

MINNESOTA WOODTURNERS ASSOCIATION

in association with the American Association of Woodturners

April 2009



**AAW Gallery of Wood Art
Full article on Page 10**

Minnesota Woodturners Association

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President's Corner



Carole Magnuson

Well, I can hardly believe it. I turned off the heat in the shop today and opened the garage door to what appears to be the impending coming of Spring. It was wonderful to turn without shivering and without the stale air of a wintertime collection of dust, lacquer thinner, winter salt, and whatever else is injected in the corners of the shop. The thought of reclaiming my shop from winter and re-delegating my car to the driveway is really wonderful.

Anyhow, 2009 is off and running. We've had two terrific presentations by club members in February and March. We had nearly 100 members turn out for each event. February's meeting was at American Woodworker Magazine. We do want to thank Tom Casper, the editor-in-chief of the magazine for hosting the event. He and his folks gave us a very warm wel-

come, talked about their terrific line up of magazines and let us get down to the business of having a really fun meeting.

We can't thank Tim Heil enough for his delightful and inspirational demo at the February meeting. I remind all of you though, that despite Tim's choice of turning stock, your own family's furniture is already turned and off limits, except after clear and written spousal permission! When he first talked about how successful repetition was as a way to gain skill, I really didn't get it. After having to do it with fairly precise turnings, I now agree. It's one of the best lessons we can learn.

We packed the house for our March meeting as well. Joe Cornell graciously volunteered to demonstrate the fine top that he makes. We had nearly 100 members and guests show up and his demonstration was so very well received. It goes to show that even very simple projects can hold great interest and have real value.

We have such a wealth of talent within our group. It's even more terrific that people are so willing to share their skills with us. Thanks so much, Joe.

We're getting a handle on our hands-on sessions. We have three club members who have agreed to hold hands-on sessions at their

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shops on a regular basis. We're an amazing way to not only one have any ideas for a turning in the process of distributing the build skills, but to expand the challenge for the picnic? I would lathes to Charlie Prokop, who camaraderie that develops when love to get your input. Also, lives in Maplewood, Will Travis we work next to our fellow club would anyone want to volunteer who lives in Minnetonka and members. There are only two to demo anything special? Bob Jensen who lives in Fridley things we want to accomplish: Please let us know. We have a (we all know that, of course). The first is that we have the couple of holes in the calendar Anyhow, board members Scott hands on sessions on a regular for 2009 and we're already Thornhill and Todd Williams are basis and the second thing is working on 2010. We're open to heading up this project, and we that we have fun with it. That's ideas...and then, of course, you will have dates available soon. what it's all about. can help us execute!

We look forward to getting those We're looking forward to the Thanks and Happy Spring!

Minnesota Woodturners are invited to submit turnings for the Minnesota State Fair 2009. Registration is required and will only be available on-line via the Minnesota State Fair web site at www.mnstatefair.org. Registration opens April 1, 2009 and closes July 20, 2009. It's free and a great way to share woodturning with the community.

I have some personal experience with this that I'll be glad to share with any interested members. You can contact me at tim@heiltruckbrokerage.com.

Stay Sharp,
Tim Heil

Looking for a few turned pieces to be donated to the Gunflint Trail Volunteer Fire Department for a fundraiser. Each summer the GTVFD has a silent auction to raise money to buy firefighting, EMT and rescue equipment. Last year a wood turner donated a small vase, and it went for about \$75 at the auction. In addition to raising money for a good cause, winning the vase made someone very happy.

If you have something you'd like to donate, call Chris Steele at 651-778-3719 or e-mail at chrisonseagull@gmail.com before April 28.

Club Craft Supplies Order Saves MWA Members \$\$

This was our largest order to date with the largest number of people (30) ordering.

	<u>June 2008</u>	<u>February 2009</u>
# of participating members	33	44
Catalog price	\$8,212.83	\$8,847.34
Discounted cost	\$7,107.91	<u>\$7407.28</u>
Total discount	\$1,104.92	\$1440.06

MWA Spotlight of the Month- Garfield "Gar" Brown

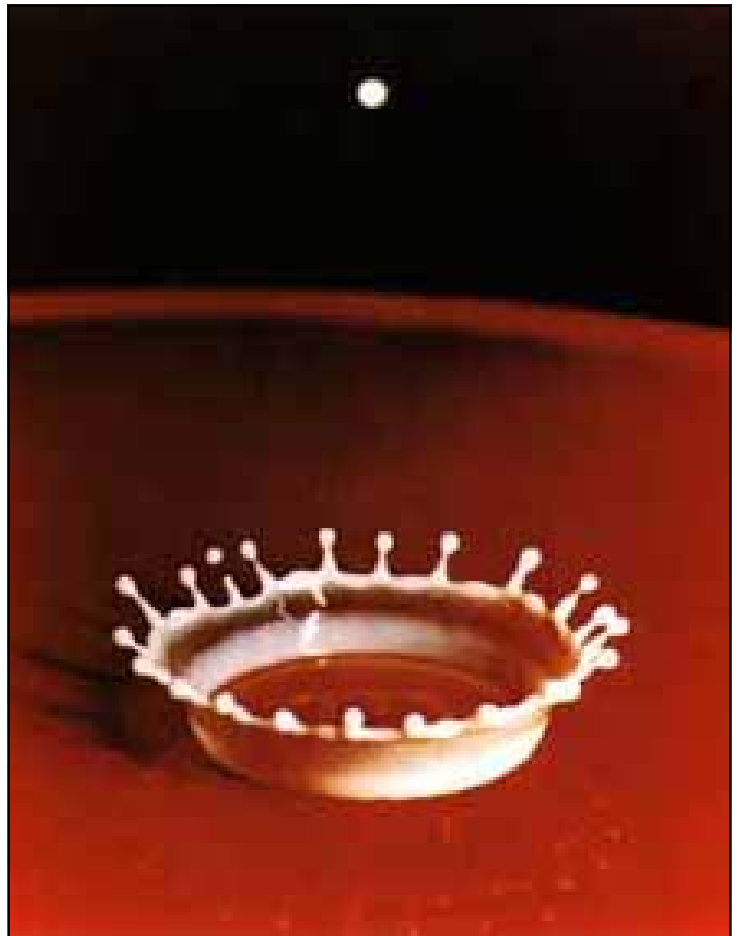


"Life is sometimes a series of coincidences which seem to be tied together by a common thread or threads. A recent bowl that I turned has such a history, and I will show you the bowl and tell you the story:

I am a retired general surgeon having had a practice largely of vascular, abdominal, and pacemaker work. Six years ago, our oldest son, Todd, was involved in a head on car crash when another car crossed the median and struck his car. Five operations later he needed convalescent care for about six months, and instead of being put in a rehab hospital my wife, a nurse, and I cared for him at home. One day he called me into his bedroom and told me that he, as a thank you, had enrolled me in a four hour introductory course in woodturning taught by a guy named Alan Lacer. Surgical practice has a craft side involving hand eye coordination, and I immediately took to woodturning.

My "bowl" which led to my being asked to do this piece was a "Show and Tell" item at this past January's club meeting. It was my impression of the famous "Milk Drop Coronet" picture taken by Professor Harold Edgerton in the mid 1930s. Back in 1986, while working in Cambridge, MA for six months, I happened to see that picture dis-

played at MIT and was struck by it. "Doc" Edgerton, an MIT professor, invented flash photography and "strobe" pictures capturing action too fast for the human eye. One of his favorites was a drop of milk landing in a pool of milk. Quicker than the human eye can see the drop first makes a flat depression that widens with a wall forming around the edges. In a brief instant the wall climbs and droplets shower off the top of the wall. The wall then collapses and rushes back to the center rising to make a small peak and then all smoothes out. My bowl and "Doc" Edgerton's picture- seen in the accompanying pictures - catch that droplet moment.



"Doc" Edgerton's 1937 "milk drop coronet photo"

So how did I come to turn my bowl? Well, in 1957, 52 years ago, I was also in Cambridge, MA rooming with three other guys. One of them started dating and the next year married a student from Radcliffe College. I kept in touch with

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them and two years later while driving to California I was invited to stop and stay with them and her parents in New Mexico. A friend and I were "bumming" our way to California in a decrepit 1941 Chev which incidentally blew three tires before we got there. Turns out my former roommate's wife's father was Carson Mark, a mathematician/physicist who had supervised the "T" (theoretical) division for development of the hydrogen bomb. Oppenheimer had supervised the development of the atomic bomb, but like many other physicists was opposed to the development of the Hydrogen Bomb. He was thus unpopular with politicians and the military who were afraid Russia would develop the H bomb before us and use it to blackmail the USA into letting Russia annex large portions of eastern Europe. Publically discredited as being a potential security risk Oppenheimer lost his security clearance and position at Los Alamos. Carson Mark then took over the "T" division.. So it happened that on that visit in 1959 I was treated to my first visit to the town of Los Alamos, NM where nuclear bombs were developed.

Fast forward 51 years to last July: I was again visiting my friends in NM. My former roommate - a retired Time/Life editor, author, and now an erstwhile blacksmith - took me back to Los Alamos and we visited a lab surplus yard (called the "Black Hole") where he sometimes buys material for his work. I spotted some 20 quarter slabs of solid milky colored polyethylene and immediate thought it would be fun to turn. Even as I bought some of it I thought of turning a "Milk Drop Coronet." Turns out the scrap was borated hard polyethylene from the Los Alamos lab and the material is used to shield nuclear reactors. My piece was excess, had not been used for shielding and was not radioactive. I took it home on July 4th going through airport security with it in my carry-on. It created a bit of a stir at the security check point since they did not know what it was, but that is yet another story.

On the same trip last summer, I questioned my NM friends about the physicists and mathematicians who often came to the Mark's house as Ms.

Mark was growing up. I was told and for the first time learned that the apartment we guys had shared in Cambridge in 1957 was earlier the apartment of Stanislaw Ulam when he was teaching at Harvard before WW II. Ulam, a Polish mathematician who worked on the H Bomb at Los Alamos and who used to come to the Mark house for dinner and poker, in 1952 solved the math equations surrounding the problem of how to detonate the hydrogen bomb. Together with Edward Teller he wrote the scientific paper (still classified) describing that method. Carson Mark, Ms. Mark's father, later that year supervised the physical construction and detonation of "Mike" the world's first hydrogen bomb (Oct 31, 1952.) Doc Edgerton's cameras shot pictures of the explosion at 1/50,000 and 1/1,000,000 of a second and his firm (EG&G) made the actual trigger for the bomb.

The "Milk Drop Coronet" bowl now on my coffee table - made from borated polyethylene from the Los Alamos Nuclear Laboratory - turns out to have quite a "provenance." "Now you know the rest of the story" - some of the strange twists and turns of life and how this bowl came to have ties which link it - albeit loosely - to the history of the development of the hydrogen bomb."



Gar's Turned Coronet-
Dia: 7 5/8", Height 3 1/2", Foot "undercut" 1/2" making it seem to float.

Two-Piece Hollow Forms

by Duane Gemelke



Jim Jacobs treated us to an entertaining and informative demonstration of the making of two-piece hollow forms for our first meeting of 2009. The focus of the demo was the making of quality work using the minimum amount of specialty and expensive tooling.

Jim normally begins with making a paper template of the exterior shape of the vessel to search for the most pleasing form. Paper is folded in half, with one side of the form drawn and cut from paper, such that when unfolded, a symmetrical shape is produced. The form can then be trimmed to taste. A sample is indicated in the photo. In this case, he formed a shape he termed a high-shouldered shape. The form is then re-folded and traced on to another piece of paper to cut out an outside half-form, which can then be used to check the progress of the turning.

Jim indicated that expensive chucks are not necessary to do this work, and instead used a turning blank screwed to a faceplate. He started with a mahogany blank and roughed it to round with a spindle roughing gouge, and turned it to a rough

shape with a spindle gouge, all the time steadied by the tailstock. The top portion of the neck is not yet turned to shape, but instead is left as a tenon. A caliper is set to the size of a spade bit that will later be used to create a mortise in the base. That caliper is used to size the tenon. In this case, Jim used a 1 ½ inch bit. Jim indicated that a Forstner bit can be used, but the spade bit is cheaper, is fast, and works fine.

The piece is then cut in half at the widest point on the form. Narrow parting tools are desirable, as they remove the least material and have the least disturbance on any grain pattern in the wood. Jim uses a narrow parting tool marketed by Chris Stott, or uses a home-made parting tool, ground from an old table knife.

The piece which remains on the faceplate, which is the base of the hollow form, is used to hold the upper portion of the form for hollowing. A mortise is drilled into the base with the spade bit that was used for sizing the tenon. If the tenon is loose, Jim uses masking tape, wound around the tenon to create a snug fit.

Jim uses a variety of tools to do the end-grain hollowing, and shoots for a wall thickness of about ¼ inch. Jim buys bedans and regrinds them into box scrapers. One is ground square across and one is ground to a half-round with a long side-sharpened edge. The square grind is used to turn the tenon mentioned earlier, and will be used to create the joint between the top and bot-



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tom of the vessel. The half-round is used to do the end-grain hollowing. Alternate tools are a 3/8" bowl gouge, a Hunter carbide tool, and a shop-made boring bar, with a cobalt-alloy-steel tool bit fixed into the tip of a mild steel shaft.

To make the joint between the upper and lower portions of the vessel, Jim forms a rabbet in each piece of the hollow form. This rabbet serves to fit the two sections accurately and forms an effective glue joint. A glue joint which joins two side grains is much stronger than a joint made by gluing the end grain.

The upper portion of the form is then removed from the lathe, and the lower portion of the form is hollowed out, a matching rabbet is formed on the base, and two sections are glued together. If time permits, Jim likes to use Titebond for the joint, avoid the odor of superglue, and lets the glue set overnight. In this case, in an effort to save time, Cyanoacrylate (CA) glue was used, applying the CA glue to one surface and accelerator to the other. The tailstock serves as an effective clamp to secure piece while the glue sets.

Jim likes to hide the glue joint by turning several beads, with two of those beads meeting over the glue joint. The neck is formed and the shape is refined with the tailstock providing support. The tailstock is then removed and the opening in the top of the vessel is formed. Jim uses a small brad-point drill bit, for which he has turned a handle, and uses it to drill out the opening in the top.



The piece is sanded with 120-grit and 220-grit sandpaper and is parted off.

Jim uses a shop-made wood jam chuck, in which the vessel will fit snugly, to finish off the bottom. The jam chuck is made with a hole through the center to assist in removing pieces from the chuck. The piece is tapped into the jam chuck with the base exposed, and a 3/8" spindle gouge is used to clean up the bottom. A decorative ring is normally turned into the bottom.

Jim finished the session by showing several shop-made jigs and turning aids and released his newest turning apparel, with expectations that if you look good, your work will improve.

This event had a very large attendance, likely due to high expectations of an excellent demo. We were not disappointed. Jim has a very entertaining and casual manner of presenting his work. Thank you, Jim.

The meeting included a wood raffle with a nice assortment of wood donated by various members. It is a nice and inexpensive way to obtain some wood that you may not have, and the funds assist the club in meeting its mission. I was particularly impressed with the quality of work brought for the show-and-tell portion of the meeting. There were some truly unique pieces presented, and the descriptions of the work and techniques were very informative. My thanks goes to everyone who participated.



Tool Handles

By Duane Gemelke

Tim Heil raised the bar for our February meeting demo with a presentation of the making of tool handles. Tim has made a variety of handles, ranging from turning tool handles, to wood chisels, screwdrivers, brushes, and more.



A bonus feature was supplied at the beginning of the meeting, by roughing out a bowl blank. The blank was mounted between centers, using a spur drive center and a cup tail stock center. The bottom of the bowl, which was oriented toward the tail stock, was rough turned with a bowl gouge and a tenon was turned with a parting tool to form a spigot, sized to fit his scroll chuck in compression mode. The blank was then remounted on the scroll chuck with the top of the bowl facing the tail stock. The front face was then trued flat with a Hunter cup tool, and the interior of the bowl removed with a bowl gouge. The wood for this bowl is crab apple, which is very prone to cracking as it dries. Tim intends to seal the end grain with green-wood-sealer that is supplied by the club, and then lets the piece dry slowly in a paper bag. The rough turned bowl will then be remounted and finish turned at a later time. Tim stressed that we should always use a dust mask and a face shield while turning.

The demo then turned to tool handles. Tim did not bring a sample of a chisel to show us, he brought 80. There was a capacity crowd, of more

than 80 in attendance and Tim needed to reach into his reserve stash so that everyone went home with a chisel. Tim buys tools chisels with plastic handles from the Home Depot, and removes the handles. They can be removed either by boiling, and then forcing off the handles, or they can be cut off above the tang and the tool punched out of the handle.

After cutting off a table leg to get wood for the demo, we were off. Tim set the length of the blank so that there was room to mount it in the chuck and some room to eventually part off a 4-inch to 6-inch long handle. The piece was mounted between centers with a step center in the head stock and a cup center in the tail stock. A parting tool was used to size a tenon to fit the scroll chuck. The piece was mounted in the scroll chuck, and a hole drilled in from the tail stock, the diameter of the tang, to the depth of the tang, plus a little more. Masking tape is placed on the drill bit to mark the depth of the hole. Tim normally grinds a small flat on the shaft of the tang to allow room for excess glue to exit out of the hole. Tim uses epoxy with a long set time for this attachment. The ten minute or one hour cure time epoxies are not as strong.



After drilling the hole, the end of the piece is steadied with a cone center fitted into the shaft hole, and a tenon is sized to fit the ferrule. This is done first because, if the ferrule cut is made wrong, you can cut it off and make the handle a

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little shorter, or part closer to the scroll chuck, and turn a new ferrule tenon. Tim uses a wide variety of ferrules, which make Tim's tools truly unique. A parting tool is used to mark the end of the handle so that visually you can see where the end will be, and the handle is turned to the desired shape. The shaping was done initially with a gouge and then was finished with a skew. The piece would normally be sanded and finished. Tim has had success using shellac as a finish for this work.

Experience has shown Tim that epoxy used to glue the ferrules in place does not have the flexibility to accommodate shrinkage in the tool handles. He prefers to use E6000 adhesive. It remains pliable when cured and any excess can easily be removed after about 8 hours of cure time. On tools that are expected to receive heavy hammer blows, Tim installs a carriage bolt completely through the handle, with the end of the bolt against the tang, and the head of the bolt exposed for the hammer blows. In these instances, the tang hole is drilled completely through the handle and the length of the handle is sized to fit the tang-plus-carriage bolt length.

The meeting included the distribution of the remaining purple heart pen kits for members to make pens for distribution to our Purple Heart veterans, and also included an active show and tell session. Keep those items coming in. My thanks to Tim Heil and all of the MWA board of directors and volunteers for an excellent February meeting.



New
Members

Please welcome our
newest members:

Mark Kelliher	Arden Hills, MN
Robert Jensen	Maplewood, MN
Joe Warren	Woodbury, MN
Rick Johnson	Wyoming, MN
Jim Rodgers	[appl. not rec'd yet]
John Timmers	Woodville, WI
Bill Fink	Savage, MN
David Hebert	Lakeville, MN
Joe Zwirn	Mpls, MN
Fred Holbeck	Eagan, MN
Dale Johnson	Blaine, MN
Doug Swanson	Vadnais Hgts, MN
George Vondriska	Hudson, WI
Jeanne Nyman	Cottage Grove, MN

MWA Wood Sealer Program

The MWA is currently buying sealer in 55 gallon drums, enabling us to sell to our members at a fantastic price of only \$10 per gallon. Our club could use a few clean, sturdy, empty gallon jugs, such as windshield washer fluid jugs for bottling; bring some to our monthly meetings. This super bargain sealer is available at our monthly meetings, or contact the following for other special arrangements:

Larry McPeck, Sealer Coordinator-Blaine
763-717-7282,
email: SpecialOut@aol.com

Bob Jensen – Fridley
763-572-0525,
email: 1woodworker@earthlink.net

AAW Gallery of Wood Art

It may seem strange to write an article about our own gallery, but it occurred to me that perhaps several of our Minnesota Woodturners (MWA) members had never visited and viewed the wonderful pieces exhibited there. If you are in this group, this article is written for you.

We are quite fortunate to have the American Association of Woodturners office located in our area. Since moving to the current location within the Landmark Center in St. Paul, MN the AAW has been able to establish an excellent gallery to display many impressive works of art. It is certainly worth a trip to visit. The Landmark Center is a historic building which was once a Federal Courts building, and currently houses several museums, a café, and office spaces for arts, history, and cultural organizations. For those interested in wood, several of the rooms within the center still retain some magnificent examples of carved and molded wood finishes used in our historic structures.

Along with exhibits of turned wood objects, the gallery has acquired an assortment of reproduction and vintage lathes. As a turner, these machines give us a peek at the history of woodturning. On selected exhibit openings, the gallery may host a reception including woodturning demonstrations, many of which are done by MWA members.

The exhibits continually change at the gallery, with each exhibit lasting approximately 3 months, so there is always something new to see. Some of the exhibits are by invited artists, and others are juried exhibits.

An exhibit titled "Restful Places" has recently featured more than 25 established and emerging woodturning artists, all of whom bring their own distinct take on the traditional cremation urn form. From elegant and sophisticated to earthy to sweetly macabre, the memorial art pieces showcased in this exhibit celebrate the individual spirit in a mass market world. This exhibit ran from January 19 through March 29, 2009.

Upcoming exhibits include;

The Spindle, featured from March 14 through May 24, 2009. The third in an annual series of themed exhibits, this year 50 international artists were invited to transform into art what is perhaps the most recognizable turned wood form, the spindle. Like last year's challenge, The Sphere, the artists have used a simple form as the foundation for dynamic, complex and beautiful work.

CODAchrome – A Snapshot of Craft in America, featured from April 10 through August 7, 2009. Breaking from the usual theme, the AAW Gallery of Wood Art is hosting an exhibit of incredible work selected by craft development organizations in the United States and Canada. Look for great textiles, glass, metal, jewelry, clay and more.

Spirit of the Southwest, featured from September 14 through December 21, 2009. It is an annual juried AAW exhibit of woodturning, this year with a southwestern theme.

The gallery has its own web site at: www.galleryofwoodart.org, and can also be accessed through the AAW website at: www.woodturner.org. Both of the sites contain a host of information, including many photos of work that has been exhibited. I have selected only a few representative photos for this article. The gallery includes a gift shop featuring turned gifts at modest prices.

The AAW office and the gallery are located at: Landmark Center, 75 5th St W, Saint Paul, MN. Gallery hours are Tues – Fri 11am – 4:00 pm and by appointment. Admission is free. Donations are welcome. The Gallery Coordinator is Tib Shaw and can be contacted at 651-484-9094.

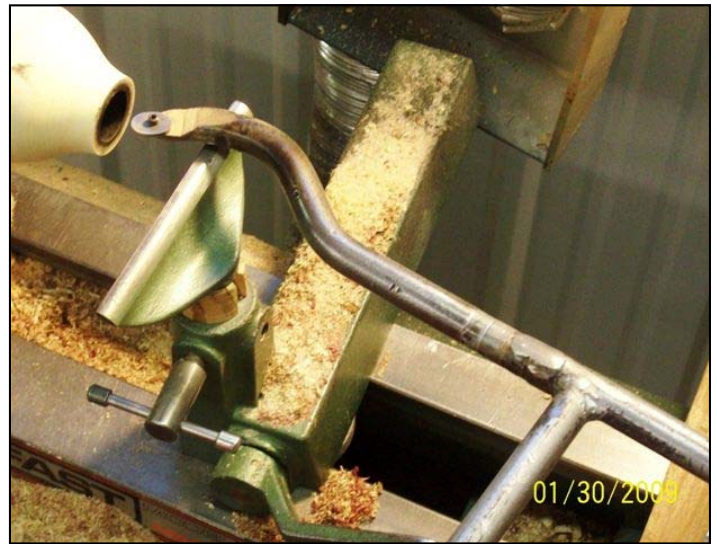
Submitted by Duane Gemelke

“How do YOU do it?”

As you can see, the bar is captured in the (what would you call it)?? very expensive also= 2x6 and a couple hrs. work. Both bars are solid 3/4" steel, but one has 1/2" welded on the end for smaller holes. I can go in about 5-6" on the 1/2" and 9-10" on the 3/4" before it sets up a vibration and if you do get a catch, the holder has it captured, it can be operated with 1 hand but not advised. I drill a 1" hole about 1/2" from the bottom and then hollow at a very slow speed until the last cut and then go to high speed, but take a very light cut, and it comes out quite smooth and then sand as far as my fingers go, I have been thinking of a flapper ??sander for my drill , I then spray black paint inside (so you can't see if it is rough) As you know , all turners look at the bottom first and then stick their fingers in the inside to see how smooth it is and then look at the turning itself :>))

John Magnussen

Oh, the last pic was an -oops- Irv Nistler told me once ,John ,the inside has to be smaller than the outside=but that's only the 2nd time in 20 years==:>))



The Platters Story

In January, our own Eric Johnson (son of Doug and Pam, our treasurer) showed five turned pieces at a school district art and science show (the DaVinci Fest). After seeing Eric's work, and as it is customary for sport team captains to present a gift to the coach at the end of the season, one of the ski team's captains approached Eric about turning something for the coaches.

Eric's first attempt at turning something, a shallow rimmed bowl, failed, but he did not give up. After a week's pause, he changed the design to a platter and-as you can see in the picture- what a great choice he made. The three platters were made possible by key contributions from some club members. Bob Boettcher who



The platters are Ash, Cuban Mahogany, and Big Leaf Maple.

lives a half mile away from Eric will be given the platters at the permitted Eric to use his big March 3rd awards banquet at Stillwater Junior High. He also gave Eric some very good tips. Todd Williams of Lake Elmo contributed some extra wood for the cause.

The platters will be laser engraved with each coach's name, year and ski wisdom "ski hard, don't look back" (the boys decided this) around the rim of each platter. The three coaches

If your ever given the opportunity to spend some time with Eric and you can accept the fact that a young teenager just might be a better turner than you, I highly recommend spending the time with him. I have no doubts that one day we will see his work at galleries and fine events around the country.

MWA Treasurer's Report

200	2009	2009
Actual	Budget	YTD Actuals
Members 268	Members 250	Members 242
Income \$8,530	Income \$10,690	Income \$6,146
Expenses [\$11,612]	Expenses [\$10,690]	Expenses [\$118]
Gain [loss] [\$3,082]	Gain [loss] \$0	[loss] \$6,028
		cash balance 3/14/09 \$8,818

TREASURER'S REPORT HIGHLIGHTS

The Board approved the 2009 Budget. Income for both renewing and new members has been strong.

Pam Johnson, Treasurer

Lidded Boxes Hands-on Session

By Carolyn Allard

A successful Hands-on Lidded Box Turning Session was held on Saturday, February 6, 2009, at Wade Wendorf's shop in Anoka. Four turners attended the four-hour session that stretched into five hours before all the boxes were completed. Those turners were Gary Borges, Dennis Dahlberg, Fred Hegele, and Carolyn Allard.

Wade Wendorf led us through the steps of releasing a box from within a 3" x 3" x 6" piece of wood. His easy style of shepherding us through the steps of truing up, deciding on the proportions of the top and bottom, parting and re-chucking each piece, as well as hollowing the insides of the box and lid, made the task easy to understand and duplicate. We completed the boxes by jam chucking both the top and bottom in order to facilitate finish turning of the lid top and the bottom of the box.

Critical to the successful fit of the lid onto the box bottom and the jam chuck is the ability to carefully take off minute amounts of wood as the lip of the piece approaches a fit that is not too tight, causing the wood to crack (which I did), or too loose, but tight enough to securely hold the top on the bottom in the final turning phase. This is a delicate process requir-

ing lots of patience and repeated trials as the piece gradually reaches the final fit. To prevent separation of the two pieces during the final turning, Wade suggested we reinforce the hold of the top to the bottom by wrapping blue painters tape over the mid-line. Painters tape is recommended over masking tape because it does not leave a residue on the wood.

I learned about the advantages of Mylands Friction Polish, as well as the technique for heat burnishing the finish. The polish produces a hard finish with an unusually sleek shine—that is, if you've done an excellent job of sanding. The technique for applying it is to saturate a very small piece of soft fabric with the liquid polish and to apply it thoroughly to every nook and cranny of the piece. It dries quickly as it turns on the lathe, so it is possible to apply two or three additional coats in close succession. After the Mylands is dry, the burnishing begins. Using the saturated piece of cloth, polish the entire piece as the lathe turns at high speed. Do this over the entire surface of the box until the heat generated makes your fingers hot. When you are sure you've covered all the surfaces, then use the same piece of cloth folded into a lengthwise band about ½ inch wide. Hold it like a horizontal sling around the back of the piece and hold it taut while the lathe turns. As you slowly move the cloth along the entire length of the box, heat is generated to the point of smoking. You will see slight wisps of smoke coming off the piece.

When you have "smoked" the entire piece, the finish is hardened and shines beautifully.

The four of us heard a lot of tips on box turning, as well as the proper presentation of various turning tools, the proper tool for a particular job, and tips on sharpening. By the time we were finished, we had released that beautiful box that had been hiding in our hunk of wood.



Editor— Coming soon in the June 2009 issue a step by step box making how-to article by Gary Borges.

Calendar of Events

April 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

April 2009

April 7, 2009

Membership Meeting

Topic: Turning a spatula

Industrial Electric Company

660 Taft Street NE

Minneapolis, MN 55413

Time: Tuesday 6:30 - 9:00 PM

April 25, 2009

Professional Demonstration - Lyle Jamieson

Topic: TBD

Location: TBD

May 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

May 2009

May 5, 2009

Membership Meeting

Topic: Airbrush Techniques - John Haug

Location: TBD

June 2009

June 2, 2009

Membership Meeting

Topic: Carving on turnings - Jim Sannerud

Location: TBD

June 2009

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

***Reminder** - Membership meetings officially start at 7:00 pm. Space will be open at 6:30 for setup and socializing.

Directions to:

Gary Novak's

Industrial Electric Co.

660 Taft St. Mpls.

1/2 block south on Taft

off Broadway St.

Classifieds

For Sale:

Powermatic 90 wood lathe, \$700.
Call Alan Lacer
651-307-9059 or email:
alan@alanlacer.com
for the details.



**Hunter
Tool
Systems**

Razor-sharp, long-lasting
edges for turners
www.hunterwoodturningtool.com

Free turning-related ads for MWA members.
Commercial/non-member advertising \$4.00/Issue per column inch. To place ad, contact Jeff Luedloff (jlued@q.com) or (952) 496-1177

Ads will run for one issue unless you call to extend your ad for additional issues.

SUPPLIER DISCOUNTS to MWA MEMBERS

The following suppliers offer special discounts to MWA members. To receive a discount you must be a member in good standing, and show your current membership card to the merchant.

ABRASIVE RESOURCE

900 Lund Blvd #400, Anoka, MN
763-586-9595 or 1-800-814-7358
No showroom - Internet or catalog orders only.
Sandpaper, coated abrasives, rolls, clearance items - 20% discount
www.abrasiveresource.com

ROCKLER WOODWORKING

Mpls, 3025 Lyndale Ave S 612-822-3338
Burnsville, 2020 W Cty Rd 42, 952-892-7999
Maplewood, 1935 Beam Ave
651-773-5285
Minnetonka, 12995 Ridgedale Dr 952-542-0111
10% discount on all regularly priced items, except power tools.
Wholesale lumber prices to MWA members.
www.rockler.com

WOODCRAFT

9125 Lyndale Ave S, Bloomington
952-884-3634
10% discount on all items, except power tools.
www.woodcraft.com

YOUNGBLOOD LUMBER CO.

1335 Central AVE, MPLS.
612-789-3521
Wholesale prices to MWA members.
www.youngbloodlumber.com

Forest Products Supply

2650 Maplewood Drive
(NE corner of County Rd. C and Hwy 61),
Maplewood, MN 55109
Phone: (651) 770-2834
Web: www.forestproductssupply.com
10% discount on all lumber purchases.

MWA "Members Only" Forum

All MWA members are entitled to use our "Members Only Forum". The forum is located at <http://www.mnwoodturners.com/members/> (or you can go to <http://www.mnwoodturners.com> and click on the **Forum** option on the menu). If you have not already registered, click on the link, and after the page loads, click on the words "**register an account**". Then just follow the instructions to get registered for the forum.

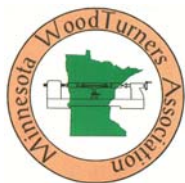
The many benefits include a central archive of information and handouts, a gallery to show off your turnings, central listing of club event announcements, and finally, a great place to get acquainted with other members and share mutual turning topics. One other thing, **PLEASE** don't be hesitant to ask questions on the forum. As many people have said over the years, the only silly question is the one not asked!

Thanks, and see you on the forum!

Wade Wendorf

MWA Forum Administrator

email: administrator@mnwoodturners.com



Minnesota Woodturners Association

3378 Heritage Ct.

Stillwater, MN 55082

www.mnwoodturners.com

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