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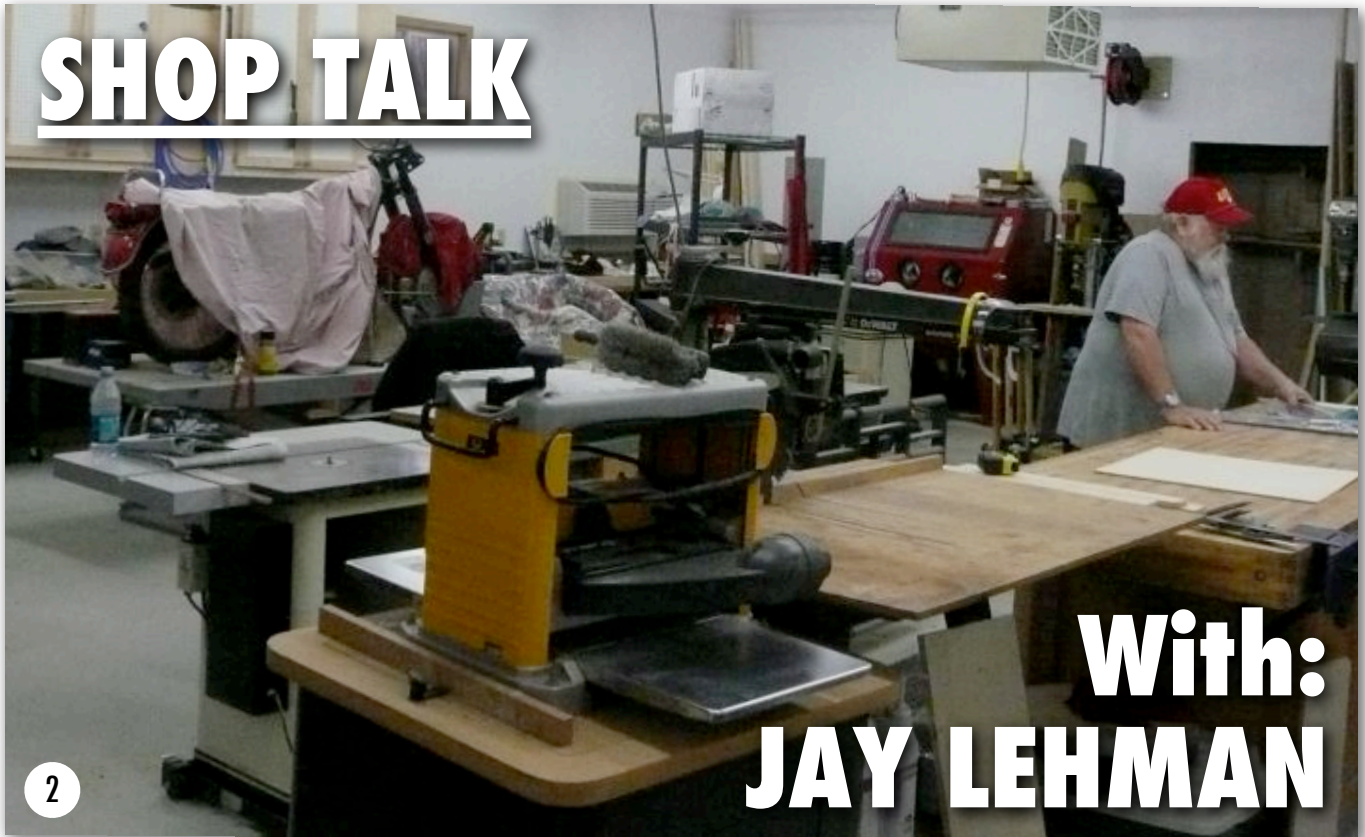
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Cover photo:
Dennis Paullus Practice Pieces

SHOP TALK



**With:
JAY LEHMAN**

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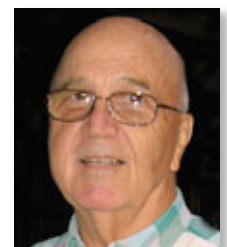


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Jay Lehman¹ is one of our most recent members. He's been an active woodworker since high school. His brand new 30' by 40' shop² is well outfitted with all the major woodworking tools but also includes a commercial sand blasting unit³. He included a full bath in one corner and an 8' x 10' office in another. The walls and ceiling are white sheetrock and with the high windows and numerous ceiling hung fluorescent lights it is a well lit workspace. The concrete floor is covered in epoxy and he uses rubber mats beside several tools. There are two doorways, one for

(cont. on next page.)

**Ray
Tanner**





3

people and the other a well-insulated garage door⁴.

Jay built all the wall mounted cabinetry⁴ himself and is now completing several full extension tool drawers⁵ beneath his work benches. He used a hand operated engine lift to hold the over-size cabinets in place while fastening them to the wall studs. Their doors are pegboard thus allowing tool storage on the surface. He heats and cools with two motel HVAC⁶ units. A separate narrow room is across the back housing his air compressor, a future sawdust collector and some wood racks. Not to be overlooked in his shop furnishings are a large screen TV, a stereo, a microwave oven, and refrigerator⁷.

Jay has a floor mounted drill press⁸ he'd like to sell and is looking for a 20" planer as well as a lathe. His heavy butcher block style workbench has two vises, one across one end with dual coupled screw closures and the other which is pivoted to allow use either horizontally or vertically⁹. His recent projects include a large flying model airplane, a full-sized canoe of western cedar¹⁰ and cribs¹¹ for each grandchild (Dennis turned the spindles for them). He and a friend are rebuilding a 3 cylinder English motorcycle.

He was born in Pennsylvania, is married and has two children. While in the air force Jay worked as an airplane mechanic and later became a pilot. Initially working for



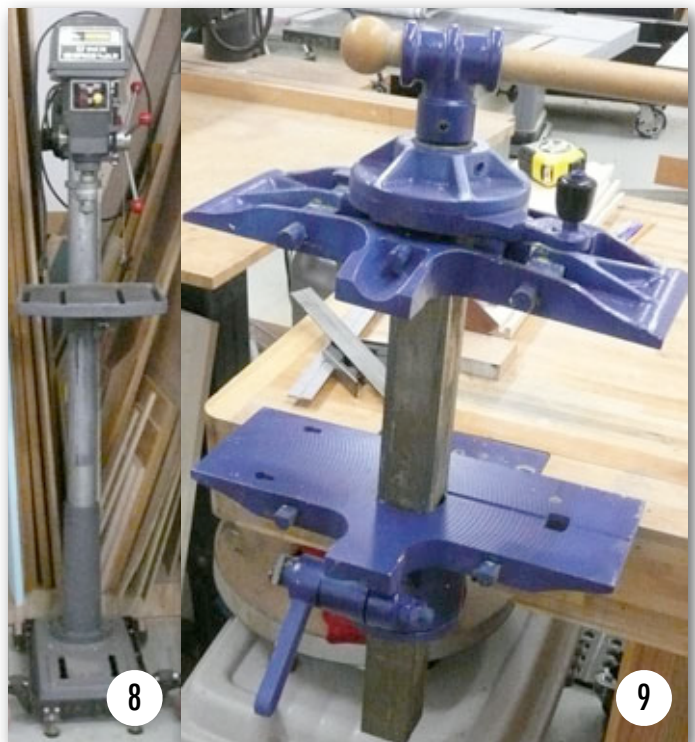
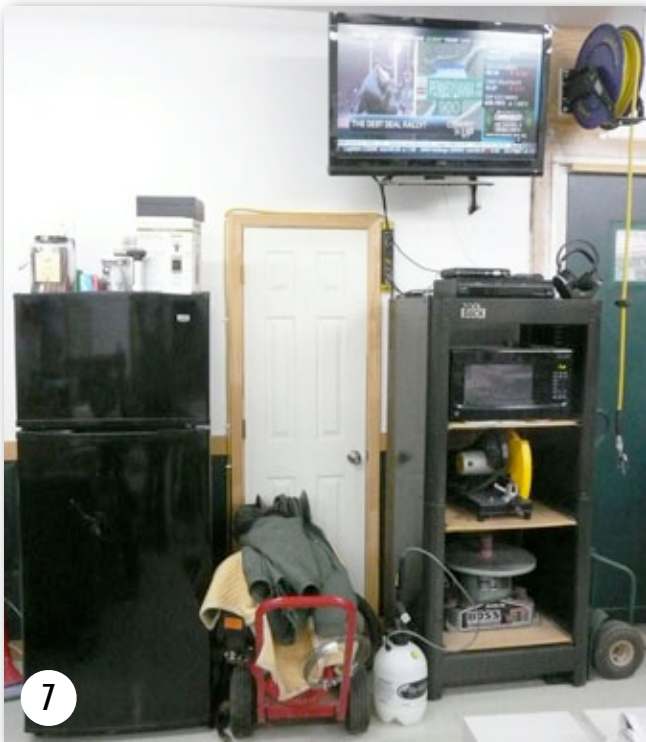
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Flying Tiger he ended his career with FedEx which brought him to Memphis.



WOOD SPIN



Glues: A Sticky Subject

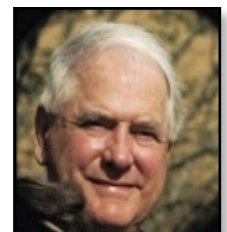
First, a disclaimer, I am not an expert in the world of adhesives but I have used and experimented with various sticky liquids over the past eight years and I did sleep in a Holiday Inn recently. More importantly, I have watched experienced woodturners choose and use different glues, plus monitoring their discussions both live and via the internet forums.

Here is the bottom line. There is no perfect glue, no one ideal adhesive for all uses. Consider some of the expectations woodturners have for their glues: to join two items permanently, to hold two pieces of wood temporarily, to fill gaps in wood, to stabilize

punky wood, and even to embellish wood by adding dyes and/or inlaying with other wood, stones, metals, etc. A few glues are marketed specifically for decorative purposes as Inlace, a colored two part epoxy resin.

(cont. on next page.)

**Emmett
Manley**



Let me provide a quick, incomplete, but practical review of the most popular glues used by woodturners. Classic wood glues began with hide glues made from cattle hides and hooves and have modernized into polymer based adhesives as exemplified by the Titebond family, cleverly named Titebond, Titebond II, and Titebond III, with II and III demonstrating more water resistant properties than the original adhesive. The Titebond company touts Titebond III as the ultimate glue for all wood to wood joints; however, there are woodturners who believe the earlier Titebond editions still possess some special attributes.

I reach for my Titebond container for much of my general gluing, including my "glue up" tasks of laminating a couple of pieces of wood. This glue is strong, flexible, water resistant, and relatively inexpensive. It may require some clamping and it will require many hours to fully cure.

Woodturners have fallen in love with the cyanoacrylate family of adhesives as these "superglues" are both strong and quick curing, especially if a catalyst is employed. The almost immediate bonding makes these glues popular in establishing glue chucks. These adhesives are extremely strong in the pulling plane; however, the molecular bond is much weaker at right angles and can be broken by a light tap. This transverse weakness can be useful when the woodturner wishes to establish a temporary bond.

An entire Wood Spin column was devoted to CA glues back in September of 2010 for those readers who want more information on this group of adhesives. These compounds differ a bit especially in their viscosities. Low viscosity CA glues are labeled "thin" and penetrate quickly into porous woods thus making them useful for stabilizing woods and retaining bark. On hard wood surfaces, thin CA compounds can be used as a finishing chemical. Higher viscosity CA glues, labeled "medium," or "thick" are useful for bonding small items and for repairing wood, especially when mixed with sawdust, metal shavings, and the like. Because of the right angle fragility of the

bond, I have become much more selective in my use of CA glues. There also seems to be more concern about the shelf life of cyanoacrylates relative to other adhesives. In addition, these glues are expensive.

If not for the expense, difficulty of use, and even the fishy odor, epoxy glues would be my favorite adhesives. The epoxy bond is STRONG. I have glued heavy metal clubheads to golf shafts and despite years of ball pounding, I never had one bond break. A torch and considerable heat was always required to melt the glue so I could remove a clubhead. If you need a bond stronger than the two components of your joint, reach for your expensive two part epoxy and go to the trouble of making the joint. Epoxy is also excellent for repairing cracks and for stabilizing wood. Add some dye (even India ink) or powdered stone, and you can convert an eyesore to an attraction.

Just a word or two about a glue which has been disappointing to me -- the original Gorilla Glue, which is a polyurethane compound. This stuff bubbles up and expands to 3-4 times its original volume and it will fill a space with hardened bubbles, a matrix which does not seem very strong to me. Subsequently, the Gorilla Glue company has introduced many other glues, including basic wood glues, epoxies, and CA glues, all in an effort, I suspect, to make everyone forget about the original formulation which is still around and may be useful when gap filling is required.

There are many special use adhesives and we won't go far into that world. I will mention one adhesive that I use, and that is a silicone gel to affix mirror glass to wood when fabricating hand mirrors. Liquid Nails silicone adhesive is a commercial example of this product. Actually, the silicone gel is probably identical to silicone caulks and caulk is a lot less expensive than the small tubes on a per ounce basis. However, it is cumbersome and wasteful to use a caulk gun when all you need are a few dabs of silicone on a single mirror body. If I were

(cont. on next page.)

in a production run, it might be practical to use a caulk gun; otherwise, the small tubes are convenient and not expensive on a per mirror basis.

Finally, don't forget about hot glues. I rather like working with hot glues except waiting for the glue gun to heat up. I won't go to the trouble of setting up the system just for one application, but if I have need for 5-10 temporary glue jobs (small off center turnings, small glue chucks, etc.), I heat up the glue gun. Once you are rolling, it is quick, cheap, even fun to dab the hot glue onto your wood surface, mash the wood together and feel the curing taking place beneath your fingers.

No one glue is perfect for all woodturning applications as cost, ease of use, curing time, holding power, water resistance, and perhaps other characteristics will need to be considered. Have fun with your decisions.



A Little Humor: A Man and His Toys



The President's Corner



We started collecting bowls for the Memphis Empty Bowl Project last month, it's a start, however we need more members to step up and contribute. Remember it's a cereal sized bowl, doesn't have to be fancy. In addition, while you're in a giving mood we will also be collecting art type objects so they can be auctioned off at their banquet (proceeds going to this worthy cause). The deadline for turning in these bowls will be at our meeting this month so help me out and bring in a bowl or more. To start off this collection drive all the BOD members have pledged to bring in at least one bowl so now it's your turn.

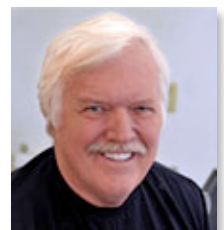
This month we are privileged to have Frank Bowers from Atlanta for an all-day demo. I had the pleasure of spending a few days with Frank in Atlanta recently in a class room environment. Frank has literally taught hundreds of turners at places like Woodcraft and Highland Hardware. Bring in some lunch money and plan on spending the afternoon with us as well.

So how do we exactly go on to improve our woodturning skill set? We can either do it by ourselves or with others. For those wanting to teach yourself there are numerous woodturning books and DVD's, many of which we have in our library at no cost to you. Another great source for technique and projects is the internet. Try going to the Youtube web site and enter "woodturning" into their search engine. You will be amazed at how many woodturning related clips they have.

A more structured and goal oriented path with others, also trying to improve their skill set is via a school that teaches woodturning. Here are some to consider in no particular order: John C. Campbell

(cont. on next page.)

**Skip
Wilbur**



Folk School, Arrowmont, Mark Adams School of Woodworking, Arkansas Craft School and Appalachian Craft School. Check them out on their web site, they have a detailed description of the class and goals they will achieve. I would argue that these schools are a great way to spend a vacation in full immersion for the week all along sharing your learning process with others and having fun in doing so. If you have any questions about any of these schools chances are we have someone at our meeting who has been to the one you are interested in. Well that's it, I can provide you with the information and hopefully some motivation, however it's up to you to turn on the lathe, stand in front of it and enjoy.



MEETING MINUTES



Call to Order: 9:00 AM

Skip, Wilbur, president

January 22, 2014 Minutes - Approved

Treasurers Report:

Matt Garner, treasurer

Checking Account	2187.31
Joan Kelly Fund	1150.94
Education Fund	3306.30
TOTAL	6644.55

Complete report attached.

Items received from treasurer after meeting:
18 blank tool rods available at meeting sold for \$90

Raffle gross was \$18

Four members renewed membership

We have: 50 \$10.00 gift certificates from Craft Supplies

2 \$10.00 Choice Woods gift certificates

3 \$20.00 Packard gift certificates

Tennessee Association of Woodturners Symposium

Attending members reported excellent event
 24 Mid-south Woodturners Guild members attended

Recognitions

Jeff Brockett reported his interest and participation in the program Narrow Gate, a program designed for young men needing occupational support and encouragement. Jeff can provide information on how to get involved.

Keith Burns and Larry Sefton – both had articles in the AAW magazine

Glenn Alexander had an article in Woodturning Design

Tips

Mike Maffitt demonstrated an inexpensive way of using computer to determine the wall thickness of a hollow vessel.

Dennis Paulus demonstrated a way of using PVC pipe to increase the depth of a vacuum chuck.

Glenn Alexander demonstrated how the point of tail stock live center can break wood on the lathe.

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**Wright
Pillow**



Empty Bowls Project

Bowls will be collected at the March meeting. Every member is encourage to bring at least one bowl for this hunger project. Members should bring multiple bowls if possible.

Mentoring Program

The Board of Directors has put the Mentoring Program on hold for now. Those needing help with any aspect of turning should contact the President.

Upcoming Demos

March – Frank Bowers from Atlanta. This will be an all-day demonstration and focus on green wood natural edge bowl and spindle work.

April – Dennis Paulus will demonstrate his acorn boxes.

May – Pete Wiens from Nashville will demonstrate a wide rim bowl with embellishments.

June – Rick Gillespie – surprise egg.
July and August – Air Brushing
September – open
October – October Fest – John Lucas has been invited.

November – open

Demonstration

Mike Hunter with Hunter Tools demonstrated his newest line of carbide tools. Following his demonstration, he made his tools available at a discounted price to members of the Guild.

After the presentation of the instant gallery, John Lucas continued the demonstration.

Instant Gallery Critique and Raffle**Adjourn – 11:30 AM**

EMPTY BOWLS



INSTANT GALLERY



BILL BLEAU



DENNIS PAULLUS
Offset turning pieces.



JONAS NEMANIS
Pecan hollow form.



CHAD DAULTON
Curly Maple Garlic Smasher.



KEITH BURNS
Maple hollow form.



LARRY KING
Cedar lidded box.



MARK MAXWELL
Offset Tuned Cherry and Oak
Candlestick set.



SKIP WILBUR



SKIP WILBUR
Ash Hollow Form.



SKIP WILBUR

Upcoming Demos & Events

- March, 2014 MSWG

- **FRANK BOWERS** from Atlanta. This will be an all day demonstration and focus on green wood natural edged bowls and spindle work.

- April , 2014 MSWG

- **DENNIS PAULLUS** will demonstrate his acorn boxes.

- April 4-6th, 2014

Southern States Woodturning Symposium

Online registration is open for Southern States Woodturning April 4, 5 & 6, 2014 at the Clarence Brown Conference Center in Cartersville, GA. Featured demonstrators are: Mike Mahoney, Dennis Liggett, Trent Bosch and Jimmy Clewes. You can register at www.southernstatesmyposium.org. You can also send your registration to Nick Cook, Southern States Woodturning Symposium, 585 Cobb Parkway South, Suite I, Marietta, GA 30060.

- May, 2014 MSWG

- **PETE WIENS** from Nashville will demonstrate a wide rim bowl with enhancements.

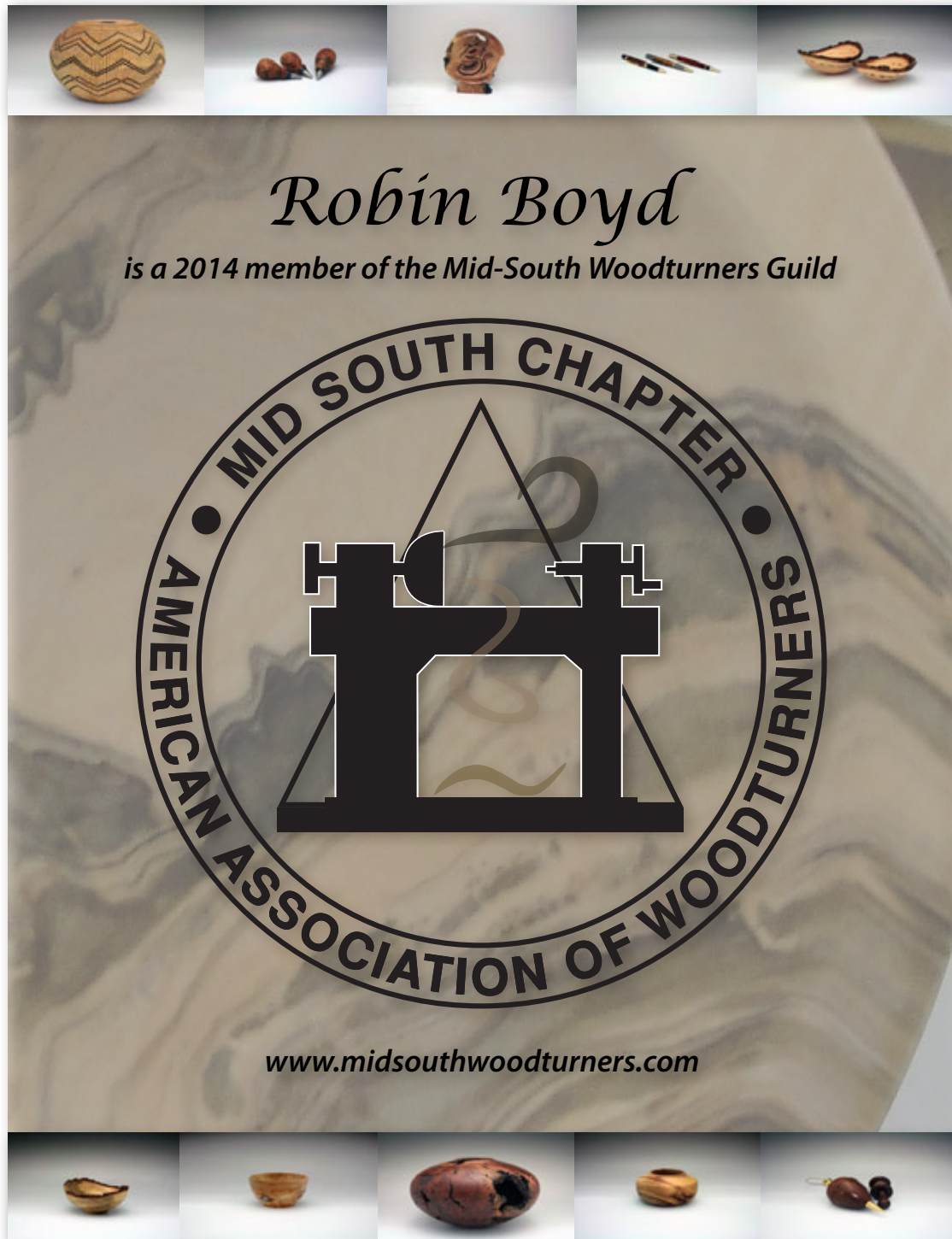
- May 4-7, 2014 MSWG

- Memphis Jewish Community Center Gallery and Show.

- June, 2014 MSWG

- **RICK GILLESPIE**





“You may have a certificate similar to the one above with your name on it simply by emailing Robin Boyd at boyd.robin.1@gmail.com. Tell him the exact spelling you want on the certificate and he will send one to your email address which you may then print in whatever size and color you wish. This may then be framed and hung in your shop, if you wish.

There is no charge, Robin volunteered to do this and the Board of Directors of MSWG approved it.”

The Woodwork Shop, Inc
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 Bartlett, TN 38133



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