

Here is the finished turned bowl still on the lathe



### Forthcoming Attractions

Apr 4th	@ 7:00 pm	Malcolm Hill
May 2 <sup>nd</sup> or 9th	@ 7:30 pm	Members demonstration
June 6th	@ 7:00 pm	Peter Fagg- Platters from around the world
July 4 <sup>th</sup>	@ 7:00 pm	TBA
Aug 1 <sup>st</sup>	@ 7:30 pm	Hands on members demo
Sept 5 <sup>th</sup>	@ 7:00 pm	Richard Findley
Oct 3 <sup>rd</sup>	@ 7:30 pm	Hands on or members demo
Nov 7 <sup>th</sup>	@ 7:00 pm	Viv Harvey
Dec 5 <sup>th</sup>	@ 7:30 pm	Hands on or members demo

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Our 2013 year started with the usual social at the January meeting with well over twenty attending. But in wood turning terms it was the next meeting when Graham Ball came back to finish his demonstration on segmented bowls. A comment from last year was "how does Graham find the time to do anything other than wood turning?". Well after this month it was repeated several times. I have a friend in Graham's club and he assures me Graham is a normal wood turner. In fact he is their reporter plus many other things and despite what we might think he has bags of time for the normal things of life. But back to last month's demo.



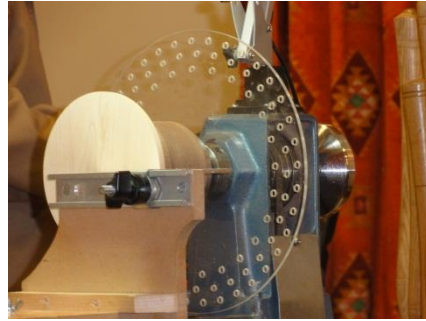
Here you see the sort of work Graham shows and demonstrates. Having done it several times he had a lap top presentation to fill in the gaps or add essential details.

Before doing any work he draws up the key details of each step and exactly the sizes of the small blocks which would be eventually turned. Being a mechanical engineer one block was "something .6 mm"! The exclamation mark is mine but then I am a civil engineer, as my tutor wrongly states "for you being within an inch is very good."

Having cut the individual blocks the next step is assembly. First glue the base to a "false chuck" which has a small drilled hole in it. This will eventually be used to help steady the turning bowl when reversed. Once you have a basic base then add and glue each small block.

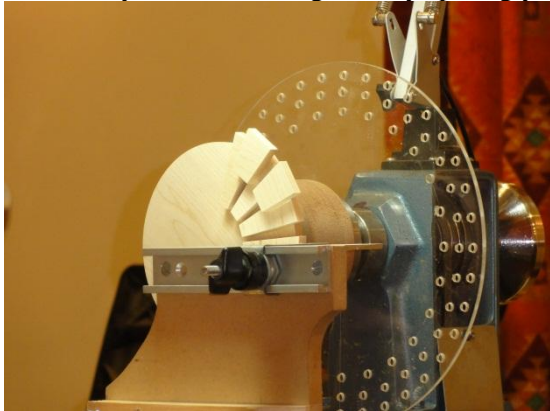


Base turned



Ready for glueing of blocks

Note in the second picture the plastic disc used as an index ring to accurately rotate the work piece, also the jig used to position the block onto the base so it can be glued accurately. Graham uses glue very sparingly.



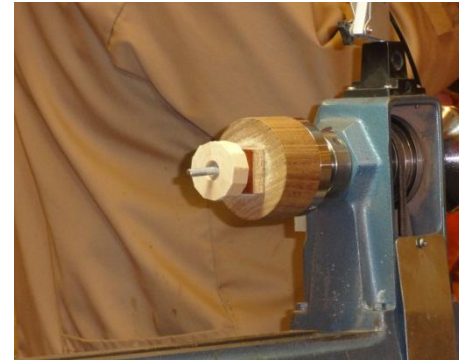
Here we have a series of blocks glued in two layers.

On the second layer you put glue on just the edges of the blocks. Normally each layer or ring would be completed before moving onto the next. Graham used just hand pressure to hold the blocks in place. You need a good quick fix glue which 'grabs' the block using a very small amount of pressure from the fingers.

In the demonstration piece the final layer is a full ring but made from segmented pieces. This will take the feature top ring of hoops.

These are like hula hoops but just a semi circle. Since they are quite delicate Graham had found that the best way is first to make a "dowel" which is then halved.

These hoops are glued onto to top layer.



A dowel being shaped up.



The completed top ring with a sacrificial support ring inside.

The whole segmental bowl can now be glued up ready for turning. Normally Graham said he would leave at least a day before turning to ensure the glue had gone off.



On the left is the glued bowl ready for turning. Note the reinforcing segments on the top feature ring. In the second frame where Graham is turning the outside note the way he holds the gouge with his left hand. He is emphasizing at this point how having one finger under the rest with the thumb over gives a really firm working position.

*An aside "Butterflies are the next Ball project, or rather segments which have a 'picture' of a butterfly through them. He showed how far he had got with this project which is taking months and months. Perhaps we can have him back in 2015 to show us the finished segmental butterfly bowl. I should perhaps add I personally thought the idea quite beautiful."*