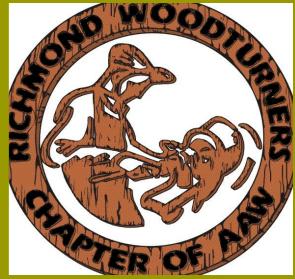




Richmond Woodturners'

Newsletter



Next Meeting:

@Woodcraft, old Circuit City Plaza, 9862 West Broad St (Rt. 250W), Richmond, on the third Thursday of every month, 6:30PM. Refreshments provided.

August 19

Editor: Betsy Mack

bcmack@comcast.net

Program Schedule:

August: 6 x 6 x 4 Challenge

Sept: Suction Lidded Box

Oct: Inlaid Ornament

Challenge Schedule:

August: Vacuum Chuck

Sept: Be Creative

Oct: Suction Lidded box

Inside this Issue

Meeting Vibrations	2
Challenge & Show/Tell	3
Upcoming Shows	2
Visitors & New Members	3
Officers & Club Information	5
AAW / VA News	5
For Sale, Buy, or Trade	6

August 2010

www.richmondwoodturners.org

Vacuum Chucking with Andy Hammer

Is it too big for your Cole jaws or too weird shape for reverse chucking anyway else? Sounds like you're ready for (Drum roll) **Vacuum Chucking!**

The vacuum chuck is a closed container in order to keep a vacuum. First, how to attach the chuck to the lathe? Faceplate mounted to wood, works but faceplates are expensive if you want different sizes. Or get a Beall thread cutter and cut threads in lots of different wooden faceplates. Cost of thread cutter ~\$45. Or go the cheapest way and get nuts that fit your lathe and glue them into wooden faceplates. Cost ~\$4 per nut.



OK you have the faceplate attached to the lathe, now to form the vacuum container. True up the faceplate on the lathe. Turn a groove in the wood to fit the PVC Sch 40 pipe. You want a snug fit with glue room. Put slow epoxy into the groove, put the pipe into the groove, while still on the lathe true up the pipe using the tool rest as a gage, remove from the lathe, add more epoxy outside the groove and let sit overnight. In the morning return the plate to the lathe and true it up and round over the PVC edge. Next you need a soft surface on the pipe for a good seal. Michael's has hobby foam (\$5) with a sticky back. Center it on the pipe and with a Xacto knife cut out the center.

Now for the vacuum part of the set-up. You need a bearing, tube fitting for the head stock, vacuum hose, pump with release valve and rubber sealant. Put the whole thing together, place a plate over the PVC pipe and check for a good vacuum. 14 inches of Hg is good, but 24 is better. If not, check for leaks and seal everything. Sounds like too much work, get a vacuum kit.

OK time to use it for real. Center the platter or bowl on the chuck. Use the tool rest as a center gage while hand turning the lathe. The tail stock and light vacuum (remember the value?) will help get it centered and stuck on the chuck. Turn up the vacuum pressure. Try to keep the cutting pressure inside the chuck's edge for better holding ability. Turn off the nub, concave the bottom and sand. **[Continued page 2]**



Shows Coming Out Of VA:

September 24-Jan 30, 2011, "A Revolution in Wood" Smithsonian American Art Museum, DC

Nov 11-14, 2nd Segmenting Symposium, Arrowmont School, Gatlinburg, TN.

June 2011, AAW Symposium Saint Paul, Mn

Shows Coming In VA:

Sept 18, Club Picnic , Reedsville

Aug 27-Sept 4, Chesterfield County Fair

Sept 23-Oct 2, VA State Fair

Oct 9-11, John Jordan, Richmond Woodcraft

Oct 23-24, VA Symposium, Fishersville

[Andy from page1] Don't turn it too thin or it might crack. Email from Andy *The critical issue, as pointed out by a couple of our members, is how much force is holding the piece on the chuck. Even though there was less vacuum than usual, due to the leakage of air through the pores of the Red Oak, we ended up with enough force that I couldn't pull the piece off the chuck. That would be the test for safety. I did some calculations today regarding how much force was on the platter with 12.5 inches of mercury gauge reading, using a 6 inch chuck. I believe we had about 175 Lb of total force on the platter. No wonder it didn't move easily.*

The company Dick Hines recommended is www.JTurningtools.com. They have several items of interest (pumps, hand wheels, adapters, chucks, vacuum kits). Woodcraft carries some vacuum chucking things too.

The Rotary Adaptor I use with my chucks is made by PISCO Pneumatic Equipment Co. They have a distributor in Richmond, AFP Industries. Their rotary adaptors are not stocked by AFP, but can be ordered. The one I use utilizes a single bearing, and is about \$30.

Vacuum fitting



Vacuum fitting & wheel



Barbara, Jim, Sid and Don went to the AAW Symposium in CT. Most of the action happened after the show ended. See AAW News.

Meeting Vibrations

Roy and the Youth Turning Project is finished. Roy is teaching at the Visual Arts Center

Mike and Jerry finished the first lathe stand with one more to go. It looks to good for kids to use.

Sid & Penny Mace will host the club picnic Sept 18. Sid will be cooking again so we need a head count by next meeting. Bring a chair, drinks and sides.

Don handed out the 6 X 6 X 4 pecan blocks for the challenge turning next month. Participants are to turn the wood into interesting things, but NOT BOWLS and bring them in next month.

John Jordan will be here Oct 9 – 11 for 1 day demo and 2 days Hands-On. Sign up with Don Hart now.

Lee said we will not be at the VA State Fair this year.

Tim Yoder and the Woodturning Workshop will be back on PBS starting August 20.

AV folks are still working on the system. Cindy has gone back to school but will still help with the website.

Harry has demoed turning at his local elementary school's career day. Are we interested in trying this at other schools? Contact Lee.

Silent Auction is suspended until the Christmas Party due to lack of interest & funds.

Safety First,

Keep Band Aids in the
Shop



SHOW & TELL



Things: Candle stand, platter, hollow forms, bowls, goblets, tool, cat box, pen, Christmas ornaments, segmented vessel

Wood: Cedar, white oak, cherry, mulberry burl, pear, poplar dogwood, shells, blood wood, maple, ebony, privet, grapefruit

New Members:

Jim Zorn Member #103

Correction: Phil English's wife does not have dementia.

WRAP-UP OF RW YOUTH ACTIVITY:

We had 7 students Monday and Tuesday, and to my amazement, there were no major catastrophes, just a couple of bowls skidding across the floor. They did quite well and turned some nice sanded and finished bowls.

Thanks go to Ray and Roy and the mentors who put this together. We look forward to doing a lot more in the future. Our Youth Activity is over for now, having cancelled Wednesday and Thursday's events. The Scout Jamboree probably caused lack of attendance. Please keep us in mind down the road. Lee



Officers for 2010

President:	Lee Scarbrough	(804-712-6676)
		franlee1@verizon.net
1 st Vice President:	Don Hart	(804-530-3992)
2 nd Vice President:	Jerry Fisher	(540-895-5287)
Treasurer: /Bulk Orders	Matt Baker	(804-440-3581)
Secretary/Newsletter	Betsy Mack	(804-730-8324)
		bcmack@comcast.net
Resource Manager:	Dick Hines	(804-966-5204)
Membership:	Danny Luttrell	(804-271-4799)
Website/AV	Barbara Dill	(804-749-8565)
Past President Board Members:	Mike Lane	(804-932-5149)
	Jim Bumpas	(804-526-2873)
	Dan Luttrell	(804-271-4799)
	David Sterling	(804-755-6087)

AAW Hot News

After the 2010 Symposium the AAW Executive Director, **Mary Lacer** (Alan Lacer's wife) was removed from her current job by the AAW Board of Directors (Tom Wirsing, Warren Carpenter, Kurt Hertzog, Dale Larson, Jean LeGwin, Binh Pho, Cassandra Speier). Malcolm Tibbets & Bill Haskell have resigned from the BoD and have been replaced by temporary members. These resigned members along with others (Alan Lacer, Mel Turcanik, Royce Wallace, special advisor, Phil Brennion) have formed a Membership Action Group (MAG) and have requested a general meeting of the AAW membership. The BoD has called a Special Meeting of the AAW membership for August 28 (St. Paul, MN) to air all of the issues and concerns raised by the MAG, to amend our Bylaws.

To learn more about the BoD's side of this issue, go to their website. www.supporttheAAW.com You may cast your proxy vote there too.

To learn more about the MAG side of this issue, go to their website. www.memberactiongroup.com Follow their directions for casting your proxy vote with them.

Dues: \$25 individual, \$35 family & \$15 student. Member applications are available upon request at meetings or via email.

Library: Contact the club librarian to borrow tapes and other publications related to woodturning for only \$2 per month. Loose it and you bought it

Newsletter Entries: If you have tips, news, "For Sale" or a newsletter entry (250 words max and no embedded photos; send photos separately as attachments) please send it to the Editor for publication in a future newsletter. Must be received by *7th of each month* to make the most current newsletter.

Website: www.richmondwoodturners.org Updated regularly and contains links to other VA clubs.

AAW Membership: Dues are \$48 per year. For this, you receive 6 issues of "The American Woodturner" (a \$30+value), a great resource directory (over 450 pages), a huge annual symposium, personal grant opportunities, third party liability protection, and much more. If you are the least bit serious about woodturning, you can't afford to miss out on all this.

BOARD MEETING

AV Committee: Thinking about changes. Need to correct the noise problem from the lathe

VA Turners Symposium is Oct 23–24

John Jordon is Oct 9 –11

Home-a-rumba with Danny Sept 18 –Oct 5 Sign up to help Danny turn sometime.

Jerry Fisher & Cindy White working on a format for the Picnic in Sept 18. Go on line & mark off what you want to bring.

Chesterfield County Fair Need people to demonstrate Start Aug 27 - Sept 4

Week Days: 4 to 8 or 8:30

Weekend: 1 to 6

Turn anything you like on a mini jet lathe. Bring your own wood as required. Sign up sheet will be at next meeting with direction to Fair Grounds Jim Ellis

Stamp

Here

FOR SALE, BUY, or TRADE

Ray Deyo offers a 10% discount on non-power tools and supplies on meeting nights at Woodcraft for members only. Another very good reason to join us every month!

Hot Off the AAW Website

The AAW BoD and Mary Lacer have ended the feud and cancelled the proxy vote & Special Meeting.

A Bylaw Revision Committee has been formed. Send your thoughts to

aawbylaws@gmail.com or wait and we can send them from the whole club to give it more weight. Send your suggestions to the newsletter editor. I will collect them and forward them to AAW in September.

