



MINNESOTA WOODTURNERS ASSOCIATION

in association with the American Association of Woodturners

JAN./FEB./MARCH, 2000

John Magnussen was nice enough to donate his shop for the day and it turned out to be a beautiful one at that. Woodturners from across the metro area turned out for a day packed with activities.

The November meeting started out with a meeting held by president Mel Turcanik in which we went over club business for a short while.

This was a big group of people and there were many activities going on along the sidelines. There were over \$100 in glue sales and almost \$50 earned in the silent auction and wood raffle. Don Soll became a new member and stayed with the rest of the members for the day's activities.

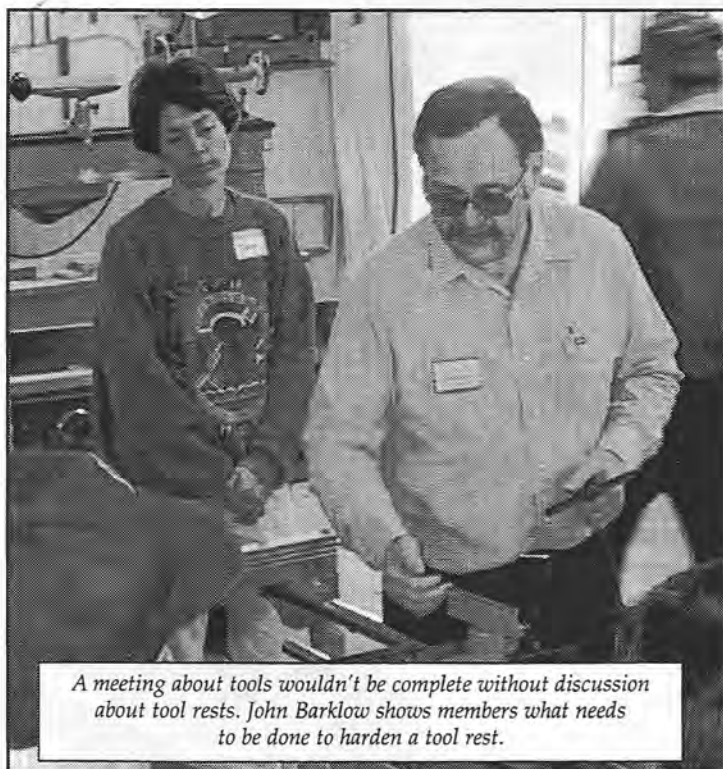
IT'S TOOL TIME!

John M. donated an antique lathe to the AAW during the meeting. Mary Lacer was on hand to take the lathe to the AAW office.

The day's topic was tools. Hal Malmlov showed an excellent display of regular woodturning tools that had been hand



Mel Turcanik shows off Michael Barklow's wonderful mini-mini lathe.



A meeting about tools wouldn't be complete without discussion about tool rests. John Barklow shows members what needs to be done to harden a tool rest.

made. The handles were of standard length but had a nice innovation within. Inside of their approximately 18 inch handles, each had been bored out and filled with lead shot. This

was done to deaden vibration and was said to work well.

Shortly thereafter, John Barklow spoke of tool rests. He offered very useful information about how to take care of your tool rest and how to improve it. It is important to keep a level top edge on your tool rest. Be watchful for nicks and dings in the surface of your tool rest. It can cause your tool to stick and catch on the tool rest. Your woodturning will suffer.

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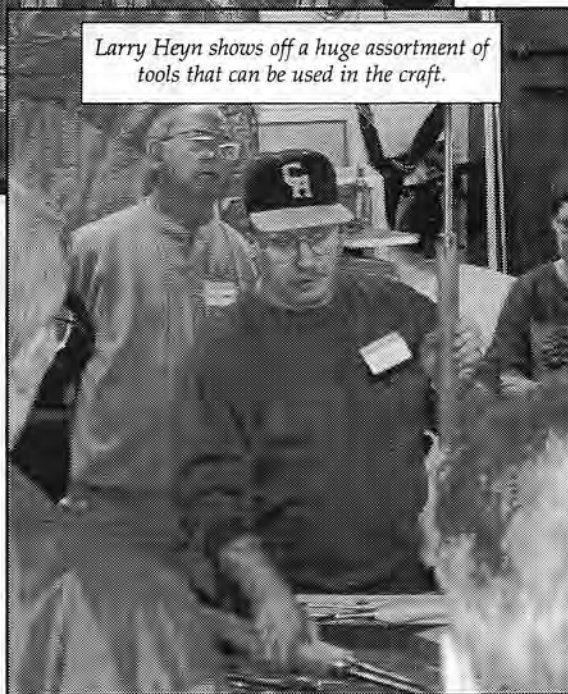
Duane gives members a few pointers on proper tool usage at the meeting.

It's a pretty simple matter to improve the surface of your toolrest. Simply take a metal file to the top surface. Keep the angle straight and true and run it the length of the tool rest. File until the surface is smooth and nick free.

Larry Heyn spoke and showed everyone gathered different types of tools used in making hollow forms. His tools covered the entire gambit. There were homemade tools made from drill rod. These are the same type of tools used by David Ellsworth. A video is available from the club for rental if anyone is interested in learning more about David's tool technique.

Many of the tools that Larry enjoys using most are very simple tools. High dollar tools are not necessarily the best tool for the job. The majority of Larry's tools were straight or bent tools made from drill rod with a hole in the end. The hole was drilled into the end of the steel at various angles. The angle depended on the specific use of the tool. The hole was the appropriate diameter to take a cobalt steel tip. The tip and

Larry Heyn shows off a huge assortment of tools that can be used in the craft.



only the cobalt steel tip does the cutting.

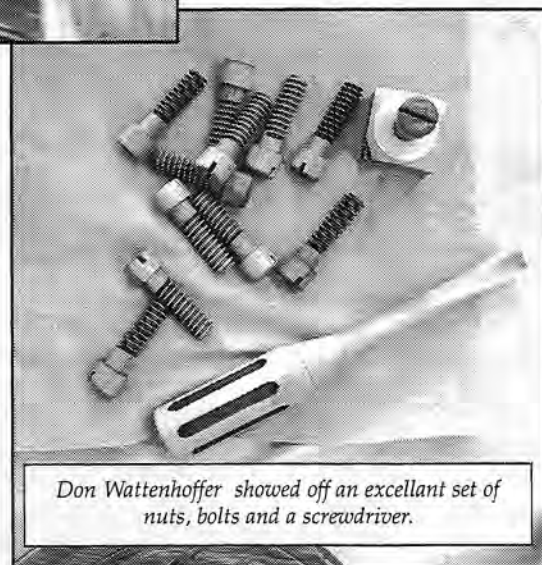
Larry prefers the tip be cyano glued in rather than using set screws. Set screws can become stuck because of the high tannin content in the wood, thus rendering the tool useless. The tip would not be able to be removed for sharpening or to change out for a fresh one.

These tools are what the afternoon session was about.

Duane Gernelke took us thru the basics of making our own simple replaceable-tip scraper. For a small fee of \$5, each member was able to take home a scraper they had made. Duane did an excellent job organizing this event. He was responsible for getting the materials (tips, bar steel, wood handle stock, etc.) and making this "build-it-yourself" workshop happen. Thanks, Duane.

Members turned the handles while others got a crash course on learning to drill and tap steel for the set screws. Multiple lathes were hard at work drilling tool holes and shaping handles. Grinders and sanders with buzzing as members shaped tips and made scrapers from drill rod. Within a few hours we had a hand-made tool to take home.

As usual, an instant gallery popped up. It was well worth taking a closer look. Duane had brought a couple of his multiple cut pieces. Duane turns a 6-9" piece full of beads and coves and then cuts the platter in dozens of pie shaped pieces. The pieces are then reassembled into a beautiful piece of art. Very nice! There was another hidden instant gallery for all those that had too much coffee. On the way to the bathroom, we all got a chance to walk past John's



Don Wattenhoffer showed off an excellent set of nuts, bolts and a screwdriver.

Tools, tools tools! Take a close look, everything from home made, shot-filled tools to Robert Sorby tools were on display at the November meeting.



woodturning gallery. John has a beautiful built-in cabinet in his basement that has subdued lighting and glass shelves.

Michael Barklow also displayed a small hand-made lathe in the instant gallery. This lathe is a actual turners lathe. Michael turns VERY small platters, goblets and vases on this lathe. The tools are actual dental tools. Many of his turned pieces are no more than an 1/8' of an inch tall. Michael said it's not unusual to loose a piece in the shavings while parting in off.

A beautiful fall afternoon and a wonderful shop with fellow enthusiasts learning more about turning. Does life get any better? Also, a hearty thank you goes out to John for the use of his shop, tools and sanding belts.

Make those small turning tools

Come on! Get into turning small hollow forms. It's not as hard as you think and the tools don't have to be expensive.

Here are a great way to make small hollow form turning tools.

What to do with all those old hex wrenches? Make a handle for it and turn it into a small hollow-form turning tool. Simple insert the long end into a handle and grind the short end into a scraper. The steel is usually pretty hard and even if they don't last long, they didn't cost much. Most of us have a bunch of them laying around that we haven't used in quite a while.

For those of you that were at the November turners meeting, there was a wonderful display of small tools. Old dental tools can be ground to do great detail work and small hollow forms. Try Axe Man to get your dental tools.

MINNESOTA WOODTURNERS ASSOCIATION MEMBERSHIP

☐ YES! I would like to be a member of the Minnesota Woodturners Association. I understand I will receive all issues of the newsletter starting with the next mailing. I also understand I will be receiving a new members kit if applicable. The fee is \$25.

☐ AAW Member? ☐ New Member ☐ Renewing Member

Name _____

Address _____

City _____ State _____ Zip _____

Home Phone _____ Date _____

I am interested in:

- ☐ Helping out at meetings
- ☐ Being on the planning committee
- ☐ Helping at demos and shows
- ☐ Serving on the board
- ☐ Contributing to the newsletter

Notice! The potential for accident or injury does exist! By signing below, you agree to accept full and all responsibility for any accident, injury, or loss which may occur to you at the meeting or meeting site, and to release from liability the "Minnesota Woodturners Association", all members and officers of the "Minnesota Woodturners Association" and any person, company, or entity associated with the location where the meeting is held.

Signature _____

Mail this application to: MN Woodturners Association, % Ron Meilahn,
1638 23rd Ave. NW, New Brighton, MN 55112

If you missed this years Chritams party, it's a shame. Over 40 members of the Minnesota Woodturners Association showed up to take part in a fun filled evening.

For those that traveled a distance for the meeting, there was a large buffet table set up for food. Thanks goes to Barb Bergersen for all of her efforts at coordinating the food table.

We would also like to thank the members of the club for generously contributing to the donations box. This was the first time a donations box has been set up at a meeting. The reason for the box is to help offset the expenses of running a club event such as this Christmas party. Thanks to all that contributed. It will help bring the club budget in line and help to keep the cost of dues low!

A toys for tots table was set up (shown below). These toys were built by members of the club with the intent of being given to the US Marines for the Toys for Tots pro-

A Woodturners Christmas



Members take a close look at the the Toys for Tots display table.



gram. Over 20 toys were made by members to be given away.

A gifts exchange was also held for members. If a member brought an item for the gift

Bob Picek's castle was one of the pieces in the Toy's for Tots program.



Ron Melein is on the receiving end of the club's new gavel which will be used when the club is conducting official meetings.

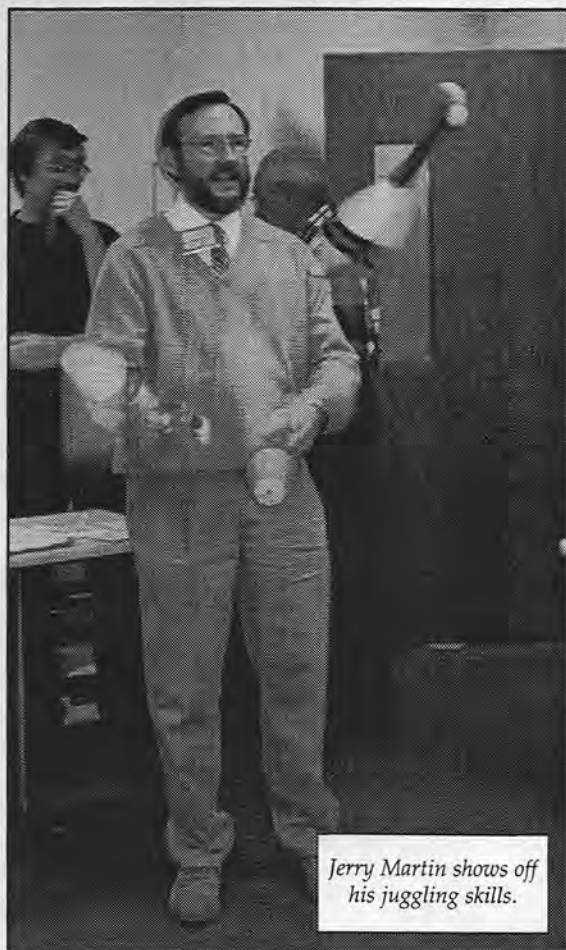


exchange, then he/she was eligible for the gift exchange prize drawing which was held later that evening. Every member that gave a gift, would also get a gift and then be eligible for the prizes.

Donations from local merchants included: exotic woods, woodturning tools, calipers, glue, books, etc.

Of special interest on the show and tell table was Jerry Martin and his juggling pins. At right is a picture of Jerry juggling some of his full-size pins. The pins that he had turned however were wonderful miniatures. They were exactly turned and only 1/2" long.

If you were not able to make this year's Christmas party. Make sure to make the extra effort next year. It's a great way to spend a cold winter's eve.



Jerry Martin shows off his juggling skills.

Contacts

The activities of this club are the product of many volunteer efforts by a number of people. The following individuals have volunteered to help out from time-to-time in various ways. Please let them know you appreciate their efforts when you see them. Also, if you would like to volunteer, just let Mel T. know and he will add you to the list. These committees don't meet unless there is work to be done, so the time commitment is minimal. Our appreciation is maximal.

GROUP PURCHASE COMMITTEE

Bruce Arones651-433-5364
Larry Heyn612-571-2117
Ron Meilahn651-633-8902

WOOD RAFFLES

John Ratliff651-770-6471
Wayne Keifer612-496-1280

MENTORSHIP

John Magnussen612-477-6294
John Engstrom612-475-0307
Jim Jacobs651-437-2302
Tom Shields507-625-4186
Roger Ronsen612-890-8713
Mel Turcanik507-634-7570

GLUE SALES

Hal Malmlov612-831-7676

MEMBERSHIP SERVICE

Ron Meilahn651-633-8902
Bruce Arones651-433-5364

LIBRARY

Linda Ferber651-454-5774

REFRESHMENTS

Duane Gemelke612-566-8516
John Ratliff651-770-6471

PROGRAMS

Bob Picek651-439-0657
Mary Lacer651-483-6428

PERMANENT SITE SEARCH

Duane Gemelke612-566-8516
Mary Lacer651-483-6428
John Ratliff651-770-6471

NEWSLETTER

Todd Schweim612-941-9492
John Ratliff651-770-6471

VIDEO

Jim Jacobs651-437-2302
George Dupre715-448-3002
Bob Picek651-439-0657

Collaborative Challenge Project

by Don Wattenhoffer

This year the Minnesota Woodturners Association got involved and turned out what we think was a respectable piece. The process started out at the December 1998 Christmas meeting when we asked for and got many different ideas. I think it was Mel Turkanik who suggested the Chandelier and it seemed that it was immediately the favorite.

The next piece of business was to appoint someone to head up the project and that ended up being yours truly (Don Wattenhofer). We also passed around a sign up sheet for people to work on the project and that initial list included: Duane

Gemelke, Boyd Annis, David Bovee, Jim Jacobs, Don Wattenhofer, Larry Heyn, Hal Malmlov, John Engstrom, Craig Lossing, John Magnussen, Ken Tempero, Mel Turcanik, Allan Lacer and Mary Lacer.

In January most of the people on the list met at my home to come up with a design. After a lot of discussion, we ended up with a sketch that looked something like what we had in mind. The decision was made that I would put all of our ideas into a CAD drawing and present that at the March meeting.

At the March meeting I had a pasted up full size drawing of



the chandelier, which everyone present liked. The people present had a lot of good ideas as to how to put it together and the best one was figuring out how to put a hole through the center of the curved arms.

The drawings were not so usable in the form that I had them so Linda Ferber, who works for an industrial copy/graphics company, volunteered to print the drawings full scale. The assignments were made for the various pieces and a few more people also volunteered; Ed Johnson, Bruce Arones.

John Barklow, Al Gaskell, Chuck Pitschka, Ron Meilahn and Stephen Vadnais.

At the April & May meetings we collected pieces and toward the end of May many of the volunteers met at my shop on a Saturday and assembled the unit. The transformer and the #57 lamps were donated by member Mike Lucido and his employer United Electric. Chuck Pitschka set up the loose pieces outside and photographed them before assembly.

The chandelier went through several photo sessions before we packed it into the back of my truck for the trip to Tacoma. I arrived at the sym-

posium on Thursday afternoon about 4:00 and proceeded to unload. Duane Gemelke and Bruce Arones were already there so with the help of our wives we were able to set the unit up in about an hours time. The photo is how it appeared on display.

The competition from other clubs left us without a prize, but the auction of the piece at the banquet brought \$900 for the AAW education fund from Mr Harvey Fein of Long Island City, N.Y. Mr. Fein is the owner and president of a company that make and distributes interior window treatments and he indicated that he would install the chandelier in his office.."

President's Letter

Happy New Year!

I hope the holidays were happy and relaxing for all of you and your families. I know that those who attended the holiday party had a good time and went home with some fine presents. The piece I received in the gift exchange is occupying a prominent position along with other treasured turnings in our home.

I'm looking forward to our February meeting to see what jigs, chucks etc. were under the Xmas tree. We have some new volunteers on the board and there is a lot of new enthusiasm for even more exciting activities this year.

We have a new collaboration to work on for this year's AAW chapter challenge and we will be soon starting the planning process for the AAW symposium in 2001 to be held here.

We will need all the volunteers we can attract, so if you want to be involved in any way, please let me know. Most of the help we will need will be during the symposium itself, July 5-8 2001. Mark those dates now, you won't be sorry.

Woodturners are the greatest people in the world to work with and most of the help we'll need will be pretty low tech, like sweeping up, etc.

The first organizational meeting will be 1/22/00 3pm @ 3499 Lexington Ave. N. Suite 103, Shoreview. Be there if you can. Happy turning in the New Year!

Mel Turcanik, President
Minnesota Woodturner's
Association

Our Club is Growing!

The Minnesota Woodturners Association is growing! Below is a list of some of the new & renewing members of our club. Welcome them to the club.

NAME	FROM	DATE JOINED
Tom Larson	Brainerd, MN	10/99
Jerry Lilja	Roseville, MN	11/99
Fred Maves	Eagan, MN	12/99
Harold Pedersen	Wyoming, MN	12/99
Jerry Rauch	New Brighton, MN	10/99
Tom Savereide	Hudson WI	10/99
Leo Schmeltzer	Shoreview, MN	10/99
Dave Schneider	Eden Prairie, MN	12/99
Tom Shields	No. Mankato, MN	10/99
Don Soll	Anoka, MN	11/99

UPCOMING EVENT

February Meeting

When: Tuesday, February 22, 2000 6:30PM

Topic: Products ... Share Your Knowledge, Learn Something New!

Where: Norwest Bank (New Brighton, North of Silver Lake Road and 694)

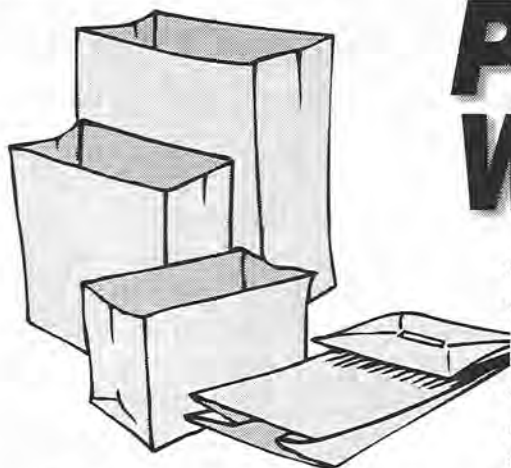
What to bring: Tools, chucks, homemade jig's, etc.

Agenda: For each category, MWA members are encouraged to discuss features what you like/dislike, insight's (hidden technique's), answer questions.

Tool's (Basic Set ... what does a beginner need, and so forth ...); Sharpening (Jigs, Grinders, Stones); Chucks (Think of all way's to chuck ... sorry, no fury wood-chucks allowed!); Homebuilt Jig's (Show and Tell); Specialty (Ornamental, Tool Rest's)

Lathe's (Homebuilt, Manufactured, Mini and Small, Medium, Heavy Duty, Specialty)

Questions: Call Bob at 612-814-3631, 651-439-0657



Paper Bag Wood Drying

faster/cheaper way to dry wood efficiently, I discovered a way to speed up bowl drying in paper bags. I frequently use this method to dry bowls when I'm short on time. It is quick and cheap yet it offers little to no degradation of the subject timber.

seems to favor.

One draw-back to the paper bag method, the bowl is "out of sight" while it is drying. Somewhat like the expectant father, I like to keep an eye on my bowls. Yes, you can open that bag up, but when there are hundreds and hundreds of bowls in bags, the task becomes somewhat daunting.

Therefore, not content to leave this process well enough alone - I decided to try to improve the system by reducing the time between green timber and dry bowls. I found a way to help the water vapor inside the bag escape, without leaving as fast as in-laws do when all of the party food is gone.

Looking at the test pile of bowls and platters, (various species, sizes and thicknesses) I set up a 16" variable speed fan to sweep across the stacks. The fan was set to run (24 hours a day) on high. I enabled the variable direction sweep function to minimize any drying winds. The idea was to sweep the air across the stacks, keeping the fan blown air moving in and around the stacks.

The theory being that the moving air speeds the drying of the exterior surface of the bag, which allows more water vapor to make its way through the bag walls. This, in turn allows more water vapor to be released by the bowl, which dries the piece faster. Additionally, the bag acts to protect the bowl endgrain from drying too fast from the fan-forced winds. Of course, the bowl will only release the free bound water at a certain rate in a static method like this.

The result was a complete success! Some of the test pieces dried up to 25% faster without degradation when compared to standard paper bag dried pieces without the forced air fan. A few pieces at the front of the stacks (where the swept air was more

The following article was compiled from a woodturning discussion group on the internet. The basis of the article comes from Steven D. Russell of The Woodlands, Texas. He has been hard at work trying to find the perfect method of getting the water out of wood! We would like to thank him for the information contained in this article.

Steve has tried and uses the following methods for drying wood: boiling, freezing, direct fire assisted drying, bare bowls in paper bags, endgrain sealed bowls in paper bags, endgrain sealed bowls open air dried, Pentracryl applied to bowls and air dried, bare bowls dried in the open air, microwave, mini-kiln, steaming, not to mention combinations of these processes.

In the search for a better/

I dry 90% of my rough turned pieces this way. I date stamp and label the species of wood on every bag. It only takes about 5 seconds per piece. And at the end of a long day of roughing pieces, that sounds very appealing.

It is my theory that a paper bag creates a zone of highly-humidified air around the bowl or platter inside the paper bag. The bowl releases it's free water as water vapor. This water vapor makes its way out of the bag slowly through the paper bag walls. The paper bag walls seem to offer just the right amount of moisture release without compromising the drying process and introducing cracks, fissure or excessive warping. It is a kind and gentle process that the timber

HOT WEB SITES

Come on, if you are on the web and looking for some nice sites to check out, we have a few that you might really enjoy.

Arizona Woodturners	http://www.azwoodturners.org/
New Zealand	http://www.artweb.co.nz/woodturners/
Beginners Guide:	http://www.woodworking.co.uk/Technical/Beginners/beginners.html
Books	http://lindenpub.com/title16.htm
Video's	http://www.beyondwood.com/
Craft Supplies USA	http://www.craftusa.com/
Lathe History	http://www.insidetheweb.com/mbs.cgi/mb198813

concentrated) dried about 30-35% faster without degradation.

None of the fan forced paper bag pieces cracked and warpage was minimal. Other tests have shown that warpage is significantly reduced using this method.

3-6 months in the paper bag 1-2 months if using the fan forced air method) and then 6-9 months of air drying should be about the right amount of time to "dry" the piece. Oh, and that's 1 Byerly's bag or 2 Cub Foods bags. The Byerly's bags are thicker than the Cub Foods bags. Just double bag the Cub Foods bags.

The rate of drying will certainly affect the amount of warpage of the item. Most importantly however, water removal has a great influence on the amount of cracking. Slow drying allows the wood to move and adjust to the volume changes as the water is removed. The more slowly the wood can adjust to the ambient moisture content, the less cracking, splitting and damage there will be.

Immediately upon turning a bowl or platter, place it in a paper grocery bag and roll the top closed. Get the piece in the bag within a few hours of turning. Don't let it set out that first night before bagging. The bag acts like a buffer of sorts and automatically compensates to the various levels of water vapor that are released from the wood blank. Feel the bag the next day after putting a wood blank in it, the dampness can be felt in the paper.

When a bowl is turned, it can be weighed immediately after turning. It can then be weighed every couple of weeks thereafter. The wood is "dry" when it no longer has a weight change in a 2 to 3 week time period. A one inch thick bowl will probably dry in about six months. A good rule of thumb is: wood will dry at a rate of one inch per side per year.

The final moisture content depends on the humidity of where you are located. If you live along the Gulf Coast, the moisture content could be as high as 12%, 6-8% is more likely in the Midwestern states.

Woodturner's finishing recipe #1

Beautiful finish, takes patience though

Ingredients:

FRESH Shellac
Orange (from flakes)

Boiled Linseed Oil
Denatured Alcohol

Mix a 2 pound cut of orange flake shellac.

Mix fresh shellac, boiled linseed oil and methyl hydrate in equal parts in a small drip bottle.

Try this method with a french polish, enjoy!

Cut out recipes and save

Woodturner's finishing recipe #2

A great all-purpose, fast finish

Ingredients:

FRESH Shellac
any color (from flakes)
Woodcraft poly oil

Boiled Linseed Oil
Denatured Alcohol

Mix a 2 pound cut of flake shellac.

Fill the wood pores with shellac while the project is on the lathe. Wipe it on, allow shellac to soak in and wipe off.

Apply two coats and allow to dry overnight. The next day, apply as many coats of poly oil as you like. (Woodcraft brand works well.) Put it on, wipe it off, and allow to dry before the next coat.

Cut out recipes and save

Woodturner's finishing recipe #3

The ultimate finish!!!

Ever noticed that it gets downright difficult to explain to a person how a bowl is finished and yet is food safe. It's tough to explain that while a finish says "Danger - Poison" on the can, it will be "food safe" once all of the solvents have evaporated, but that might take several months. Here is an argument for "bare wood". Bare wood was the finish of choice for several hundred years before the "better living through chemistry" era.

It's a good idea to have a small collection of well used bare wood bowls for display. It greatly helps if a person can really see what happens to the wood as it ages.

if the person is hard to convince and he wants to see the effects of an oil on bare wood, keep a sample of Olive Oil/ Vinegar/ Water salad dressing on hand to demonstrate, they will be a believer after that.

Microwaving Wood

There are many ways to dry wood for woodturning. In this issue we have covered a few of those methods. We have covered using a kiln as well as bag drying wood. In this article we are going to discuss yet another method, microwave oven drying.

First, it is important to remember that this is probably the least desirable method. It relies on good old human virtues to work, thus making it the most difficult. This method requires patience and lot of it.

If you try to hurry microwave drying, disaster will strike and the wood will crack. It can happen at any phase of this drying process. Be patient and take your time. The results will be worth the wait. Heat isn't bad for wood; wood cracks because of too much heat. Just like very aggressive sanding, too much heat from the microwave will crack the wood.

It is a good idea while using this process to remove as much of the wood as possible. Rough turn all of your bowls and goblets. Turn the walls of the piece to within 30% of its final dimensions. Roughing out the center of the bowl and a basic idea of the shape is really all a person is after here. Make sure that the piece can be remounted on the lathe for final turning after microwaving.

The only things needed for this is just about any old microwave, the power doesn't matter because the only settings that will be used is the lowest, the defrost setting. Remember this, only use the defrost setting. If the higher power settings are used the likelihood of cracking the wood goes way up. A scale that can weight down to five-gram increments it also really handy. Weighing

the wood is the easiest way to know if the wood is dry.

The size of the microwave really isn't important, if it will fit in the door and not impede the operation of the microwave, it will work. Don't get crazy, use common sense, if it fits, it should work. This is the process:

- 1.) Weigh the piece of wood. Write down the weight and put the piece of wood in the microwave.
- 2.) Set the microwave on the lowest setting.
- 3.) Use the following guide for time:
8-inch diameter: 1 minute
8-12 inch diameter: 2 minutes
Over 12 inches 3 minutes
- 4.) Remove the wood from the microwave let it cool completely. This will take no less than 1/2 hour. The piece will be warm when it comes out of the microwave, but nothing more. It shouldn't be hot.
This is the end of a cycle.

Repeat steps 2-4 for a total of four cycles. Make sure to check the microwave each time to make sure it is on the lowest settings. It is a common error that the microwave will revert to full power after it has clicked off.

At the end of four cycles, weigh the wood again. Keep repeating this until the wood stops losing weight. At the end of each cycle, make sure that the wood is turned and flipped over in the microwave; the idea is for EVEN, gentle, microwaving of the wood. Keep repeating this until the wood weight remains the same for two of the cycles.

Ooh, I've got a kiln!

Want to make a kiln for that wet wood or for those partially turned pieces? Here is a great way to do it.

Turn those old refrigerators and deep freezers into a kiln. The price is right and it is definitely low tech. Replace the appliance bulb with about a 40 watt bulb. It a good size to start with. Disable the switch so the light stays on all the time when the door is closed. Drill holes in the top and bottom of the chest so air can circulate through the box and if the freezer is on top, make sure to drill holes in that, too. There will need to be quite a few holes.

Disable the compressor. It's illegal to release the refrigerant to the atmosphere, so if the compressor is removed, it must be done by someone with proper equipment to capture the gas. There isn't any need for it. Make sure there isn't a locking latch on it also. It's good sense to make it as safe as possible when their are children in the neighborhood.

That's all there is to it. You may have to increase the wattage of the bulb, but you want the heat to be gentle. Try to get the bulb near the bottom because the heat will rise and go out the top. Increase or decrease the bulb wattage to adjust the temperature within the kiln. Throw a small thermometer inside to check the temp. Right around 85 degrees should be right but it is important to adjust the temp. to your personal tastes.

You're not trying to boil the water out. Most bowl blanks will be ready in 30 days or less.

Make sure to coat the wood and/or the rough turned pieces before putting them in the kiln.

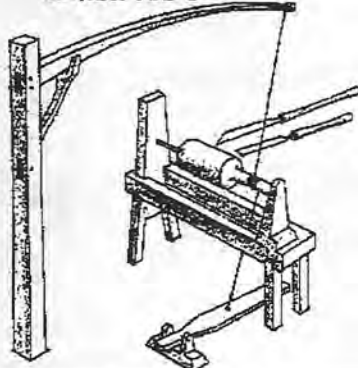
And don't forget to date the blanks. You'll forget after a while.

Hot Tool Tip

Keep a large felt tip marker by your grinder. Tint the surface to be ground on your gouge or scraper with the marker.

Quick checks while grinding will easily show where you've been, or more importantly, where you haven't been.

Springpole Lathe
Circa 1390



Turner's Shavings

Toys for Tots Update

Mel delivered the toys to the Marine recruiting station in Rochester a couple weeks before Christmas. They were very excited and appreciative of our donation.

The Marines were doing a radio promotion and they said they would mention our organization and thank us during that event.

A special thanks goes out to Jim Jacobs for his idea, efforts and coordination.

Recover your Dues through Craft Supply Discount Program

28 members saved over twice as much as their Minnesota Woodturning Assoc. dues by participating in the Craft Supply Discount Program available only through the Association. The next order is tentatively planned for April, 2000. Put your wish list together and SAVE!

'99 MWA Craft Supply Program	April 99	Nov. 99	Combined
# members Participated	23	16	28
Catalog value -Items purchased	\$3,784	\$3,247	\$7,031
MWA cost	\$2,782	\$2,762	\$5,544
Savings	\$1,002	\$485	\$1,487
% Savings	26%	15%	21%

"This program was initiated by Craft Supply in 1998 to all AAW chapters. To qualify, each order had to be a minimum of \$1000, shipped to one address, and one billing method."

Woodturning Ode

Under the shade of a cherry tree,
I sit quietly reading, cat upon knee
The sun is warm, no cloud in the sky,
A perfect day in late July
The hum of the lathe is the only sound,
Then a burst of song reverberates round.
Oh, happy the man by his hobby fulfilled,
Creating beauty with hands that are skilled.
Idly I ponder on what's being made,
Please, no more bowls I'm sorely afraid
We will need an extension to house them all soon.
Whilst others build kitchens, I need a bowl room!
All of a sudden, a crisis, oh dear,
Those words are not fit for children to hear!
I can guess what has happened, no need to explain,
That damned skew chisel has slipped once again!
I put on the kettle then went to the shed
"Cup of tea, dear" was all that I said
and "don't worry about it I'm sure it won't matter
just make it smaller and call it a platter!"
Now I'm in ward 9 with a bowl on my head,
A doctor and nurse by the side of my bed.
The motto of this story is not very long:
Leave him alone when the turning goes wrong!

From: Mrs DC Wier, published in Woodturning

The National Symposium comes to Minnesota

The local chapter meeting is scheduled for January 22, 2000 at 3:00 p.m. in the national offices located at 3499 Lexington Avenue N., Suite 103 in Shoreview.

The chapters from MN, ND, WI, and IL have all been invited and we hope to have a good turnout. We are expecting out-of-town members for this meeting.

This is the beginning of the planning process for the 2001 symposium that will be held at RiverCenter in downtown St. Paul, July 6-8, 2001.

All of the various committees will be formed and we will be looking for Chairpersons of these committees. Mary Lacer is the main contact for the symposium and all the committee chairpersons will work with Mary.

Our conference coordinators, Butch and Pat Titus, do a superb job for us and are well organized. They will be handing out the booklets with all the information. It will give the local members a chance to meet the board of directors and we will be happy to answer any questions people may have.



MEMBER HOTLINE

Do you have a questions 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.

John Engstrom
(612) 475-0307

Dave Schneider
(612) 934-4667

Jim Jacobs
(612) 437-2302

Ed Johnson
(612) 224-4194

John Magnussen
(612) 477-6294

Don Wattenhofer
(612) 572-1045



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Ads will run one month unless you call to extend your ad each additional issue. Submission deadline is the 1st of the month prior to publication.