

PRESIDENT'S REPORT



Hello Everyone,

Well my time as president has been interesting to say the least, especially as I am not Computer literate and probably never will be. Max thank you for finding all of those things that I cannot find. I think I owe you a bottle of Scotch, but which one?????

So, from the bottom of my heart, I thank all of our members for helping me out.

The project team has again been very active with community projects including the Memorial Chair for the Maleny Golf Club and the chair for the Montville Church. At the moment they are making work benches with a few more requests to be discussed.

During the last 12 months we have purchased new machinery to replace some of the ageing ones and new gear with Festool equipment up and running. The Multi Function Table was made by our Shed Managers with advice from whoever was around, I'm sure.

The Harvey band saw, the Sherwood linisher, Sherwood router and the Laguna finisher, perhaps better known as the drum sander, were new purchases and of course the Kiln upgrade most of which were made possible with grants that our Grants team have been able to secure for us.

Thank you, Dave and Peter, for the work you do to gain these grants.

A you are probably aware our two thicknessers out the back are showing signs of retiring so these are probably the next to be replaced.

We really need to NURSE them along.

The Henderson Shed roof needed resealing. We still have a few leaks however it is much better. This was a major cost which was absorbed by the club.

The Millers Cave is looking almost majestic with its new/old roller doors keeping most of the weather at bay. Our milling team is indispensable. They turn up every Friday to slab the donated logs for us to use.

I cannot thank them enough.

They still need more people to join the milling team so please come and help whenever you can.

Dave our magic painter - what would we do if he hung up his spray gun and paint brushes? Not only do you paint you help anyone who needs it. Thank you Dave.

I would like to thank our Shed Managers, Kev, Brian and John for the work and insight you put into the club.

Brian LOVES to go shopping so he is always busy getting new parts etc. as well as anything else the club needs. I wouldn't like to wrangle with him over prices, he knows them and always gets a good deal where ever he can

The Kiln upgrade has been a major project.

The money came from the Sunshine Coast Council grants, for which we are very grateful, however the work was done by the Shed Managers and the fabulous working bee we had.

What a job and what success especially the technical builds and input.

Pam thank you for getting our meetings in order and sending out messages. "just doing my job" she says.

Danny, our treasurer has under gone surgery, however he was able to get the audit and reports done before the AGM.

Thanks Danny and be patient and get well soon.

Our Vice President has been constantly trying for grants, along with his mate Peter. Dave is now taking that on full time, Rick Vickers is stepping into the Vice president roll, welcome Rick.

There are just so many people to thank I'm sure I cannot mention everyone.

The lawn mowers , gardeners and Ursula for doing the cleaning.

Steve and Rob for the courses you run.

Shed Captains, we couldn't operate without you.

Cheers,
Julie

AROUND THE SHED - Things on the go



Philippa with a plan for a jigsaw puzzle and cutting the puzzle on the scroll saw



The box making group

Graham working on his blanket box





Steve with a table he is making.



A laminated wood top and the bench base it is being made to fit.



The millers using the the chain saw mill to get a Bunya pine log down to a size they could put through the mill.

Camphor Laurel.

Family. *Lauraceae* **Genus.** *Cinnamomum* **Species.** *Cinnamomum camphora*

Scientific Name. *Cinnamomum camphora* **Common Names.** Camphor Laurel, Camphor Tree.

Description. Camphor Laurel is a large evergreen tree growing up to 20 m tall. The leaves have a glossy, waxy appearance and smell of camphor when crushed. In spring it produces lush, bright-green foliage and masses of small white flowers. The spherical fruits are green, changing to black when ripe, and 10 mm diameter. Old trees develop a massive root system which may block drains and crack concrete structures. A native of China, Japan, Taiwan, this species was introduced locally in 1822. Camphor Laurel contains six different volatile chemical compounds called chemotypes in all plant parts, and in Asia, the wood and leaves are steam distilled for these essential medicinal oils.

In Australia, the tree aggressively replaces native vegetation, invades pastures and disturbed riparian systems and is a troublesome weed on dairy farms throughout south-east Queensland and northern New South Wales. Its infestation has spread from Victoria to Nth. Qld. A large Camphor Laurel tree may produce over 100000 seeds every year. The seeds are readily spread by a few species of birds. The species is a declared Class 3 plant under the Land Protection (Pest and Stock Route Management) Act 2002. Class 3 plants cannot be sold in Queensland and their removal is recommended.

Wood Properties. It has an attractively grained timber. Heart wood is basically cream colour with numerous darker patterns of reddish brown, and is easily identified by its distinctive camphor odour when freshly sawn. Sapwood not clearly defined. Susceptible to Lyctid borer attack.

Density. Approx. 500 kg/m³ at 12% m.c. **Durability.** Not durable. Rated 4 on a scale of 6. **Uses.** Turnery, cabinet making etc. Tends to distort with humidity.

Machining. If interlocked or wild grain is present, tearout may

Because of the absence of darker pattern in some Camphor Laurel logs, it has been suggested this indicates a hybrid species, but there is no supportive botanical evidence. Variations in timber colour are usually caused by soil chemistry. There are two other species of the same genus, *cinnamomum*, endemic to Qld. rainforest areas which may cause the confusion, as the foliage and fruits have some similarity and the timbers are lighter coloured and lacking the darker contrasts.

1. Camphorwood.

Family. *Lauraceae*. **Genus.** *Cinnamomum* **Species.** *Oliveri*

Scientific Name. *Cinnamomum oliveri*. **Common Names.** Camphorwood, Oliver's Sassafras, Black Sassafras, Cinnamonwood.

Habitat. *Cinnamomum oliveri* is a rainforest tree growing at the eastern coastal parts of Australia. It grows from the Illawarra district (34° S) in New South Wales to Cape York Peninsula. It is a medium to large tree to around 30 metres tall and 75 cm in diameter. Common in warm temperate rainforest areas on sedimentary soils in cool mountain situations. But also seen in subtropical rainforest.

Description. The trunk is cylindrical or occasionally flanged. Grey or brown bark with a corky layer. The trunk has vertical lines of corky pustules. Leaves are opposite, simple, entire wavy margins, smooth, lanceolate, pointed, gradually tapering to the base. 8 to 15 cm long, 2 to 4 cm broad. Shiny green above, bluish grey glaucous below. Leaf stalk 6 to 12 mm long. Leaf venation is distinct on both surfaces. The midrib is raised on both surfaces. Crushed leaves have a pleasant spicy odour.

Flowers, fruit and germination. Flowers appear from October to November. Cream, fragrant, in panicles at the ends of branchlets or in the forks of leaves near the ends of the branchlets. The fruit is a blue-black or black oval, shiny, aromatic drupe. Often with galls. About 12 mm long. Fruit ripens February to April. Fruiting occurs roughly every seven years, and is prolific.

Fruit is eaten by rainforest birds including the White-headed Pigeon, Pied Currawong and Green Catbird. Like most Australian laurel fruit, removal of the fleshy aril is advised to assist seed germination. The seed has short longevity due to deterioration on drying.

Properties. Colour. Cream to pale brown with a fragrant spicy odour. Density. 560 - 660 kg/m³ at 12% m.c.

Uses. The bark of *Cinnamomum oliveri* contains tannin, also an essential oil, rich in camphor, safrole and methyleugenol or cinnamic aldehyde and eugenol depending on the chemical variety of the species. The oil may be used for medicinal purposes and the timber used for internal trim and cabinet work.

2. Pepperwood.

Family. Lauraceae **Genus.** *Cinnamomum* **Species.** *Laubatii*

Botanical Name. *Cinnamomum laubatii*. **Common names.** Cassia Cinnamon; Pepperberry; Camphorwood; Pepperwood; Brown Beech.

Distribution and Ecology. Endemic to Queensland, occurs in NEQ and southwards to coastal central Queensland. Altitudinal range from sea level to 1200 m. Grows in well developed rain forest on a variety of sites. Freshly broken twigs emit a peppery odour.

Fruit eaten by Fruit Pigeons, Cassowaries and Musky Rat-kangaroos.

This species produces millable logs and the sawn timber is marketed as Pepperwood, a useful cabinet timber. Heartwood has a light brown colouring and attractive fine grain. Density 460 – 480

Graham Bradford supplied this information as a lot of this timber is in use at the shed at present.



C. camphora



C. oliveri



C.laubatii



Edsel Ward and his
wife, Lorraine,
on his 93rd birthday

Regular attendees to the workshop will be aware of the health trials and tribulations facing one of our members in recent times. Edsel Ward, probably one of our most senior members, had heart problems and then a stroke which saw him in care at the BlueCare aged care in Maleny. In selling his home, his life-time collection of machinery and wood had to be moved so with some assistance from the Woodies, the wood has been sorted and what is usable stock has been moved to our shed in Western Avenue. The Mapleton Men's shed has taken all his remaining machinery and is cleaning it up, selling on commission on Edsel's behalf.

There was a list of this machinery on the notice board prior to moving it to the men's Shed so it is still available if anyone may be interested.

The wood in the Western Avenue shed is available to BRWG members at Club prices. Some has been marked in crayon "EW" so members interested in buying can do so by marking the timber purchase in the day-sheet as "EW" and our treasurer can account for it.

Not all of his timber is marked as someone has got lazy. I can describe roughly what is there which may be of interest.

1. 90 x 19 hardwood decking

1. 60 x 19 QLD Silver Ash *Flindersia bourjotiana* T&G flooring *
2. 40 x 19 Hardwood DAR & Pencil round 1.2 M lengths **
3. Various species, lengths & section sizes

*This species is the North Queensland species which is a beautiful white ash coloured wood, the lighter of the Flindersia Silver Ash species and is rather rare now. The section size which could be dressed out of the flooring by removing the tongue and groove would be 40 x 18 as usable wood. This is the section size to be used for calculating the cubic metre volume for sales. This was highly valued for squash court floors when every town and suburb had a squash court and is lovely to work with.

**This wood would be ideal for outdoor furniture as it is all durable exterior species.

Members who are interested in Edsel's wood can contact John Muller on 0418 871 946 to arrange a time to look.

Edsel turned 93 on 30th July and it coincided with the final clear-out of his home in Montville. The family and some friends were there to celebrate his birthday with a lunch and of course a cake. The photo here is the best the writer could do because Edsel was in such an up-beat mood, it was hard to take one without him messing around. In the end I gave up and accepted this will have to do.

His wife Lorraine can now join him in a unit at BlueCare Maleny, the Erowal Aged care facility. He would always appreciate a visit from Woodies if passing.

John Muller
Life Member
BRWG Inc.



Mitre 10

TIMBER AND
HARDWARE, MALENY

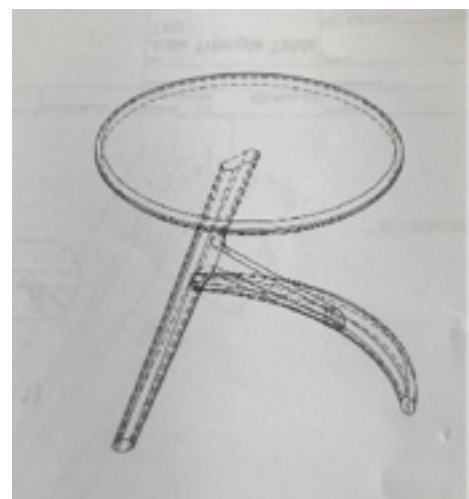
"For all your
Hardware needs"

Phone 5494
2466

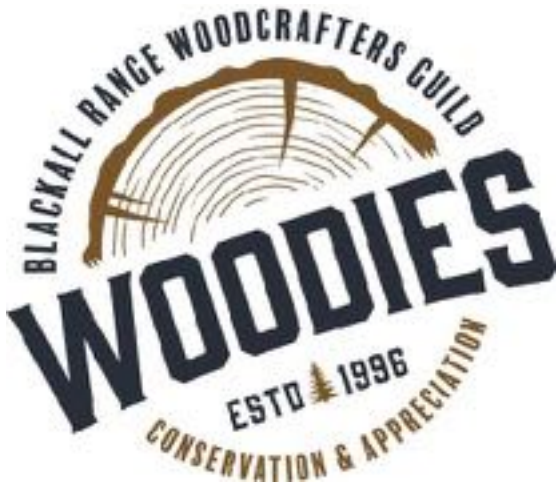
Woodworking from Templates

Some of the more astute members of the club may have noticed the use of high quality acrylic plastic templates around the club recently. These have been made possible by the work of our diligent Procurement Officer, Brian Harris, and the generosity of Bent Plastics in Kunda Park and their scrap bin. We have found that 10mm acrylic to be almost the perfect material for CNC cut durable templates. Using the templates, double sided tape, and a spiral up-cut router bit is a very efficient way of accurately replicating complex shapes. It also means that members can make any of the projects that have templates at a time of their own choosing.

Some examples of the templates are shown below, being the templates for the Mid Century Modern table, and the small circular triangular table that a number of members are currently making.



Blackall Range Woodcrafters Guild Inc has recently received grants of \$12,500 from Sunshine Coast Council for an upgrade of its solar powered drying kiln and for two new pieces of woodworking equipment. These grants will assist Blackall Range Woodcrafters Guild Inc to continue to produce first class woodcraft for its members and continue its long-established reputation for donating woodcraft to non-profit organisations on the Sunshine Coast.



2023 Wonderful Weekend of Wood

30 September & 1 October 9am - 3pm

Hand-crafted timber items for sale -

Toys, Platters, Bowls, Jewellery Boxes,
decorative tableware and lots more.

Demonstrations of Timber Milling,
Woodturning, Pyrography, Carving,
Scrollsawing and more.

Stock up on common and hard-to-get timber
slabs from our extensive woodshed.

Of course there's also our RAFFLE with wonderful prizes.

Blackall Range Woodcrafters Guild
Montville Sportsground
230 - 238 Balmoral Road
Montville 4560

secretary@blackallrangewoodies.org.au

Mitre 10

**TIMBER AND
HARDWARE, MALENY**

"For all your
Hardware needs"

Phone 5494
2466

Timber bits from Bruce Chapman

On most Fridays the milling team is still shorthanded. Women can also help out as there are jobs that do not involve lifting heavy timber such as painting the ends of timber and sweeping the wood dust generated by the mill.

For Sale

A list of the timbers available in each bay.

- 1- Fiddlewood
- 2- Fiddlewood
- 3- Red Cedar
- 4- Red Cedar
- 5- Silky Oak)
- 6- Silky Oak
- 7- Silky Oak
- 8- Silky Oak
- 9- Silky Oak
- 10- Queensland Maple (new)
- 11- Tallowwood
- 12- Tallowwood
- 13- Tallowwood
- 14- Fiddlewood
- 15- Hoop/ Norfolk Island Pine
- 16-Camphor Laurel
- 17-Camphor Laurel
- 18-Camphor Laurel
- 19- Camphor Laurel
- 20- Camphor Laurel
- 21-
- 22- Jacaranda (new)
- 23- Jacaranda (new)
- 24- Silky Oak slabs
- 25- Silky Oak slabs
- 26- Mango

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. Silky oak in the rack will be available within a week.

ALL ABRASIVES
INDUSTRIAL ABRASIVES SUPPLIER

  **DAVID BLACK**
PROPRIETOR

  Phone: (07) 5443 9211
Phone: (07) 5443 9527
Mobile: 0413 945 798
Fax: (07) 5443 8714
4/20 Kayleigh Drive
Meroochydore Qld 4558

 **The STAIR COMPANY**
5445 2189

USING THE DRUM SANDER

The purpose of this article is to provide members with a better understanding of the machine sanding process and to explain the correct operational procedures for the Laguna Drum Sander.

Knowing the Machine. The sander comprises a direct driven rotating drum 125 mm dia. by 600 mm long, and a 550 mm wide x 570 mm long rubberised feed belt platform. Entry and exit guide rollers are fitted parallel to the drum to ensure that only the cutting forces are transmitted to the drum. A 77 mm wide sanding belt is spirally wound on the drum and clamped by spring loaded jaws at each end. The sanding drum assembly is adjustable vertically for depth of cut, and dust extraction is fitted.

The Cutting Action. The drum rotates at 1440 rpm or 24 revs/sec., giving a surface cutting speed of approx. 570 m/min. The optimal cutting action and surface finish is achieved with clean sandpaper, the correct selection of cutting depth and feed rate to suit the grade of sandpaper fitted, and type of timber.

The optimum feed rate for the belt is approx. 900 mm/min., **a setting of 25 on the speed control knob**. The machine is normally fitted with 100 grit (medium) sandpaper. With 100 grit, the average grit size is 162 μm or 0.162 mm. If fitted with 80 grit sandpaper, the average grit size is 205 μm or 0.2 mm.

The Operation. Machine sanding may be the final operation in preparation of timber. The piece will have been previously dressed flat and parallel with the jointer and thicknesser, typically with an allowance of 0.5 mm per side for machine sanding. This means each surface would clean up in 3-4 passes. Note that with fine grain timbers, the thicknesser may give a better finish.

N.B. The machine must not be used for removal of larger quantities of excess. Rough sawn and warped timber must not be dressed using the drum sander. Where timber pieces have been assembled with adhesive, e.g. cutting boards/boxes, all excess adhesive must be first removed. Do not sand painted surfaces or highly resinous timber such as radiata and treated pine in the sander.

Determining the initial depth of cut setting. Raise the cutting head until it clears the workpiece. Start the machine and slowly lower the drum until it just touches the workpiece and pass through at this setting. Adjust for the first cut. The pitch of the adjusting screw is 1.5 mm, so the **maximum depth of cut of 1/8 turn** equals approx. 0.187 mm. **Do not be tempted to employ a depth of cut greater than 1/8 turn (45°).**

Feed rate. The optimum feed rate is approx. 900 mm/min. **(25 on the speed control knob) and must not be exceeded.** The feed will advance approx. 0.63 mm in one revolution of the sanding drum. This feed rate is a compromise to cover normal shed operations. Too high a feed rate will cause overload, overheating, and promote fouling of the sandpaper. A slower feed rate may be required for very hard timbers. **Consult the Shed Captain.**

All timber contains moisture, whether it be in the form of water/cellulose, natural oil, or resinous inclusion. When subjected to heat, these substances will carbonise, forming hard deposits on the sandpaper. This will further generate heat, spoil the cutting action and damage the workpiece.

Notwithstanding any of the foregoing, sandpaper does wear out so do not persevere with dull sandpaper. Watch progress of the feed to ensure the job does not stall and damage the finish. Advise the Shed Captain if the feed belt appears to be slipping.

The open ended design of the sander means the machine head is not rigid and will flex under load, i.e. the drum free end will spring up and not cut as deeply as the inner end and the condition will be amplified on wider boards and if excessive depth of cut and feed is used. The surfaces will not be sanded parallel but this can be minimised by reversing the workpiece and passing through at the same setting. Measure the thickness regularly to check. Do not exceed the depth of cut and feed limits.

The sanding element should be cleaned **often** with the rubber stick provided. Failure to do this will promote build-up of swarf and localised overheating on the sandpaper. Persisting with this condition will damage your work. Clean the sandpaper before starting your job and leave the sandpaper clean after completion, and check that the inboard end of the sandpaper is securely clamped.

The drum sander is probably the most misused machine in the shed, and its misuse impacts on the work of other users. It is essential that we endeavour to use the machine with common sense and patience and not exceed its capabilities and limitations. Consult with the Shed Captain if you are unsure of any procedure. If the sandpaper becomes fouled or dulled, advise the Shed Captain and have it renewed and investigate why the fouling has occurred. Don't leave a problem for others.

The above information was provided by Graham Bradford

WHOS WHO in BRWG inc 2023-2024

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

President	Julie BREEN
Vice President	Rick VICKERS
Secretary	Pam McLEOD
Asst Secretary	
Treasurer	Danny NOLAN
Asst Treasurer	Russ MIDDLECOAT
Newsletter Editor	Lesley MOTT
Website Manager	Max BARRENGER
Publicity Officer	David FRIEND
Recruitment Officer	David SLATTER
Training / Demo Officer	Steve SQUIRES
Safety Officer	Alan FRIEND
Welfare Officer	Pam McLEOD
Events Organiser	Rick VICKERS
Shed Managers	Kevin DEVLIN, John ISLES
Providor	Kellie DENDLE
Purchasing Officer	Brian HARRIS
Projects Officer	Robert FORSYTH
Librarian	Robert FORSYTH
Social Media	Sarah ODGERS & Micheal BROSNAN
Timber Management	Bruce CHAPMAN, Ron DONALD & Robert ROTHWELL
MVA Sportsground Committee Rep.	Keith CARTER< Danny NOLAN & Bruce BARRETT
Grants Officer	David FRIEND



Official Newsletter of The Blackall Range Woodcrafters Guild Inc.

PO Box 150 Montville 4560

Email newsletter@blackallrangewoodies.org.au