

## N E W S L E T T E R



**Reminder:** The September meeting has been scheduled for the Quarterly Challenge – that is to make a turning from a tree branch no larger than 3 inches in diameter.

### *Demonstrations of August 17, 2017*

#### *Dan Luttrell - Piercing*



After Dan realized he was capable of thin wall turnings, the next logical step was to try piercing. An old Dremel bit set he had contained a carbide spiral piercing bit that he used with his flex shaft Dremel tool. Shown below, this bit is available from Treeline in 1/8" and 3/32" diameters.



Dan recommends the 3/32" dia version. The relatively low speed of the Dremel (approximately 25,000 RPM) will test your nerves as the bit will tend to follow the grain during cutting and will grab easily when the leading edge is pushed into the wood. Make your cuts using the smallest diameter of the taper to reduce the chances of grabbing. Also, make every attempt to make cuts using the bottom edge of the tool (in relation to the force applied by your hand). To try to better explain, the tool is turning clockwise; try to make your cuts in a counter-clockwise direction, preventing the tool from advancing itself, in the direction of rotation. The 3/32" diameter bit will tend to grab less than the 1/8" diameter. Hold your piece and the tool very tightly.



After experiencing a few failures due to the Dremel bit having a mind of its own and eating through the web, Dan decided to spend the money and purchase a high speed air powered carving tool. It was near Father's Day and his wife agreed, so it was time to do a little research. Dan liked the hype about the Vortex XJ-7 from The Sculpting Studio, aka Unbridled, LLC. An important feature was that it did not require oil. See a comparison of carvers at <https://sculptingstudio.com>. Well, the XJ-7 failed after a little while, due to a manufacturing problem, but was quickly replaced with the newly redesigned Vortex F-5, at no additional charge.

The F-5 is working well. At near 500,000 RPM, the 1/16" diameter shank carbide "dental" burrs just seem to melt through hard Maple. The grain seems to have no affect. The wood is somewhat vaporized instead of coming off in chips. Of course there is dust, and smoke. Use in a well ventilated area. Only about 1.5 cfm of air at a maximum pressure of about 38 PSI is required, so just about any air compressor can be used. A separate regulator is recommended.



Dan has made about 25 ornaments so far. Here are the ones he was working on at the meeting.

The 699L, a very slightly tapered spiral, about .020-.035" diameter, is Dan's preferred bur for piercing. The 171L is the same design as the 699L, just a little larger in Diameter. It is good for cleaning up edges. There are many shapes of solid carbide and diamond burs available. Some do not work well in wood, but obviously have their uses.

These high speed burs do burn the surface of the wood. He prefers to go back around the perimeter of the cut, this time in the direction of rotation, and quickly cutting the burned edge away.

Now, go do a baseball bat!



## *Ray Deyo - Jamison Hollowing System*



Ray introduced the Jamieson Hollowing System added to our lending library thanks to a donation by member Dave Thomas. Ray covered set up and use, showed how it can be fitted to mini through full size lathes, explained it is a complete system for turning up to 6" deep vessels and includes a very clear and helpful instructional DVD. All parts are enclosed in a wooden box for easy transport and the rig is ready for use. The Jamieson System was chosen for our library to support the heavy membership interest in learning how to hollow form turn.

For more information see: <https://lylejamieson.com/press/>

## *Jim Zorn - Piercing on the Cheap*



### **Building an Inexpensive Piercing Tool**

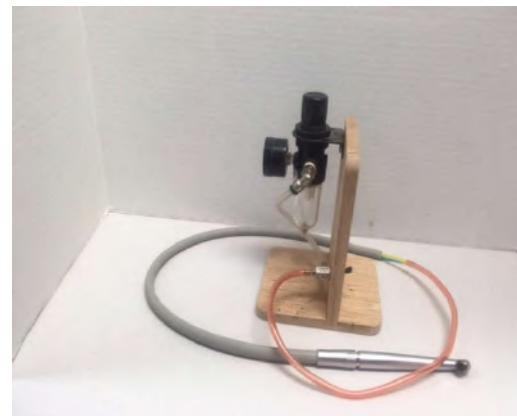
(Based on the article "Piercing on the Cheap" and YouTube video by Glynn Cox of the Golden Triangle Woodturners of Denton Texas.)

The video: <https://www.youtube.com/watch?v=lim3XWIMeso>  
Contact Jim Zorn for a copy of the article.

Here are two pictures of my piercing tool from the front and side:

In the left picture, you can see the dental handpiece, hose, pressure regular/air filter, air connection, and some miscellaneous valves and hoses.

There are a few things to emphasize:



1. When buying the dental handpiece, make sure the tool has ceramic bearings, a 45 degree head, and two air holes (2H). One with a light is also nice. You should be able to find one for about \$40. Here is an item number to search for on Ebay: 141284779345
2. To connect the dental handpiece to the air supply, you need a two-tube hose assembly. Note: When purchasing the items below, choose 1/4" NPT connections.
3. The pressure regulator/air filter assembly is about \$15 on Ebay and Harbor Freight has similar ones. Just make sure it's a **pressure regulator** and be sure you can accurately read that the pressure at the regulator is less than 40 psi. Counting a few psi drop from the regulator to the tool, this means the pressure at the tool will be about 35 psi. Over pressurizing the tool will damage it.
4. The right angle valves were purchased locally at AFP Parker Store, 1624 Ownby Lane, Richmond (804-359-0818). You can also buy 1/4" tubing there. One can also find them on Ebay or Amazon.

In the right hand picture, you can see the shutoff valve on the base of the support.

1. The shutoff valve was purchased at: <http://www.profitablehobbiesstore.com/engraving-supplies/two-way-valve-air-switch/>. I put the valve on the downstream side of the pressure regulator, so I could verify the pressure was not too high. If your compressor has an accurate pressure reading, you could put the valve on the inlet side of the regulator. Other valves will also work.

A couple of other things to note:

1. I bought my 1/16" burrs at [www.treelineusa.com](http://www.treelineusa.com). They're inexpensive (\$2.49 each), and the tech support people can recommend burrs to use, depending on the type of piercing/carving you want to do. I bought the 699 and 703 burrs. When inserting the bits, you have to press down hard on the button and push the bit all the way into the handpiece.
2. The handpiece requires about 2cfm, and the compressor should have twice that capacity for a recommended 50% duty cycle. The other option is to pierce for a minute or two and wait for the pressure to build up. My "pancake" style compressor provides sufficient air to run in this second manner.
3. When assembling the tool, I did not make the modifications to the holes in the dental tool. Seemed overly complicated and doesn't seem to affect the operation of the tool. I used the larger supply line for the handpiece and just let the smaller hose remain unused.

If you have questions, send me an email at [jimmy.zorn@gmail.com](mailto:jimmy.zorn@gmail.com)

## *Robert Gundel - Visualizer System for Hollowing*



My version of the Trent Bosch Visualizer System that I use for my Jamison hollowing system. After establishing the shape of my hollow-form I ran a forstner bit to the required depth. I then, with the use of a bowl gouge, hollow out the opening of the vessel to the desired wall thickness as far as the bowl gouge will reach.

Now turn on the monitor and camera. Position the cutter-head in front of the vessel opening. Trace the entire cutter-head on the acetate covering on the computer monitor using a dry erase pen. Draw a solid line around the cutter (i.e. 1/4 inch) or whatever the predetermined wall thickness is. Now you will be able to hollow out the vessel without having to constantly check wall thickness as you would have to do with the laser system. Obviously, you cannot actually see the cutter-head inside the vessel. What you see is the outline you drew on the monitor indicating the position of the cutter-head inside the vessel.



It must be noted that whenever you change the position of the cutter-head you must also retrace the cutter-head and cutter on the acetate overlay on the pc monitor.

Please contact Robert for guidance in setting up a system such as this.  
[robtgundel@gmail.com](mailto:robtgundel@gmail.com)

Some helpful info on the costs and suppliers:

The camera: \$22.88

[https://smile.amazon.com/dp/B019V8S756/ref=wl\\_it\\_dp\\_o\\_pC\\_nS\\_ttl?\\_encoding=UTF8&colid=2U6ZQUOHWIDSH&coliid=IYK7SEVVFQ6RG](https://smile.amazon.com/dp/B019V8S756/ref=wl_it_dp_o_pC_nS_ttl?_encoding=UTF8&colid=2U6ZQUOHWIDSH&coliid=IYK7SEVVFQ6RG)

Power for the camera \$9.99

[https://smile.amazon.com/dp/B01GO96A54/ref=wl\\_it\\_dp\\_o\\_pC\\_nS\\_ttl?\\_encoding=UTF8&colid=2U6ZQUOHWIDSH&coliid=I1OQ2HXGOOXQM4](https://smile.amazon.com/dp/B01GO96A54/ref=wl_it_dp_o_pC_nS_ttl?_encoding=UTF8&colid=2U6ZQUOHWIDSH&coliid=I1OQ2HXGOOXQM4)

Connector to put the two together (there is also a 6' version if that would be better):  
\$5.85 [Hosa BNC-59-103 BNC to BNC 75-ohm Coax Cable, 3 feet.](#)



RioRand CCTV Camera BNC S-Video VGA To Laptop Computer PC Monitor Converter Adapter Box - Sold by: [VANCOUVER SUN](#) and [Fulfilled by Amazon](#)  
[https://www.amazon.com/gp/product/B003VJ9R9W/ref=oh\\_aui\\_detailpage\\_o2\\_s00?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B003VJ9R9W/ref=oh_aui_detailpage_o2_s00?ie=UTF8&psc=1)

Seller will provide product information and answer questions.

## Bruce Robbins - Simple Hollowing System



Bruce Robbins showed off his new Simple Hollowing system made by Harrison Specialties. As opposed to the captured bar units like the Jamieson, this one works on the principle of an articulating arm. The main advantage for him is the smaller footprint of the device, though it will also fit on most any size lathe from mini to large and even has an adapter for a Shopsmith. The many degrees of freedom and fixed arm allow for shaping the outside or inside of bowls and hollow forms with more control than by hand and thus easier to obtain clean lines with fewer catches. The system comes with an optional laser for depth and wall thickness monitoring. The arm accepts tools with a  $\frac{1}{2}$ " shaft. The company sells a number of carbide insert tools in diamond and round shapes and even a curved tool for the insides of hollow forms. Bruce prefers making his own tools using steel rod and tubing to accept a wide array of tool bits, scrapers and sanding pads.

Some of the tools that Bruce has made.



For more info see: <https://www.youtube.com/watch?v=QAltXRxtq6c> and  
<https://www.harrisonspecialties.com/simple-hollowing-system-with-optional-laser/>

## UPCOMING DEMONSTRATIONS

September: Join Brian Noble-Marx as he demonstrates his "kayak" or ovoid bowl. Brian is a local woodworker/turner and a regular on the demo circuit at Woodcraft.

October: Save your money!!! This month the Sorby representative will visit with the latest and greatest from one of wood turnings largest tool makers. This demo will be in conjunction to a second presentation by our resident Woodcraft store.

## STATE FAIR DEMONSTRATION

The club will demonstrate with two lathes at the State Fair, which runs 9/29-10/8 this year. The fair is held at the Meadow Event Park in Doswell, VA. It is about 1/2 mile past Kings Dominion. We will man a booth starting Friday, 9/29. The last day depends on participation, but our lathes will be in use at MakerFest on 10-7, and we probably will not go back the fair for one day after that. Our space will be in a large modern warehouse type enclosure, with very convenient parking and power. We will be located next to other arts and crafts type artisans. We'd like to have at least two demonstrators per shift. Shifts are 10-2 and 2-6 each day, but are flexible. Parking and admission are free to demonstrators. Demonstrators can sell their wares - the fair will provide three 2' x 8' tables. Contact Dan Luttrell at [danluttrell@verizon.net](mailto:danluttrell@verizon.net) to advise what days and shifts you can cover. There are still two slots to be filled, both on Thursday, Oct 5, 2-6 PM. Thank you to all for signing up.

## SHOW AND TELL

R I C H M O N D   W O O D T U R N E R S

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PHIL DUFFY, PEAR, VARNISH,  
7", PEAR CROTCH

BRUCE ROBBINS, MAPLE,  
OIL, 4¾ X 4½"



CHUCK MOSSER, MAPLE, WATCO,  
TWO HALVES OF THE SAME LOG

JIM BUMPAS, CHERRY,  
WATERLOX, 3½ X 5" AND 3 X 5",

R I C H M O N D   W O O D T U R N E R S

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BOB SILKENSEN, CHERRY, 8" TALL VASE WITH  
HUMMING BIRD, BURNED AND WIRED



JERRY FISHER, 6 PENDANTS, EACH 1¾",  
VARIOUS CONSTRUCTIONS AND FINISHES



JIM ZORN, WALNUT,  
SPALTED MAPLE, POLY



JIM ZORN, SP MAPLE, BLOODWOOD,  
FRICTION, AFRICAN BLACKWOOD,  
6"X 5 ½" HIGH

R I C H M O N D   W O O D T U R N E R S

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DOUG MURRAY, AMBROSIA  
MAPLE, POLY, 6½" X 3¼"



GORDON KENDRICK, THERMALLY  
MODIFIED RED OAK, UNFINISHED,  
6½" X 1¾"



JOANNE FISHER, QUILTED  
MAPLE, OIL, 8¼"



RON BISHOP, OSAGE ORANGE,  
LIBERON, 10" X 4", SIMPLE BOWL



BILL JENKINS, CHERRY, VARNISH,  
15 X 32" BAR STOOL



BOB MARCHESE, OAK, ASH &  
PINE, PAINTED BLACK, 36 X 22",  
SACK BACK WINDSOR

Thermally modified wood is wood that has been modified by a controlled pyrolysis process of wood being heated (> 180 °C) in absence of oxygen inducing some chemical changes to the chemical structures of cell wall components (lignin, cellulose and hemicellulose) in the wood in order to increase its durability. Low oxygen content prevents the wood from burning at these high temperatures. Several different technologies are introduced using different media including nitrogen gas, steam and hot oil. From *Wikipedia, the free encyclopedia*.

AAW 2017 Honorary Lifetime Member: Binh Pho

<http://www.woodturner.org/news/360800/Binh-Pho-Honoring-his-Life-and-Legacy.htm>

More about Binh, see <http://www.binhpho.com/>

The Story Teller, by Delia O'Hara, American Craft Magazine, June/July 2016

VIDEO: Shadow of the Turning: The Art of Binh Pho, John Thornton/The Center for Art in Wood (TRT 12:04)

VIDEO CLIP: Binh Pho featured in documentary film, "Last Days in Vietnam"

FROM OUR PRESIDENT

It's hard to talk about this past month without a nod to Mother Nature. On the positive side, while most of the country was treated to at least a partial view of the solar eclipse, many ventured to the band across the country where the full effect was nothing less than spectacular. Although I only was able to watch on TV, it was also hard to contain the excitement for the brief few moments when all the worries and issues we face came to a halt as we were amazed by this natural and predictable phenomenon. Less than a week later, the wrath of Hurricane Harvey too made our old issues and worries seem minor in comparison to what those in the path had and will have to deal with for a considerable stretch. If that wasn't enough, Irma really did a number on the Southeast. Our thoughts and prayers are with all the affected and we hope for a speedy and robust recovery. May the trees that fell in the storm be turned in works of art and utilitarian pieces to replace the loss of many treasures and provide some comfort to the suffering.

Though not always in our stream of consciousness, we as wood turners get to deal with the whims of Mother Nature each time we step up to the lathe. Beautiful grain patterns from growth rings tell the story of years of weather patterns. Burl initiated by insects, mold or injuries often are the most sought after lumber to turn into luxury items. Trees that die of old age from our farms and homes are often saved from the wood pile and converted into family heirlooms. Yet all is not glorious with this Lady. As these wooden structures grow, they are filled with water and stress, soon to be checks and cracks that test out patience. Or the piece that appears gorgeous as a blank canvas only to appear too plain when turned to size. Such are the ups and downs of our craft as we place the good on the mantel and the bad can still keep us warm on a cold night.

Lastly I cannot close without mentioning the loss of one of my personal favorite wood turners, Binh Pho. I met him briefly when the AAW symposium was in Richmond, was immediately drawn to his work and feel fortunate to have purchased his book and have him autograph it. I only own two woodturning DVDs and both are his. Each time I turn something thin or pierce something, his image comes up. He is not the only one to turn thin, pierce, or airbrush, but in my opinion, the best. RIP.

Happy and safe turning,

Bruce

PS: Please be reminded that the September meeting has been scheduled for the Quarterly Challenge – that is to make a turning from a tree branch no larger than 3 inches in diameter.

FROM OUR PENTURNING FRIENDS

Our September meeting started off with a demo by Phil Duffy on leather pen pouches. Phil described the different kinds of leather, how to punch holes, glue and sew them as well as how to emboss with tooling.



The highlight of the evening was a presentation by Mark James who is making a tour of the east coast with the IAP (International Association of Penturners) pen collection. Mark hails from Ohio and curates the collection. These 50+ pens are from some of the best pen makers around the world and include many contest winners from regional gatherings and international events. Close-ups of these can be seen at this link: <http://www.penturners.org/forum/collection.php>

Following the presentation, Mark guided us through a technique he has developed to make chevron inlays in pen blanks.



## UPCOMING EVENTS

Sept 29 - Oct 8, 2017 – State Fair of VA Richmond Woodturners will have a booth with live demonstrations – See Chuck Horton or Dan Luttrell

October 7 - Makerfest 2017 – Richmond Science Museum – Richmond Woodturners will have a booth with live demonstrations.

Lewis Ginter Botanical Garden Dominion GardenFest of Lights,  
November 24, 2017 – January 8, 2018, Exhibition of Richmond Woodturners in Library, possible demonstration opportunity, More info below - see letter on page 19.

Georgia Wood is organizing.

## 2017 Challenges

3rd Qtr: Turn something out of a tree branch less than 3" is diameter

4th Qtr: Turn a mixed media piece (must be primarily wood but includes other media (i.e.: polymer clay, metal, glass, anything)

## Richmond Woodturners Quarterly Challenge

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

## FOREST PROJECT UPDATE

"The Forest Project will be exhibiting at Crossroads Art Center, September 15-November 5. The first opening for the exhibition will Friday, September 15th from 6-9 pm. The second opening will be Sunday, October 15 from 12-4 pm. The second opening will feature woodturning demonstrations by Richmond Woodturners. Barbara Dill will be coordinating the demonstrations.

The Forest Project exhibition is part of a larger multi-media show called "Into the Woods" which you can enter wood pieces that are not from The Forest Project. Information on how to enter work into "Into the Woods" can be found in the Crossroads Center web site at [www.crossroadsartcenter.com](http://www.crossroadsartcenter.com)

I encourage everyone to think about entering the juried show at Crossroads. I'm really proud of the work we have done together and look forward to seeing everyone at these upcoming events."

Thank you, Dawn Flores

Continued below

"Into The Woods" Juried All-Media Show Call For Entries. If your work is chosen to be in the show your work will be features during our Open House and artist reception on Fri., Sept 15 6-9pm.

"Into The Woods" is a collaboration between buyRVAart and Crossroads Art Center. The Exhibition will combine art from the Online Juried Show on buyRVAart and the All Media Juried Show from Crossroads Art Center. The inspiration for this collaboration was inspired by Dawn Flores' "Forest Project". Print Forms from this webpage: <http://www.crossroadsartcenter.com/assets/crossroadsallmediaentryform.pdf>

Dan Luttrell

## Mid Atlantic Symposium

Planning for the 2017 Mid Atlantic Woodturners Association Symposium is well underway with this year's event scheduled for October 27, 28 and 29th at the Lancaster, PA Marriott Hotel. We have a wonderful slate of professionals lined up for this event. Demonstrators include:

- Stuart Batty
- Cynthia Cardon Gibson
- Ashley Harwood
- Avelino Samuel
- Curt Theobald
- Hans Weissflog
- Jakob Weissflog

Registrations for the Symposium are now open. Please watch for future email updates, or like us on Facebook at <https://www.facebook.com/MAwoodturners> or <http://www.mawts.com/>

Looking forward to seeing you there!

Please also remind your members that we will need volunteers to help staff the event. Contact Ron Sheehan, Volunteer coordinator if you are able to help in any way. Ronsheehan39@gmail.com  
Ron Sheehan

**September Snacks & Drinks**

Georgia Wood	ice/cool器
Ron Bishop	2 liter coke
Ron Thompson	2 liter diet coke
Royal Wood	2 liter caffeine free soda
Sherman McLaughlin	2 liter Pepsi
Sherry Neff	cookies
Stanley VanDruff	chips
Steve Clement	sweet snack
Steve Friedman	sweet shank
Steve Schwartz	Salty snack

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

**October Snacks & Drinks**

Georgia Wood	ice/cool器
Steve Stover	2 liter coke
Susan Hillyer	2 liter diet coke
Terry Moore	2 liter caffeine free soda
Tim Warren	2 liter Pepsi
Tom Brooks	cookies
Tom Crabb	chips
Wally Ubik	sweet snack
Aage Rendalen	sweet shank
Allen Harrell	Salty snack

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

## Visitors

Nathaniel Newcomb  
Richmond

Bill Sampson  
Chesterfield

## New/Returning Members

Tom and Fran Brooks  
Rockville

Amos Peterson  
Virginia Beach

Justin Watson  
Henrico

**Meeting Schedule**

September	9/21/2017	March	3/15/2018
October	10/19/2017	April	4/19/2018
November	11/16/2017	May	5/17/2018
December	12/21/2017	June	6/20/2018
January	1/18/2018	July	7/16/2018
February	2/15/2018	August	8/16/2018

### Elected board

President: Bruce Robbins

1st Vice President: Bill King

2nd Vice President: Georgia Wood

Treasurer: Cody Walker

Secretary John Anderson

Newsletter Bob Marchese

Resource Manager: Chuck Bajnai

Membership Manager: Dan Luttrell

Information Manager: Stan VanDuff

Past President Board Members:

Dick Hines

Lee Scarbrough

Jim Bumpas

Dan Luttrell

### Committee Chairpersons

Barbara Dill

Chairperson of the AV  
committee

Jim O'Hanlon

Chairperson for 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](mailto: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".

### Financial Report

Balance .....\$9838.56

### RICHMOND WOODTURNERS INFO

Dues: \$25 individual, \$35 family & \$15 student. Member applications are available upon request at meetings or via email. For folks joining after June dues are \$15 member/ \$25 family/\$10 student.

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](http://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 3<sup>rd</sup> 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>



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

Fax: 804-355-2532

Email: [richmond-retail@woodcraft.com](mailto: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 to have the Richmond Virginia Woodcraft store supporting us and our activities. Because of this, the Richmond Woodturners might still only be an idea.

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 and David Sterling

FOR SALE OR TRADE

David Thomas (Midlothian, VA) has not been able to turn for some time because of health issues. He is selling the following items:

Sjobergs Mobile Workstation Smart Vise No. 33274, new in box, \$75.00

Craftsman 3 Tools in 1 Router Guide Kit 309274, new in box, \$50.00

INCRA – IBOX – Table Saw & Router Table Joinery – New – Never used – In box – \$75.00

Contact his wife, Pat Thomas, at 804-744-8113