

NEXT MEETING
OCTOBER 27

OCTOBER VOLUME 4, ISSUE 10

ASSOCIATION OF REVOLUTIONARY TURNERS

OCTOBER 25, 2005

WWW.REVOLUTIONARY-TURNERS.COM

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PRESIDENT'S COLUMN - GARY BASHIAN

Today I stopped at the "Spirit of Wood" show in Bedford, where we were both demonstrating and selling. Donna Banfield, Devon Thibeault, Fran Tessicini, George Whippen, and Ken Brannock were there, along with Dick Vose, who was managing the event for us. Ken Paciulan was taking pictures, which I hope to have on the website soon, along with Ken's pictures from Marshfield and Topsfield. Sorry if I left anybody out. If I'm not mistaken, Jack Grube's star protégé took first prize in the competition. Dick did a fine job co-ordinating the event for us and making sure all the people and hardware got together at the right place and time. Thanks to everyone who participated. Thanks also to New England Woodcarvers for inviting us, and to Central New England Woodturners for sharing their space. I'll be talking with Dick about how the event turned out, but I think co-operative events like this are a good way for us to get increased exposure and bring woodturning to a wider audience.

As I mentioned in an email today, Dietrich and I are hoping to have a club-sponsored field trip to Hull Forest Products, in Connecticut, in the next few weeks. We'll have more on that at the October meeting, or watch your email.

I believe we had about 10 ART members at the Totally Turning Symposium in Albany last week-end. This is a fun and informative time, a chance for friends to get together, learn a few things, and maybe pick up a few "must-have" goodies. Finally, for alert members only, Steve Reznek put in a brief appearance!

I'm hoping Tom Lienhard will have the latest batch of polo shirts at the October meeting, and we'll see if there are orders for more.

I still have a pair of sunglasses that were found at Marshfield. Contact me to claim.

You shouldn't be turning or using any power equipment if you're tired or otherwise not at your best.

See you next time.

Gary

MEMBERSHIP HAS ITS PRIVILIGES...

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

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.

SEPTEMBER MEETING NOTES:

By Donna Banfield

Mike Green fed us; we'll see if Mike Souter remembers he agreed to feed us for the October meeting.

The ART summer BBQ fell victim to Hurricane – which one? Who can remember? We tried to reschedule it, but too many conflicts. Maybe next year?

Woodcraft's Demo Day is still looking for volunteers. Six stations need mentors to assist customers doing simple stuff. Wood lathes will be turning bottlestoppers. Woodcraft is offering a 20% discount for all volunteers that day.

Our club logo shirts are in (thanks Tom Lienhard). Polo shirts are \$20.00; we'll be taking orders for more.

SELLING EVENTS:

MARSHFIELD

Marshfield State Fair was a successful event, bringing in roughly \$2300.00 in gross sales for the members.

TOPSFIELD

Topsfield State Fair is coming up and sign up sheets are available for the shifts that still need to be filled.

Peter Teubel advises that the Fair organizers might insist on demonstrators paying for parking. We need to decide as a club, how to handle this if it becomes an issue. After a club vote, it was decided that the club would reimburse members who pay for parking, by increasing the club's share of sales to 15%.

SPIRIT OF WOOD

The New England Woodcarvers have invited ART and NECW to participate in the carver's annual event. Originally a showcase for woodcarvers, it was recently expanded to include woodturning. The event will take place on Sunday, October 23, 2005 at Middlesex Community College. Not solely an opportunity for selling your work, this show also provides a chance to submit some of your best work for competitive judging, with ribbons awarded in several categories.

Dick Vose agreed to spearhead ART's involvement, getting one of the club mini lathes there. Other members volunteering for the event included Devon Thibeault, Mike Souter, Tom Lienhard and Donna Banfield.

Other related selling matters, individuals have contacted the club looking for turners to create: fishing rod parts, and interior wood parts for Rolls Royce.

NEW BUSINESS

Wood Chain items – Tom Lienhard took the bowl.

Totally Turning Symposium, October 16-18 in Albany, NY, being attended by several club members.

Bobbie Tornheim has made and collected several turning tops. She also reports that she was been asked to demonstrate woodturning at Drumlin Farms in Lincoln, MA on October 2. She'll have a lathe and grinder there; anyone who is interested to doing this, speak with her.

Mike Souter suggests a combination lock for the shed doors at Topsfield. This will allow us to lock up our stuff at night.

SHOW AND TELL

John Moore brought in a tiger maple hollow form.



John Moore's TIGER Maple hollow form

SEPTEMBER MEETING NOTES:

Mike Souter showed off his carving techniques with a walnut 'rose' pedestal pod.



Ken Lindgren brought in an oak bowl that he aged/darkened using a decades old technique – fuming with ammonia, which turned it golden brown in a matter of minutes. Devon Thibeault commented that he has used that technique to 'age' pieces used in furniture restoration.



Andy Osborne used a Sorby texturing tool on his cherry bowl.



Gordon Clarke showed a natural edge cherry bowl.

- MONTHLY DEMONSTRATION - THE BASICS OF SEGMENTED TURNING

Presented By Will Hunt

Segmented turnings are based on a theory of building upon rings.

There are two formats

Radial, where all the joints radiate out from the center of the piece; and

Tangential, where all 4 surfaces of each piece are tangential to the piece being turned.

Glues used – Titebond II (waterproof) to glue the pieces together, then he uses ureaformaldehyde glues to stack the rings. This glue has elasticity, which allows for expansion and contraction of the wood.

Equipment needs:

A wood lathe (of course); a very good table saw (i.e., not a contractor's saw); a 12" disc sander/belt sander; circle cutter (either bandsaw or jig saw); a compound miter saw. A drum sander, drill press and planer are other pieces of machinery that are nice to have, but not necessary.

Design: determine your inside/outside diameter, and then your thickness.

7/16th's to 5/8th's allows small to large turnings.

Stack and cut lengths. You can create a full scale drawing on drafting paper, but this can be very cumbersome. There are now about a half-dozen computer programs that will do this for you. Will recommends Woodturner Pro, a software program created by a woodturner who has approached it like a woodturner.

Pre-Assembly:

Cut lumber to dimensions and thickness – 1 7/8th's to 1 3/8th's width.

90% of cutting on miter saw because it's easy to make adjustments.

Will uses a homemade 'sled' on the tablesaw for cutting the staves.

Score a line on each piece as you cut to allow you a line up or match the pieces up in assembly.

After applying glue, rub and squeeze the pieces together to assemble rather than clamping.

Glue and Finishes

Will doesn't like CA glue because it's too brittle. Many turners like to use Gorilla Glue, but Will doesn't because it takes forever to set. He also finds it necessary to go back and reset the pieces when they move.

When ready to turn, Will uses a glue block in the chuck to secure the blank to the lathe. The blank can be removed and replaced many times and still remain true.

For written materials, Will recommends Malcolm Tibbetts' book above all others, The Art of Segmented Turning

NOTES FROM THE 'NET-COMPILED AL PRIMM

FINISHING YOUR WOOD TURNINGS

By Rex Haslip

Sanding Principles

The purpose of sanding is really quite simple, to remove the minor imperfections left by the gouge when turning, thus enhancing the finish and appearance of the turned piece. It is not a process for shaping or removing large amounts of wood, although if we were all honest, we have been guilty of that in the past, and no doubt will be again in the future.

Sandpaper by its very nature and design, removes wood in a cutting/scraping action, thus leaving scratches in the surface of the sanded article. The degree of these scratches is directly proportional to the coarseness of the sandpaper aggregate. (Coarse paper, ect.: 80 grit, will leave great scratches in the surface, where 1200 grit would not leave a visible mark) It doesn't matter what type of paper you use, the principle of operation is the same. Therefore, you need a process that is time effective, yet removes the scratches, and this is achieved by gradually going from coarse to fine sandpaper. Each time you change to a finer grit, you should only be looking at removing the scratches left by the previous paper, not the scratches left by 2 or 3 papers ago.

I use the following paper grits:

- * 150 grit is first if needed to get catch marks out or if the gouge finish is "rough".
- * 220 grit is first if the gouge finish is acceptable.
- * 320 grit to remove the scratches from the 220.
- * 440 grit to remove the scratches from the 320.
- * For soft woods, I do not go any finer but rather apply a finish here.
- * 600 grit to remove the scratches from the 440 on harder woods.
- * 1000 grit to remove the scratches from the 600 on harder woods.
- * 1200 to finish. You can also follow with steel wool if you want.

Dry Hand Sanding Process and Tips

Turners tend to shy away from hand sanding as it is "hard work", "frustrating", "hard on your fingers with all that heat" and so on. All of these "problems" are of the turners own making. If the gouge

finish is acceptable and you work your way through the grits as mentioned previously, only removing the scratches from the previous paper, then the problems will disappear. Here is what I do.

1. Finish the surfaces as clean as possible with the gouge.
2. Reduce the lathe speed to about half of the speed I was turning at, or about 700 rpm (common sense here please. I don't expect 24 inch platters to be doing 700 rpm).
3. Start with the lowest grit paper I see fit.
4. Stop and check that the surface is without marks from the gouge.
5. Work up the grits, just removing the marks left by the previous paper. If you see scratches that are from previous papers, don't waste your time and risk heating etc. by trying to remove them with the finer grades of paper, go back and do it properly. I stop between each grit to check that the marks are gone and that I am clear to proceed to the next finer paper.

And that is that. Following this simple principle of only removing the marks left in from the previous grit, you will not only avoid overheating and the risk of heat cracks, but you will find that the sanding is not actually hard work. Be aware though of the dust hazard. Protect yourself by wearing a proper dust mask, and be sure that you're working in a well ventilated area.

Power Sanding Process and Tips

For those hard to finish woods, open grained, complex grain, or just plain rubbish (rotten or at least part rotten) you can always turn to power sanding. The power sander is essentially a device that fits in a standard electric drill. It has a soft pad on the end of any size really, with a corresponding sized piece of sandpaper attached. The combinations here are numerous. They can be of proprietary manufacture or home made. They can be big or small, The pads can be round or square, and the paper can be attached with adhesive, double sided tape or velcro. And so the options go on.

Here is what I do:

1. Finish the surfaces as clean as possible with the gouge.
2. Reduce the lathe speed to about 300 rpm.
3. Start with the lowest grit paper I see fit.
4. Run your drill an sanding disk at a high speed, approximately 1200 rpm.
5. Work form the inside to the outside and back again (bowls) or backwards and forwards up and down the length of spindles.

FINISHING YOUR WOOD TURNINGS (cont)

6. Do not stop in one place, as the amount of material that you are removing with the sanders are considerable. Doing so will also cause excessive heating, and heat cracks.

7. Stop and check that the surface is without marks from the gouge.

8. Work up the grits, just removing the marks left by the previous paper. (If you see scratches that are from previous papers, don't waste your time and risk heating etc. by trying to remove them with the finer grades of paper, go back and do it properly.)

9. If you find that your papers are clogging, you can clean them with a swipe of a wire brush. Again, I stop between each grit to check that the marks are gone and that I am clear to proceed to the next finer paper.

Wet Sanding, Hand and Power .

Wet sanding is a very good way to get away from the dust problem, and it tends to be a little gentler on the turned article. I use either water or oil, depending on the final finish and the type of article being turned, but the water is the cheapest option. If you are using water, you will also need to look at the type of paper being used as ordinary garnet papers tend to turn to paper mache and loose their grit. You will need a "wet and dry" type paper. This doesn't seem to be an issue with oil however. And what sort of oil you ask, the cheapest you can find. I use salad oil. Stay clear of peanut and soy bean as these both go rancid, and as a percentage of the oil will penetrate the surface of the turned article, this will be a problem later. After you get the required surface finish, I clean the surface thoroughly with rag, or paper napkins (cheaper and easily replenished) and then apply my desired finishing treatment.

These are some of the finishes that you could use.

Oil Finish

After working my way down through the various grits of sandpaper, and getting the finish that I am happy with, I soak the surface of the article in oil. In this case, the type of oil varies with the end use. For salad bowls and the like, I use salad oil. This can be re-coated after washing if needed, and is guaranteed food safe. For non food contact items, you can use any of the proprietary brand oils and treatments like Danish oil, Tung oil, Teak oil etc. You could also use the salad oil on these turnings.

A Cheap Homemade Wax

I use a lot of wax finishes, and one of my favorites is very simply to make, is very cheap, and wears quite well. It is a Beeswax polish. There are only two ingredients and it is very easy to make. The ingredients are beeswax, and vegetable turpentine (also known as artists turps). You need to melt the wax, and then add an equal volume of turpentine to it and then mix it all together. A double boiler is handy here. This is a heating device that consists of two pots, one inside the other. The outer one is filled with water, and when heated, this water transfers the heat to the inner pot. Thus the maximum temperature of the inner pot is the boiling point of the water, thus adding the safety. Also, the heat is general over the entire surface, rather than localized at the element or heating source.

WARNING - Please be careful during this melting and combining process as the turpentine is a flammable liquid. The mixture will be hot and could cause burns.

You will need to store the mixture in an airtight container when it's not being used, or you will end up with plain beeswax again after a short while as turpentine evaporates easily.

A Good Cheap Wood Sealer

Looking for something to seal that "hungry dry wood" and stop those expensive finishes from soaking away out of site. Try this cheap sealer, which with a little work and polishing, can actually make a serviceable finish as well.

- * 1 part of Polyurethane (polyurethane clear finish)
- * 1 part of linseed oil (raw)
- * 1 part of Tung oil
- * 1 part of vegetable or gum turpentine. They thin the mix and acts as a drying agent. Do not use Mineral Turps here.

You just apply this, let it dry, give it a light sanding, and then apply your favorite wax or oil finish. If you're using the mix as a finish, buff and polish while wet. Also a bit of friction heat will bring up a luster. Watch out you don't overheat it and cause heat cracks though.

FINISHING YOUR WOOD TURNINGS (cont)

DO NOT USE THIS ON FOOD ITEMS It is also not suitable for use under spirit based finishes, shellac, sanding sealer, etc.

Commercial Finishes

There are literally thousands of these, but I only use a few. They are:

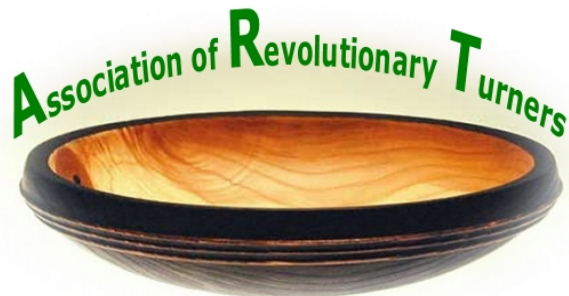
* BRIWAX friction polish Spirit based. Gives a high gloss "coating" type finish. I use this for smaller bowls that I want a high gloss finish on. Needs little care after the turning is finished.

* C O Wax and Shine (No: 6) A wax containing carnouba, paraffin, shellac, montane and beeswax, solvent based, quick drying. Cheap ! (Silicon free) I use this for bud vases, non food bowls etc. Needs ongoing polishing and care.

* John Crossley's wood glow wax. This is a wax containing carnouba and beeswax, oil based, slow drying. Penetrates harder woods well. I use this on all sorts of things that I make from New Zealand native woods, which tend to be hard and respond well to the oils in his wax.

* Plasti-kote spray on poly. (Super Urethane) Alcohol resistant. Satin finish. I use this for wine goblets.

* BRIWAX natural wax polish. Fast drying combination of natural waxes. CONTAINS TOLUENE. Boy is this stuff hard on the skin. General polish, but I don't use it that often. It leaves a lasting finish.



MARSHFIELD: REVISITED



A Future Woodturner? .

Who knows what young life you may influence !!!

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

Field Trip to Hull Forest Products - date to be determined

Events not sponsored by the club:

Rude Osolnik Exhibition at Fuller Craft Museum in Brockton, 10/22 - 2/19/06, website is <http://www.rudeosolnik.com>

Desert Woodturning Roundup, 2/18 – 2/19/06, Mesa, Arizona. Sponsored by Arizona Woodturners Association. Website

OCT 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 - To be announced

9:00pm-9:15pm

Break

9:15pm - 10:00pm

Wood Swap

LINKS OF INTEREST

MONTHLY SHOP TIPS

OTHER EVENTS

“ Send your tips to Al Primm for publication in our Monthly Shop Tips section! “

VENDOR NEWS

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 Al Primm. ”



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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Our annual club dues for 2006 will be coming due soon. Please have cash or check ready at the meeting. Still only \$20.00 !!!