



Cheam Woodturners Association

Associated with the Association of Woodturners of Great Britain

Twinned with Central Oklahoma Woodturners Association

May 2016

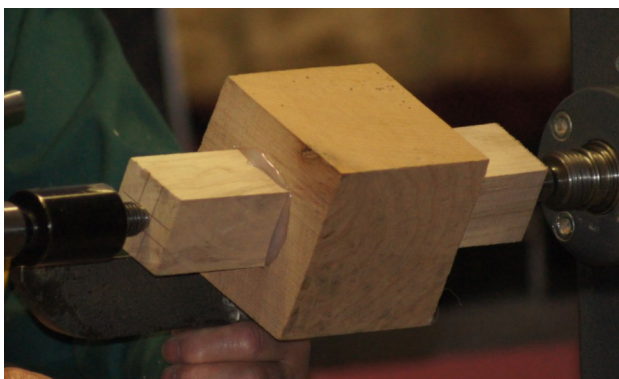
On May 18th B.J. Norman will be demonstrating

Derek Dowle reports on the evening's demonstration.

At this month's meeting Paul Howard demonstrated using various jigs that he has designed and made to enable spheres and other shapes to be turned and embellished.



The demonstration was to focus on spheres; however, before any jig was to be deployed, Paul explained how to prepare the sphere blank. The blank from which the 100mm diameter sphere was to be turned was approximately 110 x 110mm in section and slightly longer in length. To each end was hot-melt glued an offcut of similar length to the blank but of smaller section.



Once assembled and set between the head and tail stock the central section was reduced to 100mm diameter using a roughing gouge and the two end blocks to 15mm diameter

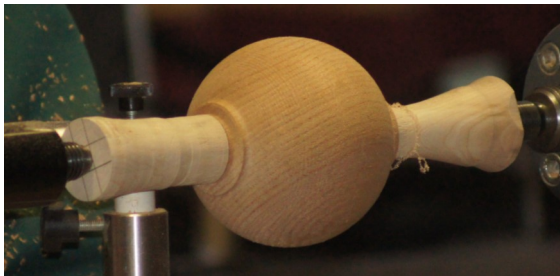
using a bowl gouge and then parting tool to square up the interface with the sphere block. Paul suggested reducing the volume of the blank before utilising his new sphere turning jig.



Using a constant of .297 multiplied by the diameter of the sphere a line is marked the calculated distance around the blank from each end and again at each end from the circumference of the blank towards the centre. A 45° chamfer is then turned between these lines. If a larger sphere is being turned, then further lines can be drawn from each chamfer using the constant of 0.11 multiplied by the diameter of the sphere.



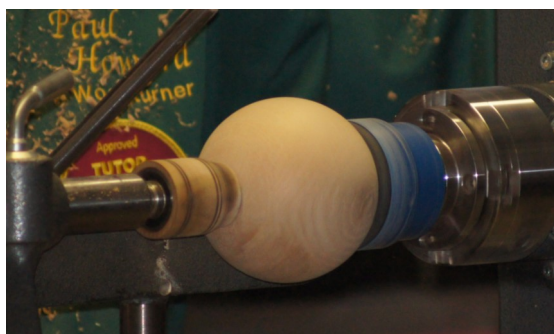
Paul explained how to set up the jig with its carbide cutter and then use it to create the sphere. The jig does not enable the sphere to be completed, only up to where the 15mm end blocks abut. With the work for the jig complete it is dismantled from the lathe. The blank is removed from between the stocks and the end blocks knocked off.



Paul then introduced his cup chuck arbors and how to position the sphere back on the lathe utilising cup chucks.

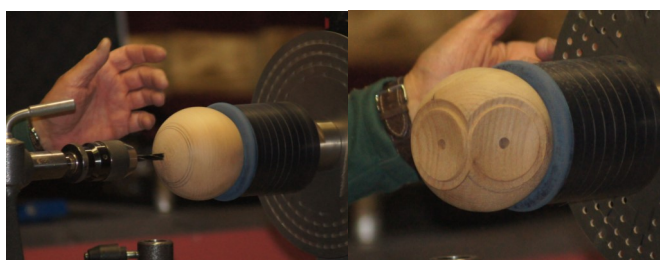


The sphere was positioned so that each stub left on the sphere after the removal of the blocks were not aligned. This enables each stub to be removed individually with a bowl gouge. The bevel of the gouge is placed on the rotating sphere and then gradually rotated to remove the stub. The sphere is now complete.



When the demonstration started there was no indication of what the final item was to be! This fact soon became known when Paul started to set up the indexing system, vacuum chuck and marking up the sphere for phase two of the demonstration to create the head of an owl.

Before the sphere is set up in the vacuum chuck it is marked up with two points set 55mm apart, which will be the centres of each eye. 60mm Diameter circles are then drawn from these points. With the sphere in the vacuum chuck and a drill bit set in the tailstock, 10mm diameter holes are bored which will eventually house the 'teddy bear' eyes.



The next task was to turn each eye with a bowl gouge to remove the sphere segment inside the 60mm circles. The inner part of the circle is left raised a few mm above the circumference into which the eye flutes are to be cut. The raised section is turned concave.



To cut the flutes in the eyes the indexing system and fluting jig were set up on the lathe and Paul explained their use. The router in the flute jig was fitted with a 'V' cutter. Paul cut 36 flutes around each eye utilising the 60 hole ring of the indexing system. To complete the eyes recesses are turned into the centre of the raised fluted areas to house the bodies of the eyes.



The beak for the owl was formed from a 20mm square section of wood. Using a sharp chisel a flat area was cut for the beak to be fixed with superglue. To complete the demonstration Paul turned a pedestal for the owl's head to sit on.



Full details of Paul's jigs can be found on his website at www.paulhowardwoodturner.co.uk.

Paul obtains the eyes from www.daintysupplies.com.

On the April Show Table

May 2016



The winner of the April Show Table is Brian Ash for his offset bowl



This walnut bird finished in wax by Derek Dowle was inspired by Kristian Vedel.



This complicated maple and beech platter with a wax finish was brought in by Gordon Cookson.



Francois Greefe brought in this clever three piece fruit bowl and ball made from some rotten oak and finished with Briwax. The pieces are interchangeable and fit together in a number of ways.

We look forward to seeing you on the 18th of May

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WOOD CHIPPINGS WANTED

If you have any unwanted chippings and the like from your woodturning and do not know what to do with them, then please contact Andy Bennett who will be only too pleased to take them off your hands. Either speak to Andy at the Club shop during the May meeting or email him at bearbennett65@yahoo.co.uk.

Important Notice

The committee is now a man down as unfortunately Ron Grace is no longer mobile and is unable to attend meetings. A new hip is in the pipeline.

In the short term assistance is needed to assist with the taking of photographs and managing the show table during the club meetings. It will only take a few minutes to ferry the items from the show table, so that they can be photographed. Anyone wishing to volunteer their services please see Chris Taylor at the May meeting.

Also could all members who bring in items for the show table please identify themselves, writing full details of the wood used and type of finish.

Also could members please use the newsletter if they have items for sale or anything they wish to communicate to other members.

A quick e-mail will suffice to the email address opposite.

2016 Programme

- May 18th** :- B.J. Norman.
- June 15th** :- Club Night Hands on night
Francois and Alex
- July 13th** :- Mark Baker and the
American guests.
- August 17th** :- Club Night Teaching Turning
- September 21st**:- Chris Grace
- October 19th** :- Mark Hancock
- November 16th**:- John Plater.
- December 21st** :- Club Social Evening and
Frank Clarke competition.

**Deadline for the
June issue of the
e-newsletter**

May 31st

**If you have any article or
information you would like
included in the e-news.**

Contact: Chris Taylor

Chris.r.taylor@hotmail.com