



Issue No. 230

August 2016



Presidents Report - AGM 20-08-2016

To all Fellow Members of the Guild,

It is my pleasure to present my Annual Report to the AGM as President for 2015/16 and suffice to say, this year has been busy as always for the Club.

The daily functioning of the Club generally has run like clockwork and is a reflection of the dedication of all involved in organizational positions. As I have often said about the Club, things that need doing mostly just seem to happen with all members taking responsibility for the good of the organization.

The training of skills in the Club has been ongoing with special thanks to Ivan on turning and Robert Otto on general woodworking. All courses have been well attended and it is fair to say that this is a very important objective of the Club to assist all members in upgrading skill levels and exploring other disciplines in woodcraft.

Our Toy Boys and Girls achieved a significant record last year with in excess of 1000 toys going to the Salvation Army for distribution at Christmas. To date this calendar year, we are on target for another huge contribution thanks to Don, Hugh and the rest of the team.

Again this year our participation at the Maleny Chainsaw to Fine Furniture show, the Australia Day exhibition, our July Expo have all been a success with great exposure to the public of what the Guild can do. Financially the Expo did not prove to be the success of previous years but then, how were we to know a double dissolution election would be called on the very day we had booked our event. Overall, the finances for the year 2015/16, as evidenced in the audited reports have shown a very satisfactory result.

The Shed Management this year has seen a working bee to clean up the yard of all old logs etc. and a general re-organization of the timber stocks. This coupled with the introduction of new milling patterns by the milling teams is showing benefits of better quality sawn wood going into stock. The quality of the stock will only improve next year as older redundant stock is used and culled. I wish to extend my sincere appreciation to the timber milling crews and the Shed Managers, Graham Bradford and Bruce Chapman.

Some members will notice the re-organization of the tool storage in the shed as well. Thanks to Robert Otto, Bruce Chapman and their dedicated crew for this work; It is so nice to be able to find the right tool when needed. Great work!

The Guild has tackled some interesting Club projects for the community this past year and it is very heartening to note the willingness of members to put their hand up to do these. We have made honour boards, cabinets, seats and current work in progress such as the multi-media display units for the Mapleton Library are all jobs which require different woodcraft skills. Well done to all members involved.

It should be noted that the management group have decided that the Guild should progressively move to replacement or purchase of tools and equipment which are high quality and useful for the broader requirements of the various woodcraft disciplines.

Early in this year, we called a general meeting to explore the future needs of the Guild and the ideas generated then formed the basis of a five year and beyond plan for the future development of the Guild. It clearly identified the need for extra space and better storage facilities for timber and as a result of the adoption of that plan, we are progressing on with the building of a new facility on the third redundant tennis court.

Presidents Report continued.....

The plans are currently going through the approval stage and we have applied for a grant to start with the construction of the slab.

This is an exciting time as a foundation for the next decade (our third) for future of the Guild and promotion of woodcraft on the Range.

On a sad note, Ed Kruger passed away this year and his passing highlights our personal vulnerability. We also saw some members relocate from the Range and might I say, they are missed, however we wish them well in their new environment.

I have thoroughly enjoyed my role as President for 2015/16 and wish to sincerely thank those members of the management team who have always been there with assistance, advice and support.

The BRWG is a community organization all members can be very proud of.

Cheers,
John Muller
President.

Important Notice

(From he who holds the purse strings!)



Your subs for the next 12 months are due.....please check that you have paid yours.

The cost of membership has once again been held at \$40 (\$45 for couples).



REMINDER



Our "20th Anniversary" is being held at the Shed on Sunday 11 September 2016 - 11.30 am for 12.00 Noon. The cost of the function is \$10 per person. What do you get for \$10 you ask, well this is the meal of the century. You will enjoy a professionally catered spit roast with 3 meats, hot vegies and salads as well as birthday cake, tea and coffee and great camaraderie. We plan on a number of Dignitaries attending including both Federal and State members plus the Mayor and Councillors. A cash bar will be operating at very reasonable prices. Tickets will be on sale at the Club from 1st to 25th August. We do have a limit on numbers so get in early.

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Using wood screws:

Are you one of the guilty Woodies who "Don't have time to muck around with pilot holes" when driving screws? I must admit that the temptation is there when using softwood and a beefy battery drill is at hand and you have Arnold Swatzenegger muscles. But without predrilling, everything will be stressed; the screw, the drill, the driving bit, the wood (often to the point of unseen hairline cracks which may open up over time with changes in humidity) and yourself physically, and sometimes mentally when you get 'Cam out' that tell-tale rattle and vibration which makes you push harder, ruins the screw head and the driver bit and brings sweat to your brow. Another result of failure to predrill is the fact the screw's main function, a clamping action between the top board and the bottom board, is neglected and a gap will sometimes remain which cannot be bridged with glue.

I use a quick trick to judge drill sizes: I guess the size of the pilot hole drill bit I will need, I hold it up to the light with the screw behind it. If the drill bit covers the reduced body of the screw and the screw thread points are clearly visible behind, that will do it! The top board should have a clearance hole that will allow the screw to rotate freely so that clamping action occurs, I use the same trick again, but this time to ensure that I cannot see the screw thread.

Drill the pilot hole right through both boards, or as far as you need to go, then drill the clearance hole through the top board only. The wood will accept the screw happily and you will have the satisfaction of a craftsman.

One last nod to the wise; When countersinking, do it first, before you start drilling, the screw head will fit and there will not be any unsightly tearout.

Safety Notes

By Warne Wilson and Dave Banister



This month I thought I would write about the items in the 'Rogues Gallery' the shelf of charred and damaged items on the shelf up beside the stairs.

1. Remnants of what could have been a bad fire which started in a drum under the cyclone. Luckily someone noticed it before the last person left and locked up one morning and the situation was saved. It was started by a scrap of wood jammed against a saw blade and hot embers found their way through the ducting and into the drum of shavings. Under a rule brought in at that time the Shed Captain for the day has to remove the drum from under the cyclone and inspect it before shifting it away and locking up for the day.
2. A pointed section of a wooden disc which flew when an elderly member started a lathe at speed. The member was standing in line with the spinning disc when the parted section we have kept, hit him forcefully in the chest. He had a pacemaker fitted and he stood there thinking 'This is it!' but the pacemaker kept ticking and he is still with us.
3. A section of small round log with a piece of bandsaw blade firmly jammed in the start of the cut. The log was presented to the blade to be cut freehand; of course the moving blade tried to rotate the log, it jammed and broke and fortunately the member, guilty of not using a cradle to support the log, escaped without injury, but Bang went another bandsaw blade!
4. A section of large blade from the Wadkin Bandsaw. The teeth are badly deformed and bent to one side at an acute angle. We never did find out who did that and walked away without telling anyone. Wood, even the hardest of hardwoods could not possibly deform the teeth like that, it must have been metal, maybe a bolt or a large screw imbedded in the piece being cut? Anyway, there was no blood in evidence, so the perpetrator escaped without a scratch!

When you can, the shelf and its exhibits is well worth a visit and there are several other items. If you have any questions, ask one of the senior members who will be pleased to either explain or add a theory!

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Rob Otto gave an interesting demonstration of the changes to the methods of producing tapered legs for furniture pieces.

At left are a couple of jigs used with the table saw. Inherently dangerous and difficult to use, they have been replaced by a much simpler and safer method using the jointer.

In the photo top right, notice the stance to adopt when using the jointer.

A finished leg.



Club Events Calendar from Rick Vickers

Our 20 year Anniversary - September 11 - 11.30 for 12.00
Spit Roast lunch at the Shed. Cost \$10

Santa Shop at St Mary's Hall Montville (in conjunction
with Lighting of the Christmas Tree) - Sat 3/ Sun 4 Dec

Woodies Christmas Party - 9 Dec at Flaxton Gardens - cost
\$25 per head.

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Around The Shed



This is what the Mezzanine floor looks like now.
Tidy and useable.

Please keep it that way and don't use it as a dumping ground for things that there is no immediate use for but might come in handy one day!!!!!!!

Thank you to the Cleanout Crew!

Do we have any HAND SAW collectors.....

James Parsons has a friend with 4 saws which his father in law used throughout his life and would like to give them away if someone is interested in old tools

He has 1 small panel saw (Jackson)
1 Disston saw 7 t/in
1 Spear & Jackson saw 8 t/in.
1 saw no name 10 t/in .

His name is Jeff Smith Ph 0417 959 555



What Is It # 1!

A wooden box containing 12 wooden things with spring loaded buttons on the bottom with the pressure corresponding to the illustration on the top



What Is It # 2!

A plastic ball with a shaft and a pointy end found in a box of tools.

All suggestions will be treated in the strictest confidence and the winning entry will receive a 12 month subscription to 'Flitch and Chips' Luxury Edition hand delivered to your email address!



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- [?] Wire rope on Slab Saw winch renewed.
- [?] Jet tool rest extension arm repaired.
- [?] Storage bracket fitted to Woodman saw for mitre attachment.
- [?] Abrasive belts replaced on sanding machinery as required.
- [?] Drive belts on 20" thicknesser tensioned and feed roller tensions increased.
- [?] Repairs to trimmer router adjustment sleeve clamp.
- [?] Inserts on Woodwhiz router rotated.
- [?] Repairs to upper blade guide on Wadkin bandsaw. This repair was necessary due to a seized thrust bearing, but also because the blade tracking was misaligned.

Shed Captains should note that when bandsaw blades are replaced, particularly on the Wadkin and Laguna machines, the blade tracking must be checked and the guides adjusted as required. Failure to do this may result in machine damage. If you are unfamiliar with the procedures, ask somebody who is.

The cutting action of a bandsaw blade is complex, depending on such variables as blade speed, feed rate, tooth shape and pitch, material density and height of cut. When a tooth engages with the material, it is moving downwards and also advances into the material due to the feed rate. Therefore as a tooth passes through the material, its depth of cut is increasing. e.g. Consider a 200 mm high resaw cut on the Laguna bandsaw. This saw has a blade speed of 17 m/sec. with a blade tooth pitch of 8.5 mm. Therefore a tooth passes through the cut in 0.01 sec. and at any instant, 23 teeth are engaged in cutting. Note that this saw has a resaw height capacity of 325 mm, so in that scenario, 38 teeth are cutting. As the number of cutting teeth increases, the feed rate has to be reduced and cannot be forced.

The feed rate is also governed by the capacity of the gullet in front of each tooth to store swarf (sawdust). Once the gullet fills with swarf, the cutting efficiency of a tooth becomes restricted. A high cut requires a slower feed rate. If the workpiece is forced, i.e. too high feed rate, the teeth gullets will clog before exiting, restricting tooth penetration, local overheating will occur, the blade may accumulate heated resin and may be deflected to the side, spoiling the cut.

If, when performing high cuts, the blade appears blunt, it is likely the teeth are clogging with swarf. Ideally, a specific blade could be fitted to suit various cutting applications, but in the BRWG Shed environment, this is not practical. So providing the blade is sharp with correct machine setup, be aware that on high resaw cuts, the feed rate cannot be forced. Preferably, use the Wadkin bandsaw for cuts in excess of 200 mm. This saw is accurate and the larger tooth pitch facilitates easier cutting.

Too often, one hears the 15" Thicknesser being overloaded or even stalling due to inappropriate use. The maximum depth of cut on Club Thicknessers is one half turn of the adjustment wheel. However, when dressing wider boards or tougher timber on the smaller 15" thicknesser, this must be reduced to ¼ turn to avoid the overload situation. Please cooperate by not abusing the machines. Shed Captains must intervene when machines are used inappropriately.

Some members, when sanding, are not cleaning the abrasive belts and discs during and after use. To prolong the working life, clean these items regularly when using and when finished. Replacement sander belts are expensive and it's your money.



NEW EXCITING CLUB PROJECTS:

Credence Table: This is a 750 x 750 x 40 mm table top laminated using Tassie Oak/Vic Ash with a solid apron on two opposite sides. It sits over a concrete plinth in the new church at Maroochydore; the same one we did the mango cross for.

This project will be an exercise in laminating, Wood wizzing and mitre jointing which is likely to be spread over three days at the least.

Prayer Kneelers: We have 8 prayer kneelers to make ex Tassie Oak/Vic Ash and is similar to the sample at the Shed. Construction will involve some laminating, joinery and cabinet making so is an excellent project to learn new skills. John Henderson is team leader and work will be carried out on Wednesdays, morning and afternoon, commencing this week. If you have a little time to spare, please join in.

These projects will generate funds toward the new building project.

Did You Know???

What causes internal checking?

Internal drying checking occurs mainly in larger section sizes in sawn timber and particularly in squares such as 75 x 75, 100 x 100 and 150 x 150. In some difficult-to-dry hardwoods, it can even occur in 25 mm boards.

When boards are cut (GOS or "Green-off-Saw") the movement of water in the cells of the wood and the fibres, start to evaporate with the exposed external faces losing moisture first thus allowing the internal moisture to migrate outwards, replacing the moisture being evaporated at the surface. This is the normal drying of sawn timber when air dried.

If that migration and evaporation of the moisture occurs too fast, then the resultant shrinkage of the wood fibres in the centre of the board will occur as moisture in the centre replaces the water which has evaporated from the outer faces and edges, causing separation of the fibre and making voids. This is internal checking (also known as honeycombing). This fault is often found in species which are prone to drying collapse, a topic for another time.

In the photo at right, is a slice of a 75 x 75mm old growth Red Cedar which has been allowed to air-dry and the internal checking has most likely been helped along by the very hard year of growth evidenced by the very narrow growth ring on which the checking has occurred. It must have been a very difficult year for this tree (probably a severe drought) which has meant any growth occurring in that year would have been much less than the previous and subsequent years. It is indicated by the darker colour of that growth ring.



How to mill timber and avoid, or minimize, internal checking? In species which are known to be difficult to dry, such as the ash group of eucalyptus (Tassie Oak & Victorian Ash), simply do not cut section sizes over 50mm in thickness and never cut squares. In other species, slow air drying is the best way to minimize internal checking. Fortunately for BRWG, we have a solar kiln which is very gentle in removing moisture so we should not experience this problem very often; but when you do find some, you now know the cause.

Woody Greentree
Assistant Editor.

Thats me.....



Shed Times 8.00 - 11.30	
Monday	General Activities
Tuesday	Turning & Carving
Wednesday	General Workshop & Toys
Thursday	Furniture & Joinery
Friday	General Activities
Saturday	General Act. & Demo's



Who's Who in BRWG Inc. 2015 - 16		
Patrons - Andrew Powell MP, Mark Jamieson - Mayor SCRC and Cr Jenny McKay		
President	John Muller	0418 871 946
Vice President	John Henderson	0481 339 814
Secretary	Graham Beaumont	0449 081 092
Asst. Secretary	Dave Edmond	5478 6932
Treasurer	Brian Harris	5445 7921
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Activity Officers	Ray Curry, John Drew, John Clarke, Warne Wilson Dave Banister, Keith Muirhead, Brian Harris, Max Barrenger	
Safety Officers	Dave Banister, Warne Wilson	
First Aid Officer	John Drewe	
Events Organiser	Rick Vickers	0408 663 842
Shed Managers	Graham Bradford, Bruce Chapman(0422 927 032)	
Amenity Officer	Hamish Borthwick	
House Officer	Jan Clements	
Purchasing Officer	Rob Otto	
Training Officers	Sarah Odgers, Nigel Cundy	
Librarian	Brian Holdsworth	
Timber Management	John Holland, Ron Donald, Ron Rothwell. Bruce Chapman	

Shed Captain Roster - September 2016											
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
						1	John Drewe	2	John Muller	3	Warne Wilson
5	Lionel Tilley	6	Greg McCosker	7	AM Leigh Boynton PM Keith Carter	8	John Holland	9	George Blowers	10	John Henderson
12	Dave Banister	13	Tom Black	14	AM Rob Otto PM Warne Wilson	15	Spike Bettega	16	Hamish B/wick	17	Keith Muirhead
19	Brian Harris	20	Bruce Chapman	21	AM Dave Banister PM John Muller	22	Ray Bryant	23	Dave Edmond	24	Graham Bradford
26	John Muller	27	Dave Southern	28	AM Leigh Boynton PM Keith Carter	29	John Drewe	30	John Muller		

Shed Captain Roster - October 2016											
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
										1	Warne Wilson
3	Lionel Tilley	4	Greg McCosker	5	AM Rob Otto PM Warne Wilson	6	John Holland	7	George Blowers	8	John Henderson
10	Dave Banister	11	Tom Black	12	AM Dave Banister PM Keith Carter	13	Spike Bettiga	14	Hamish B/wick	15	Keith Muirhead
17	Brian Harris	18	Bruce Chapman	19	AM Leigh Boynton PM John Henderson	20	Ray Bryant	21	Dave Edmond	22	Graham Bradford
24	John Muller	25	Dave Southern	26	AM Rob Otto PM Warne Wilson	27	John Drewe	28	John Muller	29	Warne Wilson