



VOL 7/17

PRESIDENT'S REPORT

JULY 2017

Welcome to the July edition of Talking Turning.

Winter is well and truly here and unless your workshop is centrally heated I expect many of you will find it hard to do any turning in the evenings. Please remember that the toys you are making for Country Hope will be collected at the August meeting. Don't leave it till the last moment. For those who are unfamiliar with the program, Country Hope provides hope for children with cancer who live in the country. The Guild supports this charity through the members turning or making a toy. If you want to make more than one toy so much the better. These toys need to be unfinished (left raw) as the children will paint the toy themselves as an activity during a camp Country Hope puts on. All the toys presented by the members will be judged for the John Atkinson Award for the best toy.



While we are talking about the August meeting don't forget that this will be the AGM. We urgently need volunteers to fill the positions of Vice President, Secretary and Treasurer. The position of events organiser is also vacant, as Tony Zammit has unfortunately had to withdraw from this position. If these positions are not filled the club will no longer be incorporated (we will lose our insurance) and will no longer be able to exist as the Guild. I am sure none of you would want this to happen. Please give some serious thought whether you could fill one of the positions.

Since we last met Tony Zammit has written to let us know that due to his circumstances he is needing to resign from the Guild. On behalf of the committee I would like to acknowledge the enthusiasm and dedication Tony showed in this position and in all the areas of the club where he helped. We will miss him and wish him well as he moves on from the Guild.

The meeting on this Saturday is the All Day Demonstration with Steven Hughes. It promises to be a great day if previous all day demonstrations are anything to go by. If you have not booked already there are still a few places left. I look forward to seeing you there.

All the best to each of you. Keep up the turning and keep turning up.

Richard Jardine

## AWTEX ENTRIES 2017

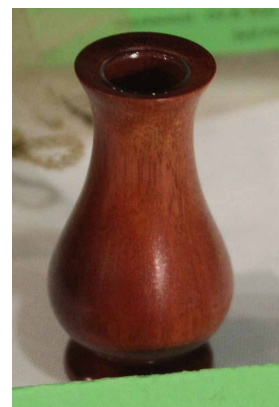
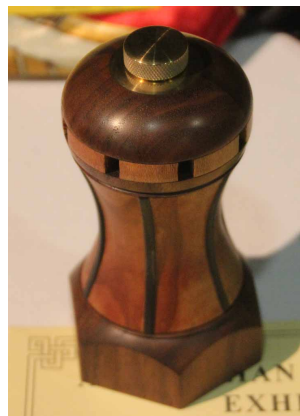
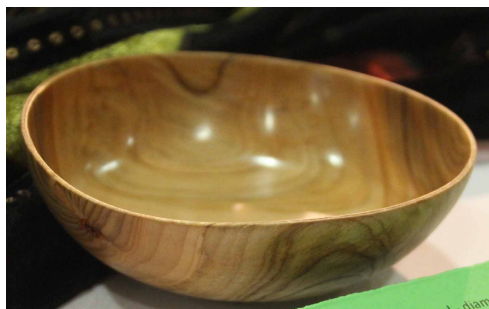


This year, Guild members entered 33 items into AWTEX – 21 Novice, and 12 open. Some of them are included in the picture above, and all should appear on the KWTG website. The turners spoke about some of the stories behind their entries.

### First : The Novices

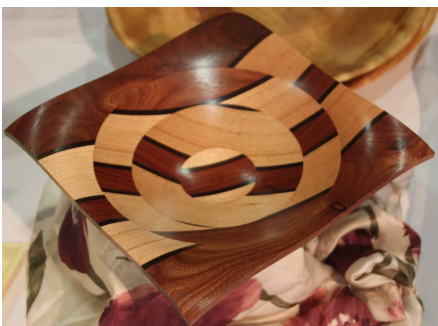
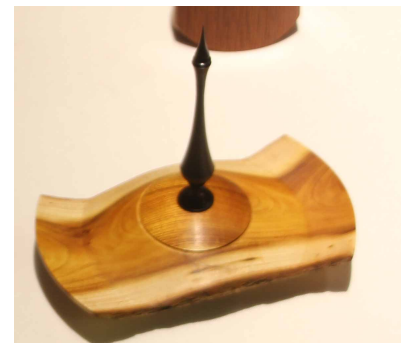
#### Richard Jardine

- Natural edge doll, Ornamental Pear, Danish oil. Sold on the weekend.
- Bowl under 200mm, Atlantic Cedar turned green, Danish oil.
- Spindle-turned pepper grinder, Blackwood and Orange Brush Box, Danish oil. This was in the form of a traditional windlass. The projecting ribs which provide grip for the rope were held by two hose clamps in slots in a mandrel and turned to match the drum profile, but larger diameter. The knob and lid insert were turned from brass on a metal lathe, and the grinder shaft was too long, so had to be shortened and re-threaded. **First Place spindle turned item**
- Vase, Redgum, Glow. This was not able to be judged in the “Eucalyptus” category because of the glass insert.
- Lidded needle case, Camphor Laurel and Osage Orange, Glow. Sold on the weekend.
- Pen, Mango Burl, Natural Burl. **Second Place.**



Rick Hillier – all his entries were finished with Danish oil.

- Natural-edge container, Jarrah burl
- Bowl under 200mm, Rose Sheoak. **Second place.**
- Bowl over 200mm Eucalyptus. **Third place**
- Platter, Redgum burl. He had to disguise the holding method in order to get past the first stage of judging.
- Spindle-turned pedestal container, Partridge wood.
- Spindle-turned elegant container, Banksia and Blackwood. **Second place.**
- Lidded container with wings, Osage Orange and Ebony. The undercut base of the finial matches the angle of the wings. **Third place**
- Laminated square bowl, Banksia, Queen Ebony, Victorian Ash and Jarrah. Turned with sacrificial pine pieces completing the arcs between corners, and a pine spigot for rechucking.



John Wheeler  
Vase, Cotoneaster, Danish oil





Geoff Easton

- Natural edge shallow dish, Photinia, Danish oil.
- Novelty shallow dish, Photinia, Danish oil.



## OPEN SECTION

Graham Besley

- Novelty “Conical Container at Rest”, Oak and Redgum, Danish oil.
- Ribbed vase, Ash and Redgum, Danish oil.

Unfortunately, Graham’s components became separated during the transport/entry process, and the lid and support ring (stand) from the Novelty item ended up on top of the vase.



Cliff Walsh - all his entries were finished with acrylic, except where noted.

- Bowl under 200mm, New Guinea Rosewood and Ebony. The Rosewood bowl was first turned and sanded, then cut into six segments vertically, and five horizontally. It was reassembled one horizontal layer at a time, inserting Ebony “dividers” – rings and verticals.
- Miniature pierced cube, Ebony and English Ash. He had to wash all pieces with thinners to ensure that glue would adhere.
- Spindle turned New Guinea community hut, Blackwood. **First place spindle turned item**



- Identical pair of boxes on stands, Blackwood. **First place identical pair**
- Carved laminated vase, Indian Rosewood. This wood is no longer available. He had to complete the turning and finishing of the interior as each layer was added. The top ring is wedge-shaped in section, providing for the wave to be carved out of it.
- Mantel clock, Ebony, Padauk and brass. A friend gave him the three brass pillars, and the other brass pieces were bandsawn from 3mm thick stock. **First place Clock.**
- Laminated bowl with lid, Myrtle, Danish oil. There are 48 segments around the container..
- Laminated lidded form with legs, Indian Rosewood and veneer. The legs were bandsawn to shape and do not project through the side, but are joined by 3" nails. **Second place laminated/built up.**
- Ornamental-turned box, Australian Sycamore. To enter this category, the turned item, usually in a bland, featureless wood, must have been decorated in an ornamental lathe, where the tool moves and the wood is stationary. It is also possible to use other workshop tools to perform the decorating. **Second place Ornamental turning**
- Spiral Box (Bill Weir assistance) Ebony and Blackwood. **First place Miniature.**



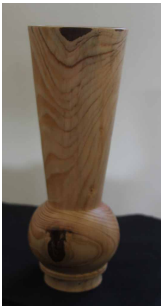
JUNE SHOW & TELL led by DI BIRMINGHAM



Charles Mercer worked hard on this Claret Ash bowl with a Mahogany inlay, piercing all the holes with a Dremel. There is also a segmented Mahogany inlay in the chuck recess in the base. It is finished with Rustins.



Roger Annells' Redgum tablelamp is not quite finished yet. He cut the grooves in the "ball" part way up the shaft with a parting tool whose end was ground on an angle to match the taper of the shaft - very neat!



David Caddy used a recent raffle prize of Atlantic Cedar (thank you Richard) to turn a vase for dried, or turned, flowers. The finish is three coats of Danish oil, with many more to go because he didn't seal the wood first.



Richard Jardine turned this doll from Ornamental Pear. Producing her complicated curves required many centre positions, then she jumped out of the lathe and broke her hat rim.



All the remaining items have been turned by Graham Besley. This Huon Pine lidded container is decorated with pyrography, and it is not easy to get all the line widths uniform. Finished with Danish oil



The wood for this "holey" bowl was supplied by Val, species unknown. It is finished with Danish oil.



Another piece of unknown wood, turned very thin until it was translucent. It has been finished with superglue to give it some strength.



This bowl, again turned very thin, then pierced with a dentist's drill, is Claret Ash. The butterfly is painted with Jo Sonja craft paint.



Graham had already made and finished this Redgum ball with its gold off-centre slices. He then decided to turn it into a hollow form, but unfortunately the hollowing centre didn't quite coincide with that of the original ball, so he ran out of wall thickness on the right.



The dish on top is Blackwood, but the stem is unknown. Finished with Danish oil.



JUNE DEMONSTRATION by ALAN THOMPSON  
Looking after your chucks.

They sit on the shelf near the lathe for months, gathering small amounts of dust, sawdust and moisture, then when you want to use them they are annoyingly reluctant to open and close at some points in their range – what a surprise! Chucks should be covered when not in use, blown or brushed clean after each use, and dismantled for a thorough clean from time to time. Carrying out the first two actions might remove the need to ever perform the third, but here's how, just in case.

Alan made a couple of recommendations for chucking wood in the lathe. First, always turn a tapered spigot on the end of your blank as soon as possible, making sure the spigot is short enough (8-10mm, but check the jaws) so that the wood makes uniform contact on the tops of the jaws, rather than the end of the spigot reaching the bottom. The taper should be the same angle as the jaws – make a metal template.

Second, turn this spigot to the diameter at which the chuck jaws make a nearly-perfect circle, probably when they are almost fully closed (about 40mm). These two guidelines maximise contact between the jaws and the wood.

There are two different types of chuck, defined by how you tighten/loosen them, but the interior mechanisms are nearly identical. In the lever-scroll type, the scroll plate is rotated directly by inserting a chuck lever bar into one of the drilled holes around its circumference, while in the enclosed type, two or more Allen key sockets on the sides of the chuck rotate the interior scroll plate via bevelled pinions acting on a crown ring gear.

Before dismantling a chuck, or any other mechanical device, make sure you know how the bits relate to each other. Make notes, draw diagrams, make centre-punch marks or scribe lines across joints so that you can reassemble the components in the same orientations. Most chucks have their jaws numbered 1-4, but only some have the same numbers stamped into the body. Jaw 4 usually has the opening-limit pin (see below).



**Lever-Scroll Type** (on the left in the picture)

First remove the spindle adaptor insert from the back of the chuck. You may have to undo a grub screw locking it in place, then use two lever bars because it is rarely undone, and it should be tight anyway!

Rotate the scroll plate to close the jaws until you can see the pin in the slot behind Jaw 4. This pin stops the chuck being opened beyond a safe limit, ensuring there is enough engagement between the jaws and the scroll. Do not use a chuck without this pin in place! It is usually a “roll-pin” (a piece of spring steel rolled into a cylinder 2-3mm diameter), but David Caddy has an older chuck where it is a screw thread with a slotted end.

If you have a chuck which is missing this pin, replacements can be bought at engineering and bearing suppliers. Determine whether metric or imperial using drill shanks to size it accurately.

Use a flat-ended punch, or a piece of metal rod (mild steel, brass, aluminium) and a hammer to gently push this pin down through the body, just far enough that the teeth on the back of Jaw 4 will pass over it. Carefully open the chuck jaws by rotating the plate – they will come out one by one. Make sure you know which is which, and the order. Put the chuck face-down, and remove the large circlip holding the scroll plate onto the body shaft. You will need eye protection, and large, strong circlip pliers, the type which open when you squeeze the handles. While it is sometimes possible to remove small circlips with screwdrivers (or other makeshift tools), that is unlikely to succeed here!





Remove the scroll plate. If you look carefully, you can see the wood dust collected in the spiral grooves which operate the jaws.

On the right – all the parts of this chuck.



Clean all components using a paint brush, a wire brush, or whatever else is needed, depending on how long the residue has accumulated. Any cleaning fluid used must be a type which evaporates completely, perhaps petrol, shellite, thinners, degreasing sprays – not CRC, WD-40, etc. Do not use any form of lubrication when reassembling, except **MAYBE** the dry silicone type.

Put the scroll plate back into the body, and replace the circlip. Check easy rotation.

Jaws generally go back in order 1-4. Rotate the scroll plate until the leading end of the spiral is just about to enter the slot for Jaw 1, push Jaw 1 in and turn the spiral until the end is about to enter the slot for Jaw 2, etc. Check when all four jaws are in that they meet exactly in the centre. Alan has seen chucks where the insertion order is 2-3-4-1, so if yours do not meet, you may have one of these. Remove all 4 jaws, and line them up – the one whose first groove is closest to the middle goes in first.

Put the chuck face-down on a bench, place a wooden support block behind Jaw 4, and gently tap the limit pin forward through the body until it will prevent over-opening of the jaws – at this point, the limit pin will probably be flush with the back of the body.

Screw the spindle adapter back into the chuck, tighten it, and replace the grub screw (if applicable).



### Enclosed Type

In this type of chuck, the scroll plate is hidden within the body. In the picture, it is above the jaw slots, and below the hex key recesses. The chuck also has a back cover-plate, which protects the bevelled pinions and ring gear on the back of the scroll plate from most of the dust.

To dismantle, remove the spindle adaptor as above, and the cover-plate by undoing the two Allen screws – mark orientation.



Turn the chuck over, support the body, and tap the limit pin back into the body.

Remove the jaws, as above.

Place the chuck face-down – you will be looking at the bevelled pinions, and ring gear on the back of the scroll plate. The pinions come out next.



Each pinion has a small groove machined in the cylindrical bearing region which runs in the chuck body. They are retained in place by Allen screws down through the body which engage in this groove. Remove the screw for each pinion, and the pinions.

Remove the large circlip holding the scroll plate, deep down in the chuck body. Remove the scroll plate and clean everything.



Reassemble in the reverse order of dismantling : scroll plate – circlip – pinions – pinion retaining screws – jaws.

You could put a small amount of grease where the pinions run in the body, and maybe some silicone spray on the ring gear and pinion teeth. Don't use large amounts of grease, as it will be centrifuged out to the inner wall of the body, then will find its way out past the pinions and back cover-plate onto you and your work!



The last step before replacing the cover is to re-position the limit pin. However, in an enclosed chuck, it will not be sticking out the back of the body, as it would be at this point for a lever-scroll type. It will be somewhere within the drilled hole in the body. From the back, use an engineer's punch, or an appropriate nail with the point ground off, to push the pin back out until it can do its job of restricting the jaw opening.

## UPCOMING EVENTS

### JULY MEETING

- 22<sup>nd</sup> July
- 9.00am

Stephen Hughes all day demonstration. Stephen will be demonstrating items along the line of

- a) Lidded container with inlay detail
- b) Bowl with carved rim
- c) Sculptural 'biomorphic' vessel

\$25 members all day, \$15 members half day. Visitors \$35

BBQ lunch

### **Nunawading Library display**

The display of work from Koonung Woodturning Guild will be on display until Friday 21<sup>st</sup> July

See the pics of the display below. It looks even better in real life, get down and have a look.

Thanks to Graham Beasley and Ray Smith for setting up the display.

- **August meeting**
- AGM and Gadget day
- JOHN ATKINSON TOYS FOR COUNTRY HOPE. Time to get busy making toys for the kids at Country Hope. Hopefully by now everybody is well into making the toys for this very worthy cause. We look forward to seeing what you come up with and don't forget the best, most imaginative item will be awarded the prestigious John Atkinson award (as judged by the Monday night crew). Toys must be completed and brought along to the August Meeting.
- September 17 Schwerkolt Cottage  
The following was received from the convenor for the Heritage day at Schwerkolt Cottage  
The theme this year is "Remember the Old School Days" and we were hoping your group would be able make and sell some items in line with the theme. We have had several suggestions which may or may not be practical and one suggestion was that your group may be able to make simple "Knitting Nancy" (French Knitting) which would tie in with the textile exhibitors that come each year.

## NOTICES

### AGM of KWTG in August.

Unfortunately **three** of our committee members, long serving Ian Absolum as Secretary and Geof Easton as treasurer have both decided not to continue in their rolls. We thank them for their efforts over past years.

Tony Zammit has also decided not to continue and we thank him for his contributions over the past 12 months on the committee.

That means there will be **four vacancies on the committee**, Vice President, Secretary, Treasurer and also events organiser.

It is time for you to consider running for one of the positions at the AGM to allow the smooth running of the Guild to continue.

**Thinking about nominating the committee? Register your interest with Richard Jardine today or before the August meeting or on the day. Get involved.**

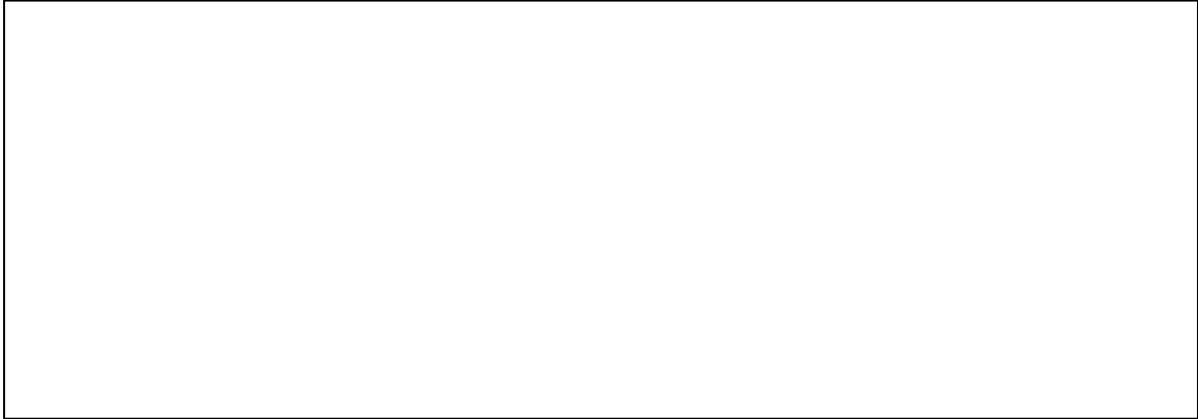
- **Alcove Gallery.** If you wish to submit items for sale at the Alcove Gallery bring your items along at June meeting and give them to Geoff Easton. Also provide Geoff with a sheet with your name, description of the piece, timber and price. Remember the Alcove takes 25% and the guild 10%. Maximum of three items per member.





**KOONUNG WOODTURNERS  
GUILD INC.**

Promoting Excellence and Fellowship  
in Woodturning  
Reg. No. A0033752T



The Koonung Woodturner's Guild meets at 9.00am  
on the fourth Saturday of each month at 109  
Koonung Road Blackburn North 3130



Novice Spindle Turned Item  
Richard Jardine  
Australian Woodturning Exhibition 2017

If unable to deliver please return to Richard Jardine 15 Cunningham St. Box Hill 3128