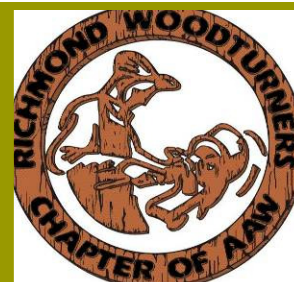




# Richmond Woodturners' Newsletter



## 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.

## September 17

Editor: Betsy Mack

[bcmack@comcast.net](mailto:bcmack@comcast.net)

## Program Schedule:

Sept: Brian Nobel-Marx-Multi-Axis form

Oct: Dick Hines-Xmas form

Nov: TBA

## Challenge Schedule:

Sept: CNC carved

Oct: Multi-axis

Nov: Xmas ornament

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## September 2009

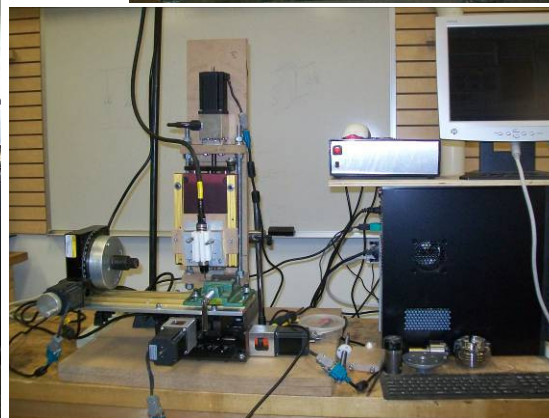
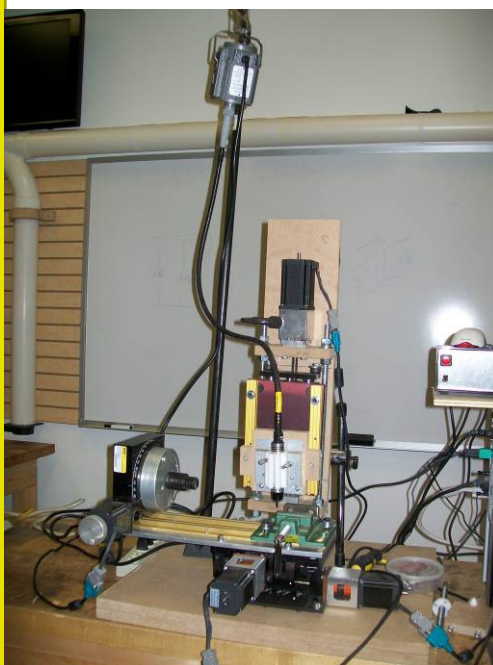
### **DEMO: Bruce Robbins with His Home Made CNC Machine**

With an older computer (with parallel port), other scrounge things, software and \$700 worth of stepper motors, you too can build a small CNC (Computer Numerical Control) carver. Bruce's has 4 axis of movement ( X, Y, Z and rotary). Be sure when getting the 4 stepper motors there is no backlash in the front to back movement. He uses a Forehom for the cutter and turns it on separate from the computer program to save cost.

Next the software. The computer uses G-code (.txt format) to set up the steppers motors. This is a set of instruction for one movement step: G01 X1.0 Y0 Z0 A0 F10. A is in degrees & all others are in inches. A zero point must be set first (usually at the bottom left). Z is the depth of the cut and F is the rate of movement. Simple patterns can be written on Notepad, more complex in Excel or go all out and use a CAD program. You can even scan in a photo and convert it to G-code. This G-code must be translated into a milling machine language. Bruce likes Mac3 software for this step.

Bruce said it helps to see a CNC before you try to build one. He has offered to help all who wish to venture into this area. Check out [www.CNCZone.com](http://www.CNCZone.com)

**More photos on page 2**



**Shows Coming Out Of VA:**

**Sept 18-20**, Turning Southern Style XV, Helen GA,

[www.gawoodturner.org](http://www.gawoodturner.org)

**Oct 23-25**, Woodturning Symposium, Greensboro, NC,

[www.northcarolinawoodturning.com](http://www.northcarolinawoodturning.com)

**Oct 30-31**, Klingspor's Extraganza, Hickory, NC



**Shows Coming In VA:**

**Sept 25-Oct 5**, State Fair of VA, I-95, Caroline County.

**Oct 10-11**, Crozet Arts & Craft Festival, Crozet

**Oct 17-18**, Greater Lanexa Studio Tour, Lanexa.

**Oct 26**, Sorby Man, Woodcraft

**April 10-17**, Jimmy Clewes

**May 27-29**, David Ellsworth



Things you can do with your own CNC



Safety First,

Breath Clean Air



**Meeting Vibrations**

Brad spoke about the picnic demo. More on that elsewhere. Lee said the Chesterfield County Fair is Aug 28- Sept 5. We need volunteers for that and the State Fair (Carolina county) Oct 1 & 2, 10 am to 9 pm.

Dan gave an update on the video set-up: Monitors & speakers are wired.

Treasury has about \$10,000.

Barbara D. has added web links to VA clubs and a Photo link to Walmart so you can get copies from them. Lee has ~25 copies of VA Trees. \$3 donation is requested. Ray said the Sorby man will be at Woodcraft Oct 26 to show off new their tools.

Year 2010: April- Jimmy Clewes, May- David Ellsworth, Nov-VA Woodturners Symposium

# SHOW & TELL



**Things:** bowls, pens, candle sticks, goblet, pepper mill, lamp, baby rattle, rocking chair, hollow forms

**Wood:** cherry burl, hybrid poplar, pine, boxwood, walnut, holly, maple, oak, magnolia, hackberry, antler

**See More on the Website**

## SAWDUST PERSON for the Month

This month is Barbara Dill. She has been turning since 1990 and is one of the founding members of the club. Barbara likes to turn hollow forms, but she really like multi-axis things. She has written 2 articles for the AAW (2007) on the subject. Barbara started her career as a military nurse, moved around the country a lot before retiring and setting down in western Hanover with her partner of 24 years, Shelly, plus 3 cats and 2 dogs. She has a workshop that's 24 X 30 ft with a loft (holds the book collection) and porches all around (for holding more things). Barbara has two lathes, Powermatic and Ricon, some how fitted into her packed work area, but she has a bit more room now (I took off with a sander she didn't use). Barbara also likes gardening, plumbing (2 toilets were in the front yard during a recent visit) and building things to store wood. Shelly has given her permission to get more wood after seeing Sid's collection at the picnic and Barbara is way behind.



**Officers for 2009**

President:	Lee Scarbrough	(804-520-1745)
	frandlee1@verizon.net	
1 <sup>st</sup> Vice President:	Guy Cox	(540-373-3109)
2 <sup>nd</sup> Vice President:	Brian Goulet	(804-368-0464)
Treasurer: /Bulk Orders	Matt Baker	(804-440-3581)
Secretary/Newsletter	Betsy Mack	(804-730-8324)
	bcmack@comcast.net	
Librarian:	Dick Hines	(804-966-5204)
Membership:	Danny Luttrell	(804-271-4799)
Website	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)

**Visitors / New Members:**

**1st Time Visitors:**

Mark Pugh      Al Williams

**New Members:** Gordon Andrews

Chris Pouncy of **Robert Sorby Tools** in England will be at the Richmond Woodcraft Store providing two free demonstrations Monday, October 26: 1-4pm and 6-9pm. Chris will be presenting a series of Robert Sorby specialist turning tools including their new Sovereign System, the interchangeable micro tools and the micro texturing system as well as other traditional tools. Chris is a very interactive demonstrator and loves questions. It's an excellent opportunity to obtain information and advice about use, technique and sharpening, all while watching an expert show you how it's done. The best part is – it FREE.

**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. Loose it and you bought it

**AAW Membership:** Dues are \$45 per year. For this, you receive 4 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.

**Picnic** was another success. The group was smaller than usual this year but that just met more of Sid's good cooking for the rest of us. We had a few new faces arrive to take the house & barn tour. This year Sid's new toy is a wood kiln set-up and Penny got a big old quilting sewing machine (it's high time we saw Penny with a new toy). The evening demo was Brad B and his friend of six years, July H. Brad has been making forms for Judy's nesting Nantucket baskets. The baskets are made upside down on a heavy wooden form. Brad added some color strips to the forms so Judy can make sure the weaving is kept straight. Brad said the forms run about \$10 per diameter inch.

After a while basket were just getting to easy, so they came up with a way to weave a small lighthouse. All parts have a jig for it (Brad loves jigs). Judy has used reeds, cane and pine needles for weaving and offers classes.



Penny's Class Project

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!

### ORDER FOR SEA URCHIN SHELLS

Betsy is getting together a bulk order of sea urchin shells. In decreasing size:

Alphonso (~3 1/2 " dia.)-\$3, Sputnik -\$3,

Purple -\$2, Green-\$1,

Pink (~1 1/2 " dia.) -\$1

Go to [www.seashellworld.com](http://www.seashellworld.com) to see more.

This will be the maximum cost for each shell. With orders over \$125 there is free shipping and bulk orders for each shell will reduce the individual cost. Exact cost will be calculated at time of order.

Email me if you are interested.

Leave name, shell type & number of each.

Order before Oct 1

### **Roland Sheneman, Mr.**

**Mustachio**, has had to give up driving. He is looking for someone from the Southside to give him a lift to Thursday turning meetings. Roland is willing to pay to get out of the house. He lives within spitting distance of Forest Hill Park & the railroad (Zip code 23225). If you can help a fellow turner, call him at 233-5366.

### **For Sale**

Craftsman Joiner 6 inch in very good condition. \$175. Call Ed Wood 266-2878. Keep calling if no answer.

### **Orders for Anchor-seal.**

Barry Irby will be taking orders upto Oct 1