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The Workshop
of
Barbara Dill



April Turnings
of
Phil Evans





The Wood Spinner

Central Virginia Woodturners <http://www.centralvawoodturners.org>

CVW Newsletter - April 2012

President's Corner

Our President, Tom Evans and VP Nate Hawkes, had other duties, so you had to put up with the 3rd string to run the meeting. We had a great crowd for the very informative and excellent demonstration by Don Voas on "Turning Cookies" or end grain turnings.

Don had a large number of terrific examples from several different woods and forms. There were many positive comments from members as the examples were passed around. There could be many new style items at our next show & tell time. The handout and numerous tips/tool-handling techniques were very helpful. I am certainly going to try several of these tips. Maybe my wrestling matches with the end grain turnings will not be such a beating on my body...takes the fun out of turning. A BIG THANK YOU, DON!! If you missed the demo, we have been bragging about Don and I bet he will have his show at a WoVA coming soon. We will advise of the schedule.

Dale Winburn was one of our visiting guests from WoVa Club. Dale is from the Culpepper area and will do a demo in August on "Pepper Mills Made Easy". He had several of his mills in show & tell.

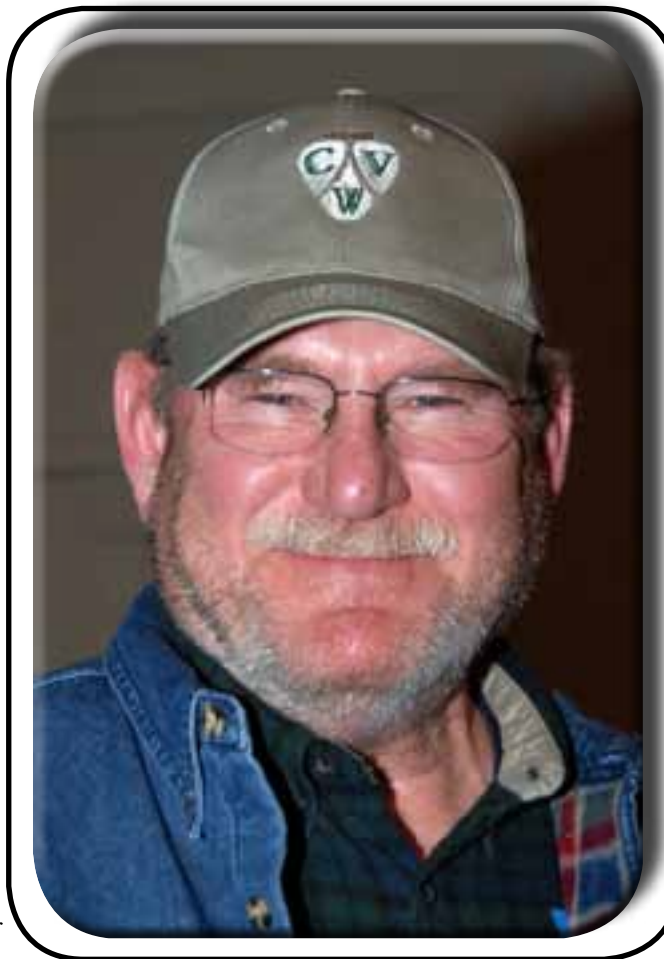
(Pepper from Culpepper?) Thanks for coming, Dale, and come back anytime.

Mars Champaign's query in AAW magazine and Andy Rhodes' Newsletter Article/video are in the meeting minutes.

Next meeting is May 15th with multi-station night. We plan to have all 5 lathes in action with Bryce Connely and Andy Rhodes doing green bowl turning, Elbert Dale our skew master, Betty Gruber on pens, and Rolf Gebel doing boxes. Focus for the night is hands on and safe turning by the members. We plan to have a different room set up, so please bear with us in the experiment.

Thanks to John O'Neil on the video/audio. Some members after the last meeting stopped me and just wanted you to know they appreciate all your work and the Crimora audio ghosts will be conquered.

Have fun and turn safely!!!



Dennis Hippen, Vice President

(Editor's Note: Sorry Dennis this is the only decent picture I have of you.)

The next club meeting will be Tuesday, May 15, 2012 from 7:00 pm to 9:00 pm. This meeting will feature a multi-station session with Elbert Dale (Skew), Andy Rhodes & Brice connley (Green Bowl Turning), Betty Gruber (Pn Turning), and Rolf Gebel (a Surprise). Bring items for Show & Tell, and names will be drawn for the gift certificate giveaway. There will be a Silent Auction, and the Club Store will be open.



April 17, 2012 Minutes
Crimora Community Center
Central Virginia Woodturners Club (CVW)

Officers

President:	Tom Evans
Vice President (Programs):	Dennis Hippen
Second Vice President:	Nate Hawkes
Treasurer:	Richard Landreth
Secretary:	Jim Oates

Key Functional Support Offices

Librarian:	Hal Green
Video Crew:	John O'Neil
Newsletter Editor:	Dennis Martin
Web Master:	Tim Quillen
Store Manager:	Kirk McCauley
Food Coordinator:	Dick Miksad

OFFICER'S REPORT

Attendance: 44

Guests:

Scott Childress
Dale Winburn

The following officer was not in attendance:

Tom Evans, Nate Hawkes, Kirk McCauley

The General Meeting:

Dennis Hippen opened the meeting promptly at 7:00 in place of Tom.

Richard Landreth gave the treasurers report summary and reminded all that dues were to be paid this month or you will be moved to the inactive list. The current checking account balance prior to the meeting is \$1434.00.

Dennis pointed out the very nice article about Andy Rhodes turning in the Staunton News Leader

New members and visitors were welcomed. Dennis introduced Dale Winburn, from Culpepper, who is a member of the Mt. Jackson Club as the demonstrator for the August meeting when he will demonstrate pepper mills made easy.

The newsletter copies have been submitted to AAW for the newsletter competition – a sure winner.

More wood is available At Denny Martins and Charley Conner's farms, which include Box Elder, Jackson Prayer Tree, Black Walnut and Silver Maple that have been collected by the club members at various times. You are encouraged to obtain some of this very nice turning stock.



Claro Walnut Burl, by Odie (<http://www.picturetrail.com/taipan22alpha>). Picture found on AAW web site (<http://www.aawforum.org/photopost/showphoto.php?photo=10411>)



CENTRAL VIRGINIA WOODTURNERS CLUB MONTHLY FINANCIAL REPORT AS OF : 3-25-2012

\$1,434	OPENING BALANCE	
	REVENUE/DEPOSITS	
	\$75.00 Dues	
	Demo Entry Fees	
	\$18.00 Silent auction	
	\$435.40 Club store sales	
	Raffle	
	Change Fund	
	\$.00 Equipment Fund	
	Other (DVD Sales)	
	\$5.00 Reimbursement from Equipment Fund for new microphone	
	Deposited: 3-25-2012	
\$533.40	TOTAL REVENUE/DEPOSITS	
	EXPENDITURES	
	\$90.00 Quarterly Rent for Crimora Building	
	\$14.00 Check orders	
	\$73.50 Microphone Purchase from RadioShack by John McNeil	
	\$0.00 Club Store	
	\$12.00 Transfer to Equipment Reserve for April Dues	
(\$189.50)	TOTAL EXPENDITURES	
\$1,778	CLOSING BALANCE	Checking Account)
	Excludes:	\$30.00 Treasurer's change fund
		\$30.00 Club Store change fund
		\$648.00 Equipment Reserve Savings account
	Total exclusions	\$696.00

NOTE: Some totals are rounded to even dollars for ease of reading

Filler - I couldn't think of a thing to put in this space, but this is what I came up with. You may not have appreciated several pictures of my grandkids or the deer in the front yard...editor.

A nice web site that focuses on tools and how to make them can be found at (<http://www.laymar-crafts.co.uk/links.htm>).

David Reed Smith has an article on making a Mini-Cove Tool at (<http://www.davidreedsmith.com/Articles/MiniCoveTool/MiniCoveTool.htm>).

Videos on several wood turning topics can be found at (<http://www.woodturningvideosplus.com/woodturning-education-articles.html>).

An alternative to the Oneway Wolverine system is the Sharp Fast system that may be easier of beginners and accomplished turners to use: (<http://www.hollowfast.net/sharpfast/SharpFast%20Flyer.pdf>)

A couple of nice videos on stave or segmented turning can be found on the Fine Woodworking site: <http://www.finewoodworking.com/SkillsAndTechniques/SkillsAndTechniquesArticle>.



Show and Tell:

Members and guests are encouraged to bring their best turnings each month and to share some of the details like finish, problems or other comments. Bowls are a common item on display and they showcase the beautiful grain and figure in many woods. Some are augmented with dyes or stains, or they can be carved or embellished in a number of ways. Practical items such as lamps, pepper and salt grinders, small boxes and other items are also frequently brought in each month. The variety of talents and products are a constant amazement to anyone willing to attend. For more information about the Central Virginia Woodturners club and to view previous newsletters simply go to the CVW web site: <http://centralvawoodturners.org/>



Miles Everard – showed off two sets of lamps turned from his trademark built up stock with a variety of woods. He told a story of one customer bring a set back to him because her husband thought they looked like eyes and were “staring” at him.



Dennis Hippen - Showed the finished Barbara Dill three sided cup that she turned during her demo and he finished. He also showed a natural edge White Birch bowl and a Cemetery Maple bowl turned end grain with a Virginia quarter embedded in the center of the bottom. Nice touch for a blowout.



Dale Winburn - showed 3 tall pepper mills made from Osage Orange, Apple and one from the Andrew Jackson Prayer Tree with a black streak running the entire length. The streak was caused by a nail embedded in the tree approximately 75 years ago by ring count. He also showed an oak burl bowl from the same tree with very nice grain.





Charlie Wenzel
- showed a Box Elder pepper mill with a bark inclusion in the side and lead bullet in the bottom. He also had a three sided Zebra Wood pen which was an interesting variation of a Barbara Dill technique.



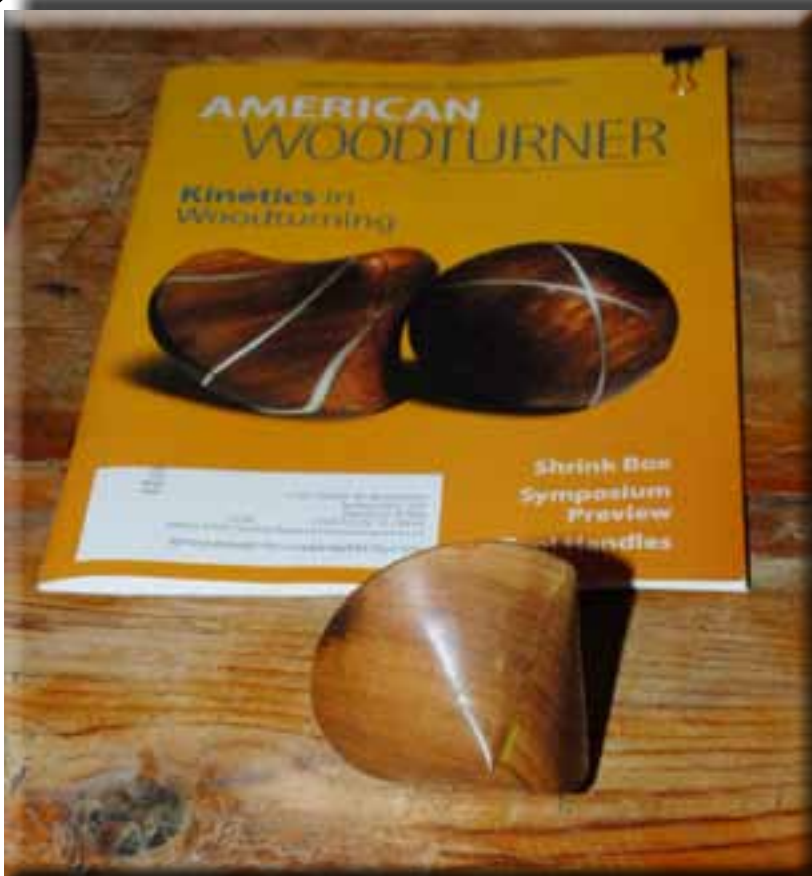
Paul Pierce - Showed a natural edge Cherry bowl, and end grained turned Cherry container and a large Cherry crotch bowl that he is in the process of finishing.

Gary Dale - showed two nicely turned Monticello Poplar bowls and a possible Beech Nut bowl that he sought help identifying.





Roger Chandler - showed a Jackson Prayer Tree tapered bowl that he had experienced severe cracking problems but had repaired very effectively.



Phil Schoner - Showed his kinetic sculpture he made prompted by a picture on the cover of a recent AAW magazine.





Jim Oates - Showed a flared shaped bowl: end grain turned by Phil Schoner that he had carved after Phil saw it cracking. The bottom is Walnut because of the delicate center filled with CA to stabilize it. He also showed a large Red Oak bowl with a carved Walnut lid.



Mal Green - had a spalted Holly bowl with lines burned in the side for decoration and a two piece desk set he had made as a gift from timber from John Brown's barn. The edges were left natural making them octagon shaped.

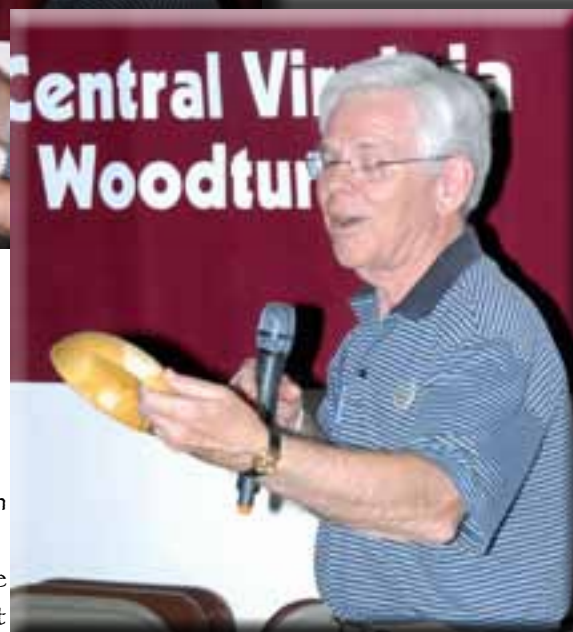


Richard Landreth - brought a beautiful Flame grained Silver Maple bowl, a spalted Holly hollow form, a natural edge cherry he defined as "an exploded cannon ball". He also showed a Monticello Poplar hollow form with very nice spalting.





Tim Kipps - Showed 2 nicely made pens of Walnut and Osage Orange and two natural edge Walnut bowls.



Ron Kapps - showed a shallow Osage Orange bowl, a Hickory platter and a spalted white Birch bowl with nice bark inclusions. All were approximately eight inches in diameter.



Charley Conner - Showed two very thin elm bowls and explained that he had used floor filler to close the open grain before finishing. This gave them a very smooth finish which is difficult on open grained woods. He also had one water-based finished Curley Maple bowl. Charlie also showed several of his attempts to use the multi-axis technique of spindle turning, which turned out to be more difficult than planned. He agreed with Barbara Dill, who gave the all-day demo the month before, that MA turning requires considerable thought and practice. However, Charlie's first attempts were impressive.



Phil Evans – showed two large, very thin, very irregular natural edge Maple bowls that looked almost impossible to turn. His two natural edge crotch grained Walnut bowls with the grain emphasized with a very smooth finish were impressive. He also showed two dyed Sycamore bowls, one blue and one brown that highlighted the grain and made them unusual. (See Phil's bowls on the front cover.....editor)



Denny Martin – brought a large natural edge Box elder bowl turned very thin but still had the bark on. He also had a smaller thin tapered Box Elder bowl. Both had very nice color that he had preserved using dewaxed shellac and Woodturner's Finish from General Finishes completed with the Beal buffing system. So far, the red color of the heart wood has remained.





The Silent Auction functions as a means for those that have too much wood to share it with those that could use pieces to turn. Maple, Cherry, Montecello Yellow Poplar, Oak, Walnut, Memosa and other species regularly are available.

Silent Auction



The bids provide additional needed income for the club. Often nice pieces sell for only \$1 - \$5. Members have a long history of sharing their valuable wood supplies.

Silent Auction:

There was a great variety of wood available at the silent auction tables but produced only \$18 in sales.

Turners Resources.....by Editor

A recent edition of AAW (American Association of Woodturners) magazine, the *American Woodturner*, provides the following in their Calendar of Events section: Sept. 15-16, 2012, Virginia Woodturners' Symposium, Expoland in Fishersville. Featured demonstrator, Jimmy Clewes, will demonstrate both days. Hands-on sessions set this symposium apart from others with 4 rotations of 12 workstations each. Attendees will receive in-depth, up-close, hands-on woodturning instruction from individual mentors. New turners welcome. Visit virginia-woodturners.com for developing information. (Repeat)

Reminder: It was proposed at the January, 2011 meeting that members with their last names beginning with A to M come early for set up, and those beginning with N to Z stay late to clean up. You are encouraged to do both.



Repeat

Wood Still Available at the Martin Farm

Turners Resources.....Continued



Stonewall Jackson Prayer Tree - A substantial amount of Prayer Tree wood is still available, and much of it is solid wood. Estimated weight 4,000 lb.



Waynesboro Silver Maple - A substantial amount of Silver Maple is still available. Pieces are as large as 4' and as small as 16". It has some ambrosia staining. Much would make excellent natural edge, bark-on pieces. Estimated weight 8,000 lb.



Grottoes Box Elder - Several nice pieces of this exceptional box elder still remaining. The red color of the heartwood is outstanding. Estimated weight 400 lb.



Amherst Black Walnut - A trailer load of Black Walnut is waiting to be turned into something useful. Recently acquired, the pieces range from about 40" to about 10". This wood had been cut some time back and the bark is slipping. Some of this wood could be candidate material for platters. Estimated weight 9,000 lb.



Cemetery Norway Maple - A few pieces of this maple are remaining. Estimated weight 300 lb.

Contact Denny Martin - Bring your own chain saw or I can assist with my Stihl. I even have a loader/backhoe to assist with moving and loading this wood. You may even be offered a tour of the farm & shop.



Matt Shapiro has shared a video on the manufacture of one of the excellent Lie Nielsen hand planes that is worth watching: http://www.youtube.com/watch?feature=player_profilepage&v=uN1c1mjQqlE&utm_source=Lie-Nielsen+Toolworks+Newsletter&utm_campaign=205249ab01-Lie_Nielsen_Toolworks_Newsletter4_16_2012&utm_medium=email

Matt also shared a .pdf file that contained plans to make a circle-cutting jig for a band saw. These very well could be helpful when trimming blanks to be turned. If you are interested send me an email and I will forward the .pdf file.

Library:

Barbara Dill donated her DVD to the club following her demonstration and the afternoon session is now available. Betty Gruber is working on the sound track of the morning session and then it will also be available.

From Fred Williamson - Fred's son Nathan works part of most of the year with Nick Nichols, the noted National Geographic photographer. Nathan has become quite a good photographer himself. I believe he is now in Kenya (?). Fred says a nice article by Nathan recently appeared in the Putney Post (<http://www.putneyschool.org/content/putney-post>). Select the "cover artist" to see the inside article about Nathan. A picture of Nathan's new home that he built is on the second page.

Lyle Jamieson's newsletter has an excellent article in the latest edition on making your own capture hollowing system. Registering also allows you access to his previous newsletters. Registration is free by going to his web site: <https://www.lylejameson.com/enter.asp> In the article he says he is more than willing to help a turner make his own system, and is willing to answer question with a phone call. Lyle has been a vendor at the Virginia Woodturning Symposium in the past. This Symposium will again be held in September, 2012.

Another web site that offers a periodic newsletter is Choice Woods (<http://www.choice-woods.com/>). They sell turning blanks and other products for the wood turner.

Buy & Sell Section

Buy & Sell Section: This space will be dedicated to featuring things that are for sale (i.e., tools, lathes, wood, turned items) or things that members are seeking to purchase. Please submit the items you wish to sell with any pictures prior to the publication of each newsletter. Because the newsletter completion date is so variable I suggest you call or email the newsletter editor with your information. Ads are usually run for two months. If you are seeking to purchase something and want to advertise in this venue please submit a written description to the editor:

Dennis (Denny) Martin, 272 Buffalo Branch Ln., Swoope, VA 24479
540-337-7716 ursus@mgwnet.com

Buy & Sell Section

Turners Resources.....Continued

For Sale – DC Powered, Variable Speed, General 260, 220 V, lathe with extension – Capacity 20" diameter by 8' Long. Everything there, everything works, condition good. Many accessories available at excellent prices. However, lathe priced with basics only as lathe offered to satisfy most capacity for cost. Asking \$1,500. Buyer to operate, examine in place and then transport from current location in Alexandria, VA. Extension easily separated to move in multiple pieces. Email owner Frank Jessup at woodatf16@cox.net.



Lathe For Sale Repeat – (From Starke Smith) Starke, I am taking your advice and making plans to get a Powermatic 3520B lathe. However, I need to get rid of the two machines I have first. If you run across anyone who wants either a Shopsmith Mark V or a Powermatic Model 45, please ask them to contact me at 'mayeralm@comcast.net' or call me at home - 540-885-6984. I will negotiate on the price for either or both. I have attached pictures in case you need them. Both are in good running condition. I re-conditioned the Powermatic (re-painted, new 1 x 8tpi spindle, new Leeson 3/4 hp motor and new belt on the step pulley). The Shopsmith includes a bandsaw and a biscuit joiner attachment plus lots of accessories. Thanks for anyone you send my way.....Larry Mayer (Gail's husband)

I called Larry and he informs me that he plans now to keep the Shopsmith, but that the Powermatic 45 is still for sale. Call him for specifics and prices.



Buy & Sell Section

From Starke Smith: A gentleman from Lexington contacted me about a lathe he has for sale and asked if we could "advertise it to our members. We have emailed back and forth for a week as I seek more facts about the lathe. The last bit of info I've requested from him was the shaft diameter and thread count. I'll pass that info along as soon as I get it. It might be of interest for someone just starting. I've attached photos. The details are:

- ◇ 46-200 Delta/Rockwell
- ◇ 1/2 hp 117/230vt
- ◇ 42" headstock to tail stock
- ◇ Includes: 20 tools +/-, 4 faceplates 2"-6", banjos (some need repair), multiple tool rests 4"-12"

Contact: Mr. Steve Charles

540-589-1498

Dance1949@yahoo.com



Contributors Section

This is a new section of the newsletter that will be dedicated to articles, emails, and topics that are provided by our membership. You are encouraged to write articles, product or tool reviews, make suggestions about club meetings or the newsletter, or provide pictures and some text about something or someone that interests you. I would be most pleased to help in any way, including the photography or writing or with suggestions on topics. Please give me a call or send an email to Denny Martin (540-337-7716 or ursus@mgwnet.com)....editor

LEGS FOR TURNINGS

by Jim Oates

Tripod feet for a turning make it stable even if the wood warps. Small, simple feet can be turned and then carved to separate them. The band can be separated by power carving, using a router table or grinding the material away and then shaping the legs as in the example below.



Figure 1

Larger pieces must be handled differently because of weight. The strength of legs declines rapidly because cross grain in a small dimension greatly reduces the strength of the leg. To improve the strength and allow longer legs, the grain must run parallel to the length of the leg. This cannot be done with the normal cross grained blank since at least one leg will be weakened by cross grain.

A complete circle is 360 degrees, so the centerline of a three legged piece will be at 120 degree intervals. As an alternate the circumference of a circle is $2\pi R$ or 2×3.14 or approximately six times the radius. Pick a point on a circle and mark the radius on it to approximate the location of each leg. Another alternate is to use a protractor to mark each location.

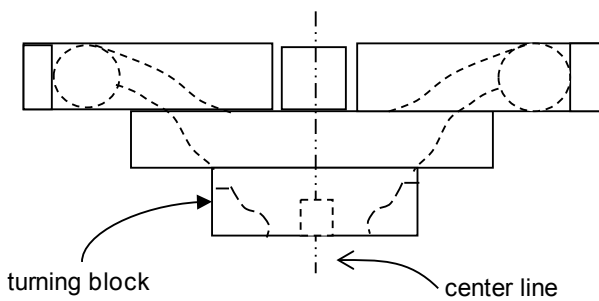
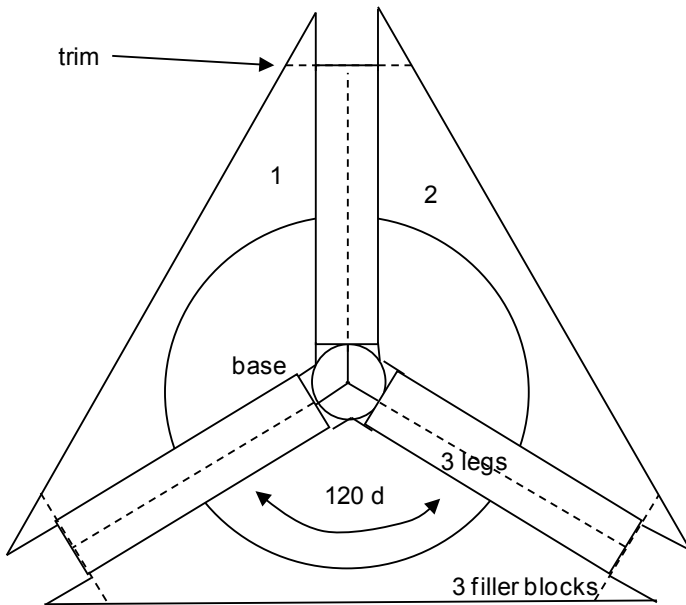


Fig. 2



Fig. 3

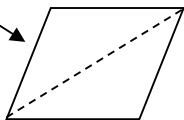
Contributors Section



MATERIALS:

- 1 TURNING BLOCK
- 1 BASE
- 3 LEG BLOCK
- 3 FILLER WEDGES

60 degree cut on equal leg lengths cut into two pieces



Nice article Jim. Great information when the bottom of the bowl gets too thin or the screw holes show, or the bowl is green and the drying is creating a lot of warp.....Editor.

Three equal sized rectangular pieces should be cut large enough to produce the profile planned for the legs. Three triangular filler pieces will be cut by setting a saw at 60 degrees to produce a 120 degree filler. These fillers will be used to prevent breakout when turning the legs. These will be attached to the circular base to form the tripod. See example in figure 2. Use good-quality waterproof wood glue such as Titebond to assemble the pieces. The legs must extend into the base equally and far enough to provide a stable joint. Establish this line by drawing a circle at this point. Glue and clamp the first leg then alternate filler blocks and legs until the circle is complete and allow to dry overnight. See figure 2. Samples of turnings completed are shown in figure 3.

After turning leg shapes the base can be reversed and the turning block can be made into a transition piece for the column. Using a vacuum chuck or tape to attach for second turning is recommended.

- 1 Dry fit spacer blocks & leg blocks and plane to locate exactly
- 2 Clamp one leg aligned to construction line and center line & allow to dry
- 3 Align filler blocks and remaining legs and clamp and glue in place.
- 4 Trim the filler blocks to the length of the leg
- 5 Determine leg shape and sketch for reference.
- 6 Attach to lathe and turn basic leg shape tapering to face of base plate and shaping the top of the leg to blend with the plate.
- 7 Reverse plate and attach to underside to shape turning block using vacuum chuck, turning tape or a screw chuck.
- 8 Drill hole for stem tendon to mount for stability.
- 9 Remove filler blocks and shape legs using a bandsaw with legs placed on the temporary surface plate.
- 10 Sand to finish or carve for additional appearance options.
- 11 Add stem and top bowl or plate and finish piece.
- 12 Leg span should be at least 80% of the diameter of the top for stability.

CBN Grinding Wheels - by Fred Williamson

Hello fellow woodturners.

I wanted to give a bit more information and opinion on the CBN wheels brought to a recent meeting. There was an article on the new diamond and CBN wheels in a recent issue, but I can't give you the number right off. As I recall there was one about 6-8 months ago, and then a followup last month.

Here is a reference to it by the actual author: <http://www.billneddow.com/articles2.html>

For some more viewpoints, check out: <http://www.woodworkforums.com/f8/diamond-cbn-grinding-wheels-147502/>

I believe there is a good thread on Sawmill Creek too, someone said.

Back in December I followed up with this site: <http://www.d-waytools.com/tools-diamond-grinding-wheels.html> and bought from D-Way. I bought the 80 grit based on his own judgment that that worked best for turning gouges. But D-Way recommended the 180 grit for skews etc.

Well, I was amazed at how well, fast, and cool the 80 grit cut. Also I was surprised at how heavy it was and how hard it was for my cheap Craftsman grinder to bring it up to speed (the grinder has since been upgraded....editor).

But there were noticeable grinder scratch marks in the metal. I assumed the 180 grit would be almost glass smooth and in the heat of the moment I ordered one of those. It is indeed finer, but it still leaves scatch marks. In one of the links above someone says in their opinion it is more of a 100 grit equivalent.

So I am using the 80 grit regularly on my freehand sharpened gouges, and have the 180 set up for the wolverine jig and for sharpening knives, skews, and other random tools (the 180 grit now has a new home in my shop.....editor).

I believe the 80 grit is cutting more smoothly now. In other words, it appears to me the CBN does wear a tiny bit, at least enough to level off some of the high spot grits. It gives a bit better cut. But it still shows no sign of wear, and chalk marks I put on it to check out where it ran best on the grinder are still there weeks later; they just don't wear away.

My conclusion is, if you are doing a lot of sharpening, and especially if you're in it for a living, the CBN wheels are very cost effective. No more time truing up the wheel, no more re-balancing once you've ground it down some. And it has a nice 1" wide totally flat surface. The only definite downside is you can't use the side of the wheel to square something off, or the edge to grind in a notch. No way. Back to the vitreous wheel for that.

Hopefully this will help some who may be considering buying one. I am not sure if the diamond wouldn't be just as satisfactory, but it appears the CBN needs less cleaning.



Fred & new grandson, Tucker



Contributors Section, Cont.

Great Place for Used Wood and Metal Working Tools

by Dennis Martin

I have been fortunate to have purchased used, often industrial grade, tools for both a wood working and metal working shop since I retired 5+ years ago. Most of these machines and tools have come from Dempsey & Co. off Broad St. in Richmond, VA. Noel Dempsey, the owner and operator purchases businesses that are going out of business or machinery that is being replaced by companies. Many of these machines have some years and some miles on them, but being industrial strength, and with some cleaning and perhaps minor repairs, they have a lifetime of great service remaining. I would encourage anyone needing or wanting good wood working machines to become familiar with Dempsey & Co.



Noel Dempsey is not only a great looking guy, he is one of the nicest businessmen you will ever meet. You will not see Noel in dress clothes, but you will likely see him working on a complicated piece of machinery or trying to find an electrical problem. He is always willing to help, and loading purchases is free. Furthermore, he is only a few miles from Woodcraft.



Charlie Conners, Jim Jones and I recently pulled my 18' trailer to Dempsey's to pick up a large DoAll horizontal metal cutting band saw for Jim. The price was great, but it needed a few repairs and amendments. While I was there I took several pictures of some of the wood working machines he had. A recent building addition has allowed Noel to store more machinery and provide more sheltered space to inspect the equipment.



Large metal-cutting band saw with auto-feed and pneumatic vises.



Dempsey has a modest web site (<http://www.dempsey-andco.com/>), but lists only a small fraction of what you will find when you visit him. He has a 90 day return policy. You can find his address and contact information on his web site.





Recently Noel had two Delta wood lathes, both in good condition. Risers could be machined and installed. With a variable speed motor these would good, heavy lathes and they cost \$100 each.



This Powermatic 81, 20" band saw is an excellent machine for a woodturner. I have one similar to it in my shop.....editor



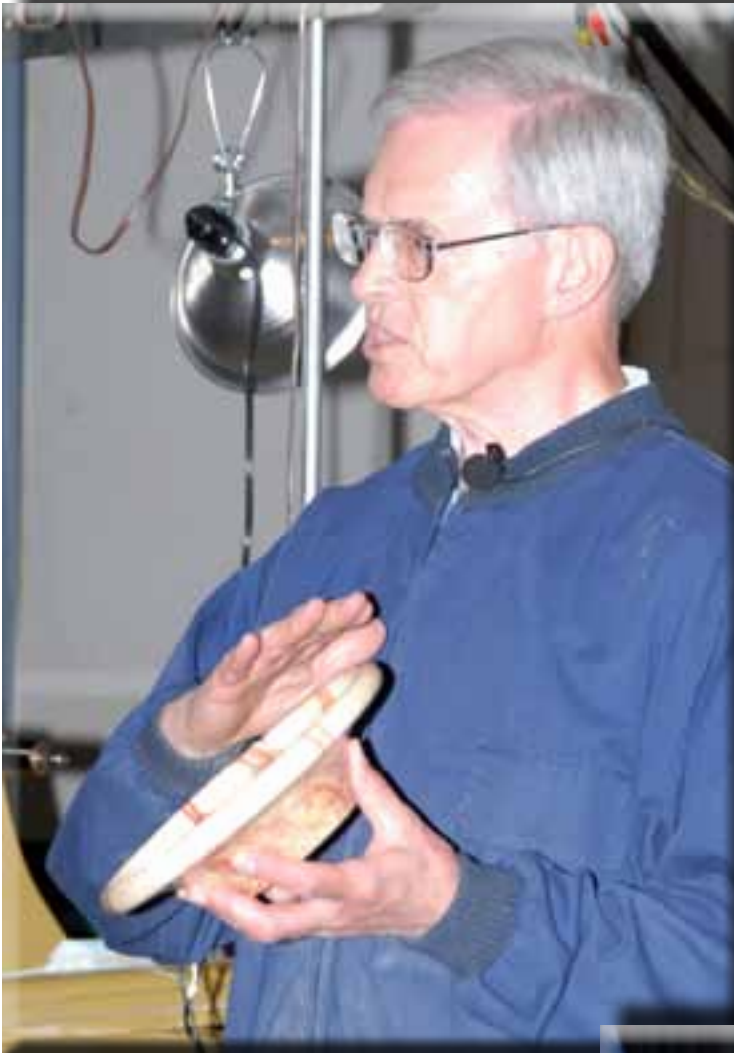
I saw this clean 14" band saw, but was unable to find a brand name. Note the compressor in the background.



Some of the other wood working machines seen at Dempsey's.



Demonstration: Don Voas - Turning End Grain



Don Voas, a member of both the Woodturners of the Virginias and the Central Virginia Woodturners demonstrated end grain turning, showing how smaller pieces of wood can be turned along the growth axis to better utilize the wood and take advantage of new and incredible grain patterns. He calls them "cookies" because of his experience in the paper industry where the end trims on paper rolls were called "cookies" and looked like the end of a log. Several cautions were emphasized for this type turning especially since the center of a tree is often "pithy" or soft making mounting between centers difficult. The center or "pith" is also often unstable and inclined to crack or warp.

Don's straw bundle was a good simulation of the grain orientation in a tree with the sap rising and descending through the straws.

Segments of the tree not normally utilized can be used as "cookies" and Don showed several examples from trunks, stumps and limbs. Limbs become eccentric because the growth rings are compressed below the pith and tensioned above, because of the weight of the limb. Stumps are unique because the root ball makes "bulls eyes" throughout the bowl.





Don brought a large assortment of bowls, hollow forms and platters made with end grain wood. Always well prepared, Don gave a smooth, well-executed demonstration. Not one of the audience threw any eggs, tomatoes or other vegetables.





Don initially mounted his piece between centers to bring it in balance by rounding it out and squaring the ends. His preferred technique was to drill a 3/8 hole at the approximate center of the "cookie" and mount to the headstock chuck using a screw adapter. The tailstock was used with a cup center to hold it in place. This portion of the process uses spindle turning techniques. The bottom of the bowl can be rough shaped working from the outside in. At the end of the process Don created a tendon at the base of the bowl so that it can be reversed on the chuck to hollow. Don showed in detail the center to edge process possible using a bowl gouge. Scrapers and fingernail bowl gouges can also be used to clean up the interior.



Don used a chain saw to trim the ends of his small log and to cut it to length for the lathe. He then drilled a 3/8" hole. He used a screw chuck adapter in his 4-jaw chuck on which to mount the wood.



Members, displaying perfect chair-sitting posture, watch as Don rough turns the outside of the piece of log that includes the pith.



The CVW audio-visual system continues to provide the audience with exceptionally detailed graphics and voice amplification, thanks to the hard work and talents of John O'Neil, Fred Williamson and others (note many members watching the screen or television as Don turns).



Note the double bevel grind on the back of Don's gouge. Also, Don is an excellent example of a wood turner that practices safety by using a face shield and a golfer's glove on his left hand, while turning.



Don uses a golf ball with a hole drilled in it to snugly fit over the end of the live center on the tail stock. He places it against the wood to maintain pressure as the piece is turned without marring the piece. The golf ball also keep the sharp end of the live center away from body parts while the turning continues.





Very light finishing cuts are made to the exterior by dropping the handle of the gouge and using the side cutting edge of the fingernail grind to make clean shearing cuts. This cut practically eliminates any tear out, leaving a smooth finish. Note the fine curls of wood on his coat and sleeve (below, left), while the material being removed as he turns more end grain wood is small chips and dust-like (below, right).





Some of the hollowing was done with a small carbide (3/16") cutter sold by Lyle Jamieson as a shearing cut. This was primarily used as a final, light cut to prepare a smooth surface before sanding.



Starke Smith was kind enough to show his large boring bar and a Termite tool that can be used successfully on end grain. The Termite tool comes with three tips (3/8", 1/2" & 5/8") and a unique sharpening tool. Starke says "this tool takes some getting used to, it is rather aggressive!!!". The boring bar is a versatile tool for hollowing in large or small bowls or hollow forms.



To finish the bottom of the bowl Don used his shop-made vacuum chuck and vacuum pump to reverse mount the piece. He brought the tail stock up to reinforce the vacuum chuck for making heavier cuts.



He then removed the tail stock to make the finishing cuts and complete the sanding. A vacuum chuck is a most efficient tool when finishing the bottom of most bowls. If you missed Don's demo you missed a good one.



Shop of the Month - Barbara Dill

Returning recently from Richmond (with Charlie Conners and Jim Jones after visiting Dempsey & Co.), I had made arrangements to visit Barbara Dill near Rockville. She agreed to take some cherry, ash, maple and other wood that she said she could use. We used that excuse with the goal of seeing her shop and work. Barbara gave an excellent all-day demo on multi-axis turning to the CVW club in March, and during our discussions and following emails she said she could use some wood.

Not far from I-64, Barbara lives on a quiet road with a long driveway on a heavily wooded 8 acres. Her incredible shop

is behind her beautiful home, and you walk by a small pond and her small camping trailer to reach the porch that is on four sides of the shop. This is a dream shop setting for any wood turner or wood worker.



Her well used Powermatic 3520 meets you at the door, and it is surrounded with examples of her unique multi-axis work. I saw on the late a small spiral-turned box, and on the walls were candle sticks, boxes and goblets, most of which required talent, experience, and considerable planning.

Typical of any wood turner's shop, Barbara has a band saw, table saw, drill press and a wide assortment of turning tools. A bit cluttered as all really good turners' shop are, Barbara knew where everything was and was most gracious in showing us three old coots anything that caught our eye. I was interested in the new Kelton Multi-Axis Scraper (<http://www.highlandwoodworking.com/kelton-multi-axis-scraper.aspx>), and she had both sizes of the Eliminator Carbide Hollowing Tools (http://www.packardwoodworks.com/Merchant2/merchant.mvc?Screen=CTGY&Store_Code=packard&Category_Code=tools-elim), and Barbara testified they were both good versatile tools.



Most center rests I have seen have 3 or 4 rollers, yet Barbara's has eight.



Real shops are a bit cluttered and have some shavings and dust on the floor (and other places). Clean shops are obviously the product of a troubled mind. Not unlike my shops and those of most wood turners, there is not a flat surface on which something is resting. That is just the way it is. Flat surfaces contain earth magnets.





Barbara's Powermatic 3520 appears to be an earlier model, well used and well cared for. A great many pieces of excellent turnings have been produced on it.

The Kelton adjustable scraper looks like it would be a highly versatile and effective tool (<http://www.kelton.co.nz/Kelton%20Multi-Axis%20Scraper.html>)



The spiral turning on her lathe seems to be one of signature pieces. She did say she is interested in investigating other turning challenges.



Among the many carbide-tipped turning tools on the market these days, the Eliminator Hollowing Tool has been around for several years. The 90 degree flats milled on the bottom provide an ideal angle for shearing cuts and add stability. Barbara has two sizes of this tool ad like them.



The heating system Barbara recently chose was an impressive propane radiant heater that hangs from the ceiling.



The second story or loft of her shop housed a small gallery of her work. It is clear that Barbara is a most gifted wood turner, adept at a creating bowls and spindle work of gallery caliber.



Barbara Dill is a gracious, warm and sharing lady that also is a most talented and gifted wood turner.



If you get a chance to visit Barbara and her shop you will be pleased you took the time.....editor.