

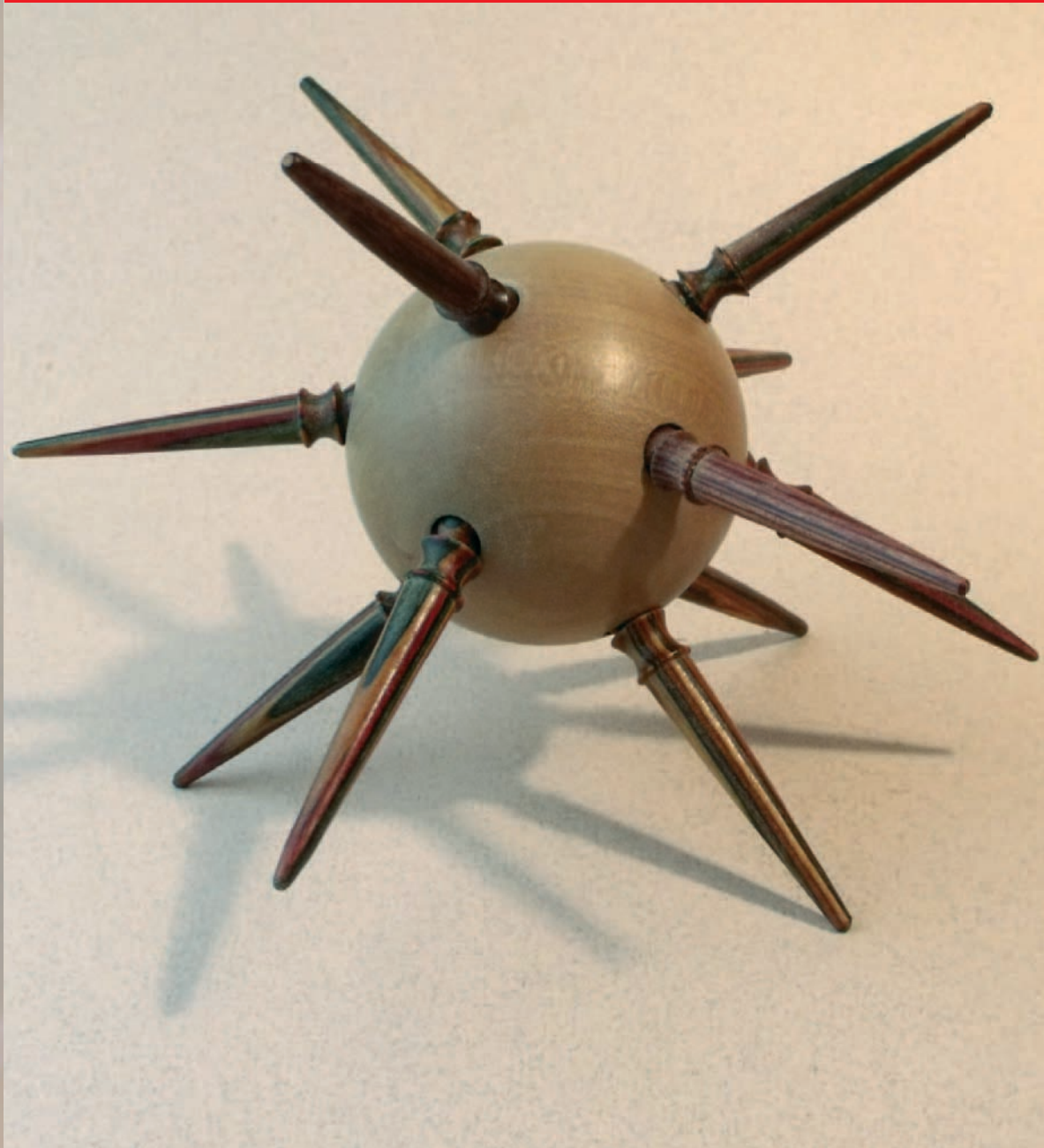
# Revolutions

THE NEWSLETTER OF THE ASSOCIATION OF WOODTURNERS OF GREAT BRITAIN

Issue No 132

March 2020

**Dont forget to renew your membership!**



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### DATA PROTECTION

Your personal details are held on computer for the use of the AWGB. We only use this information to run the organisation. If you would like to know what information we hold and how we use it, please contact the Secretary.

### Front Cover

David Springett  
Ball and Socket  
see page 8 for full instructions

### Revolutions

Copy deadline for the next  
edition of Revolutions  
4th May 2020

The AWGB is a Company Limited by Guarantee and a Registered Charity. It is administered by a group of elected Trustees who are also Directors of the Company. The Trustees meet at least twice each year and at the AGM. When they meet together they are known collectively as the "The Executive". Additionally, there are a number of people who assist the Trustees in their duties. These people are not elected and are known as "Volunteers".

## TRUSTEES OF THE EXECUTIVE

### President

Phil Irons  
Box Acre, Barton Rd,  
Welford on Avon CV37 8EY  
07774 212635  
philirons@awgb.co.uk

### Chairman

Paul Hannaby  
Windrush, High Street,  
Drybrook GL17 9ET  
01594 544417  
chairman@awgb.co.uk

### Vice Chairman

Derek Puplett  
Baldangan, Derby Lane, Shirley,  
Ashbourne DE6 3AT  
01335 360388  
vicechair@awgb.co.uk

### Treasurer

Jeff Belcher  
Oak House, Hanley Castle,  
Worcestershire WR8 0BJ  
07798 746296  
treasurer@awgb.co.uk

### Secretary

Peter Lyons  
07711 933053  
secretary@awgb.co.uk

### Membership Secretary

John Peachey  
37a Oxstalls Lane, Longlevens  
Gloucester GL2 9HP  
01452 525976  
membership@awgb.co.uk

## REGIONAL REPS

### Scotland

David Willcocks  
91a Easter Bankton  
Livingston EH54 9BE  
07738 169561  
scotrep@awgb.co.uk

### North

Brian Mouat  
17 Lon Dderwen, Abergele  
Conwy LL22 7DW  
01745 833970  
northrep@awgb.co.uk

### Midlands

Pat Murphy  
72 South View Road, Carlton,  
Nottingham NG4 3QL  
07918 613762  
midlandrep@awgb.co.uk

### South East

Colin Smith  
130 Broad Oak Way,  
Stevenage SG2 8RB  
01438 727495  
serep@awgb.co.uk

### South West

John Montgomery  
150 Cleeve Drive, Ivybridge,  
Devon PL21 9DD  
01752 894083  
swrep@awgb.co.uk

## Chairman's Notes

### Paul Hannaby

We have entered yet another new decade and undoubtedly that will herald yet more changes. We are continually looking at how we run the AWGB and what else we can do to meet our objectives and benefit our members. This month we are launching the Ray Key Bursary Award which is designed to provide a package of support to a talented turner (of any age). More on that elsewhere in this issue.

One avenue we are exploring is working with the Arts Council to expand the support we currently provide to members, clubs and their communities. Initial talks have resulted in a few ideas being explored, hopefully we can turn some of those into reality. The subjects touched upon so far include community workshops, hands on sessions at events, funding for transport to club meetings for those no longer able to drive themselves, recruitment campaigns to increase the number of female members, training videos, etc. We are always happy to receive suggestions from our members so if you have any ideas for us, please email them to [secretary@awgb.co.uk](mailto:secretary@awgb.co.uk) and we will add them to the list under discussion.

### Volunteers

We are still looking for assistant regional reps in Scotland, the South West and South East regions. Their role is to support the regional rep by helping out at shows and visiting clubs.

### New Secretary

I would like to welcome Maggie Irving as our new secretary and thank Peter Lyons for his support during his time as secretary. It's good to have a female trustee on the executive. We could do with a few more to redress the balance!

### Training

To make up for the shortage of workshops last year, the trustees have agreed to use the unspent funds on providing a few extra workshops this year. Look at the workshops on offer and make the most of them, they are free for all our members!

### Seminar 2020

Bookings are coming in and we are working on providing a great weekend for all who attend. Don't forget, the early bird rate ends at the end of March!

This year we are funding six Seminar scholarships. The Worshipful Company of Turners have agreed to fund two more Seminar scholarships for junior members and we also have another five scholarship places funded by an anonymous donor. Two of those will be for junior members and three will be for other minority groups. That's a total of 13 scholarships! The scholarship covers the full cost of attendance at the seminar including accommodation and meals. The application form is available elsewhere in this issue and also on our website. Applications must reach the secretary by the 31st of May so if you want to apply, don't delay!

## VOLUNTEERS

### Assistant Treasurer

Mike Mansfield  
27 Grenville Meadows  
Lostwithiel, PL22 0JSD  
01208 872012  
asst-treasurer@awgb.co.uk

### Youth Training

Ron Caddy  
Acorn Crafts, 23 Wisley Road  
Andover SP10 3UQ  
07903 313065  
youthtraining@awgb.co.uk

### Workshop & Training

Alan Buckle  
15 Churchill Drive, Martin Dales,  
Woodhall Spa, LN10 6XY  
07866 682247  
workshops@awgb.co.uk

### Newsletter Editor

Sheila Hughes  
49 Essex Street,  
Newbury RG14 6QR  
01635 45930  
editor@awgb.co.uk

### Health & Safety Officer

Martin Dickinson  
01890 840635  
hs@awgb.co.uk

### Trade & Business Liaison & Development Officer

Roger Phebey  
Meadow Lodge  
15C Charvil House Road  
Charvil RG10 9RD  
07843 370006  
trade@awgb.co.uk

### 2020 Seminar Bookings

Stephen Evans  
seminar@awgb.co.uk

## AGM

Continuing on the rotation round the country, our AGM this year is in Burnley in the North region. We would like to see as many members there as possible. If you are coming, please let the Secretary know so we can order enough food! As always, there will be a display table and the chairman's prize for the best piece so get turning!

## Southwest Representative Report

### John Montgomery

As I write my last report as southwest regional representative it is the first Sunday in February. It is a funny feeling leaving all my AWGB posts after becoming involved 12 years ago, when I first took on coordinating the Demonstrator Training courses. This was followed by coordinating Instructor Training courses which was later revised to Tutor Assessment, roles which I continued up till the end of December 2019. I also took on the role of Southwest Rep when John Boyne-Atkin stepped down I have carried out this roll for a number of years. I decided not to stand for re-election towards the end of last year, so will pass on to someone else, the mantle of southwest rep at the AGM towards the end of March this year. Bryan Milham, who has helped me at shows in my time as rep has put his name forward for the position after I asked if he would be interested in the post. I think Bryan will soon grow into the position and give you good service.

Since the last newsletter I have visited some of the clubs local to me to meet up with members at evening meetings. On Saturday 1st February I was invited to attend Axminster Woodturners who had a very good demonstrator in Sean Hellman making Fanbird's and other items. I was given a very warm welcome, as I am by most of the clubs I visit. I still have a couple of clubs who have asked me to visit, which I hope to fit in by the end of March.

There are a number of individual members of the AWGB that belong to non-affiliated clubs who I have met over the years besides those at affiliated clubs. I would like to thank them all for their support over the years and hope to still see them at Yandles Show, which I will still attend as a visitor, along with other shows and clubs in the area. Particular thanks to those who have sent me messages thanking me for my efforts since they heard I was stepping down from all my positions, it is much appreciated to know that members think you have done your best at the positions you held.

See you all around and happy turning.

## Note from the editor

Thanks for all your hard work John, Colin and Dave it's been a pleasure working with you.

## Seminar scholarship

We have a total of 13 Seminar Scholarships to award. Four of these are for junior members, three are for minority groups and the others will be considered on their merits. The scholarship includes attendance at the AWGB International Seminar including accommodation and meals from the 9th - 11th October 2020. Applications must reach the AWGB secretary by the 31st of May 2020. You can apply using this form or the form can be completed or downloaded from our website.



Colwin Way  
UK



Emmet Kane  
Ireland



Jacques Vesery  
USA



Mary Ashton  
UK



Richard Raffan  
Australia



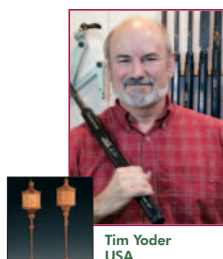
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## Application for Seminar Scholarship – 9<sup>th</sup> – 11<sup>th</sup> October 2020

(AWGB Members Only)

Name	
Address	
Telephone No	
Email address	
AWGB membership No	
Date of Birth (If under 22)	
Branch/Club (if applicable)	

**Data Protection:** The information you provide on this form will be used for dealing with your application. By signing this form you are giving consent for the AWGB to use your data as described in our privacy policy which can be found at [www.awgb.co.uk/privacy-policy](http://www.awgb.co.uk/privacy-policy). Your data will be used and stored in accordance with this policy.

Use the box below to tell us why you want a scholarship and how you think it be of benefit to you. You should also give an indication of your financial status (any information given in this regard will be kept confidential).

The closing date for applications is 31<sup>st</sup> May 2020. After this date the Trustees will review the applications and award a number of scholarships. The Trustees' decision is final.

--

Signed:

Date:

Parent/Guardian Signature if under 18:

Please return the application form to Maggie Irving at [secretary@awgb.co.uk](mailto:secretary@awgb.co.uk)

## Cumbrian Woodturning Association (CWA)

### Gordon McIver

Not too long ago the West Sussex Woodturners had an article published in this newsletter showing how they had produced work for sale for their local hospice to sell. Inspired by their lead we at the Cumbrian Woodturning Association (CWA) decided to do the same for our local, St John's hospice. Well they do say that imitation is the sincerest form of flattery.

The two large tables were full of our products and were duly sold in the hospice gift shop and at various events over the last few months. The hospice was able to raise approximately £500 (and rising) for their invaluable work. Thanks for the inspiration WSWT! It was a joy to be able to turn and to see the finished products going to a good cause.

Anyone visiting the Lake District is more than welcome to visit us at one of our meetings. We usually, but not always, meet on the 3rd Saturday of the month. Our programme, along with all contact details, is available to view on our website [www.turningcumbria.co.uk](http://www.turningcumbria.co.uk). Like most clubs we have a mixed programme of demonstrations by both professionals and our talented club members along with "hands on" sessions.

We are fortunate enough to be able to hire the Market Hall in the lovely village of Hawkshead, in the heart of the lakes, every May and October half term. There we are able to provide demonstrations and are able to sell our wares. As is the way with these events no fortunes are made but it is good to engage with the public and, now and again, we gain a new member or two and spread the word that the craft of woodturning is alive and well. Come and see us there if you can't make it to a meeting!



## Herefordshire Woodturners

**Chris Foweraker**  
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**A Full Day Demonstration of  
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# Cheshire Guild of Woodturners

## All Day Demonstration



# Gary Lowe

Sat. 18th April 2020

10am - 4pm

Plumley Village Hall Plumley WA16 0TR



Advance Ticket £12.50      On the Day £15.00

Full details on [www.cheshireguildofwoodturners.co.uk](http://www.cheshireguildofwoodturners.co.uk)  
or email the secretary via [cheshire.guild.of.woodturners@gmail.com](mailto:cheshire.guild.of.woodturners@gmail.com)



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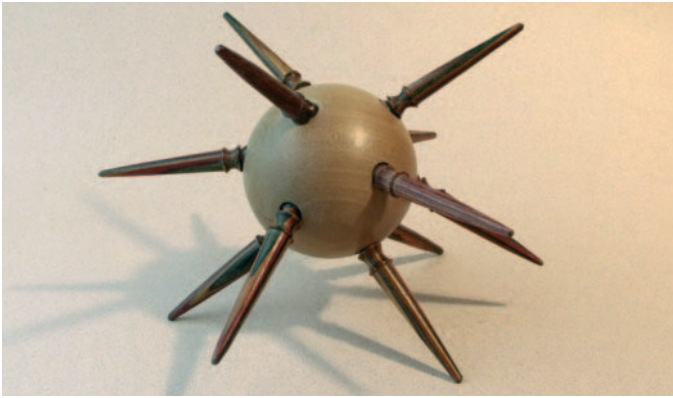
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# Ball & Socket

David Springett



Some years ago when looking through John Jacob Holtzapfell's book 'Hand or Simple Turning' I came upon his description of a 'Singapore' ball where small teardrop shaped pieces were inserted into holes, which had been undercut, trapping them but allowing them to move. The ball was like a friendly Medieval mace head whose spikes, rather than wishing to do harm, fall back into their hollows when touched.

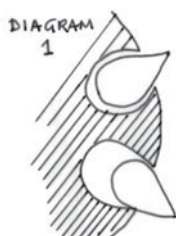


A 'Singapore' ball.

Holtzapfell first thought that these points were turned and undercut in place but on investigation he prised one out to discover that they were turned separately. The teardrop shaped piece was marginally bigger in diameter than the hole into which it was forced never able to escape.



Squeezing the teardrop shaped pieces into the holes.



The teardrop pieces held in their undercut holes.



One finished and one part finished 'Harlequin' ball.

Having turned numerous 'Singapore' balls I realised that I could extend the technique and made a variation which I called a 'Harlequin' ball. Here I substituted long spikes, with a ball ends, for the small tear drops. The ball ends were, again, slightly larger in diameter than the hollow into which they were forced and the holes undercut to allow movement. Obviously a ball and socket joint.

Here I will explain the ball and socket technique used in the 'Harlequin' ball by fitting 6 spikes into a small cube rather than 32 spikes into a larger sphere.

## Required materials.

A [4inch] 100mm diameter piece of softwood which is [1 5/6in.] 34mm thick. [Same thickness as the cube of wood.]

A cube of wood accurately cut to [1 5/16 in.] 34mm length of side.

6 pieces of hardwood [4 3/4in.] 120mm long by [1/2in.] 12mm square for the 'spikes'

A [3in] 75mm long, [1/4in/] 6mm bolt with screw slot in the head and nut.

HSS Steel, [1/4in] 6mm by [1/8in] 3mm from which to grind the specially shaped tool. [Diagram 3.]

A [1/4in] 6mm & [3/8in.] 10mm twist bit plus an engineers' centre drill [optional].

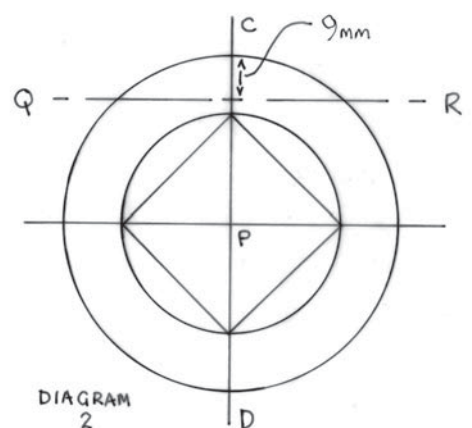
An old bike inner tube, a piece of candle wax & a small piece of veneer.

A shelf tool rest [optional].

## Making the 'chuck' to hold the cube.

Take the [4inch] 100mm diameter by [1 5/16in.] 34mm piece of softwood and fit it centrally onto a faceplate. Turn to an accurate [3 1/8in.] 80mm diameter.

Marking out. Refer to diagram 2.



Setting out the square centrally on the 'chuck' face.

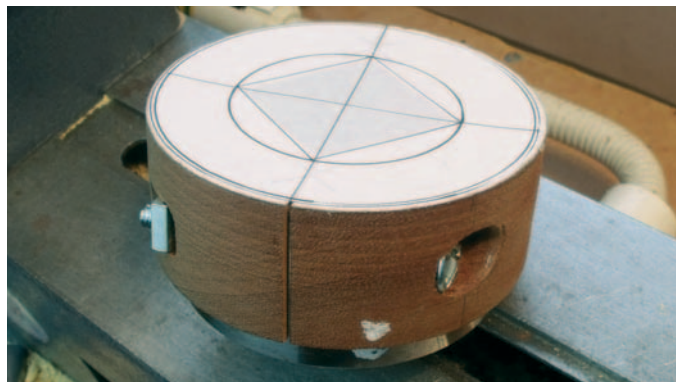
Mark the centre point [P] and draw a line through that point check on the underside of the chuck first to make sure that this line avoids the screws. This will be line CD. Draw a second line through the centre point [P] at 90 degrees to the first line.

Measure the diagonal on one face of *your* cube. It should be around [7/8in.] 22mm halve that size [{7/16in.} 11mm] and set a pencil compass to that radius. Place the compass point on the centre point P and draw a circle. Join the 4 positions where the circle touches the two original lines. This will mark out a square. Test the face of your cube on that square and make adjustments if necessary.

### Marking and drilling the bolt hole.

Shortly the marked square will be cut out using a bandsaw to create a cubic hollow in the 'chuck'. This hollow would initially hold the cube but once the lathe is switched on it would quickly loosen and fly out. To prevent this a nut and bolt will be used to squeeze the opening around the wood cube.

Measure down one line [I've chosen line CD on the drawing] [3/8in.] 10mm And draw a line through this point at 90 degrees to CD. Continue this line down the edge of the 'chuck' blank. Mark halfway down the 'chuck' edge to locate the start point for the drill. Using a [1/4in.] 6mm bit, drill through following the direction of the marked pencil line marked on diagram 2 as QR. Test the hole by pushing the [1/4in.] 6mm bolt through. Remove the bolt and counter-bore either end to accommodate the nut and bolt head. Refit the bolt tighten the nut into the counter bored hole & cut off the excess thread flush with the edge of the chuck. Temporarily remove the nut and bolt.



The 'chuck' with nut and bolt in place. Note the datum marks on 'chuck' & faceplate.

### Cutting out the marked centre square.

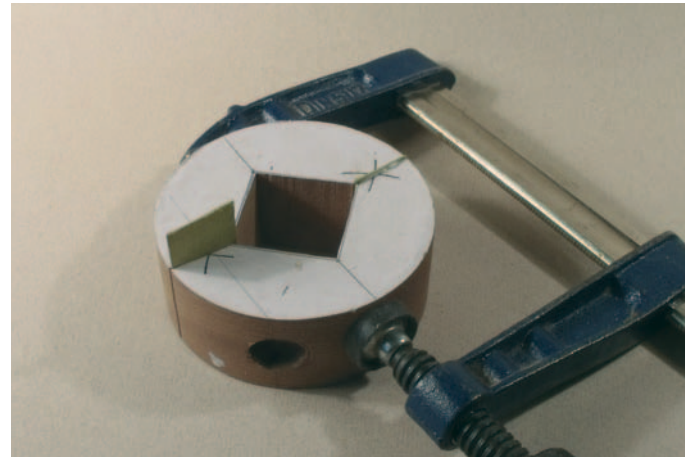
Mark a datum on the metal faceplate and a corresponding datum on the wood blank. Unscrew the wood blank from the faceplate and take it to the bandsaw. Saw down line CD then cut the two triangular shapes from either half.



Cutting the 2 triangular shapes to leave a square opening.

### Reassembling the 'chuck'.

Two pieces of veneer are used to fill the saw kerf created by the bandsaw. One piece of veneer is used **DRY** to temporarily fill the saw line which has the bolt hole running through. The other veneer piece is **glued** in place to fill the other kerf cut. Clamp whilst the glue dries making sure all is perfectly aligned.

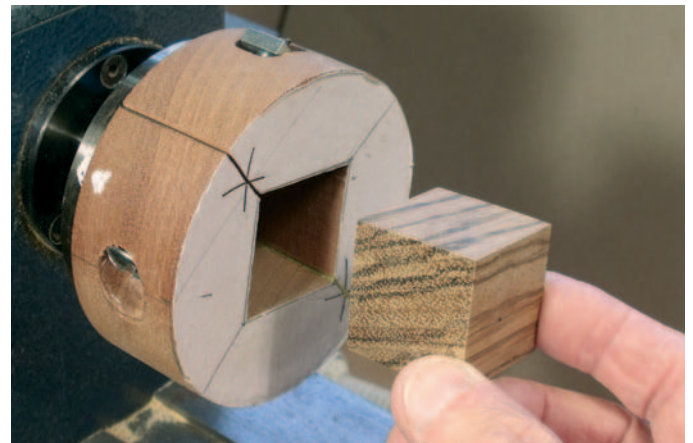


Accurately clamp the 2 halves of the 'chuck'. Only use glue on the non bolt hole side.

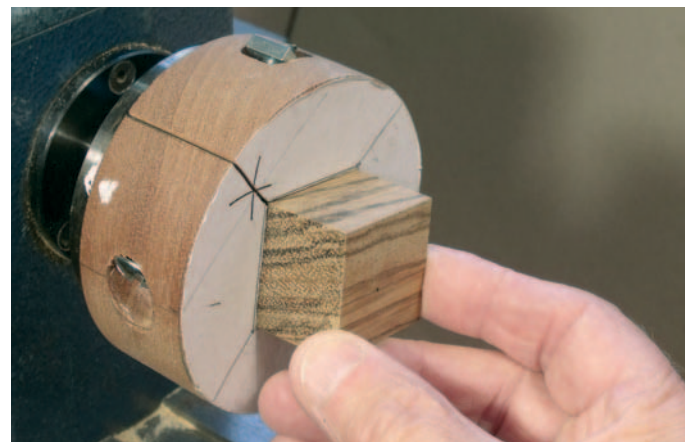
When the glue has dried remove the 'temporary' veneer infill from the bolt hole side and screw the 'chuck' onto the faceplate aligning the datum marks. Fit the bolt and nut.

Before testing the cube for fit make sure that there is a hole through the back for the chuck so that a dowel can be used to eject the cube.

Press the cube into the 'chuck' and tighten the slot headed bolt to lock the cube in place.



Push the cube into the 'cubic' hole in the chuck.

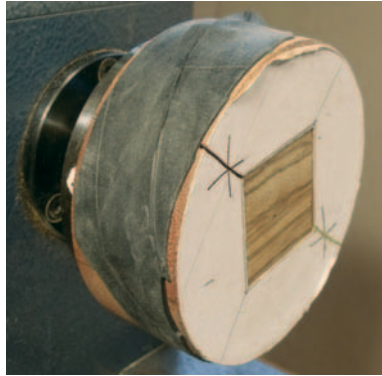


Press the cube firmly home.



Tighten the bolt to lock the cube firmly in place.

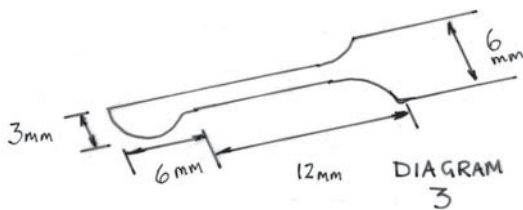
Take an old bike tyre inner tube and cut an inch wide strip, on a long diagonal, to provide a rubber band protector which can be stretched over the outer edge of the chuck to protect the turner from any rough bolt ends.



### The shaped undercutting tool.

The inner tube covers any projecting bolt ends.

Take [1/4in.] 6mm by [1/8in.] 3mm HSS bar and grind to the shape shown in Diagram 3. On the curved edge grind a relief angle of about 30 degrees to provide a cutting edge.



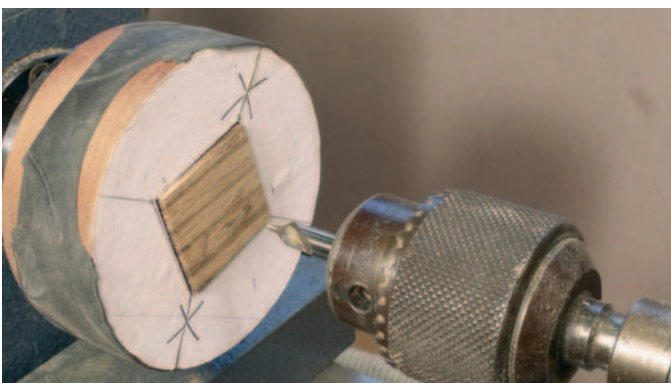
The shaped of the undercutting tool.



The specially ground undercutting tool.

### Drilling and undercutting the holes in each cube face.

For accuracy fit an Engineers' centre drill in the drill chuck and drill a pilot hole into the face of the cube. Remove the centre drill and replace with a [3/8in.] 10mm twist bit. Mark a position [3/8in.] 10mm from the drill tip and drill into the



To ensure that the hole is drilled on centre first use an Engineer's centre bit.

face of the cube to that depth. Withdraw the drill.



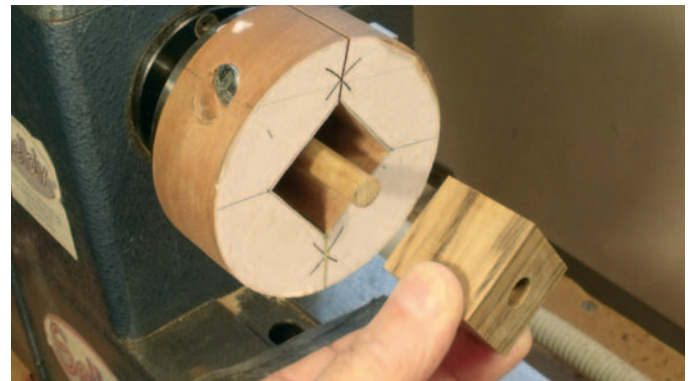
Drill the first hole.

Set the shaped undercutting tool on the tool rest so that it cut at centre height. I like to use a 'shelf' tool rest which will firmly support the tool. Use the tool to turn a hollow inside the drilled hole but DO NOT increase the diameter of the lip of the hole. When satisfied sand and polish the first face.



The specially ground tool undercutting the drilled hole.

Remove the inner tube protector, loosen the bolt and push out the cube using a dowel.



Use a dowel to push out the cube.

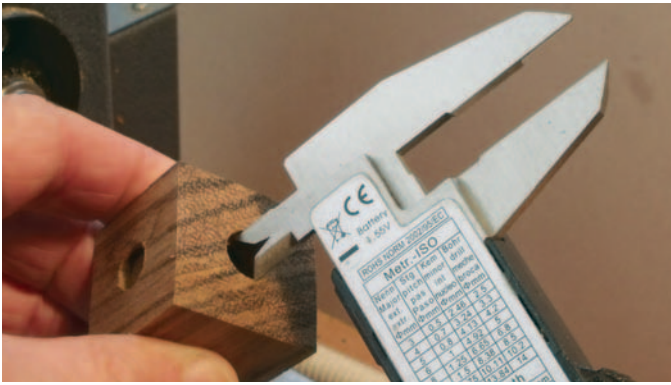
Working in the same manner drill and undercut the holes in the remaining 5 faces.

### Turning and fitting the spikes.

*Selective assembly is a method of working used before mass production. Each part is made to fit its corresponding part and possibly no other, that is what you will do here, so think positively, be trusting and it will work.*

There are sure to be marginal differences in each drilled and undercut hole.

Begin by measuring the first hole. It should be [3/8in.] 10mm To this [or your own measurement] add [1/32in.] 1mm Set the callipers to [13/32in.] 11mm [or your own measurement.]



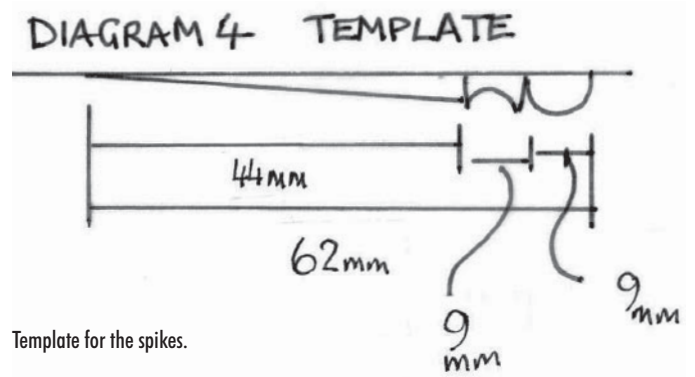
Measure the hole and add  $[1/32\text{in}]$  1mm

Turn a  $[4\ 3/4\text{in.}]$  120mm long by  $[1/2\text{in.}]$  12mm square piece of hardwood held between chuck and centre to  $[1/2\text{in.}]$  12mm diameter, then refine the diameter at the tailstock to  $[13/32\text{in.}]$  11mm [or your own measurement].

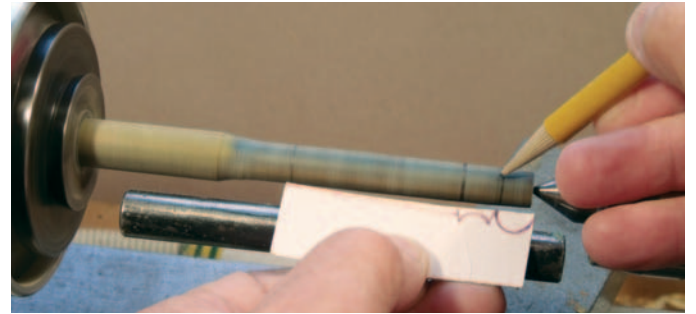


Turn the hardwood accurately to match the calliper setting.

Using the template mark out the spike with the ball shape at the tailstock end. When turning the ball end make sure that



Template for the spikes.



Mark out using the template as a guide.

the top dead centre of the ball remains full size. Turn the collar and spike, then sand and polish. Rub candle wax onto the ball end as a lubricant. Finally part off at the point.



Turn the ball end.




Sand, polish and part off.

Test the ball joint in the measured hole. It should not fit easily but should be a tight just 'popping' into the undercut hollow with a satisfying 'snap'. The ball compresses slightly, the hole expands slightly creating the ball and socket joint with the ball trapped in the socket yet being able to move freely.


Each of the five remaining holes in the cube are measured and ball end spikes are individually turned to fit.

Do not be dismayed if the ball ends are either too tight or loose. First try each of the other holes. If it still does not fit any of the remaining holes set it aside for another time. If it is too tight turn another fractionally smaller, and if too loose,




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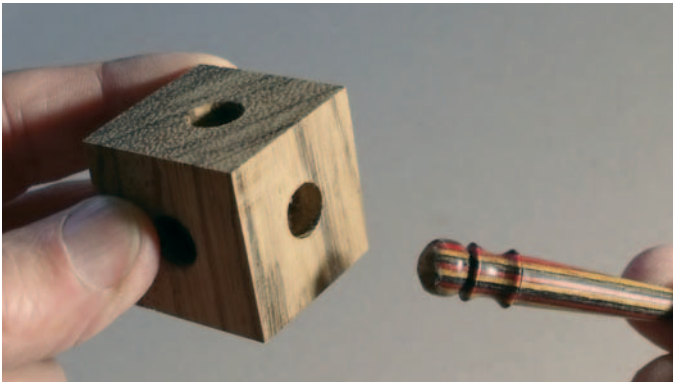


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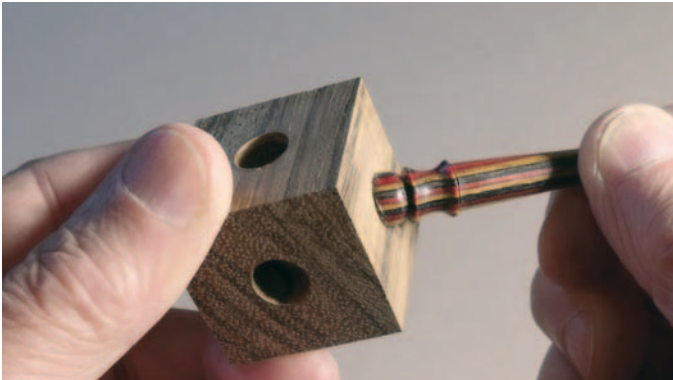


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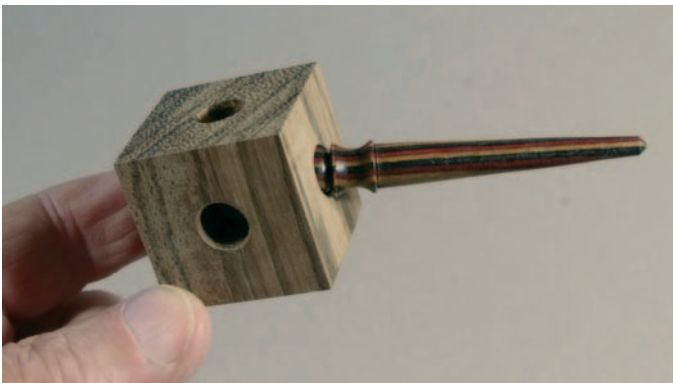
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Test the ball end in the undercut hole.

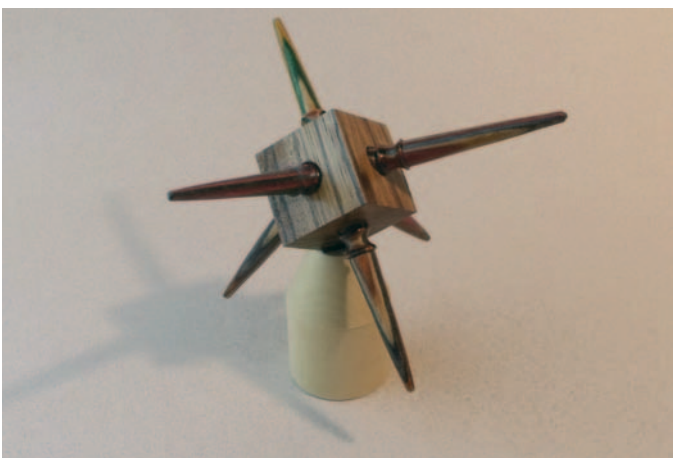


Press firmly and...



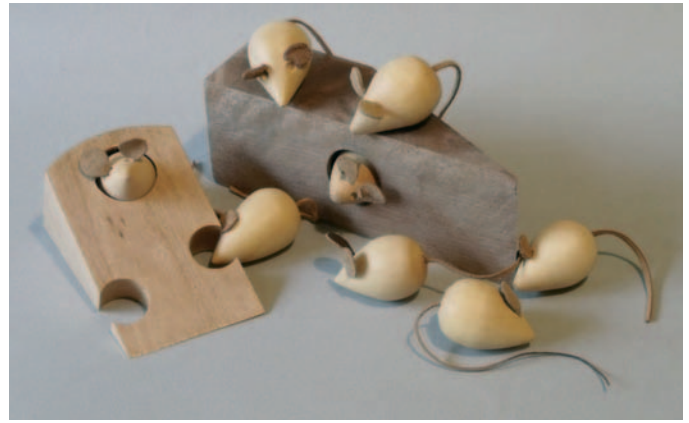
..with a satisfying snap the ball end clicks into place

turn it fractionally larger. This is selective assembly, trial and error. Accuracy soon develops.



Cube with articulated spikes.

I've used this same technique to create 'Mouse in Cheese' where a teardrop shaped mouse is set into an undercut hole in a wedge of wooden cheese.



Mouse in a cheese.

I've trapped a golf ball inside a branch yet it is still free to move. Explain that to your golfing friends.



Golf ball in a branch.

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Articulated snake.

The Snake is articulated with ball and socket joints throughout. Similarly the necklace shown has ball and socket connections but the time invested in producing this necklace is too much for the finished piece of work. If the beads were simply strung on a cord it would be more cost effective, but it was worth the experiment anyway.

Consider this technique as a starting point for, with imagination, marbles, ball bearings and other objects that can be inset into any turned work.

Book referred to:- *Hand or Simple Turning* by John Jacob Holtzapffel. First published 1881. [I have a Dover Publications reprint].



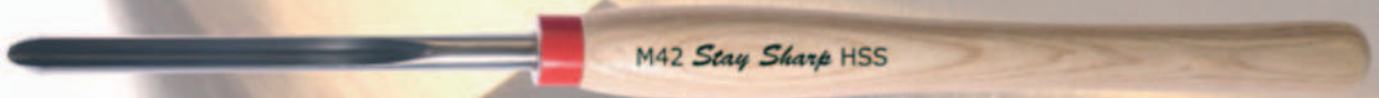
Necklace with ball and socket joints.

## Notice

If anyone who has passed the AWGB tutor assessment wants an extra "Approved Tutor" badge for a spare smock, we can supply them at £3.50 each plus £1 postage (same cost as the AWGB cloth badge). These will only be supplied to current members who have passed the assessment. Contact John Montgomery to order extra tutor badges. The green AWGB cloth badges can be purchased from our website.

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## Second donation

### Simon Crutchley

On the 27th November the Broadland Woodturners based at the Priory Centre Great Yarmouth, gave a presentation to the Louise Hamilton Centre, GY a Palative Care Service, Advice and Support Centre for Families and Carers when they need it most, of 21 Wig stands in various heights, different woods, a variety of shapes and colours and 17 bud vases, again using individualistic styles and shapes, some even had wooden flowers included and others were inlaid with intricate Celtic knots and a candle duo depicting the Light Angel and the Miner (A German tale of Olde).



These wig stands shown, ranged from recycling old table legs (Simon Crutchley) to using the wood from trees out of their own gardens (Roy Mercer) and adding colours and unusual tall figurines using off centre turning (Bill Stolworthy and John Fryers), all made by our group for the wonderful Staff to raffle or receive minimum donations from patients and visitors for each individual piece. Raising valuable funds for the amazing work that is carried out in this Centre. Peter Smith (member of BWC) made the wooden flowers, and the two figures and a few of the vases. Unfortunately several of the woodturners involved in the production of the donation were unable to attend the presentation due to family commitments and health issues, but their generosity of giving, made so many of the Staff and patients happy to see such craftsmanship that they will be thanked individually. This project was all initiated by John Fryers the new Broadland Chairman, and this was our second year donation and this was alot bigger than the previous year. Thank you John Fryers for your determination in getting us all motivated and for us to see the fruits of all our hard labour on that table was just amazing.



From left to right Simon Crutchley (Secretary BWC) John Fryers (Chairman BWC) Sue Francis Carer Lead at LHC and Maxine Taylor member of Staff at LHC and Peter Smith (member of BWC).

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# AWGB International Woodturning Seminar

**9<sup>th</sup> to 11<sup>th</sup> October 2020**

**Yarnfield Park Training and Conference Centre**

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9-11 OCTOBER  
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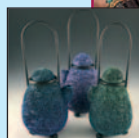
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UK



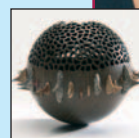
Emmet Kane  
Ireland



Jacques Vesery  
USA



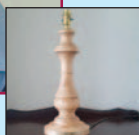
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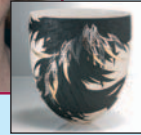
Mary Ashton  
UK



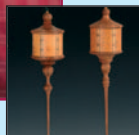
Richard Raffan  
Australia



Sally Burnett  
UK



Tim Yoder  
USA



Lots of demonstrations in individual rooms with full audio/visual equipment so you don't miss a "cut".

We will have more one-slot presenters in addition to the ten headliners.

Lots more masterclasses.

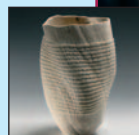
Refreshment breaks and lunch provided each day. Throughout the event we have trade stands to visit, a raffle and of course the instant gallery where we encourage everyone to bring up to 3 pieces of their best work to display.

Tickets are on sale with an **early bird discount**.  
Details on the website [awgbwoodturningseminar.co.uk](http://awgbwoodturningseminar.co.uk)

*Keep an eye on the website and facebook for up to date information.*



Yan Marot  
France





## AWGB International Seminar 9<sup>th</sup> to 11<sup>th</sup> October 2020

## Booking Form

The accommodation comprises en-suite double rooms, including 59 twin rooms, and there are a number of accessible rooms. We are pleased to offer a range of attendance options. Please select the quantity required. If you have any particular needs or requests please note them below. (All costs include VAT)

**Early Bird Discount applies if you pay 50% before 31 March 2018.**

Package	Description	Cost	Early Bird Cost	Quantity	Total Cost
A	Full Weekend incl Accommodation and Meals	£445.00	£405.00		
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AD	Full Weekend incl Accommodation and Meals with Double room for <b>Two People</b>	£830.00	£780.00		
B	Full Weekend incl Lunches, No Accommodation or Evening Meals	£325.00	£305.00		
C	Friday incl Lunch, No Evening Meal	£95.00	£90.00		
D	Saturday incl Lunch, No Evening Meal	£140.00	£130.00		
E	Sunday incl Lunch	£115.00	£105.00		
F	Saturday incl Lunch & Evening Meal	£160.00	£150.00		
Total Cost					

Name (as you would like it on your badge)	
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Please advise any particular requirements (diet, access etc)	

**Data Protection:** The information you provide on this form will be used solely for dealing with you as a member of the AWGB; to inform you of AWGB news and to administer your attendance at AWGB events. By signing this form you are giving consent for the AWGB to use your data as described in our privacy policy which can be found at [www.awgb.co.uk/privacy-policy](http://www.awgb.co.uk/privacy-policy). Your data will be used and stored in accordance with this policy.

### Payment:

**Early Bird:** 50% deposit on booking before 31 March 2020, remainder due 4 weeks prior to the seminar

**Non-Early Bird:** 50% deposit on booking after 31 March 2020, remainder due 4 weeks prior to the seminar.

**NB** If you are unable to attend your deposit may be refunded at the discretion of the AWGB.

I have paid by cheque/bank transfer/international bank transfer (delete as appropriate). We are unable to take card payments by telephone. Card payments can be made on the website or by sending a payment through PayPal to [awgbtrading@awgb.co.uk](mailto:awgbtrading@awgb.co.uk)

Signed:

Date:

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An interchangeable scraper (ref H5187B) also available

## Bib/Burn/Turn part 2

### Robert Postlethwaite

I hope some members have had ago at making light pulls, a project that allows you to turn any shape and as you have friction drive if you have a dig in or press too hard the work stops.

Remember safety, and keep the tools sharp, you get a better finish, and it makes the cutting easier. With spindle turning you can use a range of tools for these projects, e.g. roughing out can be done with a spindle roughing gouge, bowl gouge or even skew chisel. Whereas bowls require a stronger tool so only a bowl gouge or an expensive hollowing tool will do.

This time another set of items for the beginner using once again waste or free wood that would normally go in the bin or on the fire.

Mushrooms/toadstool, an interchangeable term in woodturning, they can be made in a wide variety of shapes and sizes.

To start we are using softwood, odd bits from building work [often found in skips or ask your local builder, there seem to be two types of softwood, close grained which is the best, used for final joinery work, and soft open grained which is often used for joists etc, but all types will do.



Pine Bitts

Cut the wood into square section cutting out the big knots if possible as they tend to be hard and break out when turning. Prepare several blanks and make several mushrooms in a stick in one go, remember



Woodpile

practice will make your woodturning better and quicker. The tools need to be very sharp to cut softwood cleanly, I often use an oil stone to hone the skew when working softwood.

The wood is mounted between centres or in a chuck, whatever you have and using a spindle roughing gouge/skew turn to a cylinder, using a pencil to mark out the top and stalk, cut in with a parting tool as shown and then shape your toadstool using your favourite tool [skew, spindle gouge].



Using the parting tool on the pencil lines

As it is round it can be sanded safely, remember to remove tool rest and use dust extraction only going to 120 grit as it will be painted.

Turning between centres leave a pip and you will have waste at the headstock end, this is safely cut off when the wood is off the lathe, hand sand smooth or use a sanding disc in the lathe or use a belt sander. Now paint using emulsion [tester pots give lots of colours] or artists acrylic paint.



Mounting small log to make natural edge mushroom

Natural edge work requires more care and skill due to loose bark, odd shapes and possible splits and sharp edges. Cut the sticks/prunings into length one at a time as the wood is rarely straight and mount and turn in a similar manner to the soft wood toadstool, they will be odd shaped so take care, but this time have a go at under cutting the toadstool top to represent the gills using the skew.



Mounting small log to make natural edge mushroom

This time sanding is either done with the lathe turned off or with great care with the lathe running, sanding is best done with a cloth based abrasive, it lasts longer and does not rip to bits. Then cut off waste and sand as required. The finish I use on these natural edge toadstools, is oil [Danish Oil] just



Turning small mushroom in a chuck



Small mushrooms mounted on a burr

dipping them into a jar of oil then draining and wiping the excess off. The ones shown were in very wet wood so I let them dry for a week or so before oiling, but turning wet [newly cut] wood is fun and easy, its soft and you get long ribbons of shavings.

Toadstools can be made in any shape or size from tiny ones [turned with a parting tool] embedded into an odd bit of burr or big ones to go in the garden. The big one needed a special drive, this is made from a small face plate with a couple of 6mm bolts and the wood has 6mm holes drilled in its end, this makes mounting easier and gives a very positive drive, a normal drive tends to either slip or drills a hole and the wood can fly off the lathe and it's a big lump [I found this method in a book by Richard Raffin].

Happy turning and enjoy, remember practice will improve your work so make lots, the wood is free.



Large drive



Very large mushroom mounted using large drive



## CHESTNUT P R O D U C T S FINISHING SCHOOL

### *Decorated Hollow Form*

WITH GARY LOWE



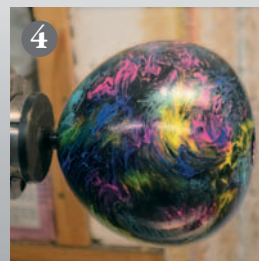
**1** Turn your form and seal it with Acrylic Sanding Sealer. Lightly sand back once dry and apply Ebonising Lacquer, taking care to ensure that the entire surface is completely black.



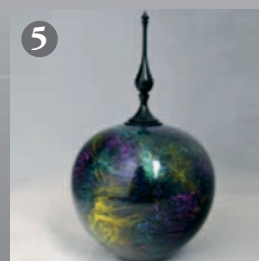
**2** Randomly apply your chosen colours of Iridescent Paints using your preferred method; a paintbrush is ideal and makes sure that sufficient paint is available for the next process.



**3** Whilst the paint is still wet, cover the whole piece with clingfilm, then move the clingfilm about, smudging the paint to achieve the desired effect.



**4** Carefully remove the clingfilm and allow the paint to dry thoroughly before applying the final finish. Using Acrylic Gloss Lacquer will make the colours come to life.



**5** Apply up to three coats of lacquer, allowing each on to dry and cutting it back with a fine abrasive before applying the next one. Finally, polish using Burnishing Cream if required to bring up a full gloss, and add a finial to complete the piece.

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## PowerPoint Quiz

### Amateur Wood Turner John Hooper

(Second part of the quiz)

Acknowledgements for Images used.  
Craft Supplies/Turners Retreat  
Ashley Iles (Edge Tools) Ltd  
Axminster Tools and Machinery  
Charnwood

This is second half of Johns Quiz - for the answers see page 31 - no cheating mind.

## Lathes and Tools



10. This image shows an optional part for a Record Power Herald Lathe. What is this part called?

## Lathes and Tools



6. Which type of lathe chuck is used for off-set turning?  
a) Wiggle  
b) Waggle  
c) Wobble

## Materials



5. Identify the type of wood veneer shown in this image. Is it:  
a) Tulipwood  
b) Lacewood  
c) Rosewood

## Lathes and Tools



7. Identify the lathe component shown in this image.

## Materials

6. Which of these woods may cause respiratory ailments?  
(i) Maple, (ii) Teak, (iii) Cedar (western red).  
a) (i) and (ii)  
b) (ii) and (iii)  
c) (i), (ii) and (iii)

## Lathes and Tools

8. A Chuck Indexer is used to enable flutes to be cut into a Pedestal Spindle.  
If the angle between the flute centres is  $15^\circ$ , how many flutes will the spindle have?

## Materials



7. Identify the two materials that this traditional Comb-back Windsor Rocking Chair is made from.

## Lathes and Tools



9. Identify the type of jaws fitted to the chuck shown in this image.

## Materials

8. Which timber is more suitable for steam bending? Air or Kiln dried.  
9. What are the Concentric layers of wood tissue in tree trunks called?  
10. Which country does Bubinga originate from?

## Abrasives and Finishes

6. In which century was Shellac first introduced into Europe from Asia?

- a) 16th
- b) 18th
- c) 20th

## General Questions



6. Which type of Pyrography Pen Point is shown in this image?

- a) Standard Loop
- b) Spoon
- c) Coil

## Abrasives and Finishes

7. This Polish can be used to give a jet black mirror finish without the figuring of the wood showing through.

Which type of Polish is it?

## General Questions



7. Identify the tool shown in this image.

## Abrasives and Finishes

8. French Polishing is the name given to the process of coating wood with a solution of Shellac dissolved in a liquid. Which type of liquid is used?

## General Questions

8. "Reg Sherwin's" 9mm and 12mm deep-fluted Roughing Out Gouges have a standard grinding angle of 45 degrees.

What angle can they be ground to for use on softer woods?

## Abrasives and Finishes



9. Identify the Robert Sorby tool shown in this image.

## General Questions



9. This Ashley Iles hand tool, used for Green Woodworking, is called a Twybil. What else is it sometimes called?

## Abrasives and Finishes

10. This Chestnut wax forms a very dense coating making it very hard wearing and highly water repellent. It also has a higher melting point than traditional waxes.

Which type of wax is it?

## General Questions



10. The motor on this lathe has a TEFV type of enclosure.

FV specifies Fan Ventilated.

What does TE specify?

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Contact Alan Quine  
[alanq@quine401.plus.com](mailto:alanq@quine401.plus.com)



*Photos of the actual machine in situ*

## **Stiles & Bates** **The Woodturning People**

**Shop**

**Free Mail Order Catalogue**

**Website**

Upper Farm, Church Hill, Sutton, Dover, Kent. CT15 5DF

Tel: 01304 366 360

[www.stilesandbates.co.uk](http://www.stilesandbates.co.uk)  
[sales@stilesandbates.co.uk](mailto:sales@stilesandbates.co.uk)





## **Member Training Workshops**

### **Dave Willcocks**

Broxburn, West Lothian.

**21st March 2020**

Intermediate (1-2 years' experience)  
Hollow Forms (4-6 inch)

### **Roger Gubbin**

Penlaurel, Launceston

**11th April 2020**

Basic  
Log to Bowl

### **Andrew Hall**

County Durham

**9th May 2019**

Intermediate  
Small Helmet

### **Les Thorne**

Old Alresford, Hampshire

**16th May 2020**

Advanced  
Box Making

### **Dave Willcocks**

Broxburn, West Lothian.

**22nd May 2020**

Intermediate (1-2 years' experience)  
Hollow Forms (4-6 inch)

### **Andrew Hall**

County Durham

**13th June 2020**

Intermediate  
Small Hats

### **Paul Howard**

Tiptree, Essex

**26th June 2020**

Basic  
Spindle/Faceplate Technique

### **Gary Rance**

Wendover, Bucks.

**26th June 2020**

Beginner  
Spindle & Faceplate Techniques

**If a workshop is oversubscribed, there will be a ballot for places.**

**To apply - visit the AWGB website: [www.awgb.co.uk](http://www.awgb.co.uk) and download an application form and send to the coordinator shown on the form.**

**Or complete a 'Training Workshop Application' web form.**

**Only fully completed application forms will be considered.**



## **Member Training Workshops**

**Sue Harker**

Snainton, N Yorks

**11th July 2020**

Intermediate  
Art Deco Bud Vase

**Les Thorne**

Old Alresford, Hampshire

**15th July 2020**

Advanced  
Bowl Turning Techniques

**Stewart Furini**

Pulborough, W. Sussex

**23rd August 2020**

Intermediate  
Colouring Platters

**Gary Rance**

Wendover, Bucks.

**28th August 2020**

Intermediate  
Spindle/Faceplate – Candle from Pattern

**Roger Gubbin**

Penlaurel, Launceston

**12th September 2020**

Basic  
Table Lamp

**Sue Harker**

Snainton, N Yorks

**10th October 2020**

Intermediate  
Table Lamp (Long Hole Boring)

**Mark Hancock**

Pershore, Wilts

**17th October 2020**

Basic/Beginner  
Log to Bowl

**Paul Howard**

Tiptree, Essex

**27th November 2020**

Inter/Advanced  
Pagoda Box Making

**If a workshop is oversubscribed, there will be a ballot for places.**

**To apply - visit the AWGB website: [www.awgb.co.uk](http://www.awgb.co.uk) and download an application form and send to the coordinator shown on the form.**

**Or complete a 'Training Workshop Application' web form.**

**Only fully completed application forms will be considered.**



## **Member Training Workshops**

**Mark Hancock**

Pershore, Wilts

**28th November 2020**

Intermediate/Advanced  
Hollow a Closed Form

**Mick Hanbury & Tracy Owen**

Portishead, Bristol

**11th & 12th April 2020**

***Masterclass***

Creative Experience in Turned- Textures and Coloured Platter

**Joey Richardson & Mick Hanbury**

Portishead, Bristol

**15th & 16th May 2020**

***Masterclass***

Creative Experience in Decoration of Thin Walled Vessels & Platter

**Mick Hanbury & Tracy Owen**

Portishead, Bristol

**20th & 21st August 2020**

***Masterclass***

Creative Experience in Turned- Textures and Coloured Platter

If a workshop is oversubscribed, there will be a ballot for places.

**To apply - visit the AWGB website: [www.awgb.co.uk](http://www.awgb.co.uk) and download an application form and send to the coordinator shown on the form.**

**Or complete a 'Training Workshop Application' web form.**

**Only fully completed application forms will be considered.**

# **Doncaster Woodturning Club**

## **All-Day Event featuring**

### **Sue and Graham Harker**



**Saturday June 6<sup>th</sup>, 2020**

**10 am to 4 pm**

**in  
Finningley Village Hall  
Finningley, Doncaster  
DN9 3DA**



**£15 for day including Buffet Lunch and Tea & Coffee all day**

**For more details or to book a ticket (payable on the day) Contact: -  
Geoff Pickering on 01977 646902 or by email at [plumbob67@talktalk.net](mailto:plumbob67@talktalk.net)  
or Chris Linn on 01302 536652 or by email at [chris.linn@btinternet.com](mailto:chris.linn@btinternet.com)**



## **Ray Key Bursary Award**

We are launching the Ray Key Bursary Award as a new initiative in memory of Ray. The award will be open to all ages and its intended purpose is to provide an extended package of training and support for turners who have been identified as budding prodigies, standing out from the crowd in some way or showing great promise. The support could take the form of training, mentoring or other support tailored to the individual. Each award is up to £750 but this could be extended if the reviewing panel decided it was justified.

We anticipate the selection process to be stringent (we're not going to give away that amount of money unless we're satisfied it's justified!) and each application would need two referees/sponsors to support it. We would also expect any successful applicant to agree to a plan to carry out the objectives of the award and to report back at agreed intervals. The money would be paid direct to the training provider / mentor as services were provided.

Our aim is to give a boost to those identified as worthy on their journey to excellence as a turner. We hope this programme will help create a few more turners who would be seen at shows, demonstrations etc. and we're looking forward to seeing how the scheme develops.



Company Registered Number : 8135399.  
Registered Office : 36 Crown Rise, Watford, WD25 0NE.  
Registered Charity : 1150255.  
[www.awgb.co.uk](http://www.awgb.co.uk)

## Application for Ray Key Bursary

(AWGB Members Only)

Name	
Address	
Telephone No	
Email address	
AWGB membership No	
Date of Birth (If under 21)	
Branch/Club (if applicable)	

Use the box below to tell us about your experience as a woodturner; why you want to be considered for a bursary and how you think it would be of benefit to you. Please also read the guidance notes at the end of this form. Please continue on an extra sheet if more space is needed.

--

Please return the application form to the AWGB Vice Chairman at [vicechair@awgb.co.uk](mailto:vicechair@awgb.co.uk)



Activity	Cost
Total	

Please return the application form to the AWGB Vice Chairman at [vicechair@awgb.co.uk](mailto:vicechair@awgb.co.uk)



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Registered Charity : 1150255.  
[www.awgb.co.uk](http://www.awgb.co.uk)

**Please include the names of two referees who are prepared to support your application.**

**Referee 1**

Name	
Address	
Telephone No	
Email address	
Their relationship to you (Tutor, club official etc.)	

**Referee 2**

Name	
Address	
Telephone No	
Email address	
Their relationship to you (Tutor, club official etc.)	

**How do you plan to use your enhanced woodturning skills in the future if your application is successful?**

--

**Data Protection:** The information you provide on this form will be used for dealing with your application. By signing this form you are giving consent for the AWGB to use your data as described in our privacy policy which can be found at [www.awgb.co.uk/privacy-policy](http://www.awgb.co.uk/privacy-policy). Your data will be used and stored in accordance with this policy.

Signed:

Date:

Please return the application form to the AWGB Vice Chairman at [vicechair@awgb.co.uk](mailto:vicechair@awgb.co.uk)



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Registered Charity : 1150255.  
[www.awgb.co.uk](http://www.awgb.co.uk)

## Guidance notes

- The bursary is open to any member of the AWGB including both youth and adult members.
- The purpose of the bursary is to provide a customised package for someone identified as a prodigious / up and coming turner - in other words someone who shows considerable promise and who could potentially be an asset to woodturning in the future by raising the profile of the craft, by advancing education etc.
- Individuals can nominate themselves or they can be nominated by someone else of good standing (professional turner, club official, AWGB officer, WCT officer, school/college teacher etc.).
- Any nomination would need to be supported by two referees of good standing and both nominator and supporting referees would need to submit a statement detailing why they consider the nominee to be a worthy recipient. Neither the nominator(s) or referee(s) can benefit financially from any award.
- The amount of the bursary would be up to £750 but under exceptional circumstances that could be increased if the reviewing panel considered it beneficial.
- The package could include training, mentoring or other support as considered appropriate by the reviewing panel and perhaps expenses incurred around attending such sessions. Applications for equipment should be submitted through the discretionary grant scheme.
- Fees for training, mentoring etc. would be paid direct to the provider on receipt of an invoice. The bursary winner would only be paid any monies due directly to them such as expenses on receipt of their report.
- Bursary winners would be expected to keep a journal which documented their bursary related activities and progress which would be submitted to the panel for review at agreed intervals (so progress could be monitored and if necessary, changes to the plan could be discussed) and on completion of the programme.
- The reviewing panel would consist of the AWGB grants subcommittee and any other AWGB officers deemed necessary (for example, the relevant regional rep; perhaps either the development officer or youth training coordinator etc.) The panel could also solicit the views of anyone else they felt appropriate to assist in their decision.
- The reviewing panel's job is to decide if the nominee should be awarded the bursary and if yes, what the package should include and the total cost
- The number of bursaries awarded in any calendar year may be limited by available funds.

## AWGB Merchandise

Lapel Badges  
Brass & enamel  
£3.50 p&p included



Cloth Badges  
For sewing on smocks etc.  
£4.50 p&p included



Windscreen Sticker  
£1 plus sae  
(standard letter rate)



**All available from the AWGB**  
**Derek Puplett (vice chairman)**  
(details on page 3)  
**Make all payments to AWGB**



## JAPAN WOODCRAFT ASSOCIATION

### Official Launch

Announcing the launch of the Japan Woodcraft Association or JWA ([www.JapanWoodcraftAssociation.com](http://www.JapanWoodcraftAssociation.com)), the first online platform showcasing the people and principles behind Japanese woodwork and carpentry.

With online resources including maker profiles and course listings to events and places to visit, the JWA aims to inspire and educate a new audience outside of Japan.

### DISCOVER MASTERS & MAKERS

Featuring 'Living National Treasures' past and present, such as Tsunekazu Nishioka and Kenji Suda, to revered architects like Kengo Kuma, the JWA profiles 'Masters' who have dedicated their life to Japanese woodcraft. Also showcasing new talent, featured 'Makers' include some of Japan's most talented carpenters, woodworkers and bladesmiths.

### JWA MISSION

- Promote understanding and enjoyment of Japanese woodcraft worldwide
- Offer Japanese crafts people a platform to connect with a global audience
- Showcase correct techniques, tools, practices and traditions
- Preserve and strengthen the culture of woodcraft in Japan

### BACKGROUND

The JWA is founded by Daigo Smith, a woodworker in London with family roots in Japan: "My vision for the JWA is to be the definitive English-language, online resource for Japanese woodwork. From traditions and techniques to course listings and makerprofiles, everything you need to start your journey will be in one place."

### SEEKING MORE PARTNERS & FUNDING

The JWA's vital research trip to Japan in 2019 was kindly part-funded by the Great Britain Sasakawa Foundation ([www.gbsf.org.uk](http://www.gbsf.org.uk)). Now self-financed, the JWA is actively seeking further funding for growth and expansion, offering sponsorship and partnership opportunities.

### MORE INFORMATION

Email: [daigo@japanwoodcraftassociation.com](mailto:daigo@japanwoodcraftassociation.com)

## Renewal Reminder

**If you havent renewed your membership this maybe the last edition of Revolutions you will receive.**

If you are just renewing without changing your details or gift aid status, you don't need to complete the membership form again. All you need to do is send payment - either cheque with your membership number on the back; bank transfer with your surname and membership number as reference or you can renew via the AWGB website [www.awgb.co.uk](http://www.awgb.co.uk).

## Answers to the Turning Twisters Quiz

### Lathes and Tools

6. c
7. Revolving Stebcentre
8. 24
9. Bowl Reversing, Flat, Cole or Button Jaws
10. Outtrigger

### Materials

6. c
7. Yew and Elm
8. Air Dried
9. Growth Rings
10. West Africa

### Abrasives and Finishes

6. a
7. Ebony or Black French Polish,
8. Denatured Alcohol, Meths or Ethanol
9. Micro Sandmaster
10. Microcrystalline Wax

### General Questions

6. b
7. Diamond Wheel Dresser
8. Smaller Angle (as little as 30 degrees)
9. Morticing Axe
10. Totally Enclosed.



# SAVE THE DATE

## The ToolPost Summer Open House June 6th & 7th

Whether you're an experienced turner/carver or just looking to get started, you're sure to find inspiration from our demonstrators and in our range of tools, timber and accessories.

Free admission. Free tea and coffee. Free parking. Show offers. Manufacturer representatives from across the UK and Europe.

- PLUS On-site burger van! -

Come and explore the original Aladdin's cave for woodturning and woodcarving at our showroom in Oxfordshire on the 6th and 7th of June 2020.

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### **The ToolPost**

Unit 7, Hawksworth, Southmead Ind. Park., Didcot, OX11 7HR

[www.toolpost.co.uk](http://www.toolpost.co.uk) | 01235 511101

*sharing expertise*