

October



# Woody's World

The Newsletter of



2018

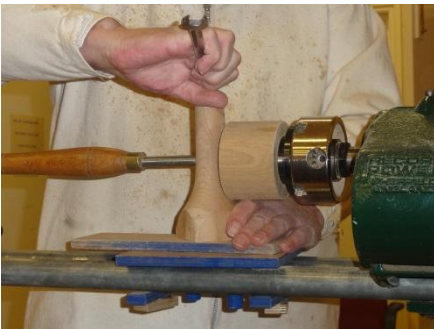
## The whole sphere inside and out

Mick Smetts

In the spring Mick had demonstrated a simple way of turning a sphere. Strictly it was a set of approximations cut to guide lines. This month Mick showed how to cut/carve out the middle to give a hollow sphere and also a simple device to turn an accurate sphere.



Carving out the inside whilst it forms a perfect curve is actually not a surface parallel to the outer surface



The home made jigs actually centre just outside the spheres centre. As can be seen in the next picture taken from above. The actual centre of rotation of the cutter is some 5mm away from the real correct position.



## Basic Steps

1. Dove tail each end the mark into two equal parts to fit into the chuck later...
2. Whilst rough cutting cut down the centre a portion as this will save time later. This will be the outer ends of the block you turn into a sphere.
3. Now set up the home made jig to form the inside hollowing out using each block in turn. See picture above. You have two hollowed out blocks.
4. The two hollowed out pieces need to close fit together so cut a small shallow step at the end on one piece and do the opposite on the other end. With care the two pieces will fit together tightly.
5. Now fit the jig for cutting the outside face of your ball. This jig is a radius arm which can be used to turn up a sphere. This step or rather steps will take some time
6. All that remains is to form a finial on the top and a base plate.



Gradual cutting of the outside



Putting a base and finial on the ball



Polishing the final shape



Completed sphere

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We are coming up to Christmas , although it seems a long way off at present, and that means parties. The club hopes to hold its annual party at our January meeting. Details will be outlined at our next meeting.

Do you know anyone who wants to take up woodturning? Bring them along and let them see how folk just like them get on.

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## Forthcoming Attractions 2018

Meetings normally are on the first Thursday in the month except when there are elections. Meetings start at **7pm**.

4<sup>th</sup> October Inlay demo by Dave Simms

1<sup>st</sup> November

6<sup>th</sup> December

*Forthcoming demos: Penmaking, Christmas novelties, Veneering*

*Remember: members who demonstrate will receive payment.*

### Committee

Chairman	Nick Milton	nick.milton5@ntlworld.com
Vice-Chairman	Ken Croft	Kay_cee@talktalk.net
Secretary	Steve Jennings	01295 812147 stevejennings070@btinternet.com
Membership Sec.	Dave Simms	
Demo Organiser	Vacant	
Treasurer	David Williams	01788 810035 vrseurope@btinternet.com
Editor	Mike Sharman	michael.sharman1@tiscali.co.uk