT for
2014 to date
283**

SHOW & TELL APRIL 2014



Warwick presented these two items and advised "The truck is a copy of the famous Mercedes Lorry. The truck plans were a free download from Toy Magic.

Made from Camphor Laurel and Cedar. I have left the truck unfinished so that the smell of the wood can be appreciated by young children.

I used a keyhole cutter to make the wheels and finished on the lathe. The rest of the cut outs on the table saw. This is an easy project that would suit

anyone wanting to make a wooden toy truck.

The Clock was made from oak not sure what kind, possibility English, and the design was made up as I went along. Having cut the circle to fit the clock movement I decided to experiment with half cut circles as a decoration around the clock case. First attempt looked out of character so settled on a simple design. The moulding on the top of the clock case proved a challenge being too small to cut out on the router table. So instead I used a trim router at reduced speed so as not to burn or splinter the wood. The finish is satin polyurethane rubbed back with steelwool and carnauba wax.



commercial black plastic racks.

Thanks Alan for organising our router bit collection. Alan has made this holder that fits into one of the drawers in our router table. It replaces those

Ian did not include his puzzle box seen at right in his talk on boxes reported earlier in this newsletter.

Here is the trick. To open this box one needs to make 147 moves. That would test anyone's patience.

One does wonder how many have been made and how many remain intact and not suffering from hammer blows resulting from frustration.



ANOTHER CLUB PROJECT:

Members will recall the regretful passing last month of

Roger Norman. It has been found that Roger had a few unfinished projects. One of which was a set of speaker boxes and other amplification equipment for the Bundeena Community Band. His widow Lyn and the manager of the band, Nick Galvin, have asked if we would consider making the speaker boxes that house the 400mm speakers. It is likely that Lyn and Nick will visit us during the afternoon of our Maxiday with the equipment for us to review. Peter O'Connell who has some interest and expertise in audio is very interested in pursuing this project.

Any other members who have some interest and or expertise in anything audio would be most welcome. Your input will be most appreciated.



A PROUD GRANDFATHER BOAST!

What does a grandfather do when his 10 year old granddaughter asks if she could scroll saw some shapes so she can enter the woodworking competition at the Camden Show? Obviously he does not say no.



So Isabelle, seen busy in grandad's workshop above, made two items for the show. Guess what? She not only got a prize for her two scroll sawn pieces but won first and second in the under 15 year old section.

The photo at left shows the winning entries.



SHOW & TELL APRIL 2014



Any members who have been down at the workshop recently would have seen Roger busily cutting out some strange shapes. Well all is now revealed. Roger advises "Egg Display Stands (3). I delivered these stands to same local butcher on 8 April so again won't be able to bring them to Maxi Day show & tell. This is now 6 for the same customer and will be used to display painted eggs during Greek Easter celebration They were cut from 8mm plywood squares, slotted and then shaped to templates before drilling the holes. Sanded smooth and finished with 16 mist coats white spray undercoat (sanded after 8 coats and again after 16) and then 6 mist coats white spray enamel."



If you would like to receive this Newsletter please email the editor at shirewoodworking@bigpond.com



THE APPALACHIAN DULCIMER

The Dulcimer is derived from the German Zither and upon its arrival in the U.S.A. it was adopted and adapted by the folk of the Appalachian mountain area and has since spread across the South of the American states.

The dulcimer has 3 basic shapes i.e. Hourglass, Teardrop and Eliptical. Mine is the Eliptical because that is the pattern that I found in one of the club's woodworking magazines.

The construction is very similar to the ukuleles that I have made with the soundbox, top, sides and bottom of 2.5 mm hardwood. The best timbers are mahogany, walnut, cherry and maple. I would imagine Tasmanian Blackwood would do as well. These are all cut to the dimensions of the plans and glued together using kerfing inside the sound box to give a broader gluing surface for the top and bottom surfaces.

Unlike the ukulele, the fret board extends the entire length of the sound box with notes being played the entire length and is glued to the longitudinal centre line of the top surface of the sound box. It has a channel routed out from the longitudinal centre which corresponds with a cut-out on the sound box top surface prior to gluing the fret board to the sound box. This serves to produce a terrific resonance in the sound box. Also unlike the ukulele, there are only 3 strings. The instrument is meant to be played on the lap with the closest string to the body being the melody string upon which the song tune is played with one finger against the appropriate fret. For the more dextrous, chords can be produced using all strings and four fingers of the left hand at the same time while strumming with the right hand.

A good Danish oil finish would be most appropriate.

David Whitney



Gary presented two items. He advised "Shinto saw rasp - for metals and timber. Purchased from Carbatec for \$40ish. Fine on one side and coarse on the other.

Saw bench made from offcuts from garage cabinets. Laminated 3 sheets of ply from the club. Gap left for clamps and ease of carrying. Very basic but very useful.



SHOW & TELL APRIL 2014



Barry showed two platters he made from some Silky Oak gifted to the Club. They are for the Club to sell. He also showed this mini pendulum clock he made from a

design found on the Web.



Jan Westerhof showed us the items displayed above explaining the problem he had with the turned pedestal.



Roger has been at it again making this Instrument Storage Box. Roger advised "This box will be donated to Moorefield Bowling Club & will be used to store measuring equipment for the umpire. Overall dimensions were 450mm x 250mm x 250mm.

The carcass was constructed using 8mm plywood with dovetail joints. To minimize chip out a 6mm sacrificial plywood piece was clamped in front of the cutter. A 6mm bottom was rebated up 6mm and a 6mm extra bottom was glued in to fill the gap under the rebate. The box was then cut around the perimeter to produce a 30mm lid. A cedar rail was glued front & back to support longer screws for the brass hardware. Areas where there are no support, setscrews, nuts and washers were used. The handle has a brass bar support and also fixed with setscrews, nuts & washers.

An insert tray was constructed with dovetail joints, rebated bottom and partition. Lift out Finger hole drilled at each end. Ends also rebated to allow for screw heads on lid stays. The tray is supported by rails glued at each end of the box.

Prior to finishing, the name of the club was burnt into the front panel using pyrography tool. Final finish was with Cabots teak stain & 7 coats of Danish oil. To finish it off bottom of box & tray covered with green felt.

Thanks to Ian Rudd for his input"

Roger Dixon



WHAT HAS KEN GOT IN HIS BAG OF GOODIES?

Ken tells the story that his wife Dreena, being a person very much involved in crafts was visiting the MacArthur Annual Doll, Bear and Creative Fair at Campbelltown in March this year. Late in the show she purchased a few soft toys for family members and got talking



to the seller. The conversation got around to Ken's involvement with our Club and the Charity work we do. At which time this lady seller tossed a number of the soft toys in the bag as a donation to our Club's work.

We do not know who the lady was but we thank her all the same.

So we now know what was in Ken's bag!!!



WHAT'S ON!

Saturday, 10 May, 2014
Scroll Saw Puzzles—Warwick Tame Show & Tell

Tuesday, 13 May, 2014
Club Day, Lilli Pilli Workshop

Wednesday, 14 May, 2014
Club Day, Lilli Pilli Workshop

Saturday, 17 May, 2014
Club Day, Lilli Pilli Workshop

Tuesday, 20 May, 2014
Club Day, Lilli Pilli Workshop

Wednesday 21 May, 2014
9:00am Club Day, Lilli Pilli Workshop
7:00pm Woodcarvers Meeting

Saturday, 24 May, 2014
Club Day, Lilli Pilli Workshop

Tuesday, 27 May, 2014
Club Day, Lilli Pilli Workshop

Wednesday, 28 May, 2014
Club Day, Lilli Pilli Workshop

Saturday, 31 May, 2014
Club Day, Lilli Pilli Workshop

Tuesday, 3 June, 2014
Club Day, Lilli Pilli Workshop

Wednesday, 4 June, 2014
Club Day, Lilli Pilli Workshop

Saturday, 7 June, 2014
Woodcarvers Meeting

Tuesday, 10 June, 2014
Committee Meeting

Wednesday, 11 June, 2014
Club Day, Lilli Pilli Workshop

Saturday, 14 June, 2014
Making a Wall display (Shadow box)
Stan Kirkman and Warwick Tame to speak on some appropriate wood finishes

Tuesday, 17 June, 2014
Club Day, Lilli Pilli Workshop

Wednesday, 18 June, 2014
9:00am Club Day, Lilli Pilli Workshop
7:00pm Woodcarvers Meeting

Saturday, 21 June, 2014
Club Day, Lilli Pilli Workshop

Tuesday, 24 June, 2014
Club Day, Lilli Pilli Workshop

Wednesday 25 June, 2014
Club Day, Lilli Pilli Workshop

Friday, Saturday & Sunday, 27,28 & 29 June, 2014
The Sydney WWW Show

PRESIDENT'S REPORT

On the second Saturday of each month we have what is called our Maxi day. It is a day where the agenda starts with a formal but friendly meeting to keep our members updated and what follows is a safety or "how to" power equipment based video that in turn is followed by members presenting their wood items in a Show & Tell. Lastly, there is the transfer of knowledge and skill in making of wood items of interest by members or invited guests.

It is very interesting and I have mentioned in previous reports the observations on these Maxidays confirms how we have grown and matured as a club. We now witness on a regular basis a great variety of quality wood items produced and presented by members in our Show and Tell segment.

Last month our Maxi day was no exception and what we saw was exceptionally good. Our meeting was followed by a very informative and researched presentation of both soft and hard wood timbers by our member Stan Kirkman. He was self effacing but in woodworking terms you could say he was, polished, clear, well structured and had no rough edges. Some of us would Pine for his knowledge. Well done Stan.

He was followed by our Show & Tell where our members had items to discuss none with any oop's. Again a great variety and quality; there was Warwick Tame with his truck and clock, Alan Ritchie presented his router collection for our use and Roger Dixon presented his instrument storage box. There were bowls from both Jan Westerhof and Barry Gardner and Barry also had his pendulum clock made from silky oak. Ron O'Malley discussed his very moving remembrance box with a carved lid with the name of a deceased young Matthew. Ken Tyson brought in soft toys and David Whitney had his Appalachian musical 5 string "harp".

To finish the morning and with a follow-on after lunch Ian Rudd our renown master craftsman of box making displayed his numerous items and undertook a detailed and very interesting training and information session. Thank you again Ian.

Last month we delivered the modified, enlarged MRI simulator to the Children's Hospital Randwick thank you again to Roger Dixon. My recent call to Kerry Crannis revealed how extremely happy they are with the MRI and that message has flowed through to St George Hospital at Kogarah. As they are getting an overflow of patients from the Children's hospital they have approached us in need of one. Kim from their medical imaging area has visited us and seen the enlarged version and would like to proceed. This will be a great opportunity for our interested members to be involved in the development of our second MRI simulator.

Ray De Marco

**A NOTE FOR YOUR
 DIARY:
 THE SYDNEY TIMBER &
 WORKING WITH
 WOOD SHOW IS ON
 AT SYDNEY OLYMPIC
 PARK
 ON FRIDAY, SATURDAY
 & SUNDAY
 27,28 & 29 JUNE, 2014**

*This Saturday
 Maxiday 10
 May, 2014 will
 be all about mak-
 ing puzzles on our
 Scroll Saws. So
 if you have some
 puzzle designs
 that can be made using other
 equipment or the scroll saws then
 bring them along. The more the
 merrier.*

