

Echos From the "BAT" Cave

Baltimore Area Turners

BALTIMORE AREA
TURNERS

BAT GOES OFF CENTER

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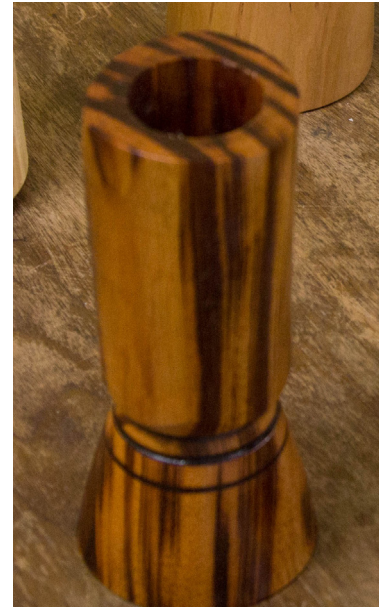
Barbara Dill (*above left*) brought a truck load of examples of her multi-axis turnings (*above right*). She generously shared the ins and outs of creating the different forms with BAT (*below*).

We also had entries to the President's Challenge of 2015.

MORE INSIDE



Visit us on the web at www.baltimoreareaturners.org



Mallets, Candlesticks, a Lidded Box, and a Multi-axis piece shown in October.

PRESIDENT'S CHALLENGE

Three more BAT members entered pieces to the Presidential Challenge for 2015.

Charles Stackhouse entered his Walnut Candlesticks, **Bill Marr** entered a Cherry mallet and spalted Maple mallet as well as a Basswood lidded box with a Walnut finial.

Getting a jump on the competition, **Ed Cohen** entered a Jobillo multi-centered turning.

2015 Susan Shane Memorial Iron Man Challenge

		<i>Gavel</i>	<i>Box</i>	<i>Mallet</i>	<i>C.sticks</i>	<i>Multi</i>
Clark	Bixler	x	x	x		
Chuck	Cohen		x	x	x	
Ed	Cohen			x	x	x
Richard	Dietrich	x	x	x		
Stan	Dorman				x	
John	Fisher		x			
Ron	Ford	x	x	x	x	
Ernie	Grimm		x			
Greg	Ham	x	x	x		
Louis	Harris	x	x	x	x	
Pete	Johnson	x	x			
Richard	Kline	x	x	x		
Wayne	Kuhn	x	x	x		
Robert	Lindlau	x	x			
Bill	Marr		x	x		
Dave	Murphy		x	x		
Bob	Rupp	x		x		
Roland	Shepard	x	x			
Charles	Stackhouse	x	x	x	x	



(Counter-clockwise from above) Barbara; Examples in the four quadrants; Turning a cylinder; Marking out the axes; The night's first demo piece; The very first multi-axis piece she ever turned.



BARBARA DILL DEMO

Named by Stuart Batty as one of the 10 best turners in the world, this retired nurse drove up from her home in Virginia to grace BAT with her expertise.

[Barbara Dill](#) shared her systematic approach to the seemingly chaotic technique of multi-axis turning, developed over her 25 years of turning.

It's boiled down to two types of mounting: Parallel axes (parallel to the center axis of the piece) and twisted axes (not parallel) along with two types of cuts: Arc type – cutting interrupted coves and beads in the work and Circular type – cutting complete V-cuts, coves and beads. Combining these types of mounting and types of cuts gives 4 different combinations that she labels 'Quadrants,' each of which has a characteristic form and style. She said that if you can reliably turn a V-cut, bead, and cove on a single axis, then you can do multi-axis.

She uses two tools for almost all her work: a ½"

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Cutting an arc in the air.
(Note the lathe speed.)



A bead is cut over the arc

MORE MULTI-AXIS

(Continued from Page 3)

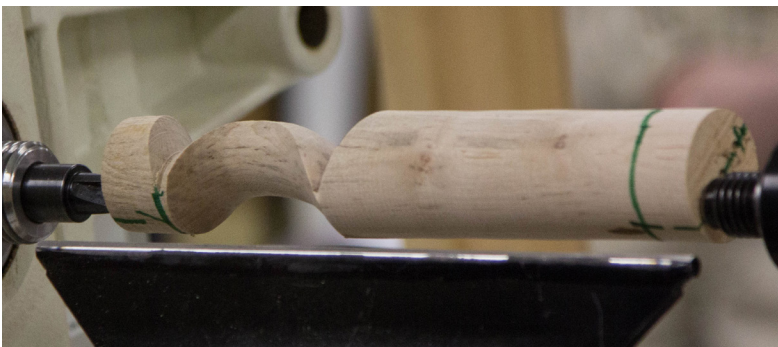
deep fluted Bowl gouge with an English (not swept back) grind, and a ½" spindle gouge with a swept back grind. She said she prefers the One Way tools for their long flutes. She sharpens with a CBN wheel using a Wolverine Jig.

She started her first piece by mounting a spindle blank between centers. She used a ½" 4-prong drive center which, she said, grips better than a Steb center but also has some give in case of a catch. She roughed out a cylinder then marked out her axes on the ends. She also impressed each axis point against a center. The axes were numbered on each end for reference. She also marked out ½" on each end of the piece for reference.

She mounted the piece between #1 and #1 points. This gave a parallel orientation. Spinning at 3000 RPM, she cut a large cove, taking half the length of the cylinder. She stopped frequently to assess progress. She then mounted the piece between the #2 points (180 degrees from #1) and turned a bead over her cove. The resulting figure was a gentle arc shape. The other half of the piece was done on 3 twisted axes with some circular cuts and an arc cut.

She brought numerous examples of her work, starting with her first multi-axis piece which, she said, miraculously did not fly off the lathe and injure

(Continued on Page 5)



The completed arc form.



On to the rest of the piece.



All axes are clearly marked.



Size matters - same technique with different lengths

STILL MORE MULTI

(Continued from Page 4)

her. She showed how 'size matters -' different length pieces made with the same cuts look entirely different. She showed how alternating coves can result in a Squiggle form and how alternating V-cuts at 120 degrees on a twisted axis can yield a screw shape. She showed how she incorporates the techniques in split turnings to make graceful curved candlesticks, uses square stock to create teapots and cups, and showed an animal mask turned in the style of Keith Holt. She said she loves to experiment.

Her second demo piece was a slightly offset 3 parallel axis candle stick in the style of [Rude Osolnik](#). She started by turning a cylinder, marking out pairs of axes with one end offset by about 30 degrees, then turned large coves between pairs #1, 2, and 3. Unfortunately, this was done in a rush and did not come out as planned.

She said she usually makes her own copper candlestick inserts out of [copper tube cap](#) fittings. She anneals them by heating them with a torch and allowing them to cool, which also imparts a patina. She places them in an oak support reinforced with a band clamp and

positions them with the top $\frac{1}{4}$ " above the top. (The height is adjusted with coins under the fitting.) She then hammers them with a steel ball, then a hammer splaying the open end to make the lip. She says that her customers like the hand crafted inserts. Time flew by during this fascinating demo. By the end, some of the audience were dazed and some were illuminated but all were transfixed by her techniques and skill. This was a great demo. Thanks, Barbara!



The goal for the second demo



Showing details of goblet

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DEMO - CANDLESTICK

(Continued from Page 5)



(Clockwise from upper left)
Turning cylinder; Marking axes; Making arc cut;
Final piece; Squiggle forms; Support for shaping
copper candlestick inserts; Goblet; Spiral;
Barbara's favorite drive spur.





RAFFLE NEWS

As President Ron Ford said, the October Raffle stressed "Quality, not quantity." Assorted pen blanks, a Black Palm spindle blank, two digital multimeters, a Cherry log, and Wenge and Honey Locust bowl blanks were donated by generous BAT members to the October Raffle. Thanks to all!

BALTIMORE AREA TURNERS

Baltimore Area Turners meets every month on the second Wednesday of the month. The next meeting will be held at the Boumi Temple at

5050 King Avenue
Baltimore, MD 21237-3325

Next meeting:
November 11, 2015 at 7:00 PM

Agenda: Show and Tell



BAT CLASSIFIED ADS

Don't forget that one of the benefits of BAT membership is access to the classified ads section of the website.

Have an item to sell? Trying to find an item not currently listed? Looking for a tool, wood, or other supplies?

Check the website's [Classified](#) section and you may see what you want!

With over 70 members currently enrolled, chances are good that you may find what you want.

To add an item, please send the details to: webmaster@baltimoreareaturners.org.

PRESIDENT'S CHALLENGE

President Ron Ford has announced the 5th Presidential Challenge for 2015:

Create a multi-axis turning. Must use 3 axes* or more and must be 8" or longer. Be as eccentric as you like.

President Ford has also announced the 6th and final Presidential Challenge for 2015:

Turn a Holiday Ornament.

Final entry date for these and all other Presidential Challenges will be 12/9/15, the date of the BAT Holiday Party.

*axes is the plural of both axis and axe. In this case, it does NOT refer to tools.