

Northern Woods

The Newsletter of the Minnesota Woodworkers Guild, Est. 1982

Volume: 141

Issue: October - November 2012

President's Notes

Charlie introduces the Minnesota Woodworkers Guild Hall of Fame award and announces the first recipient.

[Full Story](#)



August meeting: Woodturning with Tim Heil

Tim Heil made a joint presentation to the Minnesota Woodworkers Guild and the Minnesota Wood Turners Association.

[Full Story](#)



September Meeting: Lathe Free Woodturning

Richard Tendick didn't want to let a little detail like not having a lathe keep him from turning bowls. With a table saw, a few jigs and a new way of thinking about turning, he developed a method to make bowls without a lathe.

[Full Story](#)



What's On Your Bench?

Visitors to the 2012 Northern Woods show approached Guild member Ed Neu, who had items on display, about commissioning him to build a very large dining room table. See the nearly finished project and learn about some of the challenges Ed faced in building this beautiful piece.

[Full Story](#)



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Classifieds

Advertising in the classifieds is provided to members of the Minnesota Woodworkers Guild free of charge. Ads placed should be for goods or services of general interest to the woodworkers who make up the guild community. Ads for services will run until cancelled. Other ads will run for one issue unless renewed. Submit ads to [Jerry Beutel](mailto:Jerry.Beutel)

Shop Closing

My mother owned an antique shop in Minneapolis for over 30 years. She specialized in American primitive furniture, pine, butternut, etc. She and my father repaired and restored items to sell in the shop. Over the years, they amassed a very large collection of furniture in the rough--there are still church pews, cupboards, chairs, etc.--furniture parts, such as table legs, door, and cabinet doors, as well as large amounts of lumber of various dimensions and types--breadboard style slabs, full-cut lumber, turned and decorative parts, etc. It's mostly old, cured pine and some butternut and other wood types. All of these things are housed in a huge barn, and my Dad's workshop is full of small wooden items such as dowels and trim pieces. We are looking to sell all of the contents to one buyer. For additional information contact: ampenaz@gmail.com

Exhibitors Wanted

Announcing CAFE: Chicago Art Furniture Expo
Friday, April 19 thru Sunday, April 21, 2013.

The Donald E. Stephens Convention Center
9301 West Bryn Mawr Avenue
Rosemont, Illinois

Chicago Art Furniture Exposition (CAFE) is an exposition of handcrafted and small-run furniture and decorative accents. The show will feature creators of furniture, lamps, mirrors, sculpture, painting, rugs, tableware, and more, who wish to display and sell their products to devotees of handcrafted objects, architects, and interior designers and decorators.

CAFE will also support furniture makers who are just starting their careers with an Emerging Artists area. This section of the show will be open to craftspeople who have been practicing for five or fewer years. The Emerging Artists area will consist of a shared booth. Artists work will need to fit in a 50 square foot space.

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To be an exhibitor contact: Paul Segedin at 773-262-6086 or
paul@chicagoartfurnitureexpo.com

More information is available at: <http://www.ChicagoArtFurnitureExpo.com>

Tools

Powermatic 6" jointer, Model 54A for sale, \$600. Excellent condition, with extra set of knives.

Jointer is in my shop in Finlayson, MN - about 100 miles north of the Twin Cities. (Mandatory, free, shop tour part of the purchase!)

Contact: Roger Knudson
320-233-6543
rwknudson@frontiernet.net
25470 Hwy 18
Finlayson, MN 55735



Jet DC-1100C Dust Collector with 5-Micron Bag Filter and Dual Ports for \$400.00
Contact rick@thegoltzs.com

SHOPSMITH Mark 5 with attached jointer and a speed increaser that I would like to sell. Price \$2000.00 or best offer. I also have a **SHOPSMITH band saw** with power stand for \$200.00, a **ryobi surface planer** \$100.00 and a **craftsman radial arm saw** \$100.00 all immediately available.
Jerold.hahn@comcast.net

Wood

Grand Piano Lid:

Beautiful solid mahogany 5 foot grand piano lid. \$20.00. **Contact Joe @ 651 776-5374.**

Hardwoods for Sale:

Kiln dried, surfaced, straight-lined, 15/16" thick, 3'-5' lengths, 4" – 11" wide, sold as 500 pound pallets (approx. 150 board feet).

\$250 -- Red Oak (approx. \$1.67/b.f.)

\$275 -- Hard Maple (approx. \$1.83/b.f.)

\$225 -- Poplar (approx \$1.50/b.f.)

End Trims, kiln dried, surfaced, straight-lined, 15/16" thick, less than 20" lengths, 4: - 11" wide, sold as 200 pound pallets (approx. 60 board feet).

\$50 -- Red Oak

\$60 -- Hard Maple

\$40 -- Poplar

**Contact Phil Ayotte, Northland Forest Products, Inc. Shakopee, MN
612-353-1928**

Premium Red Oak. I have the following red oak available (in Minneapolis):

(9) 1X6 16'

(1) 1X6 11.5'

(1) 1X6 10'

(1) 1X8 16'

(1) 1X8 11'

(2) 1X10 13'

(4) 1X10 12'

\$750.00 Call **John 612-743-0986**

Walnut \$100. The main piece is 3.25" x 8.5" x 8.5' long. Also included are these smaller pieces: 4 @ 2.75X.75X17 inches, 8@ 1.75X.375X17 inches, 1@ 2.75X.375X10 inches, 1@ 2.75X.375X12 inches, 1@ 2.75X.5X10 inches. All for \$100 alans@att.net

Red Oak Timbers. I am a Sawyer, I have recently started to cut up some Red Oak Timbers that have been down for approximately four years. I'm interested in selling the slabs, they are 1" X 16" X 10'. If you are interested, you can contact me at: kattermaggie@comcast.net 763-443-2628

Veneers and marquetry tools. Variety of marquetry tools(including a press) and veneers for sale. A list of veneers follows: Rosewood burl ,African Mahogany, East African rosewood ,Rosewood ,Premium Walnut ,Olive ash,White Oak, Red Oak,Poplar Birch,Sycamore,Dyed Black, Hare-wood Maple,Walnut,African cherry,Aqua Birdseye,and Dyed green. Any halfway reasonable offer will be accepted. Private party. Contact surselyd@msn.com

Shop Space

Shop space at 11490 Hudson blvd Lake Elmo. Three 2400sq.ft wood working bays available in Lake Elmo off of Manning ave and Interstate 94. Piping for pressurized air, heavy power, ventilation and an interior drive in so you product will never get wet. Great access to Interstate 94. The whole complex is either wood working shops or a pallet company so you never have to worry about running your equipment. \$850. Contact Chad at chad@javaprop.com

The Mill is a new educational industrial arts/maker space in Minneapolis, Minnesota that celebrates the do-it-yourself culture and creative communities by providing members with access to tools, equipment and instruction. From woodworking to metalworking and electronics, members of the Mill will work on individual or collaborative projects in a well-stocked, industrial grade fabrication workshop. The Mill offers a unique solution to address the knowledge, space, storage and social constraints of building projects at home.

The Mill is community resource. Beyond its identity as workshop, the specific purpose of the Mill is to encourage technical, scientific and artistic skills through individual projects, social collaboration and education. The Mill is conceived as an infrastructure provider for technical-creative projects. We will also fulfill our role as a community resource by hosting classes in a number of areas including electronics, woodworking, digital fabrication, metal fabrication, artistic use of industrial equipment and any other skills that our members or guests are willing to share.

The mission of the Mill is to serve as an incubator of ideas; to foster a collaborative community where members utilize industrial arts concepts, cutting edge technology and time tested fabrication equipment to create innovative solutions to technical issues in fabrication and making. Through classes, group interaction, and an inclusive environment, the Mill is a space where innovation and creativity can be fostered for novice and expert alike.

www.mnmill.org

The Mill

2300 Kennedy St NE

Suite #130

Minneapolis, MN 55413

Dream Workshop Space for rent /to share (several areas to pick from): 2303 Kennedy Street NE. 4500 s.f. total shop space. Industrial building with mushroom pillars. 12' high ceilings and concrete floors. 10 hp Quincy air compressor. Heavy power - 3 phase and single phase. Private build/work space. Heat/electricity included. Loading dock. Easy parking. Spray booth available on second floor. Room for your own tools/machines. Internet available. Southern exposure/natural light. Many possibilities for the serious hobbyist or professional. Affordable. No curfew.

Optional use of Altendorf sliding table saw, 10" Unisaw, Holzher edgebander, edge sander, pocket drill, system drills, pallet rack, drill presses, lathe, panel carts, 36" wide steel storage lockers, etc. Private office/drafting table available. Contact: **Dale 612.812.5331 for viewing.**

North Country Woodshop – Woodshop Open to the Public. The easiest way to describe North Country Woodshop would be this: It's a health club for woodworkers. But, instead of treadmills, we have table saws...instead of dumbbells, we have drill presses, lathes, joiners, sanders, and so on. If it belongs in a woodworking shop, North Country Woodshop has it. And the best part, all the tools are available to use with a simple membership to North Country Woodshop.

Have your own hand tools? Bring'em! Don't have your own hand tools? Rent ours. Our staff of veteran woodworkers will show you how to swing that hammer without hurting yourself...or others. If you need lumber for your project, but don't have time to pick it up yourself, give us a call and we will have it waiting for you when you get there. And when your project is done, we can deliver it for you as well.

North Country Woodshop offers a wide variety of classes for all levels of woodworking ability. We offer classes from beginner to advanced with a large variety of projects and techniques. Our classes are taught by our team of expert woodworkers as well as local and world renowned guest instructors. Contact info at [North Country Woodshop](#).

Space available to rent in Bespoke Minneapolis'/St. Paul workshop.

Rental costs include: full use of shop facilities, finishing room, and all utilities and trash. Shop equipment includes Altendorf sliding table saw, Format cnc shaper, Format digital 20" planer, SCM 16" jointer, Laguna cnc lathe, as well as 16" disc sander, belt sander, moulder, router tables, hydraulic veneer 4' x 8' cold press; 5' x 14' veneer bag press, Laguna 16" capacity re-saw bandsaw, Powermatic 14" bandsaw, drill press, dovetail jigs and etc. Please view our website www.bespokeminneapolis.com to see the type of work which is produced in our shop. Total rent is \$925.00 per month.

Services

Mike Siemsen's School of Woodworking. Woodworking with a hand tool focus. We have a great line up this year including some tool sharpening and tool tuning classes. Our Workbench Class was a huge success and will be offered again in the future. Take a look at my website, improve your sharpening or furniture making skills! Classes are held in my shop on a quiet rural setting 35 miles North of the Twin Cities. The shop is heated and air conditioned for your comfort year around. Reserve your spot now! Visit my [website at](#)

www.schoolofwood.com, e-mail mike@schoolofwood.com or call 651-257-9166 for more information.

Woodcraft Education Program. Located in Bloomington, we offer the Twin Cities most complete selection of woodworking classes. Our classes cover furniture making, carving, turning, hand and power tools, and finishing. We also offer free demonstrations every month. Close by, small class sizes and the best local and national instructors make it a great place to bring your skills to the next level. Website: [Woodcraft Bloomington Store](#) *Phone: 952-884-3634*.

Workbench Plans. Plans now available for Adjustable Height Workbench with a built in Mobile Base. Email Charlie Kocourek at Charlie@Jack-Bench.com or visit my [website www.Jack-Bench.com](http://www.Jack-Bench.com)

Plane soles milled flat, price ranges from \$12 for a block plane to \$40 for a #8. Sides can be milled square to the sole for \$15-\$20. Contact Chuck Pitschka at 952-935-0660, or by e-mail at cepitschka@yahoo.com

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President's Notes

Story by Charlie Kocourek

Introducing the Minnesota Woodworkers Guild Hall of Fame



The Guild is an established and dynamic organization because our membership is made up of an amazing collection of people.

I don't know the actual demographics, but I have met and talked to enough Guild members to know a few things. What I have discovered is that there is a disproportionate number of intellectuals, engineers, and artists compared to the general population. It seems to me that the Guild's membership is stronger, smarter, more interesting, and probably better looking, too! Don't you agree?

Among this amazing group of people there are a few really exceptional folks who have dedicated themselves to the organization. The Board of Directors recently decided that we should do something to honor these people. After giving it some thought we created the Minnesota Woodworkers Guild Hall of Fame.

There have been countless people over the years who would be deserving of this award. Since the Guild has been around for 30 years it would be difficult to even identify who they are. But, certainly there are people who deserve this and there is no time like the present to begin.

The Board selects Hall of Fame recipients based on:

- Volunteerism and direct contributions to the Guild
- Body of Work
- Leadership

The Hall of Fame award was introduced at the Volunteer/Sponsor Appreciation Picnic in August of this year. The first recipient of the Minnesota Woodworkers Guild Hall of Fame Award was Richard Tendick.

I don't know anybody who deserves this more than Richard! Here are a few things you may or may not know about Richard Tendick.

Richard Tendick:

- Has been a member for over 12 years
- Has been on the Board of Directors for over 11 years

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- Attends at least 90% of the monthly meetings
- Drives to the store and purchases the door prizes each and every month.
- Chaired the Northern Woods Exhibition for 6 years
- Co-chairs the Fall Seminar
- Is a mechanical genius!!
- Has several patents to his name
- Is nationally known for his countless articles in American Woodworker Magazine
- Northern Woods award winner
- Cheerfully volunteered and helped with countless Guild projects and events
- Is an all around great guy!

Please join me in congratulating [Richard Tendick](#) for earning his much deserved place in the Minnesota Woodworkers Guild Hall of Fame!



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What's On Your Bench?

Story by Ed Neu

Photos by Ed Neu

Like many woodworkers, I have more than one project “on my bench” at a time. Right now there is that small box I’ve been making out of apple wood. It’s been sitting idle for several months. I really should get back to it and finish it. All it needs is the marquetry top I’ve designed for it and it will be ready to assemble and finish. Then there are the dozen small green-turned cherry bowls sitting on the drying rack in the corner of the shop. They’re all just about dry and ready for finish turning. And then there is the inevitable family project – an “heirloom” doll-sized high chair that needs to be refinished for the granddaughter’s little friend.

The thing that is keeping me from getting them done is not a project that is “on” my bench, but one that has basically “eaten” my bench. As an outcome of this year’s Northern Woods show, I obtained a commission for a dining room table that is not only eating up my bench, but eating up all available space in the shop. I’ve even had to park the tractor outside for some time now. Between storing components and completed subassemblies, to making room for the numerous jigs needed to build it, things are getting pretty tight.

It’s a large table – actually it’s an immense table. In its “normal” state it’s a 44” x 76” double pedestal extension table. The immensity comes when all 5 of the 21” leaves are put in it, bringing the size to a whopping 44” x 181” (yes, over 15 feet)! And it’s fairly heavy, being made from solid native maple.



I obtained the maple stock, kiln dried to 8%, from a local saw mill located just a few miles from my home. Ironically, the lumber came from trees taken down

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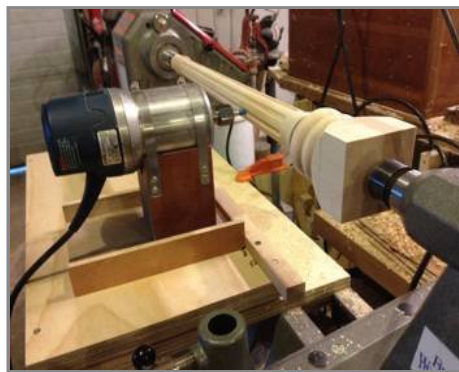
about five years ago to build the mill. I think I am doing them justice by incorporating them into this project.

I designed the table in form and finish to match the existing dining room furniture for my clients. They really liked the cherry quilt cabinet I showed at Northern Woods and felt I was the right person to make the custom table they wanted. They have a large and growing family, and host a lot of guests at various gatherings at their home, and needed a much larger table. They wanted the double pedestal design so guests wouldn't be fighting with table legs.

The table is supported by two large, 8" diameter fluted pedestals (photo below left), styled to complement the existing furniture and the table it is replacing. These are supported by some ready-made Sheraton-style reeded feet that I obtained from Adams Wood Products. I made the pedestals from hollow cores made from 2" maple stock glued up into a 6-section coopered tapered assembly. Then I mounted and turned the cores. I added the fluting with a simple jig (photo below right) I built for the lathe and added the bolt-on feet with the aid of another jig that allowed me to drill square through the base of the columns and maintain proper spacing for the hanger bolts used to attach the feet. When complete, the table and columns will be stained dark to match existing furniture and the pedestal feet finished off with some nice brass toe caps.



The two fluted leg pedestals



Jig used for fluting legs

The table top is all joined maple boards. I was able to finish plane all the planks for the top and the leaves on my 12" planer, but when it came to finishing the glued-up panels 38" and 21" wide panels, I resorted to my 60+ year old Stanley No.4 and a card scraper. A lot of sweat went into that operation.

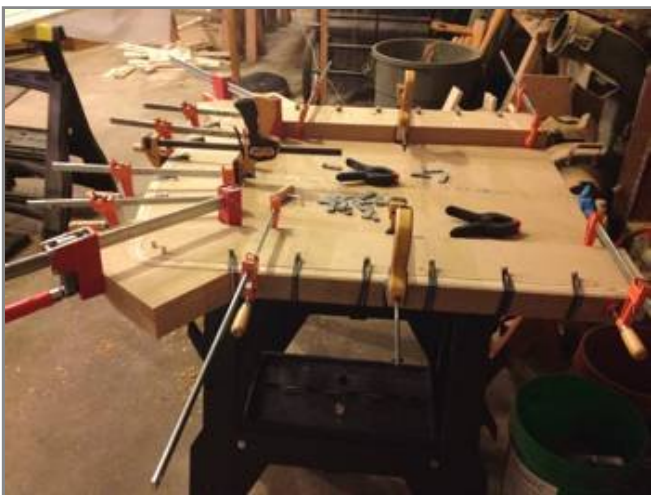
The 3/4" solid top and the leaves are dressed up with a nice 2 3/4" tall, by 7/8" thick laminated apron. The apron has a nice routed profile detail on the bottom. The overall shape of the table top is curved on the short ends at about a 60" radius, with 4" radius corners. To make the curved aprons I resorted to a laminated glue-up, using 5 each 1/8" poplar plys, faced with 2 each 1/8" maple plys. The 4" corners required the addition of kerf cuts to make the tight bend, and I even had to resort to pre-bending the outside ply with a heat gun to ensure it came out smooth. That lesson was learned after the first apron I built came out with polygon corners, not round corners. Of course, another jig was required for that glue-up operation. The old adage, "You can never have too many clamps" was proven yet again. You'll notice in the photo there are a number of rubber bands, made from an old bicycle inner tube, that supplement the gang of clamps I own.



Apron detail shown on the edge of a table leaf



Apron sections



Gluing up the apron

The table top sections and leaves are all aligned with traditional hardwood table pins – 4 across the 44” width. I made a simple jig (photo right) to allow me to drill all the holes for the pins with a hand drill. I was able to get them square and accurately aligned from each side of the table. I was quite pleased at how well all the leaves align with one another and the main top sections.

The extension capability of the table is handled by a set of purchased ball bearing-assisted maple extension slides I obtained from DutchCrafters.com. They're really beefy. Each of the two slides is made up of five sections, each 1 1/4” by 2 1/2” by 38” long. They extend to 160”, allowing the 181” finished table length. Originally, the clients only wanted 3 each 21” leaves, but when I found these slides we changed the design to accommodate 5 leaves. That created a concern whether or not that length table would be sturdy enough and might sag too much. I suggested it might need some sort of center support. Once I got the table assembled for the first time, I confirmed that. At 3 leaves it's still nice and sturdy and flat, but beyond that it needed help. At 181” it got bouncy



and had about a 1/2” sag in the center. So I designed a system of fold-down auxiliary center legs (photo below). There are two of them. They are mounted on braces under the table that are attached to the center section of the extension slides. That way, they stay centered in the table as it is extended. The legs are mounted 15” inboard of the table edge so guests don't have to fight with them when they are seated. Each leg is turned from glued-up 3” square stock and fluted to match the main columns. Actually, I just duplicated the design of the legs on the client's existing table. They are retained in the concealed position with a simple wooden toggle. When released, they fold down and are held rigidly in that position with the aid of a locking block that swings in place. All that is held securely with a draw latch. It really made that monster table solid!



Although a lot of work, all in all this has been a great skills stretching project.

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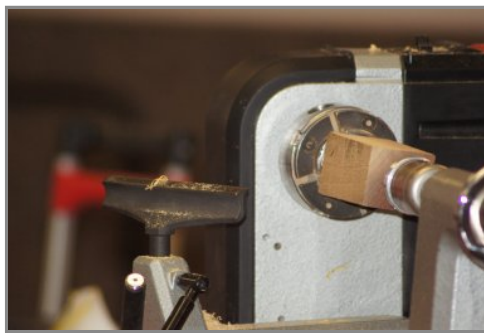
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August meeting: Woodturning with Tim Heil

Story by David Mitchell

Photos by Sam DiPasquale



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The August meeting featured a turning presentation by Tim Heil. This was a joint gathering of the Minnesota Woodworkers Guild and the Minnesota Wood Turners Association. Tim did an excellent job of covering the basics of wood turning. He also shared some of the lessons that come only with experience.

Tim's presentation consisted of three segments. In the first he discussed some of the basics of woodturning and showed us examples of his work. In the second segment Tim turned a bowl and in the third segment he turned a handle for a screwdriver. Tim has turned thousands of screwdrivers handles. He used a flexible adhesive for the ferule, and an epoxy adhesive when inserting the screwdriver shaft into the handle. He used the roughing gouge for almost all of his work. This tool is very versatile. He also utilized a parting tool and a bowl gouge.

Tim emphasized the importance of eye and breathing protection. A full face shield and a dust mask are the minimal safety requirement for turning. With proper respect and protection a lathe is a fairly safe woodworking tool. In contrast to other power



tools, such as the table saw or band saw which have sharp and dangerous cutting edges facing you, when using a lathe you hold the sharp edge securely facing away from you. Just be sure to keep the tool rest close to the edge of the wood. This reduces any chance of the cutting tool being jerked out of position or jamming into the work.

The wetter the better! Wet wood cuts easier than dry wood. After the initial lathe work, wet pieces need be left to season until dry. The only disadvantage of cutting wet wood is that the piece will warp or distort as it dries. Usually after drying you can re-chuck to the lathe to correct the drying distortion. The open end grain will dry faster than the face grain. The judicious use of wax on the open end grain will help even out the drying time and reduce drying distortion.



Generally there are two ways of turning on the lathe, spindle and bowl. When spindle turning orient the wood so that the wood grain fibers are parallel to the axis of rotation and the cutting tools are on the surface. The cutting tools are cutting long grain, similar to planing face grain. When turning bowls a combination of end grain and face grain are worked.

The pith of the tree is the central growth ring of the trunk. You do not want this in your finished product—you will likely end up with a nasty crack as the wood seasons (dries). Always remove the pith or orient your work so that the pith is in the waste area.

Tim recommended using a slow speed 8” grinder with a friable grinding wheel for sharpening turning tools.

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September Meeting: Lathe Free Woodturning

Story by Ron Corradin

Photos by Jerry Beutel

The September, 2012 meeting of the Minnesota Woodworkers Guild was held at North Country Woodshop in Burnsville.

The meeting started with North Country Woodshop president Tim Watts welcoming Guild members and explaining that the Woodshop was designed to be the shop everyone wants but can't afford. A wide variety of woodworking machines are available to Woodshop members, or on an hourly basis to non-members.



A separate section of the facility does contract manufacturing and provides a place where woodworkers can build large projects. For example, there was a huge bubinga and walnut conference table under construction. There were also large bins (4' x 4' x 4') full of 8/4 walnut left over from a chair parts fabrication project for a Swedish company. The walnut is \$4/board foot or \$250 for an entire bin. For more information, go to tim.watts@northcountrywoodshop.com, and make sure you're got someplace to store that much walnut.

Paul Hart spoke briefly about Elpis Enterprises and its youth programs in screen printing and woodworking. He said volunteers were needed to cut wooden project parts at the Elpis facility in St. Paul. More information is available at www.elpisenterprises.org.

In the Instant Gallery portion of the meeting Ed Neu showed several examples of salad tongs he made from plans in [Wood magazine](#) for Christmas gifts. Ray Ayotte brought along a set of coasters and a holder made from various wood species. More details on Ray's project will be presented in the next issue.

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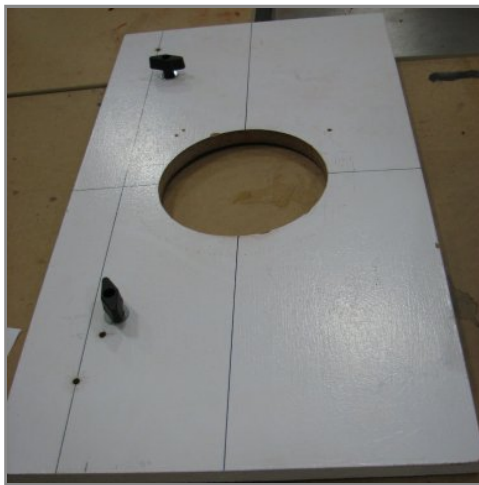
Ed Neu's salad tongs & instructions



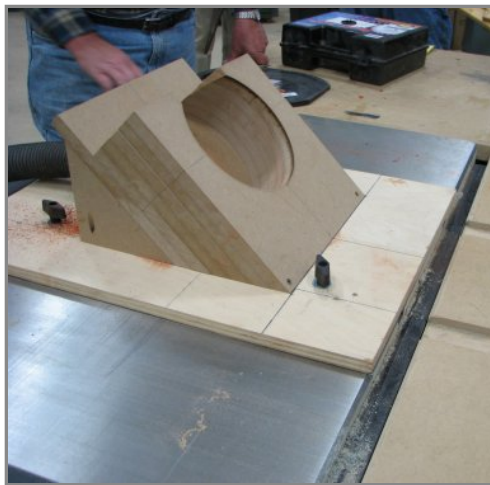
Ray Ayotte's set of coasters

In the main program Richard Tendick showed how to make bowls on a table saw. It is not an obvious technique, and while it will not replace a lathe for turning bowls, it is a new and functional way to shape and decorate a bowl. Richard also described this technique, which he developed, in the April/May 2012 issue of American Woodworker.

The key to the process is two jigs that clamp to the miter gauge slots in the table of the table saw, holding each jig in position left-to-right and front-to-back relative to the saw blade. One jig holds the bowl blank (a cylinder 8" in diameter and about 5" high) to cut the inside contours, while a separate jig holds the bowl blank to cut the outside contours. The inside contour jig centers the bowl blank over the saw blade. The outside contour jig offsets the bowl blank from the center of the saw blade.



Jig for shaping inside of bowl



Jig for shaping outside of bowl

In both jigs the linear cut of the table saw blade is turned into a circular cut by rotating the work piece above the spinning blade. The cut is deepened by raising the blade by $\frac{1}{5}$ th to $\frac{1}{4}$ th of a turn of the blade raise/lower control wheel (which translates into a $\frac{1}{8}$ th to $\frac{1}{4}$ th of an inch rise) for each subsequent cut.

Richard's first attempts with this technique used an 8" dado blade. He found that an alternate tooth 10" blade left scratches. He now uses a 10" blade with flat teeth to cut the inside diameters (ID) and outside diameters (OD) of the bowls.

To prepare the wood, Richard scraps all the wax off of the turning blank and lets it dry. He then cuts the blank into a cylinder on a band saw. Richard says wet wood does not work well for this technique – instead of sawdust he gets mush. He makes an index mark on the top of the bowl blank, or a set of equally spaced marks around the upper circumference if he wants to cut decorative grooves around the OD of the bowl.

The inside contour jig is a piece of plywood with an 8" diameter hole in it. There is some clearance between the OD of the bowl blank and the ID of the hole on the jig, so to keep the cut consistent Richard pushes the front edge of the bowl blank against the front edge of the hole in the jig while pressing down on the bowl blank.



To use the jig Richard first lowers the blade below the table top and places the bowl blank in the jig, top face down. Then he turns on the saw, and raises the blade in 1/8" to 1/4" increments, each time turning the bowl blank 360° in the jig before raising the blade again. The result is a section of a sphere cut into the bowl blank. He stops when the top rim is about 3/8" wide.

The same technique is used with the top face up to make a smaller, shallower cut to dish out the bottom of the bowl.

The outside contour jig has a plywood base with a 45° ramp on it to hold the bowl at an angle to the blade, which is raised up through a hole in the jig. An opening in the vertical rear face of the jig is for a vacuum hose.



To use this jig Richard again lowers the blade below the table top and places the bowl blank in the jig, top face up. He turns on the saw and cuts away the lower OD of the bowl in a concave curve, again raising the blade in 1/8" to 1/4" inch increments and rotating the bowl blank 360° in the jig for each cut. To avoid tear out each of the last four cuts are only 1/8" deep. Richard holds the bowl blank firmly in the jig, since tipping the blank could ruin the bowl. The bottom rim is left at 3/8" to 1/2" wide.

To cut vertical slots around the OD of the bowl an index mark on the bowl blank is lined up with a matching mark at the front of the outside contour jig. The saw blade is raised above the table surface by 1/4 turn of the raise/lower wheel to cut the slot, and then lowered. The bowl blank is then rotated by one index mark and the blade raise/lower process is repeated, indexing all around the bowl's circumference to cut all the slots.



Outside and inside views of bowl Richard made at the meeting

Richard has also made kidney shaped bowls (which required more jigs and a router) and four lobe bowls, which used the same ID contour technique but needed careful alignment. So what about safety? For both jigs the table saw blade is within the mass of the bowl blank or the jig, and is not exposed. The bowl blank is always between the saw blade and the operator's hand. Richard said he has not had any trouble with kickback. Still, the safety of this method has not been investigated, and due care must be exercised.



This technique has its limits compared to traditional bowl turning. The inside contour can only be a section of a sphere and the outside contour will always be concave. A constant wall thickness is, so far, impossible. Richard is experimenting with new jigs to gain more flexibility. But this is an imaginative technique that yields attractive bowls.

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Fall Seminar

Fall Seminar, November 2-4, 2012

Once again the Guild is making an outstanding educational opportunity available to our members. The Fall Seminar has earned an outstanding reputation for bringing in a nationally renowned woodworking expert to educate, enlighten and entertain us. This year promises to continue that tradition with a weekend seminar featuring Robert Van Norman. Taught by James Krenov, Robert is the founder, Resident Craftsman and teacher of the Inside Passage School of Fine Cabinetmaking.

In past years members have thoroughly enjoyed classes by Phillip Lowe, Thomas Stangeland, Micheal Fortune, and Garrett Hack to name just a few. Open the best woodworking magazines and these are the names you will see regularly contributing feature articles. The feedback each year has been overwhelmingly positive and we anticipate this year's offering will be equally well received. You won't want to miss it.

The reputation of the presenters has always been outstanding and yet the cost is only \$70 for the complete weekend. An outstanding value! Be sure to sign up while there is still space available.

See all the details here: [Fall Seminar](#)

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Supplier Discounts

One of the many benefits of belonging to the Minnesota Woodworkers Guild is the discounts available to members on wood, finishes, tools, hardware and more.

See the complete list of supplier discounts [here](#).

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New Members

Welcome to these new members!

Shahid Iqbal	Alan Schmidt	Gregory Horvitz
Adam Steinert	Nirmal Jain	Janese Evans
Dave Smetak	Levi Price	Jacob Carr
Jason Thompson	Jason Stahl	Gary Mager
George Seifert	Jerry Aksteter	Jesse Smith
David Focht	Paul Reinhart	Merle Martell
Jeff Firnstahl	Paul Carr	Rolf Halvorson
Amy Hubbard	Michael Pies	Keith Brown
Kevin Ferdinandt	Carlus Dingfelder	Richard Goltz
Thomas Randgaard		

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Upcoming Meetings

Upcoming Meetings:

A brief listing of planned meetings. Watch the [Guild website](#) for updates and to get a map to each meeting - and as always a Blast will go out to all members (who have signed up to receive them) prior to each meeting.

October 16th: Guitar making, George Vondriska

Location: Andover High School

November 2 - 4: Fall Seminar with Robert Van Norman

Dunwoody Technical Institute

December 12th: Build a jointer bench for \$200, Mike Siemsen

Location: Mike Siemsen's School of Woodworking, Chisago City

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