

HORNSBY DISTRICT WOODTURNERS INC.

Established 1983.

eNEWSLETTER APRIL 2021.

A warm welcome to members and to a couple of new attendees learning woodturning including Ian Imrie and Peter Trahana, again for a live meeting from the Shed gym.

Not a lot for housekeeping, thanks again to Colin, Bert and Elwyn for their recent honey dipper production, (and also to all members who have turned the dippers) such that we are very close now to our expected need for April/May. Offers of help/need for Saturday demonstrations was mentioned and if you cannot help please suggest a couple of subjects for future demos. As foreshadowed lathe layout and safety screens are listed for early attention together with possible shelf and peg-board improvements also. Mark has repaired one of the pen mandrels and it is now OK for use. Note that Brian has commenced a specialised training course for pen turning which has attracted a number of Shed members. Some Camphor Laurel logs were obtained, courtesy of advice from John Markham and end-sealed for drying; we also have the possibility of some Australian Red Cedar wood from a tree to be felled in May – details later.



Today's demonstrator was Greg Croker on the topic of *Inside-out Turning...an Introduction*. It has been some time since this topic was addressed and a You Tube showing the 'generation' of a Christmas tree using this method was an additional stimulation for its presentation.

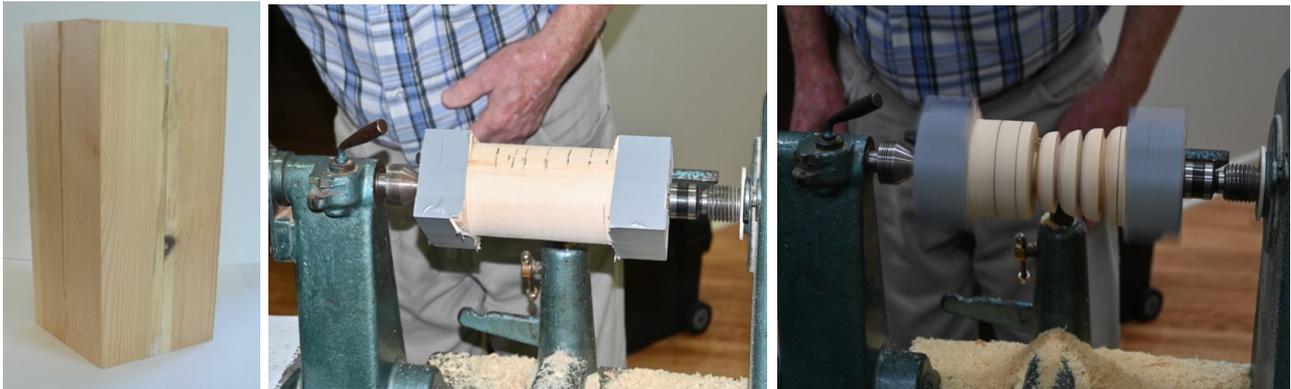
Briefly the process demonstrated is gluing four equal lengths of square timber temporarily together to form a larger square cross section, turning a design between centres, opening up the four square timbers and replacing these inside-out to form an hollow inside and the desired (negative) shape on the four external surfaces. Glue the wood permanently together. Further turning of the external square surfaces can be done to form a lighter and more complex turning.

Note that a square of wood can be turned as above and then carefully sawn into four equal square lengths (thus avoiding the initial gluing process), reversed inside-out and then glued to give an equivalent result.

Four lengths of square Baltic pine were jointed resulting in wood 37 mm square by 220 mm long which were marked and paired. Each pair was PVA glued at both ends (approximately 40 mm in length) using paper between the



woods (to give a bond which can be split later), clamped and left until set. These pairs are similarly glued again to form a 74 mm square and allowed to set.



For the demonstration a 74 mm square blank had been prepared and taped at each end as an additional safeguard. The length between between tapes was roughed to a cylinder between centres and marked out to give the branch, trunk and tub positions along the cylinder.

Turn into the cylinder using a skew chisel and a detailed gouge to follow the curved design shown in the photos, which are progressively deeper moving towards the base of the tree. Cut as cleanly as possible, particularly at the branch tips, making the branches as similar as possible in form even though these are different in size. Sanding to 250 grit was found to be sufficient, and finish as required now as this will not be easy/possible after reversal and gluing!



Remove the tape and using a flat chisel split the four lengths apart. Remove any surplus/loose paper, and reverse the four parts checking for fit etc and glue these together ensuring that the clamping retains the wood in the symmetrical/mirror positions for each face.

Once the glue is set turn a spigot between centres to suit a chuck at the base end of the tree and chuck the turning bringing up the tail stock as security. Clean up the areas around the cut outs if necessary to improve the

look. Should an electric candle light or a similar addition be required to fit in the top or the base it will be necessary to drill a hole to suit this prior to removal of any opposite end chuck spigot.

The outside of the turning will require some action, ie remove the corners and turning a finial at the top, before cutting away any surplus wood at the base, then sanding and orthodox finishing or using acrylic paints and/or glitter to complete.

At the time of writing the suitable multi coloured electrical LED could not be obtained so this is the final view of the inside-out exercise. Hopefully the finished view not be too far away.

You will note two photos of a trial turning earlier included for additional information.

For the meantime it is recommended for more information that members view a YouTube on inside-out turning at



<https://youtu.be/XEIrupgMf0> note also this USA turner uses Youbeaut EEE!

There was no Information Exchange to review.

To complete the day a number of Show & Tell items were shown but sadly details of only one remain, that of Rusty's well turned and finished 'figured lady' from last month's demonstration.

Our next Saturday meeting will be live on 8 May from 10 for coffee at the Shed.



For further interest or to join-in woodturning go to www.hornsbysheds.org.au