



Forest of Bere Woodturners Association Newsletter

Saturday Club Workshop 8th April 2023

This morning started with the news that John was unable to attend. After talking to Richard we agreed that the three lathes would be set up as usual. Alan would be on lathe one explaining about Secret Lidded Boxes. I had brought along a few samples, which Alan demonstrated how they were Secret boxes. *Photos 1 & 2*



Photo 1 - Secret Lidded Boxes



Photo 2 - Secret Lidded Boxes Opened

Lathe two would be myself with hands on Pen Making also on how to turn an Egg. *Photo 3*. *Photo 4* shows Kate with hands on turning her pen.



Photo 4 - Kate Turning a Pen

Photo 3 - Egg and Pen

The third lathe was available for any member who would like to have a go. Don Hall took the opportunity to turn a lidded box. *Photo 5*



Photo 5 - Don Hall on the Lathe



Photo 6 - Don's Box



Photo 7 - Kate's Pen



Photo 8 - Alan on Lathe one

Photo 8 shows Alan on lathe one.

The break came and a number of ideas were discussed for next month. Captive rings was one project that was mentioned followed by offset turning, it was suggested that members wishing to know more about offset turning to bring along their own chucks. Another good point made was for members to bring along a list of say up to ten items that they had made, this was so members could share their ideas with everyone else. This suggestion was to inspire beginners with ideas, as to what they would like to see and the techniques on how the items were made and to give the tutors time to prepare for the following month.

Of course, we still need you to bring along a project that you are having trouble with, either fixing to the lathe, turning or just how to finish the piece. John is still in the throes of re-organizing the club grinder and as soon as it is available, sharpening will be another option on offer.

Photos for Saturday club thanks to Steve Hugo, Kate and Don Hall

Club Night 18th April 2023

Welcome and Introduction

The evening started in the usual way with all the equipment being set-up ready for the demonstrator. Richard opened the meeting welcoming guests and new members before giving out the announcements. One in particular that was mentioned was the forthcoming WEST'S show and if any member can spare the time and help man the stall then please get in touch with Richard. Any member wishing to have a piece /pieces of their work displayed please bring them along to the May meeting. It was then time to introduce our demonstrator this evening Malcolm Bryant one of our very own club members.

Demonstration by Malcolm Bryant

Malcolm took the floor giving a little bit of his background stating that he had been turning for 11 years, and said that this would be his very first demonstration and to please bear with him. Tonight's demo was going to be a tribute to David Springett who sadly passed away recently. David had actually been to the club on a couple of occasions demonstrating. The inspiration for tonight came from the many books that David had written and he would be turning a RIBBON STREPTOEDRON.

The first thing that he explained was that you require to make three sets of blanks, taking two pieces of 65mm square by 27mm thick plus, then four pieces 45mm square by 27mm plus, glue them into three pairs using newspaper between the joints. Once dry they were cut into rough circles (in true Blue Peter style, those operations were done at home), to allow him to get to a finished size of 116mm diameter and 80mm by 25mm thick. *Photo 1* blanks glued together and *Photo 2* rough-cut ready for mounting on the lathe.

Malcolm then explained by using drawings what the finished design would look like in *photo 3*, which shows both the 80mm and 116mm designs.



Photo 1 - Papered Glued Joints



Photo 2 - Rough Cut Circles

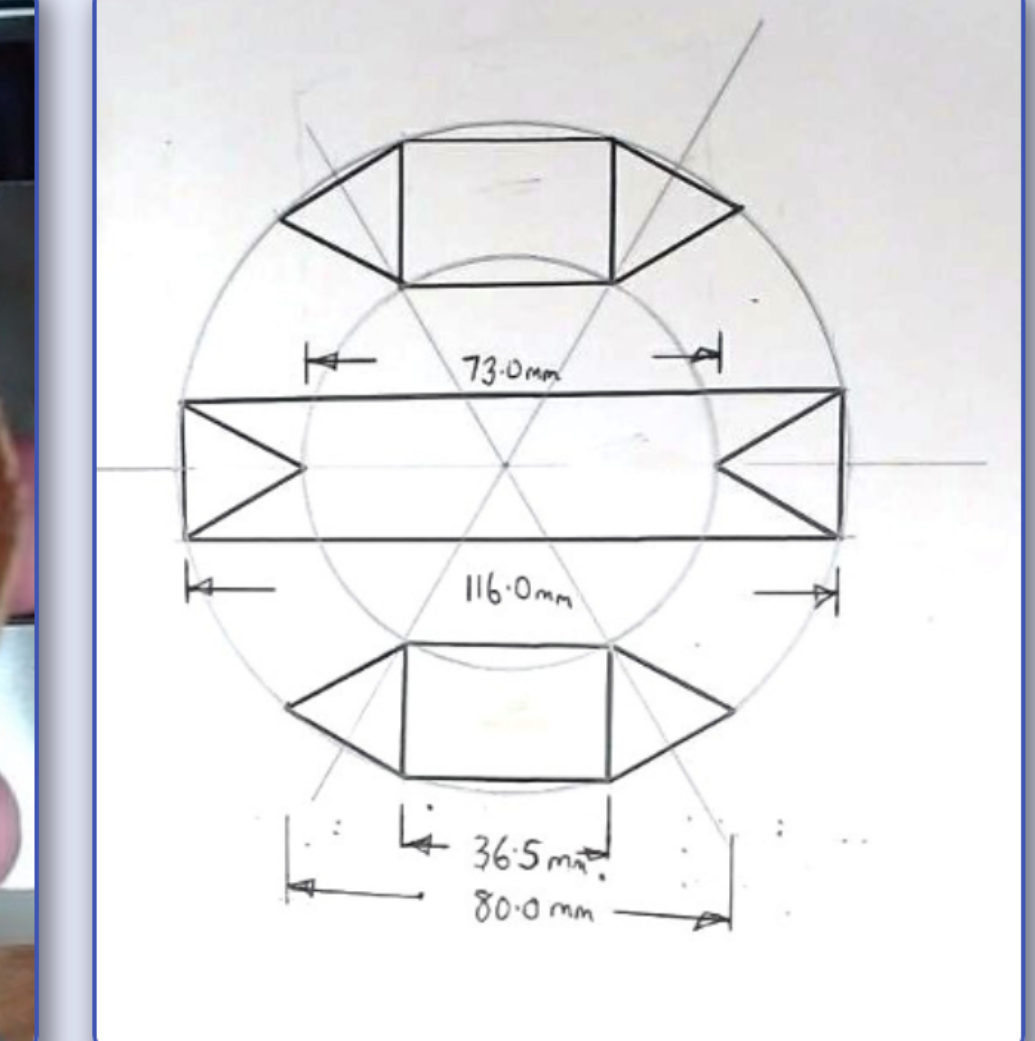


Photo 3 - Drawing Showing Both Shapes

Taking the 116mm blank first, attached it to his wooden faceplate via a nut and bolt this was to help in preventing the glued joint from splitting during turning. The disc was marked with an outer circle of 116mm and an inner circle of 21.65 from the outer ring. First thing was to then turn it down 116mm. Taking a Parting tool at the 21.65 mark and going in to a depth of 12.5 from the face made a parallel cut. Taking up a spindle gouge Malcolm proceeded to turn the diagonal shape from the outside towards the inner groove until he had reached a length of 25mm and flat. *Photo 4* shows the first side.



Photo 4 - Showing Shape of First Cut



Photo 5 - Reversed

Once satisfied that everything was OK it was sanded and polished it would be ready to be reversed. The first thing that he did was to face it down to the 25mm thick before marking off the 116 and 21.65 dimensions. Then using the Parting tool turned a groove at the 21.65 mark just short of half way through to prevent breakout at this point and continued to turn as side one sand and polish.

Photo 5 shows Malcolm having screwed supports on to hold the reversed piece, remove the nut and washer before commencing to remove the waste centre.

Turning the 80mm blank was exactly as the first but instead of turning from the outside to the centre, this time you turned from the 21.65 mark to the outside to a line marked at 12.5mm from the front edge. *Photo 6* shows the 80mm piece reversed.



Photo 6 - Small Piece Reversed



Photo 7 - The Glue Gun being used

Before removing the centre, Malcolm applied the holding blocks by screwing them to the faceplate, using a hot glue gun applied a spot to each block; this was to be sure that the piece would not move. *Photo 7* shows the object having the glue applied to the blocks. This procedure was carried out on each piece. When all the three rings were completed, using a knife split along the glue lines and the excess paper sanded off very carefully. Malcolm said that to help him in gluing the pieces together to make the Streptoedron he would drill a small hole (for a small dowel) in the end of each piece.

Photo 8 shows the marking out for the drilling. *Photo 9* shows the direction of cuts when you are turning the individual pieces. *Photo 10* shows the unglued finished article. One tip is that when you are assembling the pieces together that you line the internal curves up first, as it is easier to correct the outer curves possible using a small drum sander. The 1st project was finished up to final assembly point

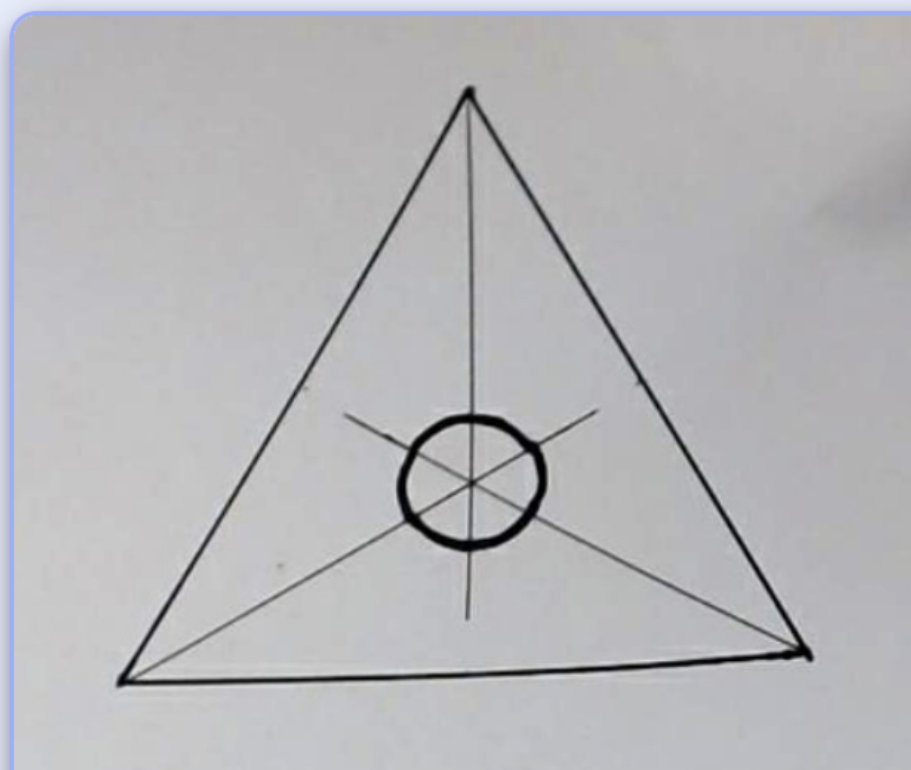


Photo 8 - Marking Out and Drilling

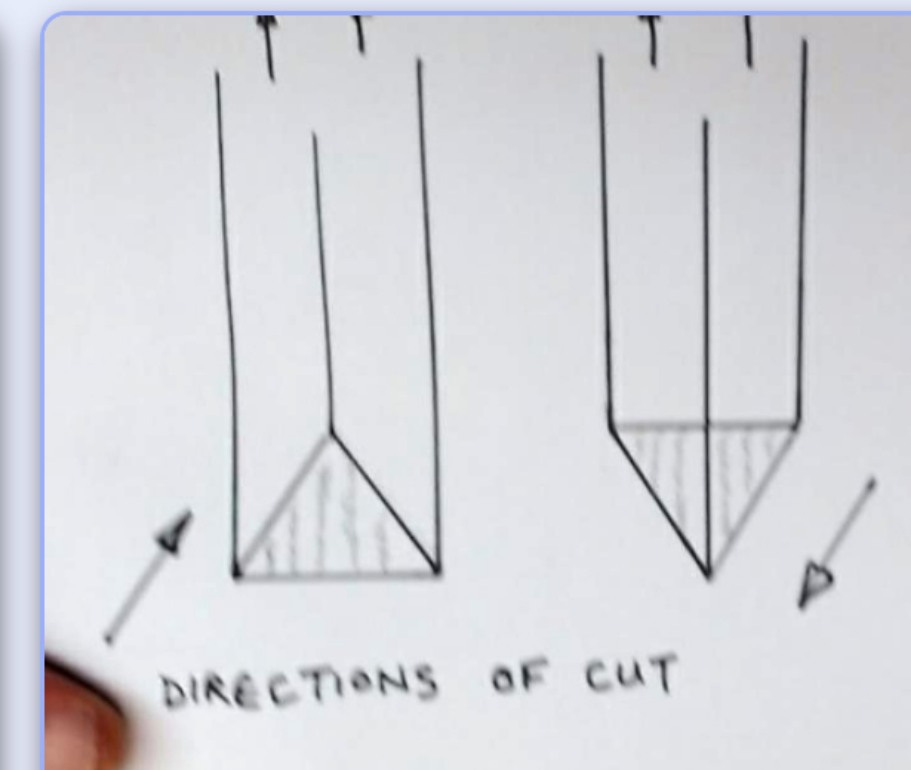


Photo 9 - Shows the Direction of the Cuts



Photo 10 - Shows the Unfinished Streptoedron

Malcolm started another project with a different twist, which would be easier for the Beginners.

Firstly, you will need two pieces of lathe 130mm long by 92mm wide by 46mm thick. Glue the two pieces together again using paper. When placing the block on to the lathe you must take care as any pressure through the headstock and tailstock drive centres may split the paper joint. (I will add a couple of tips on how you can achieve this) Once mounted on the lathe reduce the square down to round adding a chucking point on one end. Place the object in to the chuck and finish turning the piece down to 80mm.

Photo 11 shows the drawing of this project.

Using the drawing as a guide mark off four turning lines. Starting from the centre draw two 20mm lines left and right this will give you your 40mm body. Draw two more lines 20mm away from each of the bodylines. This will give you a project of 80mm by 80mm.

From the main two bodylines, reduce the outside lugs down to 40mm. Sand and polish.

Draw two lines 20mm each side from the main body. Start to part off from the tailstock end sand and polish then turn your attention the headstock end and part off (using your preferred method).

Sand and polish. Using a Knife blade cut the piece in two along the paper joint, clean off the surplus paper joint and do a trial assembly. Once satisfied then you can glue them together to look like *Photo 12*.

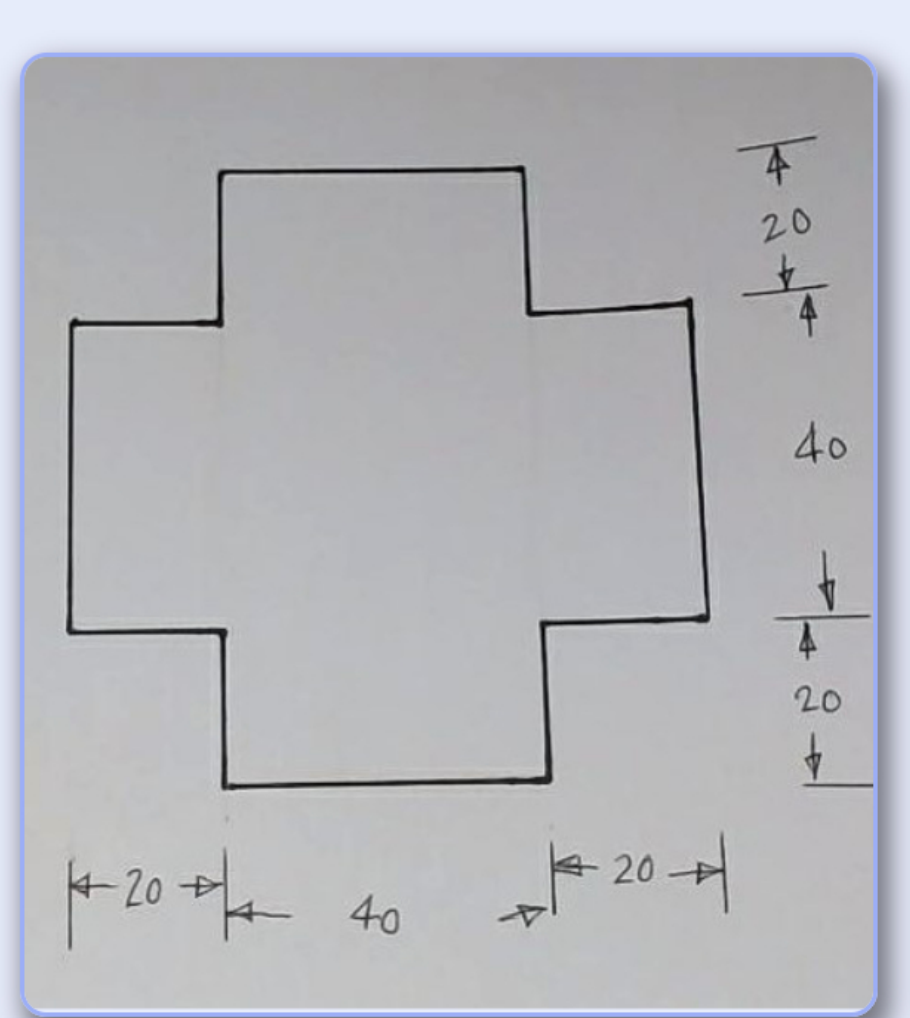


Photo 11 - Project Two Drawing



Photo 12 - Unfinished 2nd Streptoedron

My tip for placing a paper-jointed project on to the lathe between centres is - Find two pieces of scrap wood the same size as the block hot glue them on and find the centre. Alternatively, you can find the centre of the object also the scrap pieces drill a small hole in each piece and using the drill locate the centre and hot glue them together.



DISPLAY TABLE



COMPETITION TABLE

Books by David Springett
Woodturning Full Circle - Adventures in Woodturning : Woodturning Wizardry : Woodturning Wizardry Revised

Written by Don Smith Photos from the club Laptop thanks to Steve Hugo and myself