

NEXT MEETING
JANUARY 27

JANUARY - VOLUME 4, ISSUE 1

ASSOCIATION OF REVOLUTIONARY TURNERS

JANUARY 23, 2005

WWW.REVOLUTIONARY-TURNERS.COM

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PRESIDENT'S COLUMN - KEN LINDGREN

Thank you! Thanks to all of our club's officers, demonstrators, wood swap and harvesting donors, selling venue helpers, tops makers, Woodcraft, AAW, wood chain turners, snack benefactors, after-meeting clean up crews, mentors, supplies vendors, and new and existing members. For those I've missed anyone thank you too.

Reflecting backwards, it certainly takes a lot of people to make a good turning club. In the short 2+ years we have been in existence we have come a long way. We've grown from a few guys with an idea to over 70 members on our roster. Our bank account has soared to over \$2,000.

Annual sales of our turnings at club events are over \$10,000. Hundreds of tops have been made and donated. Mentoring sessions abound. The list of accomplishments goes on and on.

I'm torn between two things for what's #1 on my list of things ART has done for me. My first thought is that I'm a better turner. I see it in my own eyes but more importantly in the comments of my peers. Secondly I think of fellowship, camaraderie and friendship. Thirdly, I know that secondly wins. How can anything beat that which improves human interactions and relationships.

If Presidents of the major countries of the world were all wood turners, the world would be a much better place.

Nothing creates improvement faster than 2 or more people sharing a passion for the same thing. Alas, I step off my soapbox for the last time. Sharing my thoughts with you every month has been fun. It's time for someone new to take the lead and continue the improvement in our club that all of you have contributed to and should be proud of.

EDITOR'S NOTE:

I have been creating the club's newsletter for 3 years now. While I have thoroughly enjoyed it, I feel it needs someone else to take it to the next level. Due to my new job demands, I cannot give it the attention it deserves. If you are interested in taking over the position, I can provide you with all the source files and software needed.

- Peter Teubel

SAFETY TIPS

- Always wear a face shield!!!
- Make sure your tailstock is LOCKED before turning on the lathe!!!
- When you have to chase your lathe around the room, you're turning speed is too high.

MEMBERSHIP HAS ITS PRIVILAGES...

CA Glue & Accelerator Available

Thin CA Glue	2oz	\$4.00
Medium CA Glue	2oz	\$4.00
Thick CA Glue	2oz	\$4.00
Accelerator w/pump	2oz	\$3.00
Anchorseal	1gal	\$7.00

2" & 3" Velcro backed sandpaper discs
- 80 to 400 grit 10/pack \$2.00

NOTES FROM THE 'NET-COMPILED BY PETER TEUBEL

By Garrett in Victoria, AU

A few years ago I came across an article on something called the "Longworth chuck" - background info at the end of this post - and resolved to make one because the idea of a self contained scrolling set of Cole Jaws was just too appealing to resist. I finally got around to it today, and was surprised at how simple it is. The cost was a couple of pieces of scrap and \$5 for 4 crutch tips - buy rubber not vinyl -and 4 1/4" x 2 1/2" machine screws and a couple of hours in the shop.

However, it's important to do things in the right order. Believe me.

The first step is to measure the distance between the centre of the headstock and the bed. Obviously, that is the largest radius your lathe can manage unless you turn outboard. (NOTE: for an outboard rig the routed curves must go in the OPPOSITE direction from those described here.)

In my case, the lathe swings 8", so my chuck is 16" in diameter. I



found a couple of suitable pieces, 3/4" MDF for the back, and 1/4" Baltic Birch for the front,



and the bandsaw circle jig quickly turned them into disks

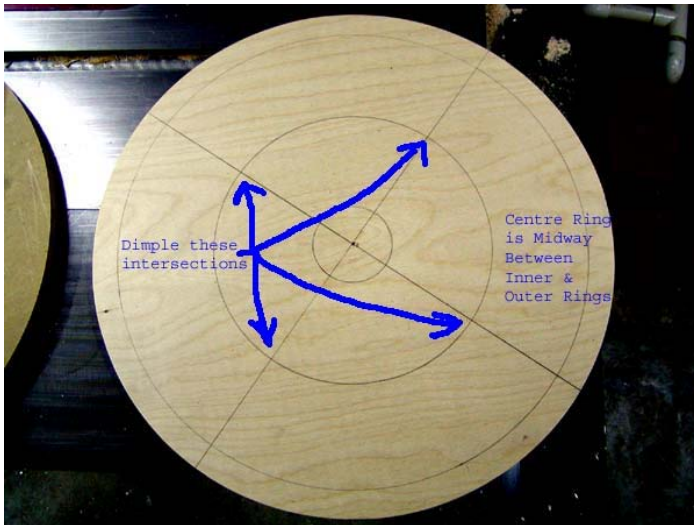
Time to build. First, mount a faceplate on the back disk. It's important to do this now, because everything after this revolves around the centrepoint, literally and figuratively. You will notice 2 things in the following photo. First, that I mounted my "faceplate" after routing, a mistake that wasted a lot of time to get it centred exactly. Second, that it's obviously a nut rather than a faceplate. Some time ago, I found a source for some 1 1/4" x 8 TPI nuts and bought a bunch, because although it's a standard headstock thread, it's



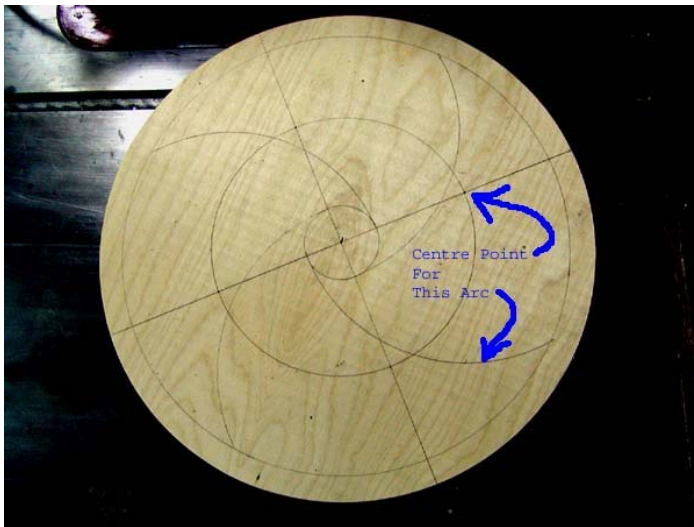
an unusual size in fasteners. (Pipe thread is 1 1/4 x 7.) I've been using them in various ways to make faceplates and vacuum chucks, and it works very nicely in this application, too.

Choose the poorer face of the front disk, and find or make a big compass. Draw three circles. The smallest is the diameter of your faceplate plus a bit. The largest is about 1" in from the outer edge of the disk, and the middle is, in fact, centred between the first two. Draw perpendicular lines through the centre.

NOTES FROM THE 'NET-COMPILED BY PETER TEUBEL

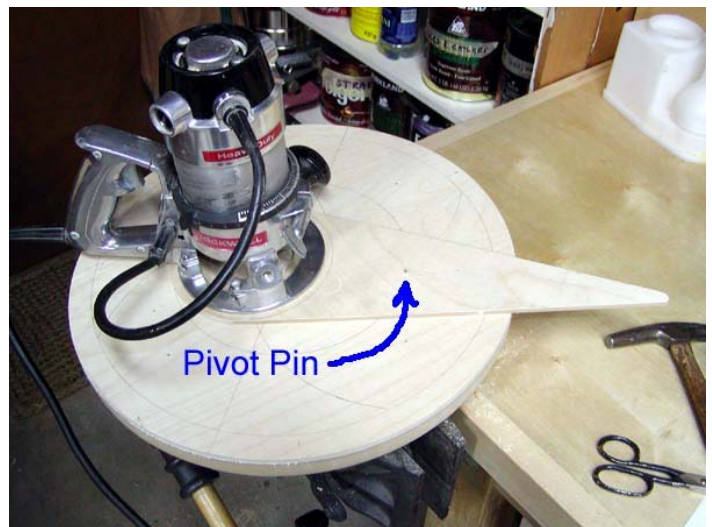


Carefully dimple the intersections of the perpendiculars with the outer ring and use the dimples to centre your compass to draw arcs from the outer ring to the tangent of the inner ring. (These arcs will ensure you make no mistakes while routing.)



Tack the two disks together, being careful to stay away from the arcs, and mount them in a vise. If you haven't already got one, make a circle cutting base for your router. Drill the dimpled centre points to accept whatever you use as a pin - mine is just a small finishing nail - and carefully route the 4 arcs through both disks. (MDF makes a LOT of dust!) I made a circle-cutting base out of another scrap of 1/4" Baltic Birch, and made the interior hole 3" in diameter to ensure good vision since all start and stop points are

done by eye. The best way to start a cut is to be an inch or so away from an end point, plunge the bit into the work, back up to the start point and then move forward to the end point. With a solid carbide up spiral bit, only 2 passes were required to go through both disks (1").



NOTES FROM THE 'NET-COMPILED BY PETER TEUBEL

The result will look something like this:



Now drill some 3/4" finger holes around the perimeter of the disk sandwich.



Before separating the disks, mount the sandwich on the lathe, true up the edge, and use some sandpaper to ease the sharp corners. Then draw a registration line across the edges of both disks so you can line them up again later.

Use a drill chuck in the tailstock to drill a small hole through the exact centre of both disks. Separate the disks and remove the front disk. If necessary, this is a good time to true up the face of the back disk.

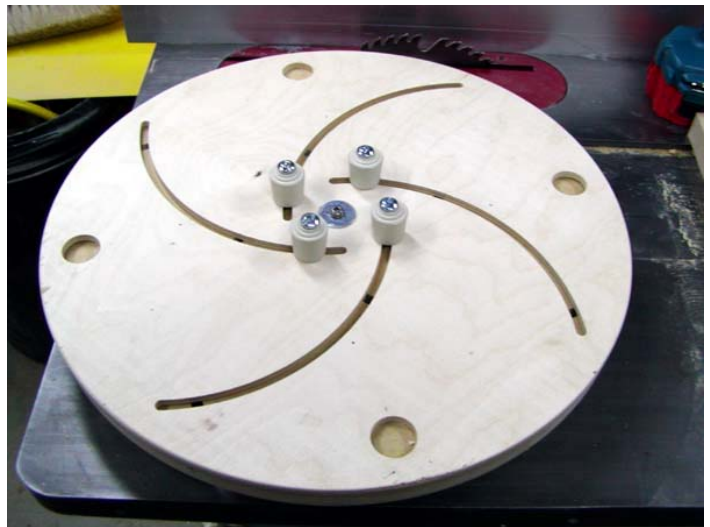
Take a #10 1" round head screw, preferably with an unthreaded

shoulder, and enlarge the centre hole in the front disk so that the screw can just pass through and the disk can rotate on the shoulder of the screw. Enlarge the centre hole in the back disk to the inside diameter of the screw's thread.

Now, REVERSE the front disk so that the routed arcs cross each other and drive the screw into the centre holes. Back off just enough to allow the front disk to rotate.

Make the holders. I turned a piece of dowel to 5/8" d, cut it to length to fit inside each cane tip, and drilled 1/4" holes lengthwise through the top of the tip and the dowel. Wing nuts and washers on the back make for quick and easy adjustment.

In the photo below, I've inserted the bowl holders. When the nuts are loose, the front disk rotates very easily and synchronizes the movement of the 4 holders from the innermost position to the outermost with no effort at all, and can be snugged up at any point to make the whole unit very secure.



NOTES FROM THE 'NET-COMPILED BY PETER TEUBEL

In use, it's quite flexible for big (12" bowl) and small (3.5" hollow form).



And, no more having to mount and dismount 8 jaws on my Super Nova 2 every time I want to reverse a bowl that I cannot vacuum chuck.

A couple of closing comments:

- 1) Be very, very careful of the spinning bowl holders on the front and the wing nuts on the back. They hurt. A lot.
- 2) The chuck works quite well, but with only 4 holders it isn't designed for heavy side pressure, so take it easy.

3) Having made this one, I intend to make two more, one about 10" in diameter for small work, and another 16" the same size as this one. The smaller will just be a miniature of the one displayed here except that I'll use rubber buttons as holders rather than the cane tips for much better access to the workpiece. For the larger chuck, however, I'll make the smallest circle about 5" or 6" in diameter, because a larger inner circle will enable me to have 6 or even 8 arcs and holders offering far better security. And anyway, as the photo shows, providing for such small bowls on so big a disk is awkward if not plain silly. and, finally,

4) Mr. Leslie Longworth of Australia invented this chuck in the late 1980's and published only the first of a two part an article on it before he died soon after. More info is available at <http://www.fholder.com/Woodturning/chuck.htm>, including that from which I made the version above.

NOTES FROM THE 'NET-COMPILED BY PETER TEUBEL

By Mike Schwing, MD

Something I've been wanting to do for a long, long time, a double ended Ellsworth gouge in the heavy Kelton handle. This baby is rock solid, and I love it. One end for heavy cuts, one for slicing and finishing. Twice as long between trips to the grinder. (those tiles are 12", btw)

Would do double duty as a fine hand to hand combat weapon.

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(editors note: No, Mike doesn't really use this...it was just put together as a joke.)



MEDIA LIBRARY

Current Video Inventory:

- * *Turning Wood with Richard Raffan*
- * *Turning Boxes with Richard Raffan*
- * *Turning Projects with Richard Raffan*
- * *Bowl Turning with Del Stubbs*
- * *Skill Building Projects with Mark St. Leger*
- * *Sharpening Fundamentals*
- * *Turning Projects from Scrap with Bob Rosand*
- * *Natural Lipped Bowls – Ken Bullock*
- * *Wooden Bowls on a Budget – Ken Bullock*
- * *Rude Osolnik – Dean of American Woodturners*
- * *David Ellsworth Tape #1*
- * *David Ellsworth Tape #3*
- * *David Ellsworth Tape T*
- * *Skew Chisel with Alan Lacer*
- * *Turning a Salt & Pepper Mill by Holtham*
- * *1996 AAW Symposium - Techniques*
- * *1997 AAW Symposium - Techniques*
- * *1998 AAW Symposium - Techniques Vol #2*
- * *1998 AAW Symposium - Techniques Vol #1*

- * *1999 AAW Symposium - Techniques Vol #1*
- * *Vessels of Illusion by Trent Bosch*
- * *From Tree to Table by Mike Mahoney*
- * *Woodturning Wizardry by David Springett*
- * *Woodturning - A Foundation Course*
- * *Mike Darlow DVD set*
-> Available on VHS tapes
- * *Woodturning Projects with Nick Cook Volume #1*
- * *Woodturning Projects with Nick Cook Volume #2*
- * *Son of Skew by Alan Lacer*
- * *Range Rider Hat by Johannes Michaelson*
- * *Luke Mann Demo August 2004*

Current Book Inventory:

- * *Woodturning - TIME/LIFE Book*
- * *The Fine Art of Small-Scale Woodturning*
- * *Fundamentals of Woodturning by Mike Darlow*
- * *Woodturning Methods by Mike Darlow*

“If anyone would like to donate any ORIGINAL videos (no copies), please contact any of the club’s officers. ”

CLUB EVENTS

No Club Events Scheduled

LINKS OF INTEREST

JANUARY MEETING AGENDA

Remember to bring in some wood for the wood swap to help support the club!

6:30pm–7:00pm

Arrive early for some social time and please remember to park across the street at the Fleet ATM parking lot.

7:00pm–7:45pm

- * Club business
- * Announcements
- * Show & tell. Bring your pieces in for discussion

7:45pm to 8:00pm

Break

8:00pm–9:00pm

Demo - Gold Plating by Ken Leeden

9:00pm-9:15pm

Break

9:15pm - 10:00pm

Wood Swap

MONTHLY SHOP TIPS

OTHER EVENTS

Sunday February 27, 10am - 4pm

Frank Movitz will be teaching Turning Spindles at the Woodcraft store in Woburn. You will learn how to sharpen the most common turning tools and use them to produce a variety of cuts in spindle work. Frank will teach you about the functions of a lathe, turning speeds, chucking techniques and wood selection. Cost is \$95.

Wednesday February 2, 6:00pm - 9:00pm

Peter Teubel will be teaching "The Art of Pen Turning" at the Woodcraft store in Woburn on . In addition to making a European designer pen in class, all students will take home 2 addition pen kits (complete with wood blanks), a set of pen bushings, and a complete set of pen turning tools. Cost is \$85.

" Send your tips to Peter Teubel for publication in our Monthly Shop Tips section! "

VENDOR NEWS

Swiss Made Carving Tools

Woodcraft Store

All Pfeil Swill Made carving tools are 20% off now thru Feb 23. This is the time to get that carving tool you've always wanted for carving your turnings.

A.R.T. MENTORING PROGRAM

Our Mentoring program is designed to help the novice as well as the intermediate turners in the club. Take advantage of the Mentors listed below. They've all agreed to spend a few hours with anyone to help the beginner get started or the intermediate to advance their skills. All it takes is a phone call to make an appointment.

Mike Green - Lowell, MA
978-459-8308
mgreenburl@juno.com

Frank Movitz - Marblehead, MA
781-631-4411
gwpb@attbi.com

Derrick TePaske - Belmont, MA
617-489-0169
go.den@verizon.net

Steve Reznek - Concord, MA
978-287-4821
reznek@aol.com

Jack Grube - Londonderry, NH
603-432-4060
jackgrube@aol.com

Dietrich Kulze - Billerica, MA
978-663-5241
dk3@reuse.com



“All it takes is a phone call to make an appointment.”

CLASSIFIEDS

Look! No Batteries Required...Ever Again! Batteryless, 110 VAC Powered Laser Pointer for those deep hollowing jobs. Plugs into any standard 110 VAC outlet. Use with deep hollowing systems such as the Jamieson, Kelton, Oneway, Pro-Forme, Dave Reeks, homemade, etc. varieties.

Price: \$25.00 each.

Get perfectly side ground edges on all your bowl gouges. Improved, easy to use gouge sharpening jigs. No matter what the sizes of your gouges, there is a sharpening jig to give you that perfectly ground edge. For use with the Wolverine or similar grinding aid. Three sizes to properly fit all gouges:

Size:	Prices:
Small (up to 3/8" dia.)	\$12.00 each
Medium (3/8" - 5/8" dia.)	\$12.00 each
Large (5/8"-7/8" dia.)	\$12.00 each
Set of all three:	\$30.00 (Save \$6.00)

Ultra-Thin Kerf Parting Tool. Blade is only 0.050" thin to give those wood saving and grain matching cuts. Overall length approximately 9-1/2" with comfortable handle for good control. Made from hardened High Speed Steel for a lasting edge and stiffness.

Price: \$20.00 each.



110 VAC Laser Pointer



Bowl Gouge Sharpening Jigs



Ultra-Thin Parting Tool

Please add \$5.00 Shipping and Handling to your order (no matter the number of items ordered being shipped to the same address at the same time).

To order, please make checks payable to Peter Toch and mail to:

Peter Toch
6565 Fairway View Trail
Roanoke, VA 24018

For questions or further information, please contact Peter Toch at (540) 774-4152 or ptoch@adelphia.net

* NOTE: These items are also available thru Mike Green at our monthly meetings.

“ Classified ads are free for members . Just send your ad to Peter Teubel. ”



Association of Revolutionary Turners

“ G E T I N V O L V E D ”

~ LEGAL STUFF ~

The Association of Revolutionary Turners (A.R.T.) was founded in 2001 to support the needs of woodturners in eastern Massachusetts. Its purpose is to provide education, information, and organization to those interested in woodturning. We meet on the 4th Thursday of every month at the Woodcraft Store in Woburn, MA. Memberships are on a calendar basis from January 1st through December 31st. Annual dues is \$20 per person.

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kenlindgren@norwoodlight.com

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2005 MEMBERSHIP DUES

Dues for 2005 is now due.
Please have cash or check
ready at the meeting.