



Minnesota Wood Turners Association

An Affiliated Chapter of the American Assn. of Woodturners

February 1998

Volume 12, Issue 2

Editor's Corner

The article starting on this page covers the topics demonstrated by Mel at the January meeting.

- Treasurer's Report on page 3.
- Stores offering discounts to members on page 4.
- Stores of a general woodworking nature page 5.
- Library tapes list on page 6.
- Future meetings on page 7.
- See the excellent tips and jigs from Jim Jacobs on page 9.

January Meeting Summary of Techniques used prior to finishing.

by Mel Turcanik

The perception of quality in a piece of work starts with the effort that is applied after the form is established and while the surface of the wood is prepared for the final finish. Ripples, rings, torn out grain, all detract from what otherwise could be an exceptional piece of work.

The approach to surface preparation will differ based on some or all of the following factors:

Wet/dry wood – Wet wood doesn't always shear as cleanly as dry wood. Wet wood clogs abrasives but also makes wet sanding with a water lubricant possible.

Spindle/faceplate grain orientation - cutting across the grain is always smoother. Scraping across the grain can pull fibers out without cutting. Tools must be oriented so that a shearing action cuts the fibers cleanly. Abrasives will leave cross grain scratches when most power techniques are used, finish the job with a little careful hand sanding along the grain.

Open/closed grain wood - open grain wood can trap abrasive grit and dirty the appearance. Grain texture may require different techniques to compensate.

Large/small scale work - Other than the size of tools, there is very little difference in the techniques. A large-scale piece can "absorb" a bit more irregularity in finish without seeming low quality. Small work must be absolutely perfect. It will receive closer scrutiny.

Punky or weak wood – May require reinforcement. Often it will shred rather than shear. Abrasives may be the only way to go.

Round/other shapes -

Warped pieces, off center work and work with a lot of voids all require serious consideration for all finish work to be done off the lathe. This is both a safety and efficiency consideration.

High/low finish quality - a \$20 piece of work shouldn't look as good as a \$2000 piece of work of the same size and scope. You need to decide what a piece is worth to you, or to the purchaser/recipient. Sometimes it's better to quit and go on to the next piece. Professionals will usually make this judgment with different criteria than hobbyists.

Using the Lathe to Prepare the Surface

Rings that appear when a finish is applied are sometimes caused by the burnishing of the wood fibers against the rubbing bevel of a cutting tool. This occurs because the burnished area is compressed, reducing the penetration of a finish into those areas compared to others where the compression was less severe. Rings cut into the surface must also be removed.

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Both of these situations are resolved by doing a light *scraping or shear-scraping* cut prior to sanding.

Conventional flat bar steel type scrapers with rounded noses can be used flat on the tool rest or tilted at an angle to get more of a shearing action. I sharpen these scrapers by using a diamond hone moved perpendicular to the edge, riding completely on the bevel. This creates a small burr which actually does the cutting. A skew chisel may also be used as a scraper, either flat on the tool rest or tilted at an angle to shear. A round shaft skew, normally not good for much else, is very good and stable as a scraper. The skew is sharpened normally, I use a diamond hone moved parallel to the cutting edge so that no burr forms. Sometimes the only way to successfully scrape the surface is to use the scraper without a tool rest and "float" it on the surface. This way it follows the contours of the work and is less likely to tear irregular areas. Cabinet scrapers may also be used in this way. Scrapers may also be made out of planer blades and various other types of salvage metal.

Sanding Considerations

Different types and characteristic of abrasives were discussed, including:

Paper/cloth-backed – The backing determines the ease of following contours, and the longevity of the material.

Cloth will last longer but may be stiffer.

Bonding - The glue that holds the grit to the backing usually weakens with heat. Higher quality abrasives usually have more heat resistant glues and cloth backed abrasives are usually more heat resistant.

Grit – European grit standards are different than U.S. and I believe that the European grits are about 1 step coarser than the U.S.

The most common grits are aluminum oxide and silicon carbide.

Silicon carbide stays sharper longer but this is irrelevant if the grit falls off the paper.

Silicon carbide will leave dirty appearing grit in woods such as soft maple or open grain woods.

Aluminum oxide has a light brown color and blends into light woods better.

When sanding with the lathe running I slow the speed down to keep the heat down. Using an angle drill with a disk on a rotating workpiece will create a random scratch pattern, which the eye won't see as long as the drill is moving constantly. The disk rotation is applied against the motion of the workpiece.

"Power lock" disks by Merit are stiff and good for initial sanding to 150 grit.

Velcro backed disks with soft foam are better for final sanding with fine grits.

Substitutes for both of these can be made out of scrap materials and ordinary sandpaper or sanding belt material.

Ed Johnson demonstrated a simple homemade cutter that allows the re-use of power lock type connectors or old disks. (see Fig. 1)

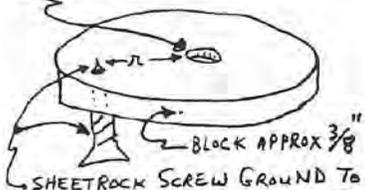
Orbital and oscillating sanders used for cabinetwork can be used to finish pieces when off the lathe. This is often the most efficient way to deal with warped pieces or pieces with voids which may be dangerous to sand with the lathe running.

When hand sanding (with the lathe running or not) it helps to back the paper with some kind of foam so that excess pressure isn't applied to any point to leave scratch marks. This also keeps the heat down and away from the fingers.

"Scotch-Brite" type pads are useful for smoothing both the wood and the finish. Available in different "grits" they may also be mounted on a mandrel to be used as a way to buff a handheld workpiece. This is a good way to rub out a finish.

Thanks to Tim Manning for re-arranging his shop to provide a warm and comfortable place to accommodate us.

HOLE FOR "POWER LOCK" PIVOT



SHEETROCK SCREW GROUND TO A KNIFE-EDGE AND SET JUST ABOVE SURFACE OF $\frac{3}{8}$ " BLOCK.
- i.e. - JUST SHY OF THICKNESS OF CLOTH BACK SANDPAPER.
THE RADIUS "R" SET FOR DESIRED FINAL DISK SIZE.

METHOD :

- MOUNT ANY SHAPE SANDPAPER ON A USED "POWER LOCK" SNAP.
- PUT SNAP IN HOLE IN BLOCK WITH ABRASIVE SIDE UP.
- ROTATE PAPER USING SLIGHT PRESSURE NEAR "KNIFE-POINT".
- CLOTH WILL BE SCORED ENOUGH TO DELIVER A NICE ROUND DISK WITHOUT EVER TOUCHING THE GRIT.

Fig. 1 Above
Ed Johnson's Sandpaper Jig

January Meeting At Tim Manning's Shop

As usual we chatted with each other from 6:30 to 7:00 at which time a short business meeting was held. There were twenty-three members present. A motion was made and seconded to accept the new bylaws. The motion was unanimously passed.

The treasurers report was given by Ron Meilahn (see full "Treasurers Report" on this page).

Four new members were introduced. They are:

Boyd Annus
Bob Kline
Mark O'Neil
Ken Tempero

Upcoming meetings and demos were discussed.

Show and tell included interesting and attractive pieces by Larry Heyn, George Dupree, Don Wattenhofer and Mel

Turcanik.

Larry discussed his rounded, small opening vessels explaining his use of tools and shellac as a finish.

George showed off his large, shallow, walnut bowl. It had clean lines and a graceful shape.

Don displayed a set of three large, nested bowls and discussed some of the troubles when using apple wood. It apparently cracks very quickly.

Mel brought in some of his small, intricate, lidded boxes and discussed pricing for good quality work.

The business meeting was adjourned and a very interesting demo was given by Mel Turcanik on the final preparations given to a vessel prior to finishing (see article on page 1).

Treasurer's Report 1997 Actual Financial Results by Ron Meilahn

Once a year I try to get everyone excited about "number crunching" and how we're doing financially. I realize that by brief presentations at meetings are so inspiring and so brief that I leave you speechless; so at year-end I like to utilize the full "Wizardry of Accounting" and detail some vital statistics that you are, no doubt, waiting to hear!!!

To begin with, our membership hit an all time high with a total of 103 members in 1997, up from last years 99 members. This generated \$1950 revenue to the "till". Our total income for 1997 however, was only \$2122, which was down from 1996 by about \$200. This was caused by discontinuance of the \$100 by St Catherine's Craft Council for demo-ing at their Art Fair and secondly by there wasn't any Northfield Art Show; which in 1996 brought in \$130.

The Russ Hurt and Clay Foster Demos generated a net gain of \$43. Incidentally, due to their popularity, more of these kinds of professional demos are planned for 1998.

Overall, 1997 expenses were about the same as 1996 but the mix was a little different. Newsletter printing cost dropped substantially because of Paul Keller's initiative to use Anderson Windows's facilities. On the other hand, new Welcoming Kit costs rose with the 37 new members. There was increased expense for prizes at the 1997 Holiday party as well as some expense for the 1st Annual Summer Picnic.

At the January 8, 1998 Board meeting our 1998 budget was approved, with an increase in professional demos, new Nova chuck for club lathe, additions to our library and photo enhancement inserts to our newsletters. As a general rule we'll try to maintain a minimum bank balance of at least \$1000 at all times.

You probably have heard more than you wanted to about finances so I'll stop here for another year !!!

Thanks, Ron Meilahn, Treasurer MWA.

Minnesota Woodturners Association Discount Suppliers

The following suppliers offer special discounts to MWA members. In order to receive your discount, you must show that you are a member in good standing for the year by showing the supplier your membership card. Suppliers wishing to be included in the program should contact Ron Meilahn @ (612) 633-8902

American Tool Supply. 712 University Ave, St Paul, MN 55704 (612) 227-3500 (Bryan) Discounts vary by manufacturer. No sale discounts

Derickson Co. Inc (612) 332-6791 (Tim) Wholesale prices on cabinet making supplies, finishes, router bits, etc

Hardwood Lumber Inc 591 Bighorn Dr, Chanhassen, MN (Loel Brown) (612) 934-6412. Wholesale prices to MWA members; discounts depend on wood species and quantity.

Hirshfield Decorating Centers (10 Metro locations & Rochester) High volume contractors discount applies to stains, varnishes, paints, application tools and sundries. No discounts for window treatments, wall coverings or fabrics.

Lake Elmo Hardwood Lumber (612) 777-8118 (Bob Echert) Discount on all hardwoods. Call Bob for details before placing your order.

Savitt Bros. (612) 871-1155 (Burt Savitt) Discount to Net price. MWA members receive contractor discount on stains, finishes. i.e. Watco, MinWax, etc.

Swanson Hardware (612) 925-4083 All sales staff. Wholesale prices on cabinet making supplies

Tool Crib of Minnesota (612) 521-7657 (Terry) 5%-40% discounts on precision instruments, hand tools, cutters, etc - depending on brand and quantity

The Woodworkers Store (All 4 Twin City stores) 10% discount on regular priced merchandise at the stores. Discount does not apply to power equipment or power tools. Not valid on sale merchandise or in conjunction with any other promotional offers.

Valspar Paint (612) 827-1787 (Kevin) 20% discount on all consumer paint products, stains, finishes, tack cloths at all 3 Twin City locations.

Warner Industrial Supply (612) 378-7300 (Dan Shea) 10% discount on 3M abrasives, Lacquers, custom made bandsaw blades, Bosch router bits, various brands of hand power tools, etc

Woodcraft 9741 Lyndale Ave S, Bloomington, MN (612) 884-3634. A 10% discount on all woodturning supplies will be given to MWA members on the days of meetings or demonstrations held at the store

Youngblood Lumber Co. (612) 789-3521 Refer to their catalog for entire stock listing and then ask Customer Service for current wholesale prices.

Looking for a source for wood turning supplies and related items?

Here is a list of suppliers and toll free numbers, those marked with an * will send you a catalog at no charge. This is a list of suppliers that Paul Keller and Dave Schneider have used, it is not meant to be an endorsement for these firms, but rather a source for information.

***Bonham's Woodworking Supply, Inc.**

1916 Morningside Drive, Garland, TN 37042. TEL: 214-278-2097. Pan Parts and Turning Supplies

***Craft Supplies USA**

1287 E. 1120 S., Provo, UT 84606. TEL: 800-551-8876. Lathes, Tools, and Woodturner's Supplies

***Constantine**

2050 Eastchester Road, Bronx, NY 10461, TEL: 800-223-8087. Tools and Supplies.

***Esco**

Complete line of metalworking tools and equipment 1-800-873-3626

***Garrett Wade Co.**

161 Avenue Of The Americas, New York, NY 10013. TEL: 800-221-2942. Woodworking Tools.

General Machinery

835 Cherrier, Drummondville, PQ J2B 5A8, Canada. TEL: 819-472-1161. Machinery.

Glaser Engineering

P. O. Box 95, El Segundo, CA 90245-0095. TEL: 310-823-7128. Custom Turning Tools and Saws/ Chucks.

Granger W W

1721 Marietta Blvd. Atlanta, GA 30318. TEL: 800-323-0620. Motors, Controls, Tools.

***Harbor Freight Tools**

3491 Mission Oaks Blvd, Camarillo, CA 93011-6010. TEL: 800-423-2567. General Tools.

***Highland Hardware**

1045 N. Highland Avenue NE. Atlanta, GA 30306. TEL: 404-872-4466. Lathes, Turning Tools, and Woodturning Supplies.

***JWB Enterprises Inc.**

25275 Hoffmeister, Boring, OR 97009. TEL: 503-658-3409. Faceplates and Toolrests.

***Klingspor Abrasives Inc.**

2555 Tase Blvd. SE, Hickory, NC 28603-2367. TEL: 800-645-5555. Abrasives.

***Klockit**

P. O. Box 636, Lake Geneva, WI 53147. TEL: 800-556-2548. Clock Kits, Hardware and Accessories.

***Lab Safety**

Personal safety equipment 1-800-356-0783

***Lee Valley Tools**

5511 Steeles Avenue W. Wester ON M9L 1S7, Canada. TEL: 613-596-0350. Tang and Lee Valley Lathes and Tools.

***Liberon Supplies**

P. O. Box 86, Mendocino, CA 95460. TEL: 800-245-5611. Hot Stuff Glue and Finishing Supplies.

Merit Abrasive Products

201 W. Marville, Compton, CA 95224. TEL: 800-421-1936. Power-Lock Sanding Discs.

***Micro-Mark**

340 Snyder Avenue, Berkeley Heights, NJ 07922-1595. TEL: 800-225-1066. Small Tool Specialist.

Norton Co.

1 New Bond Street, Worcester, MA 01606-2698. TEL: 508-795-5000. Abrasives.

Oswey Manufacturing

241 Montooth Avenue, Stratford ON N5A 2P6, Canada. TEL: 800-565-7288. Lathe Chucks and Accessories, Tool Sharpening Systems.

***Packard Woodworks**

P. O. Box 718, Tryon, NC 28782, TEL: 704-859-6762 or 800-683-TURN. Woodturning

Tools and Supplies.

Powermatic

619 Morrison Street, McMinnville, TN 37110. TEL: 615-473-5551. Woodworking tools and lathes.

***Seven Corners Hardware**

Power equipment plus a very complete hardware store. St. Paul, MN. 612-224-4859.

***The Woodworkers' Store**

4365 Willow Drive, Medina, MN 55340. TEL: 612-478-8213 or 800-279-4441. Tools and Equipment.

***Tower Hobbies**

Complete line of hobby supplies, ea glue, epoxy glue. 1-800-637-7503

***Travers**

Metalworking and measurement equipment 1-800-221-0270

Turncraft Clocks Inc.

P. O. Box 100, Mound, MN 55364. Clock Movements.

The Turning Post

394 E. 2000 N., Ogden, UT 84414. TEL: 801-782-2010. Pen Plus and E-Z Vacuum Chuck.

***Woodcraft Supply**

210 Wood County Industrial Park, Parkersburg, WV 26102-1686. TEL: 800-223-1153. Woodworking and Woodturning Tools and Supplies.

Woodfast Machinery

912 Port Road, Woodville 5011, Australia. TEL: 08-45-2577. Woodturning Supplies, lathes.

MWA Board

President:

Mel Turcanik (507) 634-7570

Vice President:

Duane Gemelke (612) 566-8516

e-mail:

Duane.gemelke@corp.honeywell.com

Treasurer:

Ron Meilahn (612) 633-8902

Program Director:

Ed Johnson (612) 224-4194

Newsletter Mailing:

John Ratliff (612) 770-6471

Librarian:

OPEN

Member-at-Large

Don Wattenhofer (612) 572-1045

Secretary:

Gordon Miller (612) 484-5052

Newsletter Editor/Membership:

Don Robinson (612) 441-8207

e-mail: dmrob@worldnet.att.net

Member Helpline

Do you have a question or need help with a project or turning? The following members have volunteered to try and answer your questions or point you in the right direction.

Mel Turcanik	(507) 634-4886
John Engstrom	(612) 475-0307
Jim Jacobs	(612) 437-2302
Ed Johnson	(612) 224-4194
John Magnussen	(612) 477-6294
Dave Schneider	(612) 834-4667
Don Wattenhofer	(612) 572-1045

If any others wish to volunteer for this list please call Don Robinson @ 441-8207.

Notice to all you members !

Send me your thoughts, articles and photos of your work. It's always interesting for us to read about what's being done by the members of the club.

Even a brief outline and sketches would be great and I can help with the final article.

Pictures have always been a problem for the copier to reproduce clearly. To eliminate this problem we are working on the possibility of printing a single photo page separately then inserting it into the regular newsletter.

The newsletter is still being copied by Paul Keller free of charge at his employer's office. **A big THANKS to Anderson Windows inc.**

Don Robinson

MINNESOTA WOODTURNERS ASSOCIATION

LIBRARY INVENTORY

V C R TAPES

1/4/98

No.	TAPE NAME	CRAFT PERSON
1	Turning Projects by Richard Raffan	Raffan
2	Turning Wood by Richard Raffan	Raffan
3	Hollow Turning by John Jordan	Jordan
4	Bowl Turning by John Jordan	Jordan
5	Hollow Turning, No 3	Ellsworth
6	Lathe Mods, chucks, shop, No 2	Ellsworth
7	Sharpening gouges chucks bowl No1	Ellsworth
8	Tools for hollow turning No. T	Ellsworth
9	AAW Symposium, 1992 & 1994	AAW
10	Hollow Vessels, Demo 9-93	Berglund
11	Ben's Mill, Sound, Woodwrights	TV
12	Bonnie Klein Demo 4-17-93	Klein
13	Melvin Firmager Demo 3-21-94	Firmager
14	Rude Osolnik Demo 3-26-88	Osolnik
15	Rod Croncite Demo, Vases, 4-14-93	Croncite
16	Fun at the Lathe	Timbe
17	Hooked Tools, & Birdhouse	Allshouse
18	Jordan Demo 5-11-90	Jordan
19	Bowl Turning by Del Stubbs	Stubbs
20	Mode Demo, 1988, Stewart Tools	Mode
21	Vic Wood Demo part A, 6-19-93	Wood
22	Vic Wood Demo part B, 6-19-93	Wood
23	Russ Hurt Demo, Spring 92	Hurt
	Harvesting Wood Berglund, Lossing	
	Hollow Vessels, Magnussen	
24	Finishing, Burl Bowl Demo, Resche	Resche
25	Pens, Eggs, & Basic Turning	Kachelmyer
26	Threads, Tops, Chatter Tool & Shear Scraping	Don, Paul Willie & Ron
27	Alan Lacer Demo, Boxes	Lacer
28	Wattenhofer Demo, hat 4-30-94	Don W.
29	Vic Wood Demo 6-19-93	Wood
30	Demos, R. Hurt, 4-89, & R. Kent 5-89	Hurt, Kent
31	Hosaluk Demo, Part A Bowls 3-94	Mike H.
32	Hosaluk Demo, Part B Bowls 3-94	Mike H.
33	Michael Hosaluk Demo, 3-26-94	Mike H.
34	Demos, Berglund 9-90, Hedlund 1-90	John & Dave
35	Mike Darlow No. 1, Theory, Spindles	Darlow
36	Mike Darlow No. 2, Spind, Cup Chuck	Darlow
37	Mike Darlow No. 3, Faceplate, Bowls	Darlow
38	Mike Darlow No. 4 Tools	Darlow
39	Michael Mode Demo, 4-15-95	Mode
40	Craig Lossing Demo, 9-16-95	Lossing
41	Christian Buchard Demo, 4-20-96	Buchard
42	Kachelmyer Demo, Bowls	Paul K.
43	1995 AAW Symposium, Techniques	AAW
44	1995 AAW Symposium, Gallery	AAW
45	1996 AAW Symposium, Techniques	AAW
46	1996 AAW Symposium, Gallery	AAW
47	Russ Hurt Demo, 3-97	Hurt
48	Clay Foster Demo, 5-97	Foster

Future Meetings:

Feb. 10, 1998 - Tuesday
6:30 to 9:00 PM
@ The Woodcraft store in
Bloomington -
9741 Lyndale Ave. So.

There will be a short business meeting and time for show-and-tell and also the wood raffle.

Our demonstrator will be club member Alan Lacer. He will give a slide presentation showing traditional Japanese methods of turning. This should give us an excellent chance to observe new techniques.

Remember to bring wood for the wood raffle if you can find a spare piece in your shop.

March 14, 1998 - Saturday
9:00 AM to 3:00PM
@ The Woodworkers Store
3025 Lyndale Ave. So
(Lyndale and Lake St.)

This meeting will be on a Saturday and will feature Judy Ditmer from Ohio. Judy is a well known professional turner specializing in jewelry and lidded boxes. She will demonstrate how she designs her projects and explain how she goes about problem solving to make her turning more efficient.

This session will be a 5 hour demo of her specialties. There will be a charge of \$20 for members and \$30 for non-members. There also is a limit of 30 attendees. I expect this to be a very interesting demo.

Get your checks in to Ron Meilahn or one of the board members ASAP !!

Note: There will be a wood raffle so bring a chunk if you can.

April 14, 1998 - Tuesday
6:30 to 9:00 PM
@ The Woodcraft store in
Bloomington -
9741 Lyndale Ave. So.

Dick Enstad will give us a demonstration on the use of a treadle lathe. Should again give us an appreciation for an alternative method of turning.

Along with the demo we will have another Easter Egg challenge. Two years ago when we had the last challenge we saw some excellent examples of creativity and talent. As we did in the first Egg challenge we will use the egg turnings for show and tell.

You may enter more than one egg if you wish. The judging categories will be:

Largest
Smallest
Most Perfect Shape
Most Unusual
Most Creative
Most Colorful
Best Finish

This promises to be a fun evening with lots of different turnings for us to view.

Remember to bring wood for the wood raffle if you can find a spare piece in your shop.

Sat., May 9 @ Woodcraft

Bonnie Klein, a professional turner, will give a 5 hour demonstration. If you have viewed any of her tapes in our library you know this will be a very interesting session.

She will demonstrate chatterwork, threaded boxes, small projects and some basic tool sharpening.

There will be a charge of \$20 for members or \$30 for non-

members. Seating is limited to 40 attendees.

Get your checks in to Ron Meilahn or one of the board members ASAP !!

Note: There will be a wood raffle so bring a chunk if you can.

Bonnie will also be conducting a class on screw making for a limited number of students on May 10th. Contact the Woodcraft store for details if you are interested.

We are still planning the meetings for June and July.

For the August meeting we will again have a family picnic at Jon Magnussen's house. This year the challenge will be to turn a frisbee. The categories for judging will be:

Largest
Best Design
Best Finish
Most Colorful
Most Exotic
Thinnest
Longest Actual Flight

The frisbee turnings will be used for show-and-tell.

Note: There will not be a wood raffle at this meeting.

If any of you have any thoughts on topics and/or specific demonstrators you would like to see in future meetings please pass them on to one of the Board members.

FOR SALE

Classified Ads

Turning related ads are free to members. Commercial ads are billed at \$4 per month, per column inch. To place an ad, call Don Robinson 441-8207.

Ads will run one month unless you call to extend your ad each additional month. Submission deadline is the 1st of the month prior to publication. (i.e. The 1st of Aug, Oct, Dec, Feb, Apr)

FOR SALE

Incredible Wood!

Fantastic Prices!

Bocote	\$11/bdft
Mex. Cocobolo	\$15/bdft
Guat. Cocobolo	\$24/bdft
Osage Orange	\$6/bdft
Paela	\$8/bdft
Granadillo	\$11/bdft
Ziricote	\$15/bdft
Lignum Vitae	Cheap
Chechen Burl	\$5/pound
Ramone Burl	\$5/pound
Paela Burl	\$7/pound
Ziricote Burl	\$5/pound

Other figured woods also available

Call Craig Lossing
(612) 785-4194

For Sale

Set your bevel grind angles accurately with steel gauges. Each gauge has two angles:
25°/30° and 35°/90°
Price - \$16 for two gauges

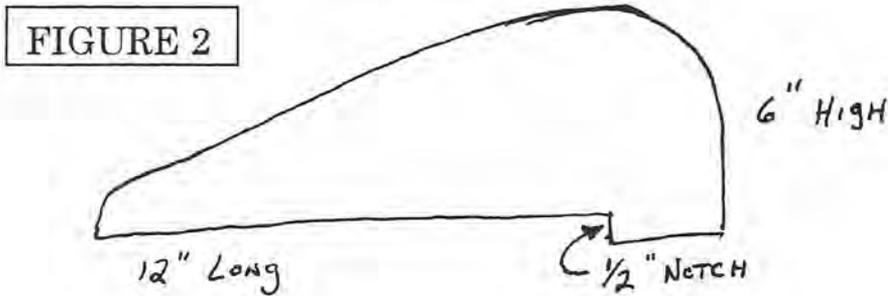
Exotic Hardwood 50% Off
6 Pieces 1 ½ x 22 in. long
Assorted types in bundle
Now \$12 per bundle

Call Chuck Pitschka
935-0660

Membership Application/Renewal MINNESOTA WOODTURNERS ASSOCIATION			
Name (Please Print)	Telephone #	Date	
Address	City	State	Zip Code
<p>Dues are \$20 Yearly (starting in January) But \$10 after July 1st (2nd half year)</p> <p>Amount Enclosed: \$ _____</p> <p>Please Check: Renewing Member <input type="radio"/> New Member <input type="radio"/></p> <p>Are you a member of the AAW? Yes <input type="radio"/> No <input type="radio"/></p> <p>You will receive all issues of the newsletter starting with the next mailing after you join along with a new members kit.</p>		<p>I would be willing to:</p> <p>Help out at meetings <input type="radio"/></p> <p>Be on a planning committee <input type="radio"/></p> <p>Help at demos/shows <input type="radio"/></p> <p>Serve on the Board <input type="radio"/></p> <p>Contribute to newsletter <input type="radio"/></p> <hr/> <p>Mail To: MN Woodturners Association c/o Ron Meilahn 1638 23rd Ave NW New Brighton, MN 55112</p>	

Member-Articles Page

The following article and sketches were submitted by Jim Jacobs. Jim is a cabinetmaker as well as a woodturner so he has put the ideas to practical use. Jim says, "I read about the table saw accidents in a previous newsletter. Here's a design for a push-stick that works quite well when ripping lumber on the table saw. I make them from $\frac{1}{4}$ " plywood for strength. The nice thing about this is your hands are well away from the blade and the length of it keeps the board tight to the table." (See FIG. 1)



Another simple jig from Jim is a feather-board made from $\frac{3}{4}$ " pine lumber. The feather-board will keep the workpiece snug against the fence when ripping lumber on your table saw. It can be used along with the push-stick shown above.

Figure 2 shows the dimensions for making one of your own. Figure 3 shows how a top view of your table saw looks when you put this jig to use.

Thanks for these helpful tips, Jim.

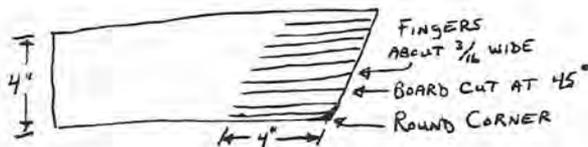


FIGURE 2

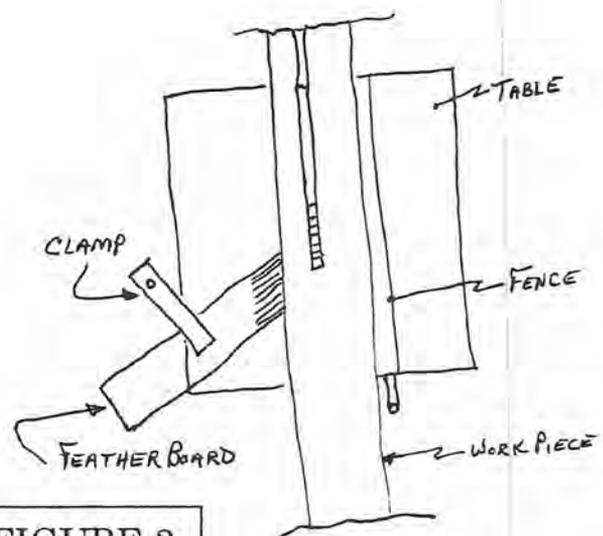


FIGURE 3

Minnesota Woodturners Association

Dedicated to providing education, information and an organization to those interested in woodturning.

The Minnesota Woodturners Association was formed in 1987 with approximately 25 charter members and now has about 100 members. The Association is non-profit and all work by members is done voluntarily.

The skill level of our members ranges from complete beginners to skilled professionals. Membership includes a few professionals but hobbyists make up the majority. The members live mostly in the Twin Cities metro area, however there are members in all areas of Minnesota stretching into western Wisconsin.

The Association normally schedules meetings once a month during fall, winter and spring of the year. (September thru May) The meetings are normally held on Tuesdays or Saturdays and the group meets in a different location each time. The meeting locations vary from members shops, educational associations, to the various woodworking stores located throughout the metro area.

The Newsletter is published bi-monthly, 5 times a year, excluding the months of July/August

The meetings usually consist of some sort of turning demonstration or related subject. The subjects of the demonstrations vary from basic techniques to advanced levels. The meetings are always open to questions from the members and we invite and encourage them to share their knowledge and skills freely. The Association tries to arrange at least one professional demonstration each year, with past professional demonstrators coming from all areas of the United States, England and as far away as Australia.



Editor
Minnesota Woodturners Assoc.
13400 Island View Dr
Elk River, MN 55330



First Class Mail