



April 2006

The March Demonstrator was Paul Kosmos with Segmented Turnings

By Jerry Schaible



Paul Kosmos, who has been turning for about 3 ½ years, determined that he needed a challenge in turned design and quality. So he sought out the segmented turning creators of Kevin Neely, Malcolm Tibbets and Ray Allen, to learn how they were able to produce their fine enclosed vessels. These individuals have produced some of the finest segmented turnings in the US. They have also produced websites, books, and computer programs to help individuals create their own unique designs.

Paul indicated that the first thing that one needs is to make a sled for the table saw, in order to cut out the small pieces. The use of this sled will provide consistent and repeatable results. He stated that his first

piece was a maple and paduk piece. He stressed the idea of using contrasting pieces of wood to have the design show up the best. He indicated that prior to getting started in the piece, one should have some idea of what the shape of the enclosed vessel should look like. This is accomplished by either using graph paper or a computer Excel program to draw out the shape of the vessel. He would draw a line on the graph paper indicating the shape desired and then draw two additional lines on either side of the primary line, with about a ½ inch of space between. This should be drawn to full size scale and mark off segments that are ¾ inch thick. Then one is to figure what diameter size vessel one would like to turn. From this determination, one can figure out the outer measurement for each segment. Paul gave a formula for determining this. It is listed as follows: circle diameter X Pi [3.1416] divided by the number of segments that one chooses to use in the layered piece....[8,12,or 16]. That length is now used to set up the table saw sled to cut the pieces to a consistent length and with the proper angles....8 sides = 22.5 deg....12 sides = 15 deg., and 16 sides = 11.3 deg. When all pieces are cut then one must glue them together. Paul uses Titebond glue for this procedure. He smears a proper amount of glue on each piece and glues them together in pairs by rubbing the two pieces together. The bond occurs quickly and remains stable. Then he glues up another

pair of segments. He does this until he has one half of the circle complete. He then will set them aside to dry completely. When dry, he will take each half circle and touch the ends to a disc sander. This will provide a match with the other half after it has been disc sanded. He indicated that it would be quite rare if they matched perfectly after gluing up. A commercial disc sander could be used or one could make a disc sander with a faceplate and a piece of MDF for use on the lathe. Then use spray adhesive to attach the sandpaper to the turned disc. When the two halves have been sanded then they are mated to each other with glued joints and held in place with some band clamps. When the glue has dried, then Paul will face off the circled layer on an open disc sander. This is to provide a true, flat surface on the layer in order to glue it to the previous layers of the vessel, for a very tight glue joint. When this top layer has been glued in position, it is imperative that the second surface must be trued up. This is done with a gouge to remove some of the obvious extruding segments. Then this surface is fine tuned with a sanding stick. This sanding stick is about 2" X 10" and covered with some 80 grip sandpaper. This sanding stick will span both sides of the layer to provide a trued surface to accept the next layer. One should be careful that no black burn marks appear on the sanded surfaces as this will leave a black mark on the glue joint. Therefore in this process, one will sand one side of the layer on the disc and the other surface on the lathe. Paul will make the enclosed vessel in two pieces. One will consist of the lower half of the vessel that is built up to the widest point or shoulder. The top half will then be built on another faceplate. When it is completely turned, then you will glue the two halves together and hold in place with the tailstock. A special Morse taper with matching threads with the faceplate will fit in the tailstock. This is used to align the top half

to the bottom half. If the two pieces have been turned accurately, they should align perfectly. As ones ability and skill improves, they can make up segmented pieces with artistic geometric shapes and designs. This will certainly add to the quality and delicacy of the piece. Thank you Paul for an outstanding demonstration.....



Do You Have Overdue Books

Please check your book shelves and shop to find and return these materials.

Name Checked Out	Title	Date
Lewis, Rich	Understanding Wood Finishes	
	Finishing Basics	
	Woodworking Projects	
No Date		
McCardel, Larry	Building Cabinets	
No Date		
McLaughlin, Tom	Kelton Wood Turning	
10/18/05		
Mineweaser, Louis	Fine Art of Small Scale Turning	
Morgan, Ty	Mastering Your Table	
Saw-Video	3/15/03	
	Table Saw Basics	
4/19/03		
Somich, Don	WoodTurning - Pracht	
10/15/05		
Taylor, Fred	Adhesives & Glues	
10/21/95	" "	
10/15/05		
	Turning Wood - Raffin	
11/15/05		
	Wood Turning Mag.	
June 86	6/21/03	
Weinberg	Practice of Wood Turn-	
ing - Video	4/19/05	

Please note, if you returned the book and did not replace the card, see the Librarian's ,get the card, remove your name and place the card in the book or video. Thanks. Don Karr & Marty Chapman

Presidents Soap Box

I want to thank everyone for their concern regarding my recent back operation. I really am starting to feel great, however am not allowed to drive a vehicle, lift anything, bend or twist as yet. Can't wait to get released so I can get back into the shop and start doing all the things I would like to do.

Want to remind everyone to bring a plate or platter for the Project of the Month. Remember, only domestic woods and be on your honor for placing your piece either on the novice or experienced turners table. Lets have 100% participation. Also don't forget to bring your work for the Show and Tell table. We all want to see what everyone is doing.

Although not announced, we will have some type of program after the break. See you all Saturday the 15th.

Best regards,

Larry

Calendar of Events

April meeting at Y-Noah Saturday April 15th

Meeting starts at 9:30 am

April demonstration is open at the time of this writing, President McCardle states that He is working on something, and there will be a demo.

May BWWT Annual Auction. Start gathering up your unwanted wood items, tools, and other misc. stuff that someone else might want. This is our clubs major fund raiser.

June; AAW Symposium June 22-24 in Louisville Kentucky

Please see a list of tools for sale at the end of page 6.

Please see an article on the Lake Erie Artists Gallery written by Paul Kosmos on page 7.

Remember the Project of the Month for April is Platters.s

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BUCKEYE WOODWORKERS & WOOD TURNERS
March, 18, 2006

The regular meeting of BWWT met at Camp Y-Noah on March 18, 2006. Approximately 50 members were in attendance. A welcome to the members was given by Ben Fix and of special note to Larry McCardel from surgery, and Bruce Lance, on his return from Saudi Arabia.. New members were introduced as well as visitors. Special introduction was given to Paul Kosmos, who was the featured speaker for today's session.

Vice President Fix indicated that there would be two tables set up for the monthly projects. One table was to be for the Old Hands group of woodturning members and the Novice group would be open to members that had about 2 years experience. Voting on all pieces would take place during the regular meeting. Winners were to receive a \$10 prize for their efforts. It was announced that next month's projects would be a display of platters. Members were encouraged to bring their pieces in for Show and Tell.

Mr. Fix identified that the newly purchased bandsaw was sitting in the room for members observation. The saw was purchased from Hartville Hardware and assembled on site. Some members indicated that they would like to see a demo on using the bandsaw to cut various blanks for woodturning projects and issues of safety. The issue of bandsaw use will be discussed by the executive committee for presentation at a later date.

VP Fix indicated that there is a gallery in Tower City, in Cleveland that is in need of wood turned objects to sell in the store. Interested individual can look on our website for the contact phone number. Local artists are encouraged to have their works displayed in the store.

Business cards for the BWWT were placed on display for the membership to observe. More of these will be available at future meetings so that they can be handed out to interested individuals.

Lou Mineweaser, club treasurer, indicated that several members have not paid their dues. The membership list will be adjusted in the coming weeks to reflect only the paid membership. He also indicated that the club had \$1508.18 in the treasury. He also indicated that we had club patches available for shirts and caps. Money from the coffee and donuts totaled \$27 and the club raffle netted \$100.

Don Karr indicated that the library materials were available to be borrowed and then returned at the following month's meeting. Members were encouraged to take advantage of this tremendous resource.

Marty Chapman stated that AAW was making available some Youth Grants that were worth \$1000. This money could be used to buy tools for young people to begin their woodturning experiences. A sophomore at Louisville High School has already won this award.

Catalogs to the John C. Campbell Folk School will be available for next month's meeting. This will show all the craft options that are available in the coming year.

Doll Lumber will be heading to the Ohio Lumbermen's Conference in the coming week. Any member that has produced a turned piece and wants to donate it to Doll Lumber, should deliver the work to Doll Lumber facilities by Thursday at the latest. Approximately 8 to 10 pieces have already been donated to help support the Children's Miracle Network.

Jeff Hoffman, a Louisville teacher, received a \$1000 AAW grant to help outfit his school shop.

Don Somich has a Woodfast lathe for sale. It has a 39" bed length with a DC drive.

It was mentioned that copies of the club newsletter is available for those who did not see it on the club's website. Accolades were given to Dave Floyd for his newsletter presentations each month.

Bruce Lance mentioned that he had 3 or 4 long boring bars available for anyone wishing to acquire them.

The winner of the Old Hands candle stick holder was George Raeder. The winner of the Novice group was Carroll Jones.

SEGMENTED TURNINGS by Paul Kosmos

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Thank you Paul for an outstanding demonstration.....

Respectfully submitted
Jerry Schaible, Sec.

Tools For Sale

Black walnut Formica covered craft bench with one high side and one side with table height work surface covered with blue Formica. One drawer and adjustable shelving underneath.\$300. Steel frame wood top bench \$25. Reach me at 330-854-4678 or dalseave@sssnet.com Dal Seaver

Jet Mini Lathe, Never Used ,reduced to \$175.00 Contact Adrian Cook 330-697-8284

Ridgid EB4424 Oscillating Edge Belt/ Spindle Sander \$75 cost \$250 New. Contact Bill SEABOLT 330-882-3335 lazybolt@aol.com

Woodfast model MC908, 16" capacity--39" between centers, with 6" & 12" tool rest, adjustable 10" tool rest. 3", 4" & 8" face plate, live center, drive center, drive chuck with 1 1/4" - 8 tpi, wrenches. 220v ac to dc var drive motor. cast iron legs & 2-6 frame. extra drive card for motor control. \$2000 or best offer. Contact Don Somich. 724-699-1673 cell, 724-981-4374



Lake Erie Artists Gallery
By Paul Kosmos

Hi guys. I visited the Lake Erie Artists Gallery on Friday. They just opened at Tower City. There might be an opportunity for some of you to sell your work. The space at Tower City is outstanding. As you know, TC is hurting due to low numbers of shoppers, and loss of most key stores/clients. So they made a deal with the Gallery hoping to bring people into TC and begin upgrading their offerings. In lieu of rent they get a percentage.

The Gallery is located on the 2nd floor and they have an equal space on the 3rd floor. The space is great. All wood paneled and large areas at top of each section would show large pieces beautifully (used to be a plush clothing store). It would be cool to walk in and see one of our pieces on display. Current work displayed is mixed, ranges from \$10 to about \$500. At this time, only wood is some bottle stoppers from David Shafron (NCWT member). They have lots of space to fill and need some wood stuff to warm it up.

To be a member and display your work you must:

1. Pay fee of \$25 month. Towards expenses.
2. Volunteer 4 hours per week (or pay a higher commission) They need the help and think it will help if artists are present.

To sell items:

3. The commission is 30 % (20% to gallery and 10% to TC) plus 4 hours per week.
4. OR 40% commission and no volunteer time

5. Most sales are credit card, 5% fee to cover CC fees.

6. Non Members - \$10 per week and 50% commission (for temporary artists)

Insurance - You have to provide insurance if important to you.

In summary: This is a nice opportunity. The big question is whether Tower City will attract people interested in art. TC is at an all time low right now with poor store selection (it still looks nice, just not top names). I think the key is special events, holidays, and traffic from the Ritz Carlton. People like to browse, etc. That means that smaller items might be a good try. At worst, you get some exposure and if the gallery gets some success or publicity, might make some money.

Special Events: The Gallery is hosting BRAVO ON THE AVENUE on Saturday, March 25, from 5 to 9 pm. Free food, wine, drawings, etc. So if this is interesting, YOU NEED TO ACT IMMEDIATELY.

Person to contact is Evelyn Bute (Director) at 216-664-9920. Paula Atwell is the President.

Please pass this on to as many members as you can, I can't hit them all or know who might be interested. I will send to another 10-15.

Hope this is worth your time reading..... thought you might like to know.

Paul