NORTH WARWICKSHIRE & HINCKLEY WOODTURNING CLUB

NEWSLETTER Oct 2014

www.hinckleywoodturners.org.uk

Notes from the Editor

From what I have been told, the Coombe Abbey craft fair was a success. Some fantastic examples of turning and lots of visitors to enjoy them. Congratulations to the Coombe Abbey club for their efforts.

Thank you to all who came to Axminster Nuneaton's 5th birthday event. Colwin Way & Jason Breach were impressing you with their turning skills. By the time you read this, you may have also seen Jason twice more, once at Coombe Abbey and once again at Axminster Nuneaton.

Axminster Nuneaton plays host to Phil Irons on 1st November. If you want to see hollowing tools in action, or just want a chat, I'm sure Phil will gladly oblige.

Inside, you will find my report on Adam Stephen's demonstration. It's good to see young people taking an interest in woodturning. He even managed to show us an idea I had never seen demonstrated before. The chat at the end about selling his work to shops also proved very interesting.

The Worshipful Company of Turners is holding an exhibition of turning on Wednesday 29th October in London. It is worth a visit.

Regards
Rob Sheehan

Adam Stephens 7/10/14

By Rob Sheehan

Adam's project for the evening was a 'reverse' bowl in Sapele. This was a new idea to me.

He started with a spindle roughing gouge (!) to turn the 8" bowl blank to round, followed by a bowl gouge to form the outside shape of the bowl. Finally, Adam used a french curved scraper to finalize the outside shape. He then used a skew chisel to create a dovetail foot. The outside was sanded with 180 grit and 240 grit, followed by Chestnut cellulose sanding sealer. After denibbing the surface with Webrax, Adam applied a friction polish finish that was buffed up using a lint free cloth. He then drilled a 1" hole through the centre of the base, stopping before he hit the screw chuck.

Adam then gripped the dovetail foot in the chuck jaws before hollowing the inside of the bowl with a bowl gouge, followed by the french curve scraper. The inside was sanded, sealed, denibbed and finished as before. Adam then mounted the rim of the bowl in Cole (button) jaws and removed the chucking spigot with a parting tool. The cut was slightly angled inwards to ensure the bowl would sit flat.

Now Adam demonstrated the use of the Ashley Isles Unichaser thread cutting tool. This single tool can cut both the male and female threads. The 16 tpi tool used by Adam costs around £20 for the unhandled version. Adam sanded a 45º angle on the outside edge. Running the lathe at about 200 rpm, he moved the thread chaser in a circular motion, starting the thread at 45º and gradually bringing it parallel to the hole edge when the thread was well formed. Adam finished the female thread by applying a coat of paste wax with an old toothbrush. Adam then started on the smaller inner bowl. Mounting a new blank on the screw chuck, Adam turned an eggcup shaped bowl, the top diameter of which matched the diameter of the flat on the bottom of the previous larger bowl. He cut a dovetail spigot on the base and left enough material at the top to create

the male thread. This diameter was approximately 2mm bigger than the internal diameter of the female thread. Adam cut a clearance groove at the bottom of the spigot so that the chaser did not hit the base and ruin the thread. To cut the corresponding male thread, the unichaser is simply flipped over. Starting at 45º as before, Adam moved the unichaser in a circular motion, bringing it round to parallel as the thread forms. He kept trying the bowl for a fit and removing more thread material until he got the two parts to screw together. A coat of paste wax on the thread eased the fit.

Bowl components: Large bowl with hole containing the female thread. Small eggcup bowl with male thread

Small bowl screwed inside of the larger bowl.

Small bowl screwed to base of larger bowl.

At the end of the demo, Adam and his Dad told us about the effort and cost of selling Adam's soldier toys (see below) to shops.
This requires CE certification. The finished item must be sent to a lab who do a scratch test to determine the safety of any finishes used. The toy must also pass drop, throw and pull apart tests as well as not having any parts too small that could choke a small child. All of this costs about £1000 for each toy design. Additionally, Adam requires public liability insurance. Some of this can be avoided if the word "toy" is not used to describe an item. For example, the lettered blocks are for 'display', not for playing! Adam uses Tooltech's Click 'N Carve cnc router to carve the letters in the blocks. At £2000, you need to sell a lot of blocks!

NORTH WARWICKSHIRE & HINCKLEY WOODTURNING CLUB EVENTS 2014

October	7th	Demo	Adam Stephens
	21st	AGM	
November	4th	Hands on	
	18th	Demo	TBD
December	2nd	Hands on	
	16th	Christmas Social	

Next Demonstration

Tuesday 18th November TBD

Next Axminster Event

Sat 1st November Phil Irons