

## PRESIDENT'S REPORT

Welcome Woodies,

Well the first 100 days of the new management have passed with plenty of tasks already undertaken. Thank you to all those getting on with the job of keeping our Guild in tip top shape.

The Christmas Lunch tickets are available from Secretary Clare for just \$40 per head. Your management team has agreed to subsidise the event to show our gratitude for your continued support though attendance and purchase of timber throughout the year. More details in the newsletter.

For anyone wishing to create some clocks, Jim Butler has donated some templates to ensure your clock faces are uniform and precise. See me if you are interested.

We have just purchased another scroll saw to bring our complement up to three. See Russ Middlecoat for operating instructions on this new machine.

We now have NBN connection. This will allow us a more reliable WIFI for all those You Tube videos to make the perfect woodcraft items or how to maintain your tools in the workshop.

I understand there are a few members under the weather at the moment. We are thinking of you (Ron Donald, Keith Carter and Bruce Chapman) and hope your journey to recovery can be smooth, even if it will take some time. For others take care as there are some nasty bugs affecting many hinterland residents at the moment.

Regards

Rick

Rick Vickers  
BRWG President  
0408 663 842

[president@blackallrangewoodies.org.au](mailto:president@blackallrangewoodies.org.au)



# Shed Managers' Report

A little bit to report this month.

## Maintenance:

The significant items have been:

- The up-cut saw is out of action. One of the air solenoids has failed, and a replacement part is ordered. It should be fitted soon, and the machine back in operation.
- The Sherwood Router is also out of action. The apparent failure was a bearing in the spindle, but upon returning it to the agents, we found that the cooling circuit had failed, and most of the inside was toast. Luckily it is still under an extended warranty, so a new one is on its way. It should also be returned to service soon.
- The Laguna Bandsaw now has the wider blade, and the full set of guide rollers, and from all reports, is working very well. The idea of the wider blade was to take a bit of the load off this machine with thick re-sawing, and it seems to be doing that well, with no build-up on the blade note to date. The previous smaller blade was very prone to gumming up, and then overheating, which in a very short time, meant that it was unserviceable. It is our hope that the larger blade will see a much longer service life.
- Harvey bandsaw broke a blade, and it was replaced.
- The saw-mill needed a repair to the rail tracking mechanism.

## Safety/Security

- Hammer Jointer/Thicknesser found running unattended after smoko.
- A significant kick back on Woodman #2 saw a piece of wood fly back and hit another member on the leg, causing very significant bruising. Safety incident process raised.
- Office lights left on.
- Portable first aid kit bought for Main Shed.
- No power in the shed upon opening. Found to be from a RCD breaker in the power box out at the road. Suspected vandalism, as it has not recurred.

## New Equipment

As explained at the General Meeting, we have a process for assessing the optimum replacement time for all significant items of equipment, and for the prioritization of new wish list purchases. Our grants officers have done such a wonderful job of late, that the wish list is almost empty. If any members have an idea for a new piece of equipment, please contact the Shed Managers.

- A working bee will be held to allow all members to contribute to this worthwhile project. However, in the interests of member's health, this will be held when temperatures are more moderate.

## Club Projects

The current project for the club is to clean up the area to the immediate south of the Henderson Shed and Timber storage. This is part of our lease, but is not something we have done much about. That will hopefully change this year. To this end, three things will be happening:

- Ian McKeague, our resident ex-surveyor, is reinstating the actual boundary of our lease area.
- Sherri Ward, our resident gardening guru, is providing, and arranging for specialist advise on, the care of remnant vegetation, so we can get rid of the rubbish, and preserve the native.
- A working bee will be held to allow all members to contribute to this worthwhile project. However, in the interests of member's health, this will be held when temperatures are more moderate.

Kev Devlin and Ted White

## Accreditation Officers

For those members seeking accreditation the list of accreditation officers is on the notice board in the shed.

## Sunshine Coast Council Grants

Woodies acknowledge and appreciate the grants received from the Sunshine Coast Council grants program.



Proudly supported by  
Sunshine Coast Council's grants program

# Shed Captains Roster

## SHED CAPTAINS ROSTER

DECEMBER 2024											
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
2	John Muller	3		4	AM Julie Breen PM Keith Carter	5	Ray Bryant	6	Dave Slatter	7	Ian McKeague
9	Russell Middlecoat	10	Steve Squires	11	AM Tunji Beier PM-P Rich-S Ward	12	Kev Devlin	13	Robert Forsyth	14	Ron Turner
16	Robert Forsyth	17	Greg McCosker	18	AM Darryl Kajewski PM Neil Stenhouse	19	Don Lear	20	Michael Brosnan	21	Jacqui Porteous
23	Gary Emmett	24	Bruce Chapman	25	AM Dave Banister PM Keith Muirhead	26	John Isles	27	John MacLaren	28	Graham Beaumont
30	John Muller	31									

THE SHED WILL BE CLOSED ON THESE DAYS

A SHED CAPTAIN WILL BE REQUIRED ON THESE DAYS

## SHED CAPTAINS ROSTER

JANUARY 2025											
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
6	Russell Middlecoat	7	Steve Squires	8	AM Tunji Beier PM-P Rich-S Ward	9	Kev Devlin	10	Robert Forsyth	11	Ron Turner
13	Robert Forsyth	14	Greg McCosker	15	AM Darryl Kajewski PM Neil Stenhouse	16	Don Lear	17	Michael Brosnan	18	Jacqui Porteous
20	Gary Emmett	21	Bruce Chapman	22	AM Dave Banister PM Keith Muirhead	23	John Isles	24	John MacLaren	25	Graham Beaumont
27	John Muller	28		29	AM Julie Breen PM Keith Carter	30	Ray Bryant	31	Dave Slatter		
				1	AM Julie Breen PM Keith Carter	2	Ray Bryant	3	Dave Slatter	4	Ian McKeague

It is the duty Capt's responsibility to arrange a substitute if he/she cannot be captain on the printed roster sheet

SHED CAPTAINS ROSTER - Dec-2024 - Jan-2025.xls

Ron Turner

## Shop Safety

We have a number of signs about the workshop.....either **recommending** or **insisting** ear and eye protection.

Some of these signs appear like Noah used them when building the Ark but nevertheless they are important to you and your fellow Woodies.

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**Please bring your muffs and glasses and use them.**

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This is the pot calling the kettle black. I used a chainsaw most days for 20 years with no eye or ear protection. It doesn't seem particularly noisy or dusty in the shed based on my early adulthood experiences. **Nothing could be further from reality.**

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I recently read a fact sheet "Noise in the wood product manufacturing industry" by Safe Work NSW. (google is your friend to read in full)

The take home message is that most of our machines are in the high range of noise emitters and require the user to be protected. Also a direct quote

***"Workers who are exposed to high noise levels may experience serious hearing loss. This loss is gradual and workers often do not realize that their hearing is being damaged. Noise induced hearing loss is permanent – it can't be cured or improved"***

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We can all learn from past experiences and do better in the future. It would be helpful if you could remind me (and fellow Woodies) when it is appropriate to "Kit" up

During the next month or so we will review signage and its positioning in the sheds. All advice is welcome. Please discuss with anyone who will listen and write it up in Diary.

Safety Comments by  
*Ian*

## Your Club Needs You

We need to expand our publicity team. Anyone with marketing or PR experience would be a welcome addition, but really no prior experience is necessary - just enthusiasm!

## Slicing live edge timber or boards

When there is a nice piece of live edged timber it is possible to slice it without squaring the edge by using the sandwich method.

Joint and thickness the piece to have even parallel surfaces.

Cut two sheets of ply/mdf (5mm is plenty) to cover each side of the piece. Allow extra for a 'runner' and holding block.

Cut a runner plus extra the width equal to the thickness of the piece to be cut.

Lay one cover flat then glue the runner to the bottom edge.

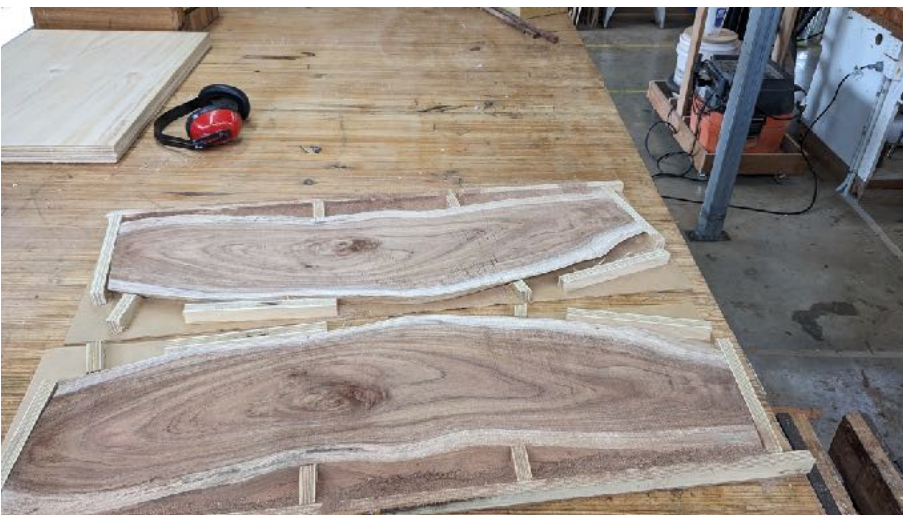
Place the piece to cut on the cover firmly against the runner. Cut the extra runner into smaller pieces and glue around the the piece cut to hold it firmly on the cover.

Glue the second piece of cover over the top to all runner pieces and weight or clamp until glue is set.

The sandwich is now ready to slice!

Liquid nails worked well for me as a glue.

Some of the extra pieces can be shaped to better hold the live edge



Don Lear

# Get Serious About Clamping

Most woodworkers are underclamping their joints

BY ROMAN RABIEJ

A common saying among woodworkers is, "You can never have too many clamps." Turns out, it might be more accurate to say that you can never apply too much force. Most woodworkers have only the vaguest idea of how much clamping force to apply when gluing boards. Even those perfectionists who rely on dial calipers and feeler gauges when cutting and planing wood often judge clamping pressure simply by the amount of glue that squeezes out. The results are occasional joint failures and embarrassing gaps between boards on the ends of tabletops.

During my career in wood technology I've done scientific studies of glue joints using different types of glue, different clamping pressures, different species of wood, and even different grain orientations.

Rather than blind you with science and make your next glue-up even more nerve-wracking, I'll assume you're using yellow (polyvinyl acetate—PVA) glue and I'll try to answer the following questions: What is the optimum force when clamping soft and hard woods? How many

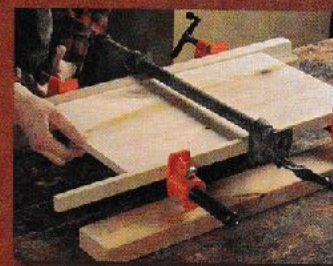
## KEYS TO SUCCESS:



1. MATCH THE CLAMPING PRESSURE TO THE WOOD



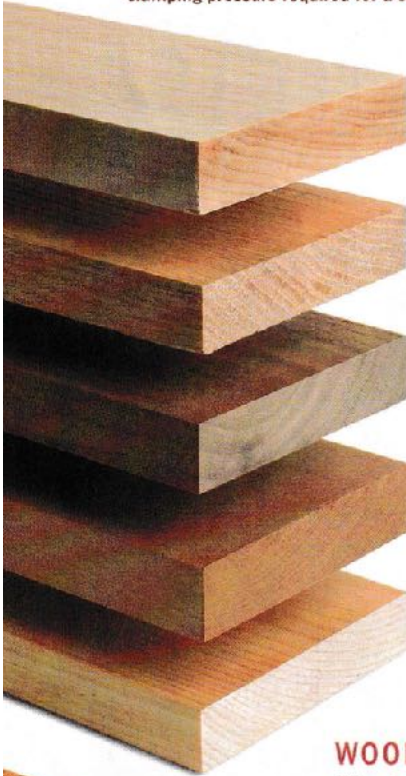
2. MAKE SURE YOU HAVE ENOUGH CLAMPS



3. DISTRIBUTE THE PRESSURE EFFECTIVELY

# 1 Different woods require different clamping pressure

Both the wood species and the grain orientation affect the clamping pressure required for a strong glue joint.

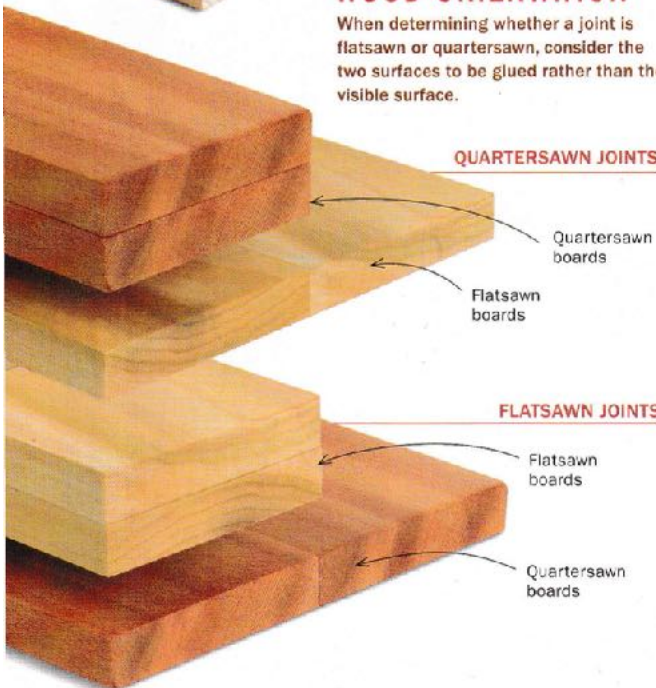


## WOOD TYPE

In general, dense and tight-grained woods require the application of greater force. On hardwoods, glue joints between radial or quartersawn faces require half the pressure of tangential or flatsawn face joints. This is because on hardwoods, the quartersawn face has half the compression strength of the flatsawn face, so the fibers are more easily crushed. On softwoods, the reverse is true, with the quartersawn-face gluelines requiring twice the pressure of the flatsawn-face gluelines.

## WOOD ORIENTATION

When determining whether a joint is flatsawn or quartersawn, consider the two surfaces to be glued rather than the visible surface.



RECOMMENDED CLAMPING PRESSURE (pounds per square inch)		
Wood type	Quartersawn glue face	Flatsawn glue face
SUGAR MAPLE	600	1,200
RED OAK	450	900
BLACK WALNUT	300	600
BLACK CHERRY	250	500
PONDEROSA PINE	300	150

clamps should you use and how should you arrange them? And last, how can you test a sample joint to see if you are getting good results?

Use this information to approach your next glue-up with newfound confidence, and the only thing under pressure will be the wood.

## Why correct clamping pressure matters

Optimum clamping pressure creates strong glueline joints in several ways. First, it overcomes the viscous resistance of the glue and forces it into a thin, continuous film in contact with the wood, which is necessary for a strong joint. Second, as the glue releases moisture, causing the wood to swell, clamping overcomes this pressure and prevents the joint from opening up. Third, it overcomes minor surface imperfections between mating surfaces. And fourth, clamping holds parts in position until the glue cures.

Too little pressure will fail to achieve any of these benefits. Conversely, extreme pressure can produce weaker joints, although as I'll explain later, this is unlikely with common woodworking clamps. Because modern glues are stronger than the wood fibers, a good glue joint should break in the wood, a process known as wood failure, rather than along the glueline. So rather confusingly, the higher the percentage of wood failure, the better the joint. The

Photos, except where noted: Mark Schofield; wood and clamp photos: John Tetrauil



## 2 Not all clamps are created equal

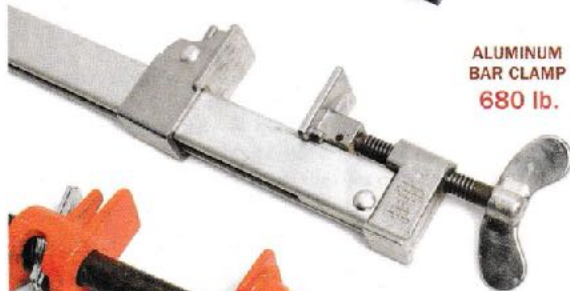
The force applied by each type of clamp varies greatly depending on the strength of the operator. We conducted a test using four different staff members; two *Fine Woodworking* editors, our female copy editor, and a brawny *Fine Homebuilding* editor. The numbers below are the average of the *FWW* editors. The copy editor in our test consistently applied about 60% of the average clamp pressure, while the hand strength of the *FHB* editor was about 40% higher.



PARALLEL JAW CLAMP  
370 lb.



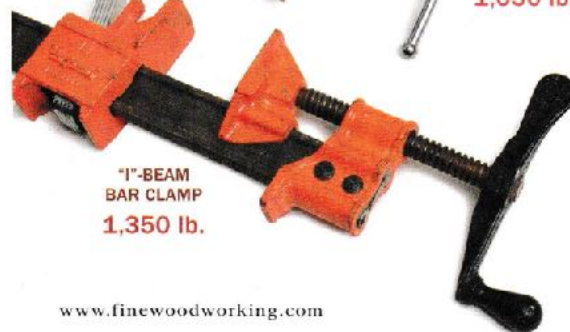
QUICK-GRIP CLAMP  
470 lb.



ALUMINUM BAR CLAMP  
680 lb.



3/4-IN. PIPE CLAMP  
1,050 lb.



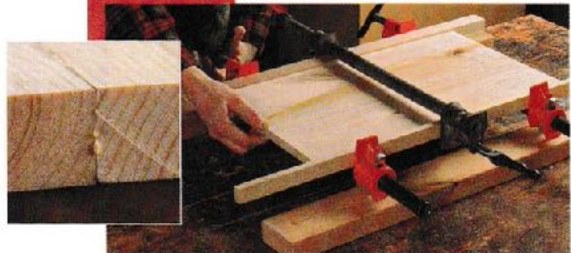
1"-BEAM BAR CLAMP  
1,350 lb.

www.finewoodworking.com

### CALCULATING CLAMP REQUIREMENTS

$$\frac{\text{Glue surface (sq. in.)} \times \text{Required clamping pressure (psi)}}{\text{Force applied by each clamp (lb./in.)}} = \text{Number of clamps}$$

#### EXAMPLE 1



**Less pressure for pine.** These two pine boards have a glue surface area of 16½ sq. in. Because the glue faces are nearly flatsawn (see inset), the recommended pressure is 150 psi, requiring a total force of 2,475 lb. This can easily be met by using three ¾-in. pipe clamps.

#### EXAMPLE 2



**More pressure on maple.** The effective glueline area is the same as for the pine (even though there are three boards to glue instead of two). The glue faces are quartersawn (see inset), so the recommended pressure is 600 psi. This total force of 9,900 lb. requires nine pipe clamps.

wood-failure percentage starts to diminish as clamping pressure is increased beyond a certain point, because excessive pressure begins to starve the joint of glue and also to compress the wood and reduce its ability to absorb the glue.

#### The chart simplifies the science

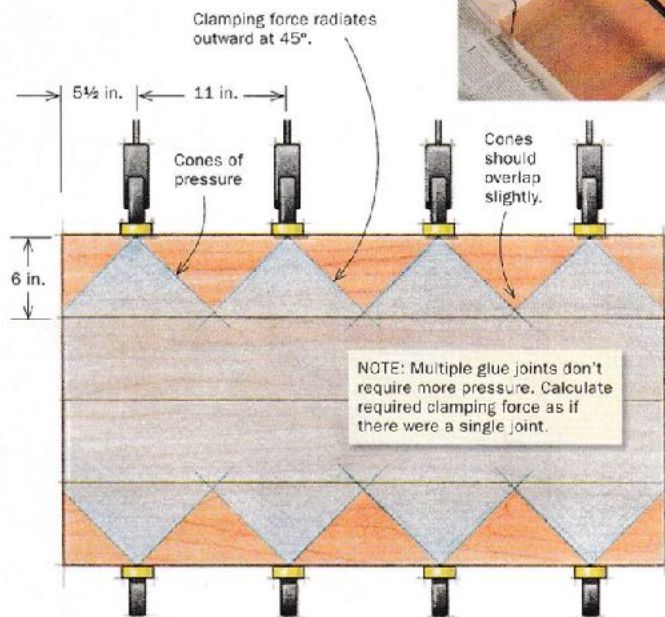
The chart on the facing page shows the recommended glueline pressure for selected furniture woods. The optimal pressure is roughly twice as high. This peak pressure is the point just before the glueline is starved or the wood fibers are crushed. For most hardwoods, however, normal woodworking clamps can't get close to these levels of force. But joints clamped at the recommended levels will be quite strong enough, with the glueline being

### 3 Put the pressure where you need it

The force from a clamp spreads out in a 45° cone from each head. For the cones to overlap and the glueline to receive even pressure, the clamps need to be spaced correctly. The 45° angle makes the cones of pressure easy to measure. The force will radiate sideways in both directions the same distance as the clamp is from the glueline. So, in the example below, the 6-in.-wide board creates 12-in.-wide cones of pressure at the joint.



#### CLAMPING WIDE BOARDS



**Cauls spread the force.** When clamping a narrow strip, the clamps have to be close together in order to have the pressure cones overlap (at right in photo). A solution is to employ a wide caul that spreads out the force before it meets the glueline (at left).

stronger than the wood itself. You'll achieve a glueline thickness well under the recommended maximum, which is about 0.004 in. To give a point of reference, the cover of this magazine is 0.005 in. thick.

The next step is to find out how much pressure you are applying with each type of clamp.

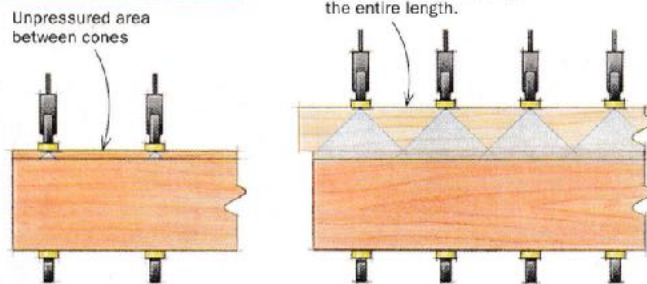
#### We tested the common bar clamps

In his book, *Understanding Wood* (The Taunton Press, 2000), R. Bruce Hoadley illustrated that the amount of force applied by different types of woodworking clamp varies widely. He also found that the force of an individual clamp can differ by a factor of two depending on the strength of the operator.

To compare traditional bar and pipe clamps with newer designs and to see how the force they apply varies by user, *Fine Woodworking* rigged up a jig linked to a set of bathroom scales. The magazine's female copy editor represented one end of the strength scale; a brawny former builder at *Fine Homebuilding* represented the other, and a couple of *Fine Woodworking* editors fell in between (see p. 39). Generally, clamps with T-handles exert more pressure than those with round handles.

The first step when gluing boards is calculating the square inches of glue surface. For example, if you are gluing two boards 3/4 in. thick and 36 in. long, a single glue surface equals 27 sq. in. Even if you are edge-gluing several boards, you still need to measure only one glue surface because the clamping pressure is transmitted across the width of the boards. If you are edge-gluing flatsawn red oak boards and wish

#### CLAMPING THIN EDGING



Where the glueline is close to the clamp head, place the clamps very close together or use a wide caul. Otherwise, some parts of the glueline will not receive sufficient pressure.

## For Your Information

This is the contact details of the company that does the embroidery logos for our club. Any member who is interested in having that done should contact the company. Members need to supply their own piece of clothing.



## Christmas Lunch Reminder



**December 14 at 11:30 for 12 at the  
Maleny Showgrounds Pavilion**

**Fully catered – entrée served on share platters, main meal is sit down (BBQ Lamb and BBQ Chicken; Dolmades Stuffed vine leaves, or yemista (stuffed peppers and tomatoes) for vegetarians and vegans; Greek Salad; Chips; Fried halloumi; Pitta bread; Tzatziki dip and Hummus Dip and Baklava for desert.**

**BYO drinks – refrigeration and glasses will be provided.**

**Tickets are \$40 per head, available from the Shed Captains.**

# What is it?



" While browsing in a second hand shop at the Scenic Rim, I found two beautiful, well used timber mallets. I could not at first understand in what trade they would have been used. Clearly they were wooden mallets.

Does any member know the trade they may have been used in? There were other tools in a basket beside the mallets which may have given me a clue. For example, there was a very blunt chisel with about a 3 mm flat edge in the box, well used as well.

Sorry no prizes for the first correct answer. I am not sure my guess is correct, so if any member knows, let me know at [johnmuller4@bigpond.com](mailto:johnmuller4@bigpond.com). "



John Drew putting up the new flag that was donated by Andrew Powell

Busy day at the Guild.  
No room in the cool.



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Maroochydore Qld 4558



# Steve Squires' Demonstration/Lecture On the Table Saws

Thank you to Steve Squires for presenting a polished talk on the correct use of the Guild's bandsaws. About 20 new and seasoned members turned up to listen and take in all the dos and don'ts for the three machines.

All of us went away realising there were many aspects we may have either forgotten or had not realised the correct way to use these machines. They are not identical and each has a particular use when cutting/ ripping/ slicing wood.

If you felt that this was useful please let us know and we will organise more educative sessions on the safe use of our machinery.

Those members interested in getting accredited or re-accredited need to go through the normal accreditation process by finding an accreditation officer, booking a time and going through the process with him/her.



Mitre 10

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# Timber bits from Bruce Chapman

For the carvers bay 11 is white beech slabs of varying thickness from 30mm to 50mm

## For Sale

A list of the timbers available in each bay.

- 1- Red Cedar (new)
- 2- Red Cedar (new)
- 3- Hoop Pine
- 4- Silky Oak
- 5- Silky Oak
- 6- Silky Oak
- 7- Silky Oak
- 8- Silky Oak
- 9- Silky Oak
- 10- Candle Nut
- 11- White beech
- 12- Blue Gum
- 13-
- 14-
- 15-
- 16- Camphor Laurel
- 17- Camphor Laurel
- 18- Camphor Laurel
- 19- Camphor Laurel
- 20- Camphor Laurel
- 21- Camphor Laurel Slabs
- 22- Camphor Laurel
- 23-
- 24- She oak
- 25-
- 26-

## Drying Rack

**NOT AVAILABLE** for purchase. Timber here is stabilised after taken from kiln. Generally moved to sales area in one week. Please keep the front of this area clear. We need to access the timber here every Friday.

**WHO'S WHO BRWG inc 2024-2025**

Patrons - Andrew Powell MP, Andrew Wallace MP, Winston Johnston (Local Councillor)

President	Rick VICKERS
Vice President	Russ MIDDLECOAT
Secretary	Clare CAPP
Asst Secretary	David SLATER
Treasurer	Danny NOLAN
Asst Treasurer	Russ MIDDLECOAT
Newsletter Editor	Lesley MOTT
Website Manager	Tim KLINIC
Publicity Officers	David FRIEND
Recruitment Officers	David SLATER & Julie BREEN
Training / Demo Officer	Steve SQUIRES
Safety Officers	Ian McKEAGUE
Welfare Officers	
Events Organiser	Keith CARTER
Shed Managers	Kevin DEVLIN & Ted WHITE
Providor	Darryl KAJEWSKI
Purchasing Officer	Brian HARRIS
Projects Officer	Robert FORSYTH
Librarian	Robert FORSYTH
Social Media	Sarah ODGERS, Michael BROSNAN
Timber Management	Bruce CHAPMAN, Ron DONALD & Robert ROTHWELL
MVA Sportsground Committee Rep.	Keith CARTER, Danny NOLAN,
Grants Officer	David FRIEND
Shed Captains Roster	Ron TURNER



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