



<http://www.corridorturners.org/>

### Next Meeting

The July meeting of the Corridor Woodturners will be held at 6:30 PM on April 9th at Leisure Living Construction, 2700 Stone Gate Court in Hiawatha. John Cox will have a program on the basics of hand thread chasing. This will include the necessary tools, techniques and types of wood or other materials that will work for this purpose. The project of the Month for April is a low profile hollow form.

### Empty Bowls

There are still some bowl blanks available for members to use for the Empty Bowls project. If you take one please sign the sheet and if you are bringing a bowl made from one of the donated blanks be sure to sign the sheet so you can be recognized as one of the participants in the project. Bring any of your completed bowls to the meetings in April or May to be included in this years project.

### Challenge Project for 2015

The challenge project for 2015 is alive and well, a sign up sheet is at the sign in desk. Be sure to sign up if you are interested. A \$75 prize will be awarded to the winner chosen by lot from those entered. The entry must be something **you** have always wanted to do or try and never shown at a club meeting. The showing and award will be at the September picnic and you must be there to have a chance to win.

### Last Meeting

Last month Bruce Kruse gave a demonstration on how he produces the low profile hollow forms as shown below.



Bruce starts with a glue block made to thread on to the headstock and then facing it off so it can be glued on to a bowl blank. When the glue has dried the blank is affixed to the lathe, the tailstock is brought up and it is turned round. At this point the basic shape of the hollow form is turned by rounding from the center of the blank to the glue block and the tail stock. At the tailstock end a mortise is made to accept the jaws of a scroll chuck in expansion mode. An adapter to allow the chuck to be inserted into the tailstock is added and the tailstock is brought up for support. The blank is then parted into two pieces at the center. It is important that the parting tool is as thin as possible so that when the two halves have been hollowed out and glued back together the grain lines up and the glue line is not too noticeable. The half that is attached to the glue block is then hollowed out and finished, then the half that is attached to the chuck is put on the headstock and hollowed out and finished. The two halves are now glued back together to form the basic shape. When the glue has dried the chuck is removed and the opening to the vessel is made where the mortise was made. Bruce uses a homemade beading tool to create a decorative bead around the opening. Any shape adjustments are made and the vessel is sanded and finished. The vessel is again attached to the headstock via the glue block. A cone center is brought to the opening to provide stability and the glue block is turned off. The vessel is then attached to the chuck thru the opening with the jaws in the expansion mode and the bottom is finished.

Bruce's step by step instructions follow:

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## From the President



Kevin Bierman

Well I'm back! Those of you that have been with the club since the beginning will remember that I was the first president of this club. That was about eight years ago and some things have changed, some basically have stayed the same. We started out meeting in the basement of the Fine Woodworking Store. That was a great place to meet and with new people coming through the store the club grew quite a bit. But all good things must come to an end and when the store closed we had to scramble to find a new place. These were not such good times as the only thing we could come up with was the back warehouse at Acme Tool. If you think you have ever been cold you must have attended one of our meetings there. Pretty hard to turn green wood there as it would freeze solid. Just kidding, but it was not a good place to grow a club.

About this time my two years were up and Lance Zook took over the reins. The club then moved into the Cherry Building as guest of John Schwartzkopf. The club continued to grow and we were really crammed into John's shop, which prompted another move into our current place. Lance was a fine leader and donated a lot of his time and resources to the club.

After Lance's tenure Bruce Kruse moved into the head chair and has served as our leader for two terms. During his stint one of the biggest challenges to the club was the loss of insurance from AAW. We were faced with not even being able to have demos at the meetings. He got us over this and many other bumps and we owe him all of our gratitude.

Some of the folks that never seem to get our thanks are the members of our board of directors. They are the ones that help make the club what it is. They give their time once a month to make policy and keep the president in line. One consent face for the whole eight years has been John Cox, our photographer and newsletter editor. At big thank you to John.

Also I do not want to forget all the help in the background, all the people that have put on a program, helped and donated to the raffle, looked after the library, set up and cleaned up after meetings, worked the demos at ACME and all the other little things it takes to keep us going.

I want to thank you all for your past and future contributions to our excellent club. Hope to see you all at the next meeting. Kevin P.S. don't forget your project of the month and show and tell items.



**Trint Adams-Maple, Bubinga, Walnut-Lacquer**



**Kevin Bierman-Cherry-Antique oil-S&T**

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**Greg Ellyson-Maple- Paint & Varnish**



**John Cox-Mopani, Bloodwood, Lignum Vitae-S&T**



**Phil DeWees-Cherry Burl, Maple, Walnut-Friction Polish**



**Don Coleman-Variou-Wipe on poly-S&T**



Stacy Nehl-Walnut--Poly-POM



Don Potter--Cherry , Ash-Wipe on Poly-S&T



Gary Nosek-Walnut-Urethane-S&T



Bob Ristow-Basswood-Wipe on Poly-S&T



Joanie West-Wenge, Bloodwood-Beeswax-Linseed oil-S&T



Gerry Schuerer-S&T

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Jeff Kromminga-Walnut-Poly-S&T



Dean Sherman-Box Elder-Salad Bowl-S&T



Stacy Nehl-Cherry-Poly-POM



Harold Rosauer-Spalted Maple-Poly-S&T



Bob Smiley-Redwood-Teak Oil-S&T



Jim West-Katalox-Beeswax-Linseed oil

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### Low Profile Hollow Form

Bowl Blank – 4" x 4" x 2"    5" x 5" x 2"    6" x 6" x 2"    Pick a size    Mark center of blank and glue the blank to a waste block.    Waste block can be mounted in chuck or can have tapped hole (able to be screwed to headstock spindle)

Turn basic shape between centers.    I prefer to make a "pod" shape or space craft shape which has a distinct hard tapered to a point edge.    Basically, you have a solid blank of wood turned which could be considered the shape of two bowls with the rims set together.

Sand the basic shape with 120 to 150 grit sandpaper.    You can sand to high grit if you so desire as this is strictly a personal decision.

Remove tailstock and turn out the center of top – 2" diameter opening, approximately  $\frac{3}{4}$ " depth – to support scroll chuck jaws to be expanded in this hole

Now is the time to add any rings/grooves/beads/coves to the top to provide accents or embellishment.    Use whatever means/tools you feel best fits your desires.    Rings can be burned into the top by making a slight groove.    Hold a piece of "Formica" "Wilsonart" laminate in the groove.    It will burn and leave a nice contrasting burned line.    You can sand the face if there is any burn "run" outside the groove.

Relocate Tailstock and prepare to split the "pod" shape at distinct hard tapered edge (prior to parting, you can place a pencil line across the "hard tapered" edge to aid you later in realigning the grain.    It can easily be sanded off at the completion prior to finishing)

Use Parting tool (narrower the better – to afford best realignment of grain, to separate the top and bottom halves.    The left edge and the right edge which the parting tool makes will be used to glue the two halves back together later in the process.

Catch the top half of the form as it comes loose from the bottom when you reach the center of the wood with the parting tool.

Set Top half to the side and prepare to turn out the interior of the bottom half.    Just as you would turn a bowl.    Try not to tamper with the face edge which the parting tool made.

Relocate the tailstock/live center and turn the bulk of the interior out of the bottom.

I turn the wall thickness to about  $\frac{1}{4}$ " so as to allow realignment of the wood grain and afford sufficient gluing area.

Remove the tailstock and turn out the center (where live center supported was located)

When you reach your optimum depth and wall thickness, sand the interior of the bottom half to your finish grade.    This will mean you will not have to sand the interior later (as it is not easily done later)

Remove the bottom from the headstock spindle.    Either by unscrewing the    or by removing waste block from scroll chuck.    Set this to the side.

Install Scroll chuck on Headstock (if not already installed).    Adjust jaws fully closed.    Mount the top half (removed earlier) via the 2" diameter opening.    Tighten the Scroll Chuck Jaws by expanding outward on the 2" diameter opening.

Relocate tailstock and start to remove the interior of the top – much like you did with the bottom.    Remember the Scroll chuck jaws are holding this piece so don't run your lathe chisel into the jaws.

I again shoot for about  $\frac{1}{4}$ " wall thickness and try not to tamper with the edge made by the parting tool.

When the bulk of the wood it removed, remove the tailstock/live center.

Carefully continue to turn the center away but do not move your chisel into the jaws.

The center should "pop" off as you get close to the 2" opening you created earlier.

You can sand the interior of the top if you so desire – I do not do so.

Apply yellow wood glue to the face edge of the top piece.    Make sure the lathe is off / and unplugged.    Use the tailstock to clamp the bottom (previously turned) to the top.    Center the bottom with the top and align the grain and crank in the tailstock spindle to clamp the two pieces.    Use a live center against the waste block.    Remember you have the waste block still glued to the bottom.    Do not over tighten as you must remember you are gluing/clamping two hollow pieces together.

Allow glue to dry a minimum of 10 minutes.    Remove the pressure applied by the tailstock spindle and re-

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move the entire glued unit from the scroll chuck. You now have a hollow form

Remount the glued unit to the headstock via the bottom waste block – either directly via the threaded waste block or with the waste block mounted in the scroll chuck.

(Tip – Mark the jaw position prior to removing the waste block earlier in this process. Realign the jaw position noted earlier works to assure best realignment of the turning.)

Sand the outside of the turning, at the glue joint location until you are pleased with the surface.

Carefully refine interior of the top through the 2" opening. Use hollowing type tool(s) to clean and thin the interior surface. From the outer to the inner of the interior of the 2" opening. I like to reduce the edge to not thicker than 1/8". Radius or chamfer the interior and exterior edge of the 2" opening.

Sand the inside top if desired – I typically do not. Sand the interior edge, face and exterior edge of the 2" opening.

Finish sanding any other surfaces as you next will part the "low profile hollow form" from the waste block. By the use of a waste block, you are minimizing any waste of the "good" wood. Slow the lathe and use the parting tool to remove the hollow form from the waste block. As you reach the center with the parting tool be prepared to "catch" your turning. Otherwise, part to a small diameter and use a saw or other means to finish the cut and remove the turning from the waste block.

Remove the waste block from the headstock spindle or scroll chuck.

Mount Scroll chuck (if not already installed). Mount hollow form on scroll chuck by expanding jaws in the 2" opening in the top of form. Do not over tighten as you might split or crack the top grain.

Relocate the tailstock / live center – preferably with flat – non pointed end.

Carefully turn the bottom of the form. Remove tailstock to remove nib.

You could use a donut chuck to finish the bottom as well.

There you have it. Modify the process to meet your turning requirements / skills and tools. You can use dissimilar woods as well and then you would forego the parting process. IE: Maple bottom and Walnut top or Walnut Bottom and Cherry top. Alter the heights of the base and top and you could make a vase to tall hollow form. You can hide the transition between the woods on the outside by using the "Laminate" burning of a series of rings on the turning.



Joe Lesko

## From Joe's Shop

## Jigs and Tips

Continuing our discussion on member made jigs, the following describes one that Bruce Kruse made to hold the low profile hollow form he demonstrated at last month's meeting when applying a spray on finish. A 1/4" all threaded with a hardwood stringer about 2 1/2" in length 3/4" wide is tapped to thread on the rod. Red end is a "vinyl" covered wire nut which is threaded on the end to prevent marring of the interior by the threaded rod. The loop at the top of the jig could be made from wood as well and tapped to accept the 1/4" rod. Bruce had a loop which served him well. The stringer (cross piece and red tip) is inserted into the opening, turn the threaded rod until the stringer is lightly secured to the inside (underside) of the top of the turning.

The rod can be held while applying spray finish so the top, sides and bottom can be easily accessed. When the spray is uniformly applied, you can hang the turning to dry.



Once again, please email me pictures along with a couple a paragraphs of any jigs/fixtures you use in your shop.

(joe.lesko7@gmail.com)

## For Sale

Have something for sale? Let the club members know about it here. Get the info to John Cox to be added to the next newsletter

Harold Rosauer has some cherry burl blanks and pieces for sale. They are in boxes and to be sold by the box at \$2.25 per pound. He also has some walnut boards from 3/8 to 1 inch thick for sale. Contact Harold at [htlkr@iowatelecom.net](mailto:htlkr@iowatelecom.net)

(1) Jet Live Center (Oneway Style) with aluminum cone, point and knockout bar. MT 2 taper Excellent condition \$85.00 Bruce [bak515@aol.com](mailto:bak515@aol.com)



## Dues Structure and Meeting Attendance Policy

Club dues are:

\$25.00 per year for an General membership.

\$30.00 per year for a Family membership

\$100.00 per year for a Supporting membership.

Potential members may attend two meetings as a guest then must either join the club or pay 1/4 of the current general membership fee to attend a regular meeting.

For Sale - Craftsman 12" lathe plus Nova Chuck plus Copy Crafter and more. \$300 for all. Contact Tom Mills, 377-3488.

