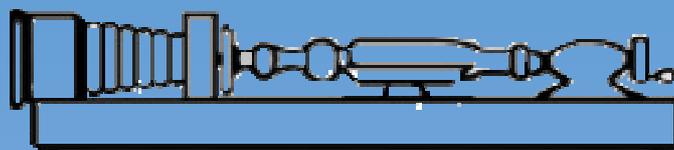


NORTH SHORE WOODTURNING GUILD



SHAVINGS & RAVINGS



ISSUE 172

APRIL 2018

Term 1

Theme for the term Spinning off the lathe

WEEK 1

DEMONSTRATOR Dave Dernie

WRITE UP BY Allan Cox



Dave spent some time on lathe safety and stressed the need to wear the correct protective gear, also to use safe methods for securing timber in the lathe. A good reminder as we all can slip up on occasion and you only get one set of eyes and lungs....

Dave brought along a disc of timber around 350 mm in diameter by 20mm thick that was glued to sacrificial block of timber around 100mm in diameter (using PVA glue)

the disc was held in the chuck by this block which had a chuck bit turned onto it. The disc also had a hole drilled through it in a strategic position to allow access to the screws, which lock the two metal parts together once the item has been assembled. This disc was to be the base that sits on the table.

He then faced off the timber disc to a true surface, before turning a rebate into it to match the jaws of his 100mm chuck on expansion. Dave explained that the jaws should be as close to a circle as possible, to get the best grip. The rebate was around 3mm deep. The disc was then reversed and mounted into the chuck. The bottom edge was then turned a rounded shape with a sharp bowl chisel to form a nice shape and give the base some lift, from the table.



Dave then mounted the larger disc, a 480 mm disc by 30 mm (with some difficulty due to the capacity of the lathe) which

needed to be turned on an angle to get clearance over the bed. He then followed the same procedure to turn the larger top section of the lazy Susan with a matching rebate to fit the mechanism.



The top face was machined with a slight hollow and a rim turned at the edge to add the finishing touch.

After the turning was completed, the

two discs would be sanded through the grits to 400 grit, and finish applied before being assembled with the screws which hold it all together, using the access hole in the disc.



Thanks Dave for another great demo, despite the technical issues with the lathe.

WEEK 2

DEMONSTRATOR Video talk

WRITE UP BY Kerry Snell



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WEEK 3

DEMONSTRATOR Ian Outshoorn

WRITE UP BY Andrew Corston



_Would it be hidden in Ian's fireworks bag? No it's a spinning top made in the hundreds by a late and respected member of the club called Mike Lewis. Long time members will remember him and what a loss he was when he left and went North to Wellsford.

You take a piece of wood and turn the handle. 40mm square 140mm long and 30mm in from one end you drill a 20mm hole with your trusty drill press (Mine is. God bless the Ryobi brand) and then on the other face you drill a 10 mm hole. The 2 holes intersect. The handle is shaped and V grooves blackened with Formica are added for detail.



Prepare the 10mm disc of MDF with a 10mm centre hole and glue a 10mm piece of dowel approx 90 mm long. Tap thru and glue with thin super glue. Mount the 52mm short end in so that the disc is pressing against your pin jaws. Bring Tail stock up for support. Round the long end of the dowel and cut the toggle off for the pull start. (Note that this is not a chainsaw pull start but one that has to be manually wound by the child operator). Drill a 4mm hole thru the pull start toggle handle for the starter rope. Turn the face of the MDF disc (taking adequate dust precautions as it is Man Made nasty stuff) sand and apply a lacquer. Reverse the disc and turn the other face and turn an elliptical shape. Leave some mass for high speed momentum when pulled by the Father of the little tikes. Skew the point true and drill a 1.6mm hole down the longitudinal axis and insert a copper nail. This will protect the point when top is dropped and also be almost frictionless for satisfying spin results

Mask the shaft off and protecting the lathe bed yourself and the audience apply coats of paint the colour of your choice and spin up the lathe to create a kaleidoscopic effect. Try flicking the paint on as it spins.

Drill the string hole thru the top shaft with it positioned inside the handle. Ian's drill bit had a countersink feature making it easy for pull start rope insertion thru the hole. The pull start rope end can be hardened by applying a flame and then squeezing between your moistened fingers to create a sharp point. This will .greatly reduce operator frustration when pull start loading.

Thank Ian for a spintastic demonstration.



WEEK 4

DEMONSTRATOR Dave Browne

WRITE UP BY Trefor Roberts



So when you are organising the programme, there is always certain people you can rely on...David Browne is one of those....

When he stood up on Tuesday and said he was turning Oamaru stone there was an instant buzz of anticipation. The first thing he did tell us, was that's it's very messy and not that good for your tools as the

stone blunts them. He went on to mount a piece on the lathe and turned the outside to look a bit like a Grecian vase saying that he would normally work through the sandpaper grits to finish.



When turning the inside he advised it was important to remember that Oamaru stone is quite fragile and should be left at about 20mm thickness. He then said it was particularly nice to put in some segmented pieces of wood to give some contrast...(is this your next project Ray???) To finish you spray it with water and put it in a warm place to cool as this creates a hardened surface which prevents the ingress of dirt.



Thanks David for a great demo, I've got a piece of Oamaru stone in my workshop ready for me to have a go.



WEEK 5

DEMONSTRATOR Trefor Roberts

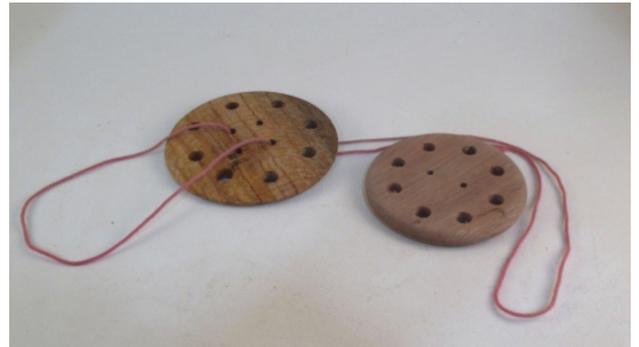
WRITE UP BY Kevin Hodder



the thickness. Power sanded to a good finish, then marked out 2 lines. An outer and inner ring. Using the lathe indexing system he marked the disc into eight equal segments. If no lathe indexing is available then



a protractor to mark out 45 degree segments will suffice. The point(s) where the segment lines cross the outer circle is the point where 8 holes will be drilled. The diameter of these holes is an option – large holes will make the WHIZZER lighter with more noise but possibly more fragile, small holes will result in a heavier, quieter but more robust model.. Also drill two opposite holes along the smaller circle line for the string to go through. Power sanded lightly to remove pencil marks and any breakouts from the drilling. The WHIZZER can now be parted off using a thin parting tool. Trefor then used a jam chuck to reattach the work piece to the lathe for removal and clean up of the reverse side. (Trefor was jammy with his jam chuck as it was a perfect fit) Power sanded off the reverse face and then, using a banana box as a shield commenced to colour the WHIZZER. He used paint sticks but other options would be spray paint, crayons, highlighters, etc. Removed the work piece from the lathe and then commenced to demonstrate it. IT WORKED!



Trefor's next project was to make a Frisbee. Trefor took a 300x300x50 (approx) block of Macrocarpa. Marked out the centre and created spigot to enable mounting on a 100mm chuck.. He left an indentation in the centre to enable easier mounting using a vacuum chuck later on. Using a 35° gouge he created the classic Frisbee outer shape and power sanded to completion. He then mounted the blank onto an appropriate chuck and hollowed out the inner of the Frisbee. Aiming for uniform thickness/thinness with emphasis on the inner edge for ease in throwing and catching. A thin Frisbee equates to

fragility and a short life. A thick Frisbee equates to it becoming a weapon with resultant law suits. When the inside was completed the Frisbee was mounted back on the lathe using a vacuum chuck for removal of the spigot and final finishing.

A good demo which demonstrated again that things that spin are not just tops and Lazy Susan's. Thank you Trefor.



WEEK 6

DEMONSTRATOR Kerry Snell

WRITE UP BY Ian Outshoorn



Kerry started off talking about what turns. Ideas like, wheels, stomach, seasons, aha he said.

The seasons turns, use the leaf falling as a kinetic movement.

Kerry showed us how he makes a sandwich of different wood veneers to get the colour range for the leaf. Obviously he has shares in the Cellotape factory, which is why he uses so much of it.

The scrollsaw that Kerry uses is the



Excalibur, sold by Carbatec.

One of the big advantages is the pinless design. This allows you to easily insert the blade into a closed area.

While cutting, Kerry showed that keeping exactly on the line is not always that critical as the paper won't be there at the end to show you missed the line. Keep the offcuts as you can use them to recover from a mistake.

After everything was cut out, he showed how to use hot sand to shade the edges.

Tip, don't leave the spoon in the hot sand ☐



After the shading, he arranged everything on the backing board. Even up the saw kerf and use more cellotape to stick it all together.

Spread PVA glue on the backing board and place the veneers on it.

Add baking paper and then a thin foam.

Place weights on top of it and let the glue dry.

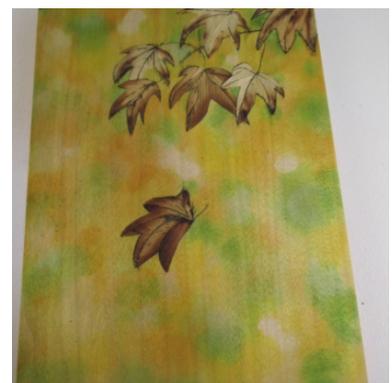
After drying the picture is sanded lightly with the random orbital sander up to 400Grit.

Finish off with Polyurethane.



Kerry showed how wide the area of the scroll saw really can be.

Thank you Kerry



WEEK 7

DEMONSTRATOR Trefor Roberts

WRITE UP BY Trefor Roberts



So my day began like this...

Julie called to ask me to please do the write up for the Evening Demo as she was unable to attend.....No problem at all I said!

That was all good until I got to the Guild and found out it was supposed to be Andrew Bright demonstrating and he was a NO SHOW as I was supposed to phone him to remind him....OOOPPPPS

Taking ownership of the mistake....whilst I got my head together....I had the excellent assistance of David Dornie who organised the wood and Ian Outshoorn who sharpened the tools for me.....SO.....We were all set to go!



The object of the demo was to make a Tea Light (Sorry not a spinning Tea light!)

Utilising a 100 square by 50 piece of Totara turned between centres until round and then cut a spigot to fit 50mm jaws.

I then proceeded to mount the piece in the chuck, faced off the front and bore a 25mm hole for locating the candle itself. Using a Skew, I enlarged the hole for a sliding fit of the tea candle. I formed the shape...in this a case it looked abit like a flying saucer. Normally I would sand

and totally finish the top of the tea candle, however, in the demo....I didnt as I didn't want to create too much dust.

Turn the piece over, change the chuck to a 25mm pin jaw chuck and reverse the piece onto the chuck using the bored hole to secure. Form a shape approximately the same profile as the top.

The final cut are to make a slight concave for the base so the tea candle sits flat on a approx 25 mm base. To finish I would recommend using Fishy's Lacquer, Triple E and Wax (all of these are available in the shop)



AND ViolaDemo done....Hopefully you enjoyed it...I know I did and I hope I can get Andrew back next term

WEEK 8

DEMONSTRATOR Julie Gannoway

WRITE UP BY Trefor Roberts



"Unfortunately I was away for Julie's Demo, but I heard great things about it.....For a lady who doesn't really spin spinning tops particularly well, she seems to be fairly addicted to the whole process of making them. That's understandable as it is a lot of fun, in fact it is rumoured that she has a bowl full of them at her front door for friends and family and I know from personal experience that she has created that addiction in some other Woodturners too.



Its great that she has put a new Spin on the spinning top by creating a Spinning Top lidded box.

For more information on the Spinning phenomena go to www.abctoupie.com

Thanks Julie"



WEEK 9

DEMONSTRATOR Pepi Waite

WRITE UP BY Trefor Roberts



Ian turned up all prepared and resplendent in his shorts and work boots ready for action.

The theme was sharpening of tools, and as an ex tradesman (boatbuilder) I can really relate to that. Although I was taught to hone all of the tools on an oil stone then strop by hand to remove the burr. You could hear if someone's tools were sharp by the sound of them cutting the wood. I have learnt, thanks to Ian and others that with wood turning you also must have sharp tools but usually only hone the skew

chisels, and the other tools are used straight off the grinder as long as it is a CBN wheel or fine grit aluminium alloy wheel.

A wood lathe chisel edge is a lot different to the edge which is honed onto a hand plane blade (a 500mm bowl spinning at 500 RPM travels at 94kph at the outer

edge) and therefore a normal plane blade would not last any time on a

spinning piece of wood due to this factor.

Ian favours using sharpening jigs for all tool grinding and also a CBN wheel. He reiterated that most production turners are good enough to adapt to different angles of grind and are still able to turn proficiently. However us hobby turners need to use jigs to get consistent angles on the wood turning tools.



Woodcut make good sharpening jigs that are adjustable for the different angles of grind required, and Ian favours setting up these up at 35 degrees, 45 and 55 degrees which are the commonly used angles on bowl gouges.

Ian also mentioned that he often puts a small angle on the heel of the 55 degree bowl gouge to prevent bruising when turning on the inside of a bowl from a sharp angle on the heel.

Ian also spent some time discussing how to set up the chisel in the jig and to make sure that it is set up square off the jig so that the flute has even wings on each side when it is ground.

The end product should be a sharp chisel that is easy to use and does not require a lot of pressure to produce a good finish cut on the bowl.



Thanks Ian for a thoughtful and informative demo as usual

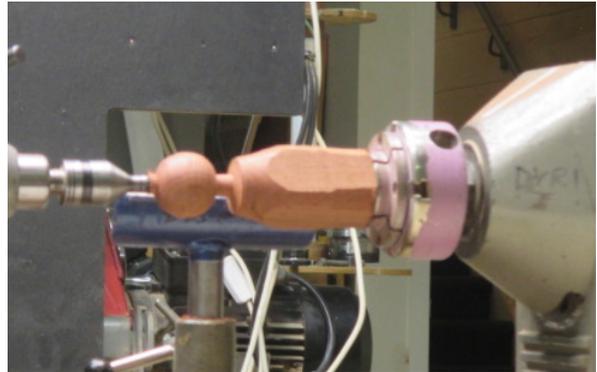
WEEK 10

DEMONSTRATOR Bruce Wood

WRITE UP BY Kerry Snell



South Auckland's Bruce Wood demonstrated for us on the 3rd April. He turned a jarrah spoon of which the bowl of the spoon had a lid which effectively made it a lidded box. Normally I would go through the process of how he made it but not today.



Bruce's demo was what I would call a classic woodturning demo, a turner who knew what he was doing .

What was interesting for me was the process of how the original blank was set up, the turning of a sphere and what Bruce used to finish the spoon.



The wooden block of jarrah for the spoon had a cut out which was replaced with a waste block to return the block to it's original size. This process could be used to do all sorts of things.



To get a perfect sphere Bruce turned a rough round and then used a piece of plastic pipe on his sphere to see if any light showed through, then adjusted where necessary. He also measured side to side with a vernier to check both sides were the same. Finally he used a stainless steel tube to rub over the sphere to finally round and then sanded it.

Super glue was used as a hard finish followed by Triple E and then "Glow".



Thanks Bruce.



WEEK 11

END OF TERM COMPETITION



BEGINNER CATEGORY WINNER
Stan Flintoff



INTERMEDIATE
CATEGORY WINNER
Adrian Steel



SENIOR CATEGORY WINNER
David Dernie



END OF TERM COMPETITION ENTRIES



THEME FOR 2018

TERM 2

BOWL

Any shape style size colour wood

NEED HELP??

WHEN ARE WE OPEN?

CONTACTS

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Vice President	Doug Cresswell	410 7866
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TERM 2 2018

DEMONSTRATOR PROGRAM

BOWL

Any shape, size style, colour, wood etc..

Date	DEMONSTRATOR	WRITE UP
W1 May 1	Trefor Roberts	Allan Cox
W2 May 8	Ian Outshoorn	Kerry Snell
W3 May 15	Collaberation Night	AndrewCorston
W4 May 22	Shaun Blunden	Pete Burnett
W5 May 29	Les Whittie	Pepi Waite
W6 June 5	Bruce Wood	Ian Outshoorn
W7 June 12	Dick Veitch	Julie Gannoway
W8 June 19	David Derie	Allan Cox
W9 June 26	Terry Scott	Kerry Snell
W 10 July 3	END OF TERM	

MONDAY CROWD Guild open from 9am



SATURDAY OPENINGS Guild open from 9am

John and Mary Green will be opening the guild on the 1st Saturday of each month.

Terry Denvers will be opening the guild up on the 3rd Saturday of each month.

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