



## OFFICERS

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Treasurer – Bob Hopkins.....[hopkins\\_bob@cox.net](mailto:hopkins_bob@cox.net)

Ocean Woodturners Website ..... <http://www.oceanwoodturners.com/>.....: Webmaster: Member, Craig Verrastro  
A chapter of the American Association of Woodturners: [www.woodturner.org](http://www.woodturner.org)

### *Minutes of the December 20, 2012 meeting*



Wayne opened the meeting at 7 PM at David Hanssen's studio with 25 in attendance including 4 friends of David Hanssen.

#### **Old Business**

*Bob's report - Last year we had 55 paid members. The treasury has \$2885.72 in it without including any possible bills from the last meeting. I'm still working on restoring our Paypal account.*

*Dues are \$25 for members (and access newsletter on website) and \$30 for members who get newsletter mailed to them. Mail your dues to: Bob Hopkins, 48 Tilbury Dr, Bristol, RI 02809 and include your AAW membership if you are a member.*

Our annual election was held. Since there were no nominations placed from the floor, our present officers { President is Wayne Collins ([turner9254@aol.com](mailto:turner9254@aol.com)), Vice President is Gene Amaral ([amaral12@cox.net](mailto:amaral12@cox.net)), Secretary is Bernie Feinerman ([feinerman@comcast.net](mailto:feinerman@comcast.net)) and Treasurer is Bob Hopkins ([Hopkins\\_bob@cox.net](mailto:Hopkins_bob@cox.net)) } were reelected for another year

**Club shirts** – T shirts delivered by Craig who will take more orders later.

Our webmaster (Craig Verrastro) now has his own web management company and our web site is now sited at his site.

#### **NEW BUSINESS:**

The Yankee Woodturning group has been dissolved and the club received a check for \$495 which was our share of profits from the Symposium.

The Rhode Island Historical Society has a tree they want taken down at the John Brown House, 52 Power St, Providence. Mike Murray subsequently found out that the tree is solid. *The tree died last spring and they want it removed out of concern about Elm disease. The trunk is big 40" diameter and straight.* The idea is that the Society would get some of the wood and so would the club.

Asher Dunn of Keeseh Studios, had requested for suggestions/improvements to the Studio site. Some of the items brought up included :

Parking signage & entrance signage

Asher wants kids day with us and RI Woodworkers participating –There are questions about whose insurance policies would be effective.

Asher is planning separate meeting place which may pose a problem if we need to use machinery during a meeting/demo.

**Challenge – reminder** from the November meeting  
Chuck Petitbon and Jeff Mee brought in a number of freshly cut Oak blanks - nominally 7"+ square x 3" thick.

*The challenge was to take a "green" oak block, turn something, and bring it to the January meeting*

**OR**

*If you missed picking up a block of wood, turn something out of your comfort zone for the challenge.*



## Show and Tell



Craig Verrastro showed a Small Maple Vase, Laminated Rolling Pin with moving handles (Cherry, Mahogany, Walnut, Maple), and a Mahogany Serving Dish



Large Segmented Vase: Paul Tavares  
Oak body, middle is Maple and the sun rays in the middle are Paduuk



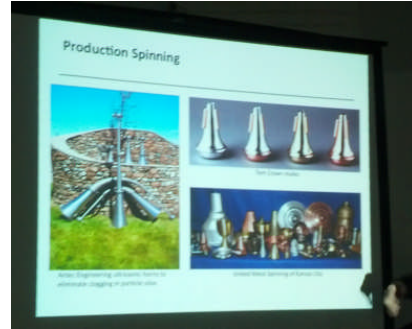
Acrylic Pens: Unknown

## Demonstration Metal Spinning - David Hansen

I began the demo with a slide show survey and a short discussion of some examples of my work to introduce people to what metal spinning is and some of the things you can do using the technique.



Some examples of things I've made using metal spinning



Some examples of commercial products

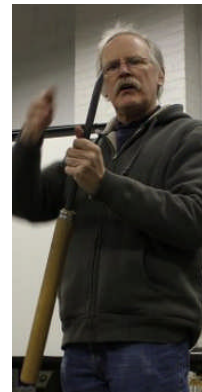
There are lots of videos and instructional materials available that show you how to spin a disc over a chuck to produce simple shapes. Those are essential skills but I'm much more interested in exploring what I can make by folding the metal, sculpting it, and spinning on air.



The work starts with flat metal discs. I'm holding both aluminum and pewter discs but I have also worked with copper and sterling silver.



For instance, I made this Ikebana vase cup by spinning the metal completely back over itself and sculpting the edge into concentric rings. My demo will show the techniques I've learned to fold the metal back and to create a hollow closed form spun on air.



I've made all my own spinning tools, including this 3/4" diameter combination tool that is first ground to a conical shape and then had one side ground flat. I make the ferrules for the handles from iron and brass pipe that I shape on my wood lathe using a hand-held carbide metal cutting tool.

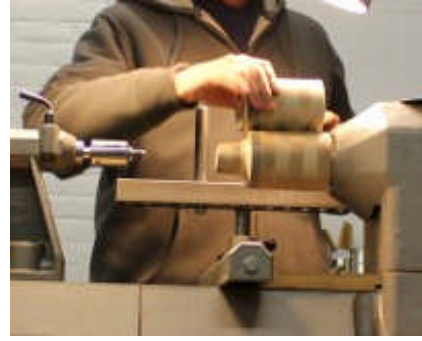
Making tools is much cheaper than buying them and gives you more creative flexibility than if you had to rely on the limited kinds of tools that are easily available commercially

So far, I have made two combination tools, one 5/8" and one 3/4" in diameter; a 1" diameter flat tool; two round end blunt tools, one from 1/2" and one from 5/8" diameter rod; a trim tool; and a few other tools. I made a back stick from 1 1/2" wide, 3/4" thick hard maple about 14" long to support the metal as it is being spun down.



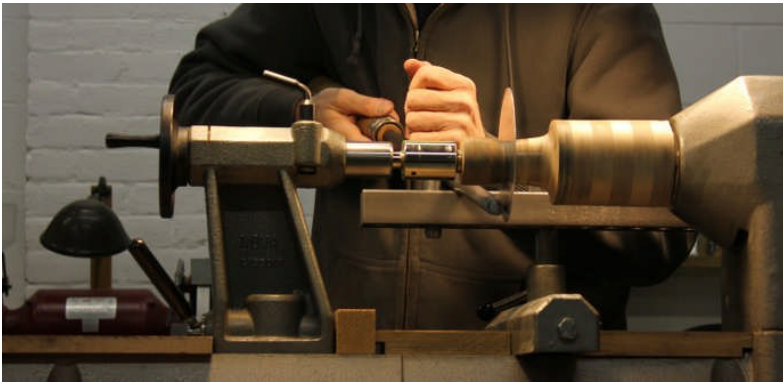


I bought my metal spinning tool rest from One Way. It is very heavy duty and has holes for a fulcrum pin at various points along its length to enable the spinning tool to act as a lever pushing the metal onto the spinning chuck.



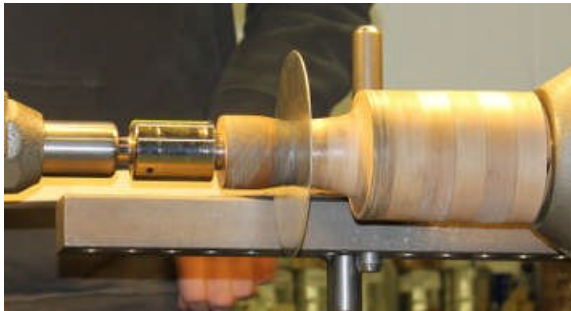
Spinning involves clamping a flat disc between a chuck screwed onto the headstock and a follower block screwed onto the tailstock.

The piece I will make requires changing the follower blocks and chucks a few times. I now drill and tap my follower blocks to fit my headstock and use an adaptor to screw the follower blocks to my live center. This allows me to turn the follower blocks the same way I turn my chucks and gives me the flexibility to use a chuck as a follower block and vice versa.



Spinning puts large forces on the tool rest in the direction of the length of the bed and wood lathes are not designed to resist forces in that direction. I made a number of different size wooden blocks that you can see on the lathe bed to prevent the tool rest and tailstock from moving around

Before you start spinning, you should check to ensure that you are able to move the tip of the tool to reach from the center of the disc to the edge. I messed up the first two pieces I tried to spin because I couldn't control the force I was applying all the way out to the edge. I built an 8" tall platform to stand on to give me the height I need.



Here I'm standing on my platform and using my back stick to center the disc. I am running my lathe at 1,200 rpm and the tailstock has to be tight enough to keep the spinning disc from flying out but loose enough that I can push and center. It's best to not stand in line with the disc during this operation.

The first act of spinning is to lock the disc to the chuck, which you see here. From now on, the disc can't fly out. Spinning proceeds by pushing the metal forward toward the headstock with the spinning tool and then laying the metal down onto the chuck with the backstroke.



Once the disc is centered, I use a rolled up bit of cloth to spread wax on the spinning disc to act as a lubricant. I first used toilet gasket wax, which works and is easy to clean up but is quite messy. I am now using a hard wax from Global Metal Spinning Solutions.



The first part of the shape is complete and the metal that I will spin back toward the bottom of the piece is standing out at a right angle. You can see the lubricating wax I use coating the metal.



Here I'm starting to spin the remainder of the metal back toward the base using a second chuck. I'm using a third chuck as a follower block to hold the cup in the second chuck. I spin the metal completely back to form a cylinder, but it doesn't need to be laid down tightly against the chuck.



I've reversed the piece again and am using the form I used as a follower block in the previous step as a chuck in this step. I run the spinning tool back and forth over the unsupported open cylinder to shape the metal. This process is called spinning on air because there is nothing but air under the metal that I am forming. With care and patience, you can neck the metal all the way down and lay it tight to the outside of the cup.



The finished piece shows the hollow top I made with the metal rolled smoothly back in a continuous curve and laid tight to the outside of the cup.

The final thing we talked about is safety. Most things that can go wrong when woodturning can go wrong while metal spinning. In addition, the spinning disc is like a meat saw and it will cut you very badly if you carelessly encounter the edge. Discs can slip and slam into parts of the lathe or fly out to it's important that you be able to turn your lathe off regardless of where you are standing. The metal trimming tool can catch and tear up a piece, gouge your chuck, or cause injury. And metal trimmings can fly into your face or slash your hands and they can be very sharp.

Stay safe and have fun!

## Some Metal Spinning Resources

**Ocean Woodturners**, December 20, 2012

David Hanssen, david@hanssenstudios.com, 508-826-6615 <http://www.hanssenstudios.com/>

### Terry Tynan

His DVDs are essential for learning: <http://www.metalspinningworkshop.com/>

His products are extraordinary: <http://www.terrytynan.com/>

### You Tube videos on Metal Spinning

[http://www.youtube.com/results?search\\_query=metal+spinning](http://www.youtube.com/results?search_query=metal+spinning)

There's an amazing amount of material available and you can chase links to really interesting and unexpected information

**Paul Wiley - The Art of Metal Spinning** book: <http://www.paulwileyspinning.com/index.html>

## **James Riser**

Magic props: <http://www.jamesriser.com/Magic/JamesRiserMagic.html>

Resources midway down : <http://www.jamesriser.com/Machinery/Machinery.html>

## **Jon Gibson**

<http://www.gibsonpewter.com>

Makes cast and spun pewterware. Made a pewter tea set spun on segmented chucks made by William Thomas:

<http://www.owwm.org/viewtopic.php?t=32108>

<http://www.owwm.org/viewtopic.php?t=39251>

<http://www.owwm.org/viewtopic.php?t=53911>

## **Lynne Hull**

Metal spinning artist: <http://www.lynnehull.com/>

## **William Moore**

Search images using “William Moore” and woodturning, metal spinning, artist, etc.

Kent Hayes interviewed him in 2010 and posted notes and pictures, <http://www.catlin.edu/tags/bill-moore>, and the audio

<http://www.catlin.edu/tags/early-woodturning>

## **Ted Sokolowski**

<http://www.socantel.net/~sokol/>

Woodturning Design Magazine, February 2013 has his article on metal spinning

## **Global Metal Spinning Solutions**

Bio-based lubricants: [http://www.globalmetalspinning.com/bio\\_lubricants.htm](http://www.globalmetalspinning.com/bio_lubricants.htm)

## **One Way Metal Spinning tool rest**

[http://www.oneway.ca/index.php?option=com\\_virtuemart&page=shop.browse&category\\_id=17&Itemid=2](http://www.oneway.ca/index.php?option=com_virtuemart&page=shop.browse&category_id=17&Itemid=2)

*nominally \$132 plus shipping*

### **Wood ‘swap’ -**

Angelo brought in a box but we ran out of time so the box contents will be raffled off at the next meeting.

### **Next Month Meeting -7 PM, Thursday, January 17, 2013**

Ian Manley will demonstrate two methods to make offset stem goblets.

The February meeting “demo” will be a hands-on and grinding session.

### **Coming events**

MSSW(Abington, MA) will host a set of 6 – 1 hour demos on Jan 26, 2013

David Ellsworth’s will be at MSSW (Abington, MA) April 6<sup>th</sup> and 7<sup>th</sup> 2013

***Oceanwoodturners group on Yahoo** : Our club has its own group on Yahoo that we use to exchange information, ask questions, and sometimes to distribute the newsletter. Membership to the Yahoo Group is NOT automatic upon joining the club - becoming a member of the Yahoo Group requires one to either request membership online from the group site (<http://groups.yahoo.com/group/OceanWoodturners/>) or to send an email to Jeff Mee at [jmee@hotmail.com](mailto:jmee@hotmail.com)*