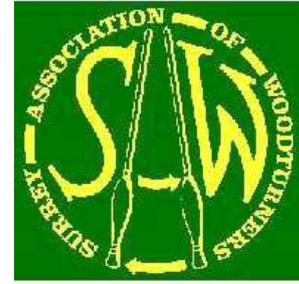


Surrey Association of Woodturners

Newsletter July 2011

Reports, News and Views from North West Surrey



New Members

Paid up Membership 163

Items for the Diary

- Friday 12th Aug. Practical Evening
Friday 9th Sept. Jason Breech
Sat/Sun 10/11 Sept Warco Show
Sat/Sun 24/25 Sept. Rural Life
Saturday 8th Oct. Princes Mead
Friday 14th Oct. Club turner
Sunday 30th Oct. SAW Open Day

JUNE Evening

It was an unusual evening as having moved our meeting night to accommodate a Darts match at the Centre, they double booked us so we had a cosy meeting in the small hall for free. Our demonstrator was Bill Riley, who for someone who had never demonstrated before he put on an excellent performance. He has been turning for seven years. He used to work for Cable Industries.

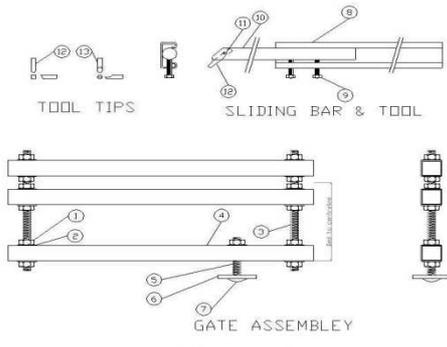
He was using his own lathe and mounted a piece of Alder that had been growing 4 weeks ago between centres. With a spindle roughing gouge he removed the bark and soft wood. He then used a

Bedan to form a spigot to fit his "C" jaws. This was reversed into the chuck and he started to create a hollow form in the conventional way using a 3/8th Henry Taylor spindle gouge. To drill the starting hole in the end he had a chuck from an old electric drill mounted on a wooden handle. This he drilled to the correct depth. Bill then used the gouge to start using a pull cut from the centre to the edge.



Bill then went on to demonstrate his laser guide hollowing apparatus. The cutting element was a 19mm round steel bar drilled at the end to accept a cutting tip from Axminster held in place by a grub screw. This fitted into a framework with another bar above, at the end of which was a laser. The laser came from Maplin and was powered by 5 volts generated by part of an old PC.

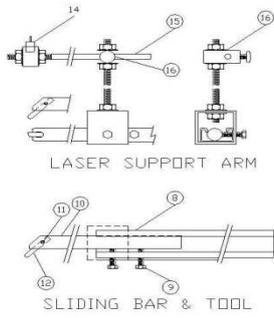
Bill has kindly agreed that I may publish the slides used in his demonstration. It is similar to that sold by Dave Reeks.



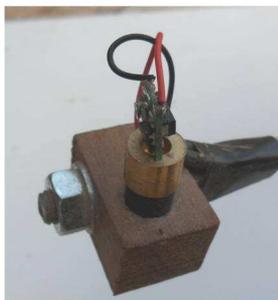
Rig Drawing



Rig in position on lathe



Laser Arm Drawing



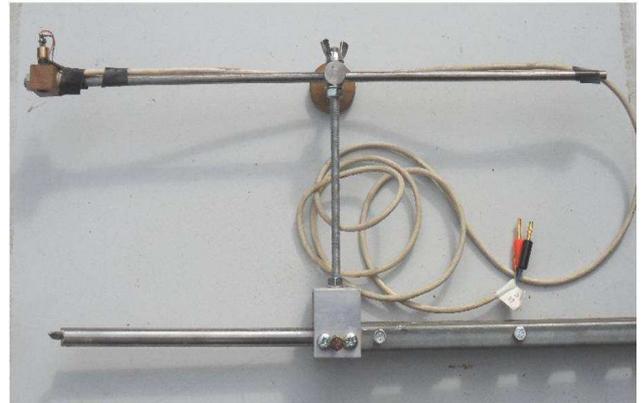
Laser head



Gate assembly

- | | |
|-------------------------------------|----------------------------------------|
| 1 Hex Nut 10mm | 9 Set Screw M6x40mm |
| 2 Washer 10mm | 10 Steel Bar, 19mm |
| 3 Studding 10mm | 11 Grub Screw, m4Hex x 4mm |
| 4 Box Section Steel Tubing 25mm sq. | 12 Tool Tip, NiCr tool steel, 6mmx6mm |
| 5 Coach Bolt 10mm | 13 Tool Tip, NiCr tool steel, 6mm diam |
| 6 Lathe Ways Locking Plate | 14 Laser |
| 7 Coach Bolt 10mm | 15 Steel Rod, 8mm |
| 8 Unistrut 21mmx41mm | 16 Laser Adjustment Bracket |

Key to Drawings



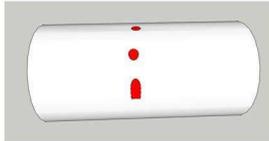
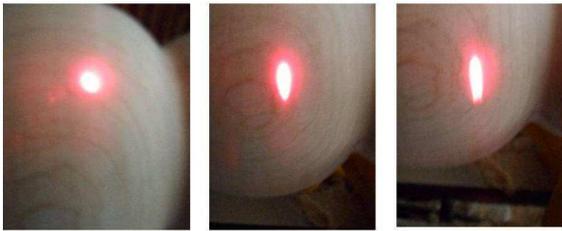
Tool, slide and laser support



Laser arm support pillar



Tool tip detail



Laser dot changing profile

Parts List

Qty	Description	Unit £	Part No	Supplier
1	Large Flat Washers BZP M10 (10)	£0.72	14327	Screwfix
1	Large Flat Washers BZP M8 (10)	£0.66	18383	Screwfix
1	Hex Nuts BZP M10 (100)	£3.59	19879	Screwfix
1	Hex Nuts BZP M8 (100)	£1.85	1NUT08	CMS
1	Steel Threaded Rods M10 x 300mm (5)	£4.58	22257	Screwfix
1	Set Screws BZP M6 x 50mm (100)	£4.66	19757	Screwfix
1	Laser Module 0.7-0.99 mW 5V	£12.99	LE07H	Maplins
1	Supply, 4.5V 400mA	£9.99	MG77J	Maplins
1	Steel Bar EN1A330mm (10, 15 & 19mm Diam)	£11.83	951678	Axminster
1	Tool Steel, NiCr 3/16" Square x 3"	£1.80	900366	Axminster
1	Tool Steel, NiCr 1/4" Square x 3"	£2.99	900362	Axminster
1	Channel Support (Unistrut) 41x21mmx3m Slotted	£14.38	CMS306	CMS
1	Steel Threaded Rod, M8 x 1000mm	£7.44	43386	Screwfix
1	Set Screws BZP m6 x 50mm (100)	£5.13	19757	Screwfix
1	Wing Nuts BZP M8 (10)	£1.85	18875	Screwfix
1	Grub Screw 4mmx4mm Hex 1.5mm Head (5)	£1.99		E-Bay

Suppliers

Axminster Power Tool Centre
 Cressex Business Park,
 High Wycombe
 HP12 3FF
<http://www.axminster.co.uk>

CMS (Cable Management Supplies) Ltd
 Unit 4 Hawley Lane Industrial Estate
 Hawley Lane
 Farnborough
 Hants
 GU14 8EH
<http://www.cableman.co.uk>

Maplin
 Unit 8
 Solartron Park
 Solartron Road
 Farnborough
 GU14 7QJ
<http://www.maplin.co.uk/>

Screwfix Farnborough
 42 Invincible RD
 Farnborough
 Hampshire
 GU14 7QU
<http://www.screwfix.com>

Lots of the parts he found in his garage as like quite a few of us he has squirrel outlook on redundant items. When assembling the rig the critical measurement is that the tip of the cutting tool should line up with the middle of a drive centre. When about to start hollowing the laser has to be offset to the side of the cutting tip the required thickness you want for the vessel. As you cut towards the side of the vessel the shape of the laser image will change from a spot to an oval and then an oval with a flat bottom. At this point the wall thickness should be that desired. Lots of shavings will be created for which Bill has a specially made long spoon. Once the inside was complete, a skew was used to shape the outside bottom of the piece and with a pull saw the vase was cut off. A sanding disk mounted on the lathe soon got rid of the spigot remains. An excellent informative evening.

A4 size copies of the slides can be obtained on application to the Editor.

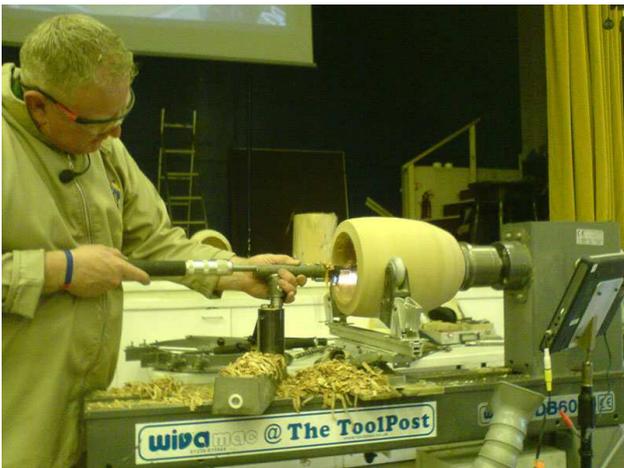
JULY Evening

Our demonstrator was Tony Handford. Tony had been interested in wood working since the age of 15. His lucky break was a benefactor for whom he had completed a project. He was treated to turning lessons and when the benefactor died had left a bequest which was used to purchase a lathe. He now lived in Faversham and rather than sell to Galleries, set up a workshop with training facilities and a gallery to sell his own work.



Tony used the club lathe and mounted a 12" X 9" dia. Spalted Beech log between centres. Using a large roughing gouge he started to shape the end. Then using a swept back bowl gouge he cleaned up the base and cut a spigot for the Axminster chuck.

The log was mounted in the chuck and with the tail stock in position Tony trued up the side of the vessel. Tony had made a steady from Aluminium in the shape of a large circle with 3 sets of wheels mounted on bars pointing into the centre. The wheels were taken from a skate board. They have ball bearings and a plastic tread. Unfortunately our lathe bed was too wide for this to fit. Tony had a smaller version which he was able to fit. This used two sets of wheels on arms which could be adjusted either side of the work. This was fitted and adjusted to support the work as it rotated.



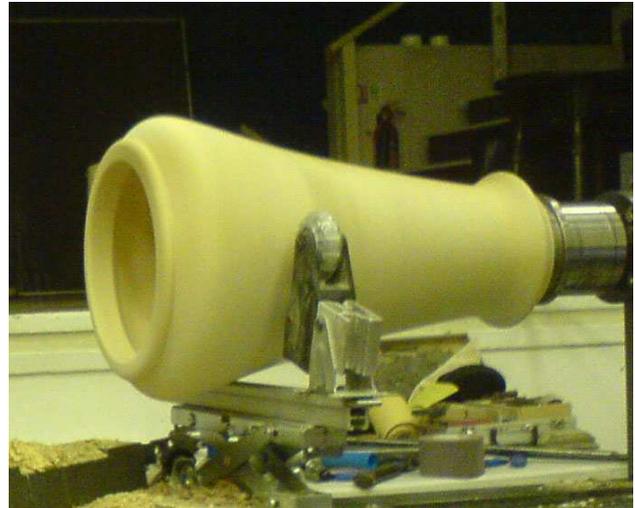
A 1" Forstner bit was used to start drilling into the centre of the vessel. This was changed to a longer bit on which the required depth had been marked. The hole was drilled stopping frequently the clear away the shavings.

For hollowing, Tony had created a special tool rest. This consisted of horizontal bar offset on the tool post, This bar was channelled to accept the hollowing tool. Under the longer end of this bar was fitted a pencil light to aim into the vessel.

Tony demonstrated three hollowing tools, a Rolly Munro, a Hamlet, and a Wood Cut. Tony showed us why he preferred the Wood Cut for the smooth finish. The item

was removed from the lathe and wrapped in plastic for Phil to complete.

After tea Tony fitted a half complete vessel of Cedar with chuck attached to the lathe. The outside had been turned and sanded. Using the special tool rest Tony used a long boring tool to undercut the lip of the vessel



He continued to shape the inside of the vessel. He then switched to a tear shaped scraper.

Tony had created a special tool for sanding. A spoon was bought from a pound shop. This was fitted to the end of a boring bar with a spring to make it flexible. Self adhesive Velcro bought from Axminster was fitted over the outside of the spoon. Sand paper such as Abranet was used to smooth the inside of the vessel. Tony works through the grades to 320 grit. before applying a coat of diluted Danish Oil. After 24 hours he would sand to 600 grit and apply two more coats of Danish Oil. This was a very informative and interesting evening.

Timber Donation for Alzheimer's Society.

At the July evening I brought along a lot of timber from Derek Dixon. He was a former member who has had to give up turning and move in with his daughter. As a result of your donations, I was able to send a cheque for £12.00 to the society, for which they are extremely grateful. Thank you all very much.

Learn to be a Judge

We have a wealth of very skilled wood turners with in the club but very few assist with judging our internal competitions. The Committee intend to hold a meeting in the Autumn for members to learn how items are examined and the various criteria assessed, marked and graded. This will give you some idea as to why you are not getting 10 or 9.5 for your work. At the moment we only have two or three Judges that we can call upon but would like 7 or 8 so we do not have the same judges all the time. Please give some thought to this.

A Day in the Woods.

It would be very helpful if everyone who has signed up could pay for this event by the end of next club night (August 12th). If you are not going to club night, please send Peter Stent (contact details on the last page) a cheque made payable to SAW, for £10.00.

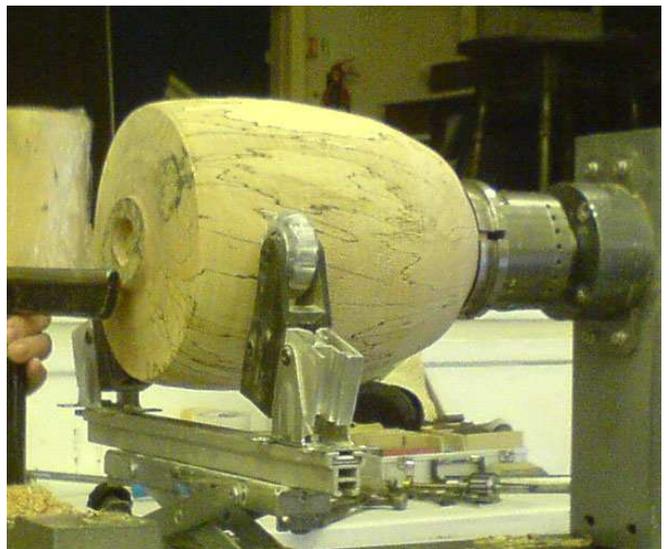
Jennie Starbuck will be contacting you with details of where to meet etc. before the end of August.

Competitions for Open Day 2011

The forms for the two competitions for Open day are attached to the newsletter. Please see the handbook for information about the level you should enter. Your current level is printed on every attendance register. Please ask one of the committee at club night if you are still not clear or email Jennie Starbuck or Paul Nesbitt. The judges for the competition are Mark Baker and Chris Eagles.

Members of SAW and Members of participating clubs may enter **one** piece for the Open Invitational competition. If

you are asked to represent the club by putting a piece of your work on the SAW Table-Top entry, it will be automatically entered in the Open Invitational Competition at no cost and you do not have to fill in a form. Only one entry is permitted per person so if you have a piece on the table top, that is it! Jennie



Another photo of Tony Handfords steady



Mick Hanbury's platter.



Wood Dust and Words – The Ramblings of a Chairman

Early on in the newsletter there is a review of Bill Riley's demo, if you weren't there you missed a great evening with Bill showing us the hollowing tool he has made. Thanks Bill, it was much appreciated. If you are interested in having a go as the club turner have a chat with me, or maybe you would like to get involved in one of the practical nights, if so have a chat with Colin.

Club Activities

The next club evening (August) is a practical night. One of the activities is going to be a workshop on photographing your work, this will run a few times during the evening and will be facilitated by Philippa Davies. Please remember to bring along your camera and get involved. If you do bring your camera remember to bring the instruction manual as it can help identify settings much quicker than the system I would normally use ☺

The 'Day in the Woods' events on 3rd & 4th of September are now full, and payment is due, can all concerned make sure that you have paid before the event; this can be done at Neil's table at the August club night. Please note that if your name is on the booking list and you do not attend we will still need you to pay for your place.

A date for your diary is the next Hands on Day on Sunday 20th November. These days are great training days and very good value for money.

The last one was cancelled due to lack of participants, so please get the date in your diary.

Loan Lathe

The club has a loan lathe available for any club member, if you would like to use this please contact me so we can arrange to get the lathe to you.

AGM

The Association of Woodturners of Great Britain (AWGB) has now started an Associate Members Scheme and the Committee have been discussing whether it will be beneficial for the club to join.

If we did join it would cost SAW £40 a year. This would give the club the following benefits; publicity of SAW on a Country Wide basis; being part of a national body that supports and promotes woodturning; development of woodturning initiatives for young people; promotion of SAW events; and copies of the 'Revolutions' quarterly newsletter.

Associate membership is a new initiative for AWGB and **does not** mean that all of the club would have to join AWGB as individual members, that only applies to clubs that have full membership status.

The Committee have decided to have a discussion on AWGB membership as an agenda item at the AGM in January 2012 asking members their opinion of joining this national organisation. You can gain more information on AWGB from their website www.woodturners.co.uk or talk to one of their representatives at the SAW Open Day in October.

SAW Facebook Group

Activity over the last month has included a copy of Bill's plans for his hollowing tool which were made available to members the day after the demonstration; a discussion on what not to do when you are wearing a face mask ☺ Adrian posted a photo of a platter that he has decorated using Jo Sonjas paints.

Regards
David Bracken
SAW Chairman