



March 2006



### ***The February demo was on hollow forms by Dave Floyd.***

***By Jerry Schaible***

Dave indicated that the first method of turning hollow forms is to complete the outside to the shape desired. He turns this completely from top to almost the bottom. He stated that there were other turners that would turn only the partial outside and then work on the inside of the piece so that they could use the bulk support for the stability of the wood. He said that he found he had difficulty with the transition from one segment to the other and found that turning the complete exterior form worked better for him. In doing so, he left considerable bulk of wood at the bottom because he wanted stability when turning the interior. This heavy stock left on the base was to prevent vibration while turning. He said that most

*(Continued on page 2)*

### ***Let's talk about turning speed*** ***By David Floyd***

I've had several people question me about my turning speed since my hollowing demo on the 18th. I indicated that I preferred to run at around 500 rpm for deep hollowing. Early in the demo Hoby whispered in my ear that it might go better if I ran a little faster, and he was right in this instance. I was cutting a soft wood and a little more speed did improve the cut without causing vibration. Many of us have learned that we can get a nicer finish running a little faster because you'll be taking a finer cut as the wood goes by faster. I would just like to say to the uninitiated that the benefits of more speed are limited. At some point, there is nothing to be gained with more speed and the risks increase exponentially. Turn fast enough to get a nice smooth cut, and no faster than you need to. A good indicator that you might be running too fast is any sign of vibration. In deep hollowing, the cutting is taking place a lot farther away from the holding device than it is when turning the average bowl. Another way of putting it is that the cutting tool is getting a lot more leverage on the work piece sort of hanging out there in the air. This is more likely to cause vibration. I actually cut one 13" long vase completely in half before I knew what was happening because vibration caused me to lose track of where the tool was. Excess speed also played a part in this. I will be happy to publish other views on this.

*(Continued from page 1)*

hollowing tools are scrapers of various forms, and for that reason the finished interior will not be as smooth as the exterior.

The first thing that he does is drill a 1 1/4 inch hole with a Forstner bit, to the depth that is short of the interior final dimensions. He has seen some turners use a 5/16 th drill bit to create a hollow hole. He said that he has not had any success with that method, since when you get deeper, the drill bit wanders. Later while turning the deep interior, it gets difficult to pick up a cut because the small drilled hole is going around on an off center orbit. Dave uses 3/16 inch square bits mounted in a tool holder for the roughing out work. He uses these for the first couple of inches of turning, then switches to a larger round nose scraper to smooth out the interior and eliminate ridges or tool marks. This gets the interior pretty smooth. Then he switches back to the 3/16 inch cutter and goes a little deeper. He said that if you tried to cut out the whole interior, and then try to go back to smooth out the tool marks, the top of the piece will have moved or shifted somewhat. To touch a tool to that will cause the neck of the piece to break apart. So therefore he recommended to do interior cutting in steps of a couple of inches, to prevent that. This 3/16 inch cutter is used in a method of starting with the drilled hole wall and moving to the exterior wall. He usually leaves about a 1/4 inch wall thickness. Now to try to accurately create a consistent wall thickness, he will use a laser light connected to an overhead beam made of 3/4 inch copper pipe. He stated that provided enough stability to hold the laser steady. The key point here is that the laser is positioned 1/4 inch away from the tool cutting edge. Thereby when hollowing, you will always be able to tell where the cutting edge is inside the piece....at 1/4 inch from the ex-

terior shape. The important task here is to watch the laser light and when it moves off the edge of the exterior shape.....or the light disappears, then you stop cutting with the tool. Therefore the wall thickness of 1/4 inch will have been achieved.

Now on Dave's cutting techniques, he said that he presents the hollowing tools slightly below the center line, and with a downward slant as with any scraper. He stressed that one should take small cuts so as to not cause undo vibration. He uses the standard tool rests on his lathe to support the forward end of the boring bar and to control the height of the cutting tool. An additional tool rest was fashioned to support the rear of the tool bar in an adjustable trap consisting of two parallel bars at the rear of the lathe. The trap allows for horizontal movement of the cutting bar while preventing any vertical movement, keeping the bar parallel to the ways at all times. He waxes the surfaces of the bar and the trap so that the tool will slide smoothly. He sands the first couple of inches of the interior by hand so that he gets a very smooth finish. Then he will use a flap sander on the end of a long tool extension to go deeper into the interior of the hollow vessel. He recommends that one constantly be aware of the packed chips in the interior of the vase. If they get packed in, they will cause the tool to jump on occasion. This condition becomes worse if you are using wet wood. He stopped frequently to remove the chips with a shop vac hose. He used a large faceplate with screws that were 2 inches in length, in order to get a good hold on the base. He has also used a scroll chuck for holding the piece..

Thank you Dave for giving us a great demo on hollow vessel turning.

### ***Do You Have Overdue Books***

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

Name	Title	Date
Checked Out		
Dube, Darrell	Woodturning Design	
4/24/04		
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		
Nicholson, Walter	Turned Gift Projects - Video	1/15/05
Niehaus, Gary	Sharpening Basics-	
Spielman	No Date	
Seto, Gordon	Intro To Wood Turning	
10/16/04		
	Sharpening Basics	
10/16/04		
	Useful Wood Turning	
2/19/05		
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 Turning - 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 Soapbox***

Everything is going good after my back operation at the Cleveland Clinic on February 24th. The 6 1/2 hour operation consisted of fusing the 4th and 5th vertebrate, crushing the bone for a bone graft and roater rooting out the spinal canal to relieve pressure on the nerves. They also, installed 4 titanium screws and rods all about two inches long. The operation was on Friday sand I got home Tuesday afternoon. Have been feeling better day by day. Today after 11 days the visiting nurse will remove the staples and then I can take a shower. Yeh

I want to thank everyone who sent cards called and visited. It really felt good that so many of you were thinking of me . I also want to say that my care at the Clinic could not have been better or the people any friendlier. We really don't know how lucky we are to have one of the greatest Health Facilities with World class doctors in our own back yard.

Not driving yet, but hope to make the meeting as a non participant. I have turned the gavel to our V.P. Ben Fix, so please give him your undivided attention. At our last meeting I was glad to see all the bowls on the Project of the Month table. This months Project of the Month is candlesticks and I would like to have 100 % participation this month, so everyone bring a candlestick. Participation in the Project of the Month is how we all learn from each other and become better turners ourselves.

In closing, I would like to thank everyone for all the help I have received as President for our club. Without this help, regardless of how large or small your contribution to Buckeye Woodworkers and Turners would probably not exist. I believe we are headed in the right direction ,so lets keep the ball rolling.

Sincerely,

Larry McCardel, Pres.

### Wood Turning Library

One of the advantages of being a member of the Buckeye Wood Turners is the availability of our excellent lending library. The library was started by Don Karr in 1993 with only a few books. Over the past thirteen years a great many of the books were purchased, a number of books, videos, and magazines have also been donated. At the present time there are some forty wood turning and wood working books, twenty video tapes, and many magazines. To accommodate all of these materials we have two steel cabinets to safely store the library contents, but we will need additional storage space soon. Some word of thanks should be given to Don Karr and Marty Chapman for Their years of service as your librarians. Over the years a good number of our library books , videos etc. have failed to be returned. We encourage every one of you to look about your home and your wood shop and return any of our over due library materials at our next meeting. Please ask any of your friends who no longer attend our monthly meetings to return any of our books or materials that they may still have. There are no fines or penalties, we only want to be able to share the books, videos and magazines with other members.

If you would like to donate a book or video please bring them to the next meeting. Also, please let us know if there is a particular book or video you would like to recommend for the club to obtain.

Contributed by  
Don Karr an Marty Chapman

### Your Buckeye Wood Turners and Wood Workers News letters

Yes you receive it in the mail or download it from your computer, but do you really read it or just catch the dates to see what the demo is about? Over the years we had had and do have excellent newsletters. There is a lot of good information in our newsletters. In reading some newsletters from several years ago I found a lot of things that I never read before. There were some ideas that we all could benefit from. As something of a historian I think the Buckeye club should have a collection of all of our past newsletters. Therefore I would like to ask that any of you who do not want to keep your old buckeye newsletters to bring them in and give them to Don Karr. When I have enough for a full set from April of 1993 I will have them bound in a note book and available in the library. Any extra copies that are brought in will be available to any new member of the club. Please note the the most recent newsletters are available on the BWWT Web site.

# Turning Custom Duck and Game Calls

By Ed Glen & Greg Keats  
Published By Fox Chapel Publishing  
[www.FoxChapelPublishing.com](http://www.FoxChapelPublishing.com)

Review By: James N. Duxbury, Piedmont Triad  
Woodturners – February 14, 2006

Did you ever think that you could turn a block of wood to make it call a Duck or a Crow? Or a Goose or even a Turkey?

This book clearly explains, even for a novice turner, the art of turning and using the most basic calls. The fundamentals of lathes, tools, and materials allow turners to better understand the making of calls, but more than that, great detail has been put into the special accessories used to make each type of call. Special mandrels, collet chucks, sanding sticks, and jigs are described in detail, accompanied by clear photographs and illustrations for each.

Turning miniature items, gluing, inlays, decorating, and finishing techniques are all well covered and broaden the spectrum for almost any woodturner. However additional segments in each chapter throughout the book expand the scope of this art to create very fine calls. These calls are far beyond the calls made for the average outdoorsman to actually use. In fact many of these fine crafted calls will become collectors' items for their extreme beauty.

This book does an excellent job of not only making a specific type of call, but also explaining how to tune and use the finished product.

These calls are so advanced that you almost feel sorry for the game.

Hunters or Bird Watchers that have any interest at all in turning should get many hours of enjoyment from making and using these beautiful calls. It is quite a science and at \$19.95 I would think well worth it.

## ***Tools And Wood For Sale***

The following is a brief description of what I have for sale.. Some of the wood is quite suitable for turning. Other pieces will need to be layered up.

I guesstimate 500 board feet of rough sawn black walnut of various thicknesses and width. A couple of lengths of black walnut 5 to 6 inches square and 8 ft long. Cherry 2 by 3 inches and 4 ft long. Other pieces planned to 3 by 3 and 30 inches long. Not known what kind of wood it is. Odds and ends of black walnut and cherry. All wood for \$800

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 [dal-seave@sssnet.com](mailto:dalseave@sssnet.com) Dal Seaver

***Jet Mini Lathe, Never Used \$200.00***

***Contact Adrian Cook 330-697-8284***

***Ridgid EB4424 Oscillating Edge Belt/  
Spindle Sander \$75 cost \$250 New.***

***Contact Bill SEABOLT 330-882-3335  
lzybolt@aol.com***

## Calendar of Events

### March meeting at Y-Noah Saturday Mar. 18th

**March demonstrator** will be Paul Kosmos on Segmented Turning

**The project of the month** for March is candle sticks.

**There will be a turn and learn** after the march meeting for platters, which will then be featured as the project of the month for April.

**April demonstration** is open

**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

**Doll Lumber** has requested turnings from our members for their spring auction. Complimentary Turning blanks are available from Doll for these projects.

***Please see photos of our "Show & Tell" table at the end of the meeting minutes on page 7.***

## B.W.W.T. Officers For 2006

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## **BUCKEYE WOODWORKERS AND WOODTURNERS FEBRUARY 18, 2006**

Pres. Larry McCardel welcomed all the participants to the meeting today. He was especially see them since we have had this onset of cold weather. He had five guests stand, give their names and cities where they reside. They were welcomed to the club and encouraged to return.

Treasurer Lou Mineweaser gave the treasurers report and indicated that we had \$1787 in the treasury. He also indicated that we had patches with the club logo for anyone that would like to apply them to a cap or jacket. He mentioned to the members that the local dues were \$20 with the national AAW dues at \$40.

Don Karr gave a brief update of the books that have been acquired for the clubs library. He indicated that members may check out any book for free and then bring it back at the next meeting. He stated that there is a wealth of knowledge in that library, just waiting for members to read it.

Don also stated that Northcoast Woodturners will be celebrating their 20th year anniversary as a club. They began in 1986, about the time that the national AAW was formed. The Buckeye Woodturners were formed as an offshoot from Northcoast about a year after the club moved to Cleveland. Steve Geiger was the first president of the Buckeye Woodturners.

Dave Floyd gave a brief summary of the newsletter and asked members to send him some articles for publication in the monthly paper.

Larry McCardel brought up the possible purchase of a new bandsaw. He had checked out several woodworking places in the Cleveland area for the best price.....and found that the best price was

at Hartville Hardware in Hartville Ohio. We were interested in purchasing the Delta T 28-206 with a 1 hp motor and enclosed stand. We were quoted the price of \$587.49 which included a riser block to cut 12 inch heights and several blades. The final price was \$614.67 after taxes and some small accessories. We will be looking for a couple of club members to make a portable stand to make it easy to move it from the storage room and put it out for club use at every meeting. Larry stated that he would donate the wheels if someone would make it. Hoby Horn made a motion that we purchase the bandsaw from Hartville and the motion was seconded by Lou Mineweaser. A vote was taken by the club members and it passed. The bandsaw will be purchased next week and delivered to the club meeting room that day.

Ray Marr was thanked for his efforts in building the workbench for the club. The club had commissioned him to build one for club demos. The plans were drawn up by Hoby Horn. Several other members contributed the wood to build it and a wood vise to hold all the projects. The club is deeply appreciative of these members and all the work that they did to make it.

The president indicated that we would have the next Turn and Learn on March 18 and the topic will be turning plates and platters.

Any member that would like to sign up for the Turn and Learn sessions should sign on the yellow paper at the front table. The club projects for the month of March will be candlesticks. Bring in as many pairs as you would like to show. The project for the month of will be plates and platters, designed after the turn an learn sessions.

Ralph Kubal indicated that he found Davy Tree from Solon had been cutting down some huge Buckeye trees and he asked

them if he could cut up some logs for the purpose of donating them to the club. He was given permission and so he cut up some 3 1/2 foot diameter logs. It was determined that the tree was 117 years old. He said that there were around 15 pieces available for the club raffle. Marty Chapman spotted some box elder trees that were being cut down in Alliance, Ohio and stopped to see if the limbs could be donated to the club. A large supply of box elder was donated to the club raffle.

Hartville Hardware donated many new items for our club raffle. We would like to thank them for their donations.

The next months demo will be by Paul Kosmos and the subject will be segmented turnings.

Don Mills indicated that he had papers copied off the internet that allowed members to purchase a close quarter drill that looked very similar to the Milwaukee close quarter drill. These were considered to be knockoffs from the Milwaukee brand. They sold for \$29.95 plus shipping. Any member could contact Don for further information.

One individual stated that he was selling a dust collector. Ted Chrest indicated that he was selling some new raised panel bits and a mortising attachment for a drill press.

This months raffle collected \$140.

George Raeder took the Best of Show this month at the Show and Tell table. All members were asked to make a simple bowl to show at the meeting. George's bowl was made from Big Leaf Maple Burl and turned to completion. Then he used a series of dyes, ....first black, then deep blue, and finally red. These were sanded off in a manner to leave a percentage of

color on the piece. He used 180 grip paper to sand the bowl initially, then moved through the other grits as in 220,320,400, and then finished with 600 to get a nice smooth appearance. The finish of choice was a poly gel varnish made by General Finishes, that could be rubbed on the piece. This dries in about 6 hours. He used two coats of finish on the piece. He finished the outside and let dry, then finished the inside and let dry. He went through this in two cycles. It was a great looking piece.

### HOLLOW FORMS

The demo this month was on hollow forms and given by Dave Floyd.

Dave indicated that the first method of turning hollow forms is to complete the outside to the shape desired. He turns this completely from top to almost the bottom. He stated that there were other turners that would turn only the partial outside and then work on the inside of the piece so that they could use the bulk support for the stability of the wood. He said that he found he had difficulty with the transition from one segment to the other and found that turning the complete exterior form worked better for him. In doing so, he left considerable bulk of wood at the bottom because he wanted stability when turning the interior. This heavy stock left on the base was to prevent vibration while turning. He said that most hollowing tools are scrapers or some design like that. He said that the finished interior will not be as smooth as the exterior.

The first thing that he does is drill a 1 1/4 inch hole with a Forstner bit, to the depth that is short of the interior final dimensions. He has seen some turners use a 5/16 th drill bit to create a hollow hole. He said that he has not had any success with that method, since when you get to deep, the drill bit wanders. Later while turning



the deep interior, you will get a lot of chatter from that off center hole. ses 3/16 inch square end tools. He uses these for the first couple of inches of turning, then switches to a larger scraper to smooth out the interior and eliminate ridges or tool marks. This gets the interior pretty smooth. Then he switches back to the 3/16 inch cutter and goes a little deeper. He said that if you tried to cut out the whole interior, and then try to go back to smooth out the tool marks, the top of the piece will have moved or shifted somewhat. To touch a tool to that will cause the neck of the piece to break apart. So therefore he recommended to interior cutting in steps of a couple of inches, to prevent that. This 3/16 inch cutter is used in a method of starting with the drilled hole wall and moving to the exterior wall. He usually leaves about a 1/4 inch wall thickness. Now to try to accurately create a consistent wall thickness, he will use a laser light connected to an overhead beam made of 3/4 inch copper pipe. He stated that provided enough stability to hold the laser steady. The key point here is that the laser is positioned 1/4 inch away from the tool cutting edge. Thereby when hollowing, you will always be able to tell where the cutting edge is inside the piece....at 1/4 inch from the exterior shape. The important task here is to watch the laser light and when it moves off the edge of the exterior shape.....or the light disappears, then you stop cutting with the tool. Therefore the wall thickness of 1/4 inch will have been achieved.

Now on Dave's cutting techniques, he said that he presents the tool below the center of the inside hollow form. He stressed that one should take small cuts so as to not cause undo vibration. He uses two tool rests on his lathe. The one is to hold the front part of the tool and the other one is to hold the back part of the tool in position. He has a trapped holder, consisting of two

parallel bars at the rear to trap the end of the tool in constant position. He waxes the surfaces so that the tool will slide smoothly. He sands the first couple of inches of the interior by hand so that he gets a very smooth finish. Then he will use a flap sander on the end of a long tool extension to go deeper into the interior of the hollow vessel. He recommends that one constantly be aware of the packed chips in the interior of the vase. If they get packed in, they will cause the tool to jump on occasion. This condition becomes worse if you are using wet wood. He stopped frequently to remove the chips with a shop vac hose. He used a large faceplate with screws that were 2 inches in length, in order to get a good hold on the base. He has also used a scroll chuck for holding the piece..

Thank you Dave for giving us a great demo on hollow vessel turning.

Respectfully submitted,  
Jerry Schaible, Sec.

Photos below are of the show & tell table at the February meeting.

