



NEWSLETTER

AAW
AMERICAN ASSOCIATION
OF WOODTURNERS

APRIL WOODTURNING DEMO

Four very experienced members of the Richmond Woodturners presented different tools.



Barbara Dill on Spindle and Bowl Gouges

A thorough review of the use of spindle and bowl gouge was presented. Most interesting was how to approach the turning and what part of the tool to use when cutting. The demonstration was based mostly on spindle work. She also described how these gouges may be sharpened.





Bill King on Scrapers

The scraper is one of the oldest and most versatile tools in the toolbox. In our session we covered the various types of scrapers from the more common ones found in your starter tool set to some specialty scrapers used to hollow, sheer scrape, and square the bottom of boxes. We spent some time discussing two specific scrapers and how to make them: a drop nosed scraper and a negative rake scraper. We also talked about sharpening using a burnishing rod, a grinder, and a hone. Finally, we examined using the scraper in spindle applications as well as bowls, focusing on tool rest positioning, tool angles, sheer scraping, and avoiding catches.



Amos Peterson on the Skew Bowl Gouges

Many hints and techniques were provided on how the skew is used to make many of the features of spindle turnings. Amos also showed how to use the skew to make a tenon on a bowl blank so it can be mounted with a scroll chuck.



Dan Luttrell on Parting Tools

The parting tool is probably the least most used tool that a woodturner has. For that reason, turners generally do not spend much time practicing with it, and therefore do not have the comfort level they may have with other tools in their arsenal. Dan showed how the 3/16" diamond shaped, 1/16" Chris Stot, and a 1/32" wide homemade "grooving" tool can be used for shaping, scraping, and finishing, as well as traditional separating of pieces on the lathe. While this should not, necessarily, be your first tool of choice, the parting tool is very versatile. These tools typically have 5 cutting edges. The "nose" of the tool can be used as a scraper, but cuts better when riding the bevel. The other 4 edges typically have a burr from grinding and can be used for shear scraping. Dan showed how the tool can be used for rolling beads and other external detailing, forming chuck tenons, shear scraping

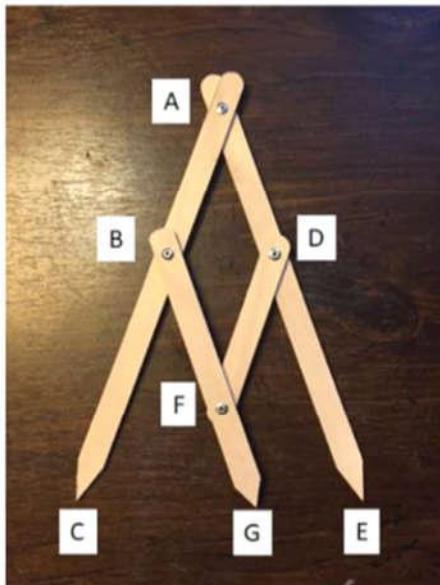
for a finished curved surface, and end grain detailing including turning a shallow bowl.

FROM OUR PRESIDENT

For anything manufactured, whether for commercial use or like the products we make on our lathes, the three components that define the outcome are materials, process and design. The wood or material we use can be selected for its properties, color, or perhaps just found in a pile. Generally, a wide selection is available to any of us with the right amount of searching. Our lathes may be big or small but typically spin counter clockwise as we approach the timber with a sharpened piece of steel. Some prefer round steel with flutes, some a flat skew, some a scraper and some resort to rough sandpaper to get through trouble spots. After sitting through many demonstrations from professional to amateur, there's no way to tell by observing a finished piece what tools or process was used, what lathe the piece came from or what grit sandpaper was the first used. Other than admiring the wood grain, it is always the design that separates the ordinary from the wow factor.

With the plethora of articles and videos on design already available by abler folks, I will not attempt recreate any, but I would like to share something I came across on my journey. Last month I saw a design for a golden mean caliper that I'd like to share with the club. A quick search on the internet will lead you to many examples in nature as well as fabrication. There's just something about the ratio of 1:1.618 that makes objects more appealing to the eye. You can just as easily buy these from many sources, but once a maker, always a maker, I had more fun making one.

For those so inclined, here are the plans. I made mine from 3/32" basswood, 8" from point A-C, with A being the pivot point and C being the tip. I used 1/8" pop rivets as the connectors. Using the formulas below, it can be scaled larger or smaller.



$$A-C = A-E = \text{Length 1}$$

$$B-G = \text{Length 2} = \text{Length 1} / 1.618$$

$$A-C = A-D = B-F = D-F = \text{Length 3} = \text{Length 2} / 1.618$$

$$F-G = \text{Length 4} = \text{Length 3} / 1.618$$

Example

$$A-C = 8"$$

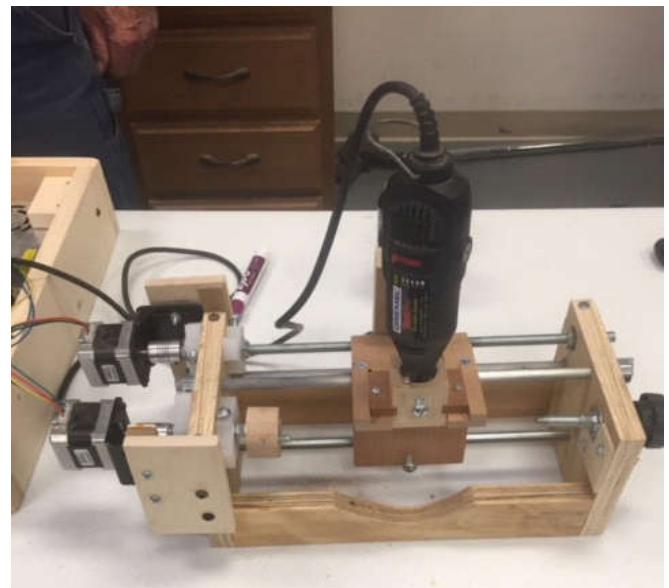
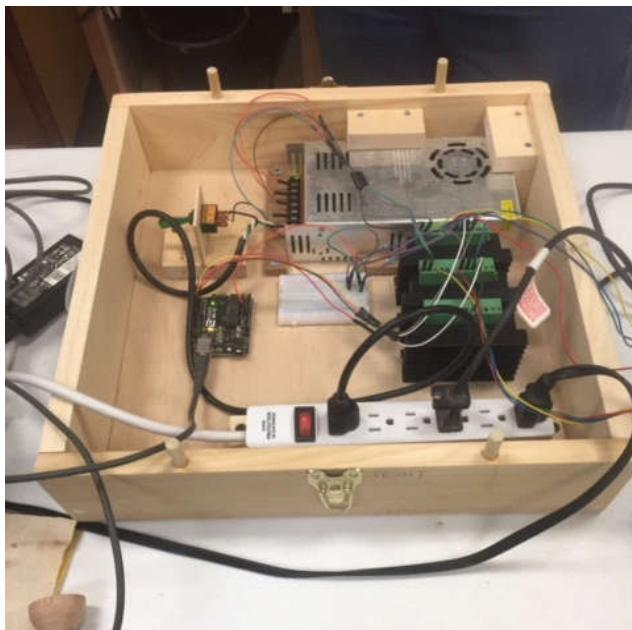
$$B-G = 4.9"$$

$$A-C = 3.1"$$

$$F-G = 1.9"$$

Richmond Penturners – May 2018

The May meeting of the Richmond Penturners was highlighted by Jim Zorn's demonstration of his automated pen wizard build. It is basically a 2 axis CNC where a pen blank is mounted on a rotating axis and a Dremel tool is mounted on a linear axis. Stepper motors drive the simultaneous movement of the axes such that an infinite number of patterns can be carved into the pen blank. The language of CNCs, GCode is written to tell the motors how far to move or rotate, in what direction, and how fast. The carved areas can later be filled with colored epoxy or polymer clay. Wanting to keep this a low-cost machine, Jim chose an Arduino microcomputer as the processor and free software to send the code from his laptop. Total cost was about \$100 which included all electronics, mechanical components and motors.





Woodturning Competition and Exhibition

There were 103 entries in this year's competition and exhibition. This was more than last year (89) and compares well with previous years. The number of entries by class was: Novice 16; Experienced 57; Expert/Professional 24; Exhibition 6. The Best of Class Winners were: Novice – Jeffrey Lohr; Experienced – Phil Evans; Expert/Professional – Alex Pettigrew. The Best of Show winner was Alex Pettigrew. The demonstrations were excellent and well attended. The video coverage was a big hit.

JAMES O'HANLON





SHOW AND TELL







MEETING NOTES OF 15 MARCH 2018

The meeting was opened by President Bruce Robbins at 6:30. The following item were discussed.

An invitation from Central VA Woodturners to a “Hollow Forms & Finials” Demonstration was announced. www.robinsostelle.com for more info.

The Competition and Exhibition will be held on April 21. Last entry time is tonight.

Aage's wood (mostly bowls) are displayed on a table at the back of our meeting space. Some expert help could be used to price them in preparation for sale.

Challenge for 1st quarter of 2018 is due tonight – a turning using 3 or more kinds of wood.

The “Presidents Prerogative” included a description of a design tool called the Golden Mean Caliper.

JUST FOR YOUR INFORMATION

THE Golden Mean Caliper, Golden Rule Divider, or Fibonacci Gauge, (it has many other names) is based on the ratio of 1:1.618, as Bruce mentioned in his letter above. This ratio can be generated be many ways but the most common is by dividing any member of the (Fibonacci sequence. is: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, ...) into the next member, 89 into 144 (or 144 divided by 89) is 1.6180555556. A more accurate ratio is generated by using greater sequence pairs; 8/5=1.6, 13/8=1.625, 34/21=1.619047, and so on. The parts of the Gauge should be members of the Fibonacci Sequence. In building a gauge allow some material for the hinge; measure from pivot point to pivot point.

For more information just “Google” the topic or go to:

<http://www.woodturnersunlimited.com/index.php/tools/29-golden-ratio-calipers-fibonacci-gauge>

Or <https://www.quantumbalancing.com/goldenmeantemplate.htm>

for additional instructions of how to make a Golden Mean Caliper.

OF FURTHER INTEREST

An Antique Tool Show and Sale will be at the Glan Allen Woodcraft store on May 20th, 9 am until 2 pm.

also

The next Forest Project exhibition will be June 4-August 24, at the Virginia Museum of Fine Arts Studio School. The show is being curated by the director Mary Holland and Dawn Flores. There is room for only 16 pieces. We have selected a few pieces, so that we can begin marketing. Final selection will be made when we hang the show on May 30. Dawn will send email notification to everyone whose work will be included.



SAVE THE DATE!!

Virginia Woodturning Symposium 2018
November 3 & 4, 2018
Expoland - Fishersville, VA

Mark your calendars to reserve the dates for the Virginia Woodturning Symposium! There will be 41 rotations held at 7 different stations covering a number of turning techniques during this exciting 2 day event! This is an awesome opportunity to enhance your knowledge base!

Some of the demo topics include-

Fabulous Finials, Pen Making Start to Finish, Fun with Spheres, The Airbrush Demystified, Natural Edge Winged Bowl, Basic Bowls, Techniques for Deep Vessels, and many other fantastic sessions!

The following demonstrators are on the schedule:

Cindy Drozda
Nick Cook
Graeme Priddle
Joe Fleming
Mike Sorge

Rudy Lopez
Barry Gross
Mark St. Ledger
Dick Hines

Donna Banfield
Frank Penta
Lyle Jamieson
Fred Williamson

The symposium is a great place to meet woodturners from other clubs, learn new skills, and talk with vendors about your tool and supply needs! There are also opportunities to work on your techniques with experts at the Skills Center, and an Instant Gallery where you can view or display turnings!

If you pre-register before October 26, 2018, the price is only \$80 for the weekend!

Check us out for details on the web at: <http://www.virginiawoodturners.com>

UPCOMING DEMONSTRATIONS

May - Bill Jenkins - Chair Making Part One
June - Bill Jenkins - Chair Making Part Two
July – What's New in the World of Pen Turning

FIRST TIME VISITORS

Frank Surface
Steve Kellner
Paul Farkas
Larry Jones

PAST MEMBER VISITORS

Gene Milstead

May Snacks & Drinks

Georgia Wood.....COOLER AND ICE
DICK HINES.....2 LITER COKE
DON HAYES.....2 LITER PEPSI
DON ROWE.....2 LITER DIET COKE
DONALD HART.....2 LITER CAFFINE FREE SODA
DOUG DILL.....COOKIES
DOUG DOMBROSKY.....CHIPS
DOUG MURRAY.....SALTY SNACK
ED WOOD.....SALTY SNACK
FRAN BROOKS.....SWEET SNACK

You can switch with someone if you are unable to bring those items for the month assigned.

2018 Challenges

1st Qtr. Something made of 3 or more species of wood
2nd Qtr. Functional utensil that is not a bowl
3rd Qtr. Hollow form
4th Qtr. Shop tool
2019 1st Qtr. Jigs
Further definition of these may be forthcoming.

Financial Report

Our current balance \$7986.81

Richmond Woodturners Quarterly Challenge

The Challenge will now be regularly scheduled for the third month of each quarter (March, June, September, and December). Entries will be placed on a table separate from the Show-n-Tell table.

Club Officers

President: Bruce Robbins
Vice President: Bill King
Secretary: John Anderson
Treasurer: Cody Walker

Directors

Activities Director: Georgia Wood
Resource Director: Chuck Bajnai
Information Director: Stan VanDruff
Membership Director: Dan Luttrell
Newsletter Editor: Bob Marchese

Past President Directors:

Lee Scarbrough
Jim Bumpas

Committee Chairpersons

Charlie Hamilton	Chairperson of the Social Media Committee
Barbara Dill	Chairperson of the AV Committee
Jim O'Hanlon	Chairperson of the Turning Competition Committee

For sale or trade

If you have any items to list in the For Sale or Trade Section,
Please email me at forsale@richmondwoodturners.org.

Please remember that each item needs a description, price, city, seller's name and contact info (phone/email).

You can include pictures if you like. They will run 1 month unless notified to "re-run".

Meeting Schedule

May	5/17/2018	November	11/15/2018
June	6/21/2018	December	12/20/2018
July	7/19/2018	January	1/17/2019
August	8/16/2018	February	2/21/2019
September	9/20/2018	March	3/21/2019
October	10/18/2018	April	4/25/2019

RICHMOND WOODTURNERS INFO

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. The list is on the website. Lose it and you bought it.

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

We meet at the Woodcraft Store - 9862 West Broad Street, Glen Allen, VA 23060

On the 3rd Thursday every month.

AAW Membership

Experience the remarkable world of woodturning with the American Association of Woodturners (AAW). With the largest portfolio of woodturning-related material in the world, AAW is the go-to source for woodturners of all skill levels. A membership with the AAW can help you learn and thrive in your woodturning experience, as well as connect with others who share your passion.

General: \$60 annually worldwide

Family: \$65 annually worldwide includes up to three family members who live in the same household.

<http://www.woodturner.org>

IN CASE YOU ARE INTERESTED IN OLD TOOLS





Contact the store at: [804-355-3945](tel:804-355-3945)

Fax: 804-355-2532

Email: richmond-retail@woodcraft.com

9862 West Broad Street
Glen Allen, VA 23060

Organizations such as the Richmond Woodturners, Penturners and carving clubs would not exist if it weren't for the kindness of their sponsors. We are blessed and grateful to have the Richmond Virginia Woodcraft store supporting us and our activities. Please remember this and support them at every opportunity!
For the classes provided at this location see: <https://www.woodcraft.com/stores/richmond/classes>
Look for classes taught by Ray Deyo, Clark Brummett, David Sterling, Brian Noble-Marx and others.

FOR SALE

One Way model 1640, 1.5 HP lathe. Purchased in March 2016 for \$4250. Has very little use as the owner became disabled soon after purchasing it. Price is \$3500 or best offer. New owner must move it. Contact Mary Lou Pellick at: goshultz0462@gmail.com.