



Established 1987

First Woodturning Club in New England

Next Meeting

July 3, 2014

5:30 PM

Learn & Turn

Richard Hunt

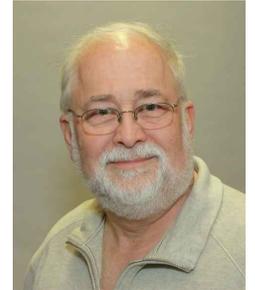
Awls

Demo

Reid Gilmore

TBA

President's Letter



Happy Summer! I hope now that the weather is perfect all of you have their "blood flowing" are up and around about AND doing some wood turning.

I just came back from attending the AAW Annual Symposium in Phoenix. It was great! Initially I was a little "turned off" because the only "Nationally known" turners were Jimmy Clewes and Bin Pho. Don't get me wrong, Jimmy and Bin are really great. But, I was pleasantly surprised. Every demo I attended was really outstanding. I learned many new innovative options for turning things I never thought could be turned. Hopefully in the near future I will demo one of them for you.

I saw John Beaver turn a wave bowl, it was great. Alan Carter, Clay Foster, Neil Schobie from Australia turned a seed pod and an offset donut. I will be attempting both. Those who didn't attend, missed some great turning demos.

But, most important to me was the rotation for the chapter presidents to speak with the Directors of the AAW. In the past, in my observation, the AAW did little to assist the officers of the chapters in the managing of the chapter nor let the members know what was available to them from the website. It was a "hard sell" of the value of the AAW to prospective members. Well after that meeting things have changed! The focus will be placed on improving the chapters. Let there be a easy place to find info, on Auto/Video equipment, Lathe safety shield construction, officer hand books, news letter content, etc.

The next 12 months we will be seeing a much better AAW!

Mickey

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Minutes June 5, 2014 Meeting

Art Bodwell for Eric Holmquist

- Visitors - 2
- Minutes - Approved
- Treasurer - current balance \$3,755
- Old Business

Steve Reznek mentioned shows at the Fuller Craft Museum & asked for volunteers to work at end of show

Charley thanked everyone who contributed to the Wheel Chair Mission

- New Business

Visitor Roger Johnson described a woodturning project for the Montessori School. Asked if any turners would be interested in making blanks the children then decorate. A negotiated fee would be paid. If interested contact Roger at 617-905-4719

Contact Mickey Goodman

mgoodman@tiac.net

508-498-9090



Craftsman 6 1/8" joiner/planner with mobile base and sawdust bin. Sharp blades in great condition. \$200.00

Craftsman 10" contractor saw with dust bag and on a mobile base. The saw has cast iron table and a 80 tooth carbide blade and is excellent condition. Will include a few jigs along with the saw. \$200.00.



This item is a Harbor Freight sand blast cabinet which has a built in gun and attached rubber gloves. I used it a few times to on metal but intended to use it to sand blast wood to remove the soft wood between the growth rings. Never got to it. Will include about 40 pounds of sand blast material. All you need is a compressor. New at \$95.00 will sell for \$45.00



Dave Dudney is the President of the club that this hosting the 2015 AAW Symposium in Pittsburg. He has asked Mickey if we could post the following information on a lathe he has for sale

An Oliver wood lathe is for sale. It will turn 12" x 36" between centers and will turn up to 30" outboard for bowl turning. I have used it for bowl turning quite a bit before I decided to upgrade to a new larger lathe. I also have a 110v outlet on the lathe which you can plug into it while running the lathe and sand your turned piece at the same time while running the 220 v single phase motor.

Fixed headstock with Reliance Electronic variable speed drive and digital RPM readout for accurate speed adjustments

Set of dead centers which hold a spindle for visual comparison

Angled tool rest geometry allows for better chisel movement along the tool rest

2HP TEFC Induction Motor

3" face plate and 8" Faceplate

12" tool rest, 6" Tool Rest, and a 14" curved tool rest for bowl turning

A Reliance Electric variable frequency drive allows this machine to run on single phase power

I am asking \$1,200 or best offer for the lathe and all of the accessories

Please feel free to call me at 724-331-3696 if you have any questions. (for more details on available accessories, contact Mickey Goodman or Art Bodwell)



Association of Revolutionary Turners wins two prizes at AAW Symposium

At the recent AAW Symposium in Phoenix , congratulations are in order to our sister club as ART won both the fantasy and the technical prizes in the Chapter Collaborative Challenge.

The project was a "hot air balloon". The shape was defined by a cap at the top and a series of flat plates. As you go down the plates first expanded in size and then reduced. A turned basket hung on the bottom. There were seven plates below the cap. Small turned objects were placed on the 1 and 1/2 inch wide plates. Each plate had twelve segments, two each of three dark woods and six of maple. The cap, plates and basket were supported by a Lucite rod up the middle and three ribs holding each of the plates in place.

ART tried to get all the members to make an object and succeeded with about half. So there were about 25 people involved. The core team was five people who made the rings, the basket, the support structure and shipped it to Phoenix.

The Phoenix club won the other two prizes, including best of show, out of a total of six entries.

A person who has a gift shop or gallery bought it and he will display it in his store window. He paid \$350, which was a real bargain. The money goes half to AAW and half to ART.



South Shore Woodturners also a winner at Phoenix

Kudos are also in order for another Massachusetts club as the South Shore Woodturners took 2nd place in the Chapter Website Competition. Their website address is www.msswt.org and they are based in Abington, MA



Happy Birthday to Jim Beardsley. 90 Years young.

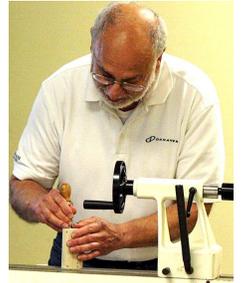


Making a Rayed Figure

Steve Reznek

One way to use a lathe is as a drill press. And one thing you can make is an interesting figure with dowels that seem to twist. I had seen Jimmy Clues and Barbara Dill make one and I thought it looked cool. Barbara Dill has an on-line video on how to make one. It turns out that it is rather tough to make a good one. If you want to try, first watch her video.

When you make a twisting stem, start with a cylinder and draw a circle on each end. Then mark a number of points on each circle, say three. The points on each end should line up with one another. Number the points on the “right hand” end consecutively in a clockwise rotation. Then number the points on the “left hand” end to correspond to those on the right. This means that if you look at the “left hand” end the points will be counter clockwise. It is also helpful if you label each end, right or left.



Mount the cylinder in the lathe with points 1 and 2 in the head and tail stocks and turn a large cove spindle, pinched in the middle. Then repeat the turning with points 2 and 3; and then 3 and 1. The turning is tough for three reasons. First, you are cutting wood only 1/3 of the time and air 2/3 of the time. Second, each of the three pinched or coved spindles should be exactly the same. Third, the cylinder is cocked so the contacts with both the spur drive and the live center are not flush. And you want to turn fast to get a smooth cove.

Is there an easier way? I thought up another approach. Mark the ends on the cylinder in the same way. It helps to write the numbers both on the ends and the sides of the cylinder. You could do three, but it turns out to just as easy to do six or eight. And it looks cooler. Use a Jacob’s chuck to drill holes for dowels. The pattern of holes follows the same idea as the twisted stem.

Start with a cylinder. (or any shape longer than it is wide will do. but it is easier to start with a cylinder.) Find the center of each end of the cylinder. A center finder helps, but you can probably guess pretty well. Then use a compass to draw a circle on each end. Mark some number of points evenly spaced around the circle on each end, being reasonably careful to align the points. Number the points on each end, being sure that they correspond. That is, point number 1 on the right end is aligned with 1 on the left; 2 with 2, etc. This means the right end will have the numbers going clockwise and the left counter clockwise. The drawn circle should be far enough within the cylinder to allow the holes you will drill to be well within the face.

Use an awl to punch both the center point and all the points on the drawn circle. The “punched” points will accept either a spur drive or a drill bit.

Mount the cylinder on the lathe. The head stock has a spur drive and the tail stock has the drill in a Jacob’s chuck. It is a real help if the spur drive has a long center point. It also helps if the drill bit is a brad point, but an ordinary one works fine if you are careful. The cylinder is mounted “off-center”.



The table shows the pattern for aligning the numbers for 3, 6 and 8 holes. I choose 3, 6 and 8 because it is relatively easy to mark them around evenly. Obviously you can do any number.

Three Dowels	Six Dowels	Eight Dowels
R L	R L	R L
1 - 2	1 - 3	1 - 4
2 - 3	2 - 4	2 - 5
3 - 1	3 - 5	3 - 6
	4 - 6	4 - 7
	5 - 1	5 - 8
	6 - 2	6 - 1
		7 - 2
		8 - 3

For six dowels put the spur drive in point number 3 of the left side and the drill bit in point number 1 of the right. Drill in as far as you want the thickness of the top ring to be. Next the spur drive goes into point number 4 and the drill in point number 2. Keep going for the four remaining of the six points. Remember to turn slowly when you drill.

Because the cylinder is cocked at an angle, you have to be a little careful to get both the spur drive and the drill bit into the marked holes. The punch from the awl will help a lot. If your spur drive has four tines, only one or two will contact the face of the cylinder. Don't worry. It usually works.

The next step is to switch the cylinder around on the lathe. So the "left" end is now in the tail stock. That is, the "left" end is on the right. And the "right" end is on the head stock, i.e. to the left. Put the already drilled hole number 1 in the spur drive and the bit in the punched hole number 3. Then the spur drive in already drilled hole number 2 and spur drive 4, etc. In other words you first drilled #1 from the right toward #3 on the left, etc. Then, after you switch the cylinder around, you drill #3 (from the right, of course) toward #1. It is not as bad as it sounds. But be careful that you if fact line up the holes the way you should. The numerals on both the side and face help, particularly if you eliminated the numerals when you drilled the first (or "right") face.



Once you have drilled both faces, you can part off the ends. You can mount the cylinder in a chuck, using the center hole for alignment. But it is probably better to cut off the ends at a table saw rather than using a parting tool. Once you have the two end caps, you can assemble them. Cut the dowels longer than the original cylinder. Put one dowel through the hole number 1 in the "right" end and then into hole number 3 in the "left" end, keeping the two caps about the right distance apart. Then put in another dowel. This time through #2 and into #4. Keep going until you have all six dowels in place. The dowels should slip fairly easily through the holes. If not, a little sanding will do it.

If the drawn circle diameter is too small or the dowel holes too big the dowels will hit each other in the center. Before you start any drilling, look at the marked end of the cylinder. Draw or imagine the lines connecting the right and left holes. (See the figure.) If those lines are reasonably far from the center point, you should be OK. The dowels could still hit on top of each other if the cylinder is not long enough. If its length is two or more times the diameter of the circle, you should be OK.



OK. That's it. Well, one more thing.

I usually do not drill both ends of a cylinder. What I do is cut two cap pieces and a cylinder. I use double sided tape to fix one cap piece to the end of the cylinder. I mark that cap as the "right" hand side and the end of the cylinder as the "left" hand side. I drill my holes. Then take the drilled cap off and put the second cap on. I have already marked the second cap exactly like the first one, so I just center and position it correctly. I then drill the second cap. Of course the two caps should be exactly alike. So I take the two, exactly alike caps and assemble them. The faces with the marked numbers point out. However, the pattern #1 goes to #3, #2 into #4, etc. is not true this time. If you want, you can erase the markings on one of the caps and redo it marking the holes in a counter clockwise direction. But that is not necessary. Just put one dowel through one face and into the other. They should be separated more or less by the size of the cylinder and one of them is rotated until it is parallel to the other. Then put the next dowel in and keep going. Doing it this way lets you use the cylinder over a number of times. You don't waste the entire cylinder the way you would if you drilled both ends.

I guess that is really all. Good luck. It sounds a lot worse than it is.

Support the CNEW Store

- ♦ 2 & 3 inch velcro sanding disc 80 thru 400 grit - 10 for \$2.00
- ♦ Sanding pads & back up discs coming soon, to be priced at our cost
- ♦ CA Glue Thin, Med Thin, Med, Gel, & Gel thick. - 2 oz \$5.
- ♦ CA Glue Accelerator - Sm \$5.00 Med - \$7.50
10 ounce aerosol - \$12
- ♦ Anchor Seal \$10.00 per gallon
- ♦ Pen Kits Mesa Style - \$5.00
Bushings for pen kits - \$4.00
Pen Kits Diplomat - \$5.00
Slimline - \$4.00



Show & Tell



Russ Bertelsen



Frank White



Rick Budney



Mike Smith



Mike Peters



Mike Smith



Art Bodwell



Mike Peters



Rick Budney



Kevin Nee



Kevin Nee



Erik Muskus



Kevin Nee



Buzz Hawes



Frank White



Mike Peters



Rick Budney

Central New England Woodturners

A Chapter of the American Association of Woodturners



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Big Name Demo Coord: Jerry Sambrook, Southwick, MA 413-262-5051, jsambrook@comcast.net

Club Project Coord: Steve Reznek, Concord MA 978-287-4821, stevenreznek@comcast.net



Membership

To join or renew membership, please complete the form below and a check made payable to CNEW and bring it to a CNEW meeting, or pay

online at the CNEW website under "join/renew" or mail to: Treasurer, Central New England Woodturners

c/o Todd Heino, 148 Howe St, Natick, MA 01760

Membership Application

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Treasurer, Central New England Woodturners

c/o Todd Heino
148 Howe Street
Natick, MA 01760

Annual dues: \$30 including e-mail delivery of newsletter; \$35 for postal delivery of newsletter.

Name: _____

Please check appropriately below

Street: _____

New Member

City: _____

Returning Member

State: _____ & Zip: _____

e-Mail Newsletter (\$30.00)

e-Mail: _____

Please let us know of your interests:

How long have you been turning? _____

What programs would you like to see at meetings? _____

Would you like to demonstrate at a meeting? Yes/No If so, what topics do you offer? _____
