



# Finger Lakes Woodturners

A Chapter of  
The American Association of Woodturners



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FLWT meetings are held from 6:45 to 9:00 PM (pre-meeting Show and Share starts at 6:00 PM) on the 3rd Thursday of each month. Our meetings are held at the Isaac Heating and Air Conditioning University classroom, 180 Charlotte St, Rochester, 14607. For more information, go to <http://fingerlakeswoodturners.org/>.

## From the Chair

December 2010  
11/28/10  
Jim Echter



Let's all take it up a notch! It appears that has been the underlying theme from the members for the 2010/11 season of the FLWT. The high turnout at meetings, the level of work being produced for our monthly Show and Share, the number of members participating in the monthly Challenge Projects and the general "buzz" at our meetings are good indicators that members are becoming very committed and involved. Then you have to look at the member demonstrators that we have had so far this year. The quality of their demos has been fantastic because of the effort they have put into preparing their notes, presentations and handouts. The club's newsletter is worth the cost of the dues alone! We have great pictures, great articles, and a world class volunteer editor. The Board of Directors and Advisors is made up of member volunteers with varied woodturning skills and backgrounds. However, these team mem-

*(Continued on page 2)*

**Please note: Our holiday party is on Thursday, December 16, at the Pieter's Family Life Center, 1025 Commons Way Rochester, NY 14623 — Doors open at 5:30 p.m.!**

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## From the Chair

by Jim Echter

(Continued from page 1)

bers also have very diverse professional backgrounds that really contribute to steering the organization. It has become a well tuned group that has **really taken it up a notch** this year. All of this commitment and participation is wonderful. However, what it tells me is that we have built a “community” where people are invested and enjoy their new neighbors and friends. This is what it is all about; learning some new skills, being inspired by the work and ideas of other members, giving back to our community and making some new lifelong friends!

The club’s elves are telling me that we are going to have another great Christmas Party for our December meeting. It looks like we are going to have a great turnout. The menu has been planned and the room layout decided. Now it is up to our membership to take it up a notch too. There will be a **Silent Auction** again where you can donate items to sell. The proceeds of the Silent Auction go to the club treasury. So think about any items, wood blanks, tools, etc. that you don’t use or have duplicates that you would be willing to donate to the club. There will also be a **For Sale by Owner** table where you can sell tools, wood, etc. This has nothing to do with the club. It is a private transaction between you and the buyer. There will also be a **Show and Share** table for you to show off some of your work. Our **Challenge** table will be for displaying your ornaments. These displays of work are what I feel, the best part of our holiday gathering because it gives us an opportunity to show off our craft to each other, our spouses and our friends. Most importantly, remember the challenge laid down by our “Top Master”, Jim Hotaling. He has challenged every club

member to make at least 5 spin tops as your admission to the meeting. After all, **“It’s for the kids.”** (Remember to keep the tops relatively small.)

I want to thank Mark Mazzo for demonstrating thin wall turning, piercing and burning in the style of Binh Pho at our November meeting. He covered a lot of territory in a short period of time. It looks like he will have to do another demo in the future on his embellishment techniques due to the high interest.

Congratulations to the new Board of Directors! The enthusiasm, turning skills and business acclaim this team brings to the club is top notch. With the support of a great group of advisors, the future of the club is bright. This team will be finalizing our 501(c)3 Federal Not for Profit status as well as planning new club activities. I raise my skew to the new Board:

Mark Mazzo	President
Mike Hachey	Vice President
Ed DeMay	Treasurer
Bruce Trojan	Secretary

It is hard to believe that this will be my last “From the Chair” newsletter article as my term as the first President of the Finger Lakes Woodturners Association has come to an end. I find it interesting that even though many of us have been involved in the local woodturning community for over 20 years together, that the FLWT *really* is a new organization. As much as I would have loved to have remained President, my other time commitments to family and business prevents me from doing such. I’m sure Mark will continue the tradition of writing monthly newsletter From the Chair articles. In the future, I look forward to demonstrating, teaching, mentoring and helping the club

(Continued on page 3)

## From the Chair

(Continued from page 2)

out as much as I can.

I have been blessed and privileged to have served this wonderful organization. It has allowed me to make some new friends that I would not have had the chance to meet. I especially want to thank my Board of Directors and Advisors. Their energy and commitment to *building something great* has been so inspiring to me. The success of this club is really due to the skills and diversity of this team. I also want to thank all the members that volunteered, wrote newsletter articles, gave demos, and most importantly, provided encouragement, valuable input and ideas as we launched this new woodturning club.

by *Jim Echter*

You all made it very worthwhile for me. I thank you all!!!

Happy Holidays! I wish you and your families a wonderful and joyful holiday season. Hopefully, Santa will bring you that new skew or sharpening system you always wanted.

As always, keep your bevels rubbin' and **keep notching it up!**

Jim

Echter  
President - FLWT ♦

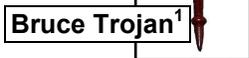
## The December Challenge Project

Photos by *Rich Connelly<sup>1</sup>* and *Jeffery Cheramie<sup>2</sup>*

The "Challenge Project" for December is to bring your "November Challenge" ornaments again to the December meeting to share with our other members and all the guests. If you didn't bring or make an ornament for the November challenge project this is another opportunity to fulfill that goal!



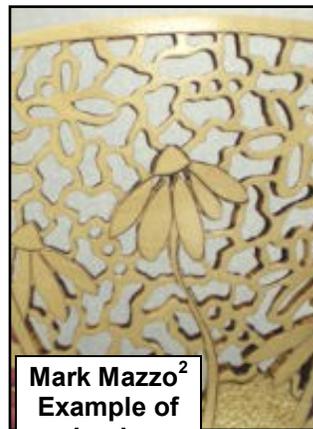
**Ed DeMay<sup>1</sup>**



**Bruce Trojan<sup>1</sup>**

Mark Mazzo gave a great demo on thin wall turning, surface decorating and piercing at our November meeting. Let's all take the "Challenge Project" up a notch! Try your hand at thin wall turning, decorating and piercing as Mark Mazzo demonstrated at our November meeting! This would be the "Challenge of all Challenges" so give

it a try on your ornament and bring it to show! ♦



**Mark Mazzo<sup>2</sup>**  
Example of  
piercing



**Doug Crittenden<sup>1</sup>**



**Jim Hotaling**  
Photos by Jim

# Annual Christmas Party December 16<sup>th</sup>

*Pieter's Life Center*

Our December meeting will be our annual Christmas party at **Pieters Life Center, 1025 Commons Way in Rochester, NY**. Doors open at 5:30 and dinner will around 6:15. The party is free to our members and we ask for a \$5.00 donation for guests and non-members. The last couple of years we have had several spouses and other guests attend who mentioned that they really enjoyed themselves. The menu will be similar to last year - Ziti, meatballs, and salad along with soft drinks and coffee, not to mention Dessert!

As in past years, there will be a silent auction of items that have been donated to the club with all proceeds going to the club treasury. If you have anything you would like to donate, please bring it that night. We will have auction sheets available to put with each item. If the item is really large, bring a picture.

We will also have tables where members can sell any item(s) they want. These transactions are strictly between the seller and the buyer.

Be sure to pick up your door prize ticket when you sign in at the entrance. We have several door prizes we will be giving away including some for non-woodturners (think Quilting!)

Hope to see you all there. **Remember - Doors open at 5:30 p.m.!**

## **Directions to Pieter's Life Center.**

The Pieter's Family Life Center is located



off Castle Road near East Henrietta Road. From the south end of Route 390, head north on Route 390 and exit at E. Henrietta Road. Turn right on E. Henrietta and then left on Castle Road to see the Life Center's entrance on the left.

From the north end of Route 390, head south on Route 390 and exit E. Henrietta Road. Turn left on E. Henrietta and then left on Castle Road to see the Life Center's entrance on the left. ♦

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## **FLWT's Election of 2011 Officers and Appointment of Advisers**

*By Dave Smith*

Congratulations to our 2011 FLWT officers and advisers and to those retiring, a heartfelt THANK YOU for your service. All of us will want to thank Jim Echter especially, for leading us through a difficult split with RWS and successfully guiding our startup as an independent club. Jim deserves a great deal of credit for our unqualified success!

Even though FLWT bylaws direct that officers' terms are 1 year, we've asked that officers stay on for 2 years, if possible, to help ensure board continuity.

When Jim asked me to lead the election process at our November meeting, I was thinking it was going to be more complicated than it was. In fact, given the high quality of our nominees, Chris Sadler facilitated the process by making a motion to elect the nominees with no further ado. The motion was quickly seconded, with all FLWT members voting in favor and none voting against by a show of hands.

For 2011, Mark Mazzo will replace retiring

President Jim Echter while Mike Hachey will replace retiring Vice President Jerry Sheridan. Ed DeMay has agreed to stay on as Treasurer and Bruce Trojan as Secretary.

Regarding our advisers, which are appointed by FLWT's board, Ward Donahue, Jim Hotaling and Rich Connelly are retiring so you'll see several new names on our list of 2011 advisers:

Jeffrey Cheramie  
Jim Echter  
Debbie Hachey  
Ralph Mosher (also Club Newsletter Editor)  
Gary Russell (also Club Librarian)  
Jerry Sheridan  
Dave Smith  
Jim Tallon

Please join me in congratulating our 2011 slate and thanking them for their willingness to contribute their time and experience to our great club! ♦

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## **Springdale Farms Volunteers**

*By Ward Donahue*

**Finger Lakes Woodturning is looking for volunteers at Springdale Farm. You would be working with developmental disabled young people and their staff at their wood shop. We are looking for wood workers to teach, train, guide and help out in the shop. If you are interested give me a call and we can go out to the shop and take a look and you can see what is involved.**

I have had a group at my shop making projects and can tell you that they are a

great group to work with. Working with these folks is a real pleasure. Since FLWT got the machines donated for the shop they now have the equipment to run their own wood shop and they need help setting up and running the facility. If you can spend some time I guarantee you will have a good experience.

If you would like to take a look give me a call.

Ward Donahue 585-334-3178 ♦

# Thin Walled Turning and Surface Design Techniques

By Mark Mazzo

Collaborative Article by Jerry Sheridan and Mark Mazzo

Photos by Rich Connelly<sup>1</sup> and Jeffery Cheramie<sup>2</sup>



Mark turning a thin walled bowl<sup>1</sup>

I'm certain that all in attendance at our November meeting will agree that it was one of the best...ever! Mark Mazzo gave an outstanding demonstration of thin wall turning along with surface design techniques of piercing and pyrography.

Mark talked about techniques for thin turning in both face-grain and end-grain orientations. He then demoed turning a thin-walled bowl from a green Maple blank while using a light from the outside to monitor wall thickness. Mark explained that green wood has advantages for turning thin: it turns easier, can be more forgiving, and the water in the wood makes it translucent, facilitating the use of a light to determine wall thickness. Thin turnings like this dry and go out of

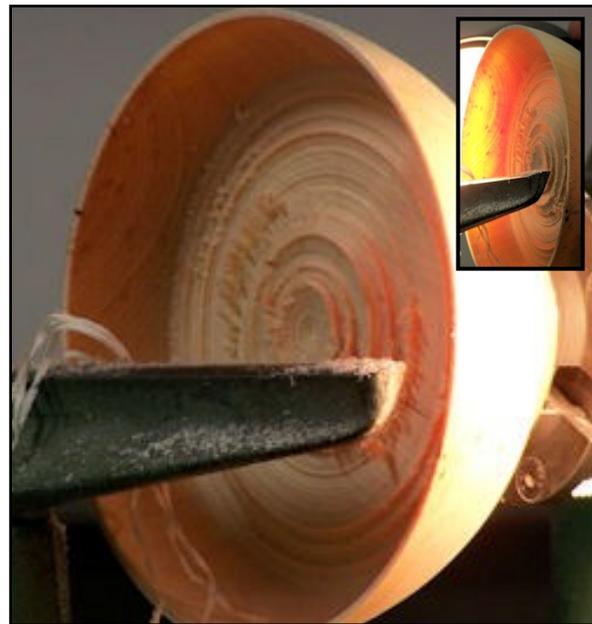
round very quickly so, the hollowing is done to final wall thickness (1/16") in stages blending each stage together with shear scraping techniques.

Once the bowl was hollowed, Mark reversed it onto a jam chuck and the bottom was trued leaving a little excess material to be blended in after drying. A

nub was also left at the base for the tail-stock live center so that the piece could be returned to the lathe with a jam chuck once dry (after 1-2 weeks) and the bottom could be trued. Because most of the



Scraper detail<sup>2</sup>



Mark hollows the bowl to final wall thickness (1/16") in stages blending each stage together with shear scraping techniques. Inset image shows use of backlight to control wall thickness.<sup>1</sup>

sanding on these pieces is done off of the lathe, Mark stressed that the final cuts

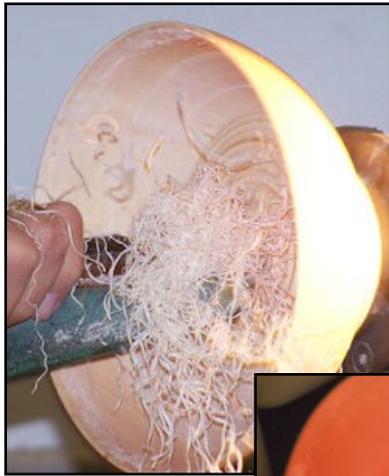
(Continued on page 7)

# Thin Walled Turning and Surface Design Techniques

By Mark Mazzo

Collaborative Article by Jerry Sheridan and Mark Mazzo

Photos by Rich Connelly<sup>1</sup> and Jeffery Cheramie<sup>2</sup>



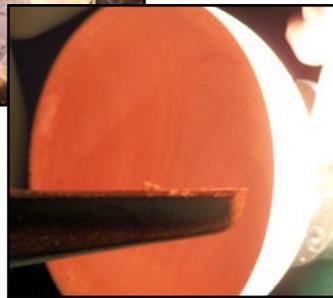
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must be as clean as possible in order to minimize the sanding effort later. Mark also

explained that bowl forms that will be later embellished with surface design should be designed with taller

walls which enable better viewing of the design. End grain orientation is best for taller vessels and requires some changes in tools and technique. When the turning was complete, Mark held it up to the light to show the consistent wall thickness before passing it around to be viewed - Mark's thin-walled turning was incredible.

Mark was also able to demonstrate the use of his wood burning pens to "draw with fire". He used a home-made pen and a modified battery charger as a power supply to do some more heavy duty pyrography. He also showed some techniques using a standard burner and pens for more subtle surface design. Mark showed a sample board with various burning patterns that could be used on turnings. He also showed how the standard pens can be used on a turning to lightly outline elements of a surface design.



Turned to final thickness<sup>1</sup>

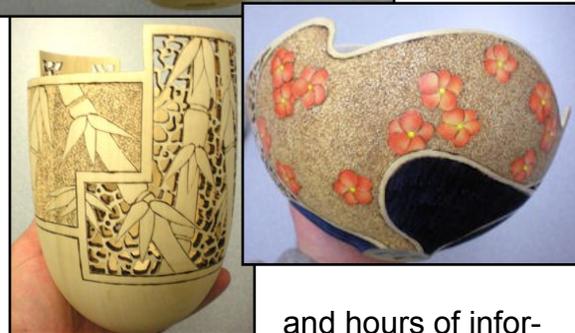
Mark ended his demo with a quick discussion on piercing. He showed both a dental drill and the NSK Presto Tool. These tools are powered by air and spin very small burs very quickly (~350,000 – 400,000 rpm). Because of this, very fine control is possible allowing you to almost draw a design in the wood. Mark noted that the most important things to consider when piercing turnings are to turn thin walls

(1/16" – 3/32") and to keep the piercing tool perpendicular to the



surface of the turning.

Unfortunately, Mark had to jam hours



Marks work<sup>2</sup>

and hours of information into two short hours. I look forward

to Mark being able to spend more time demonstrating the techniques he introduced.

(Continued on page 8)

# Thin Walled Turning and Surface Design Techniques

By Mark Mazzo

Collaborative Article by Jerry Sheridan and Mark Mazzo

Photos by Rich Connelly and Jeffery Cheramie

(Continued from page 7)



“Drawing with fire”<sup>1</sup>

Attached are some summary slides of Mark’s Demo. The full presentation is in the articles section of the web site, including internet links to tools and vendors.

Just one closing thought- Our club is extremely fortunate to have the caliber of member demonstrations that we have had this fall. It clearly shows the level of expertise in our turning community and the willingness to share. Please give some serious thought to what you could share with our group. ♦

## Summary slides of Mark’s Demo

By Mark Mazzo

### Thin-Walled Turning

- Why Thin?
  - Not to show off turning prowess
  - Facilitates later surface design techniques
- Material

- Light colored, green wood easiest to use
- Allows for specialized thickness gauging techniques
- More forgiving and fun to turn
- General Techniques
  - Always start between centers then reverse onto chuck
  - Hollow to finished thickness (1/16” to 3/32”) and smooth surface in stages
  - Blend stages together by shear-scraping

FLWT Demonstration -Thin Walled Turning and Surface Design Techniques -Mark Mazzo

11/18/2010

1

### Pyrography& Branding "Drawing with fire"

- General wood burning power supply and pens for drawing on pieces, minor surface decoration and shading
  - Fixed or replaceable-tip pens
  - Can be used to outline areas to be pierced or to add character to the surface of a piece
  - Want PS to work well at low burning temperatures
  - Optima, Razor Tip, Detailmaster, etc.
- High power supply and pens, substantial tips for branding
  - Home-made supply from battery charger or computer power supply – recovers fast
  - Ny-chrome wire for custom brand/pen tips (mcmaster.com –McMaster-Carr)
  - Partial designs or complete surface coverage
  - Black color can accentuate and highlight form

(Continued on page 9)

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# **Thin Walled Turning and Surface Design Techniques**

## **Summary slides of Mark's Demo**

*By Mark Mazzo*

*(Continued from page 8)*

- High power burning can be used as a pseudo-carving technique
- Fan to blow smoke away or air filter to capture smoke
- Clean tips of carbon regularly during burning/branding –wire brush/blade
- Hone tips to maintain sharp edge – honing compound on leather strop

[FLWT Demonstration -Thin Walled Turning and Surface Design Techniques -Mark Mazzo](#)

11/18/20101

2

### **Piercing**

- Thin walls required - 1/16" to 3/32"
- Tool must stay perpendicular to surface being pierced -especially on more severely curved forms
- Cut in CW direction and clean-up in



699L

#2

#37

CCW direction

- Design entire turned piece first before doing any work with the tools
- Draw design in pencil and then burn in prior to piercing, as necessary
- High-speed, air-powered tools (350,000 –400,000 rpm)
- Air regulator and filter (~35-40 psi)
- Dental tool (oil lubed) –more cumbersome connections
- NSK Presto (no lube) –allows for “drawing” on wood
- Small burs (solid carbide, 1/16")
- Straight cross-cutting for piercing and scratching (699L)
- Round balls for stippling (#1,2,4,6...)
- Inverted cone for recessing and surface carving (#37, 39...)
- Soft metal to clean burs (brass, soft steel)

[FLWT Demonstration -Thin Walled Turning and Surface Design Techniques -Mark Mazzo](#)

11/18/20101

3



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## **Charitable Giving of Tools and Hardware**

*By Jim Hotaling*

A Fairport Baptist Homes Enterprise supporting Perinton Seniors has recently opened a Tool Thrift Shop at 126 Fairport Village Landing - second landing above the Fairport Library. The Thrift Shop is open Fridays 11 am - 6 pm. and Saturdays 9 am to 4 pm. They will accept hand and power tools for use around the home along with hardware - screws, nails, bolts etc. Donations can be brought to the store during business hours or ar-

rangements can be made to pick up your donations. The Tool Thrift Shop is run by volunteers with all proceeds going to help elders maintain their independence thru Elderbus and Senior Options for Independence (SOFI).

For more information call the store at 585-223-0484 ♦

# Jim Hilburger - Master Wood Turner

By Ward Donahue

Photos by Rich Connelly<sup>1</sup> and Jeffery Chermie<sup>2</sup>



Turning a refrigerator magnet<sup>1</sup>

Over 30 members of the Finger Lakes Wood Turners enjoyed a great demonstration on Saturday November 6th at Isaac's presented by Jim Hilburger. He made turning look easy and just put the fun into it. His demonstration showed an expert

turner enjoying showing and sharing techniques which made some operations easier and faster. Jim turned some small projects such as, refrigerator magnets, light pulls, tops, tooth pick holder and goblet with two captive rings. The unique part is all of the small projects can use scrap and take very little time to make.



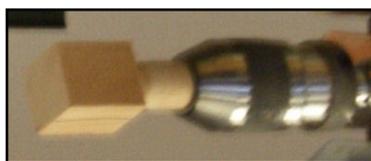
Refrigerator magnet, Tooth pick holder and Lamp pull<sup>2</sup>

Now they may not seem to exciting but the techniques he used can be used on many turnings. The



Tap with spacer<sup>2</sup>

magnet seems easy and it is. Jim took a 1/4 inch by 20 bottoming tap, put it in a drill chuck mounted in the head stock, put a spacer on the tap and screwed a small prepared block of wood – ready to turn. The pre-



Tap in Jacob chuck with turning block attached<sup>2</sup>



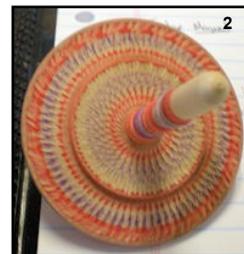
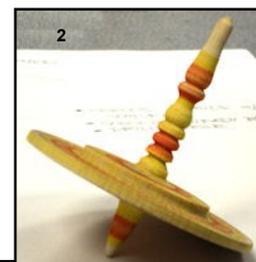
Tail stock for support. A wood tip on the tail stock prevents marring of the turned piece<sup>2</sup>

pared block of wood was pre drilled with a shallow hole to accept the magnet and a

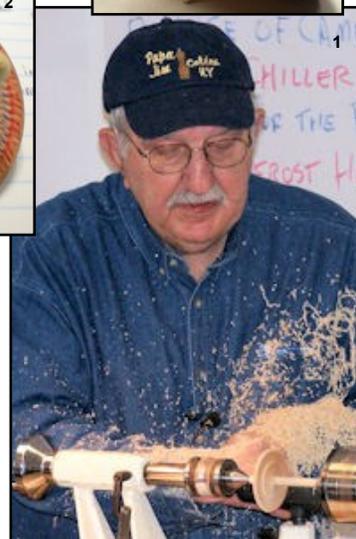
deeper hole to be threaded on the 1/4"-16 bottoming tap. The tail stock was pulled up for support and the turning was done. A super project for using scrap and

everyone can use a magnet. It makes a great gift. The light pull Jim turned uses the same basic techniques and also makes a great gift.

Again Jim introduced more neat techniques when he turned the tops. It



takes Jim 2 minutes to turn a top. Here are his systems --- Jim turns a length of wood the diameter of the disc he wants for the top. For the



Jim turning his "Signature Top"<sup>1,2</sup>

(Continued on page 11)

# Jim Hilburger - Master Wood Turner

By Ward Donahue

Photos by Rich Connelly<sup>1</sup> and Jeffery Chermie<sup>2</sup>

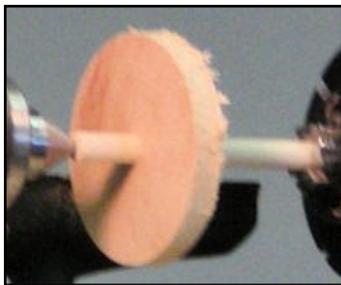
(Continued from page 10)

disc Jim takes the turned length of wood and tilts his chop saw so the discs will roll into a basket when he cuts them to the thickness he desires. Very fast and creative thinking.

Next Jim drills the disc to fit the stem. The stem is a dowel which Jim puts a center punch mark in each end. Here is the clever part -- Jim has taken a block of wood and drilled a hole the size of the dowel part way into the end; then he drills a smaller



Jim's dowel center finder<sup>2</sup>



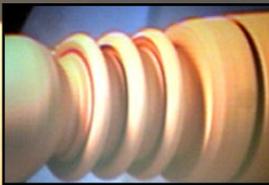
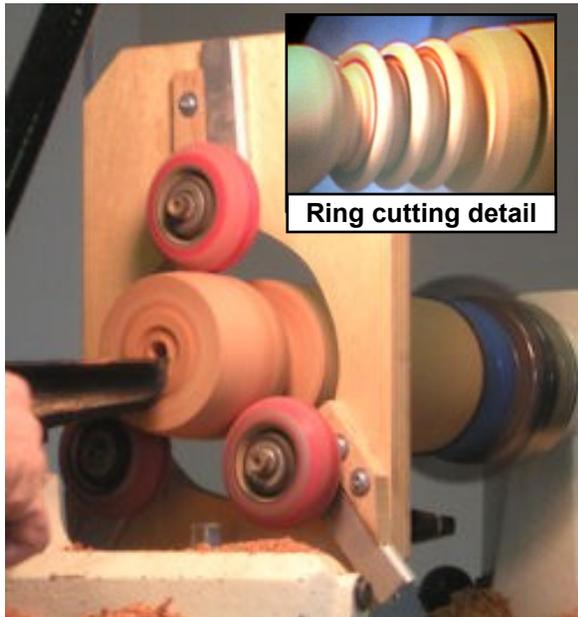
Dowel centered in lathe. The top's disk is already glued in place<sup>2</sup>



Tail stock jam chuck detail

Tail stock Jam chuck to hold the goblet cup in place while turning the rings and stem<sup>2</sup>

hole all the way thru and puts a sharpened metal shaft in the block so it will mark the center of the dowel. Another great idea which can be used to find the center of any size dowel. His turning was just so smooth but you needed to be there to see his turning techniques.



Ring cutting detail

Home built spindle steady rest using inline skate wheels<sup>2</sup>



The Wedding Goblet<sup>1</sup>

Jim had some neat ways of making and using jam chucks. He used them for the tooth pick holder and the goblet. Jim had a spindle steady which he made from scrap wood and old roller blade wheels. He used this to

support the cup part of the goblet which gave him enough support so he could turn the cup part in a short time. About a

(Continued on page 12)

## Jim Hilburger - Master Wood Turner

By Ward Donahue

Photos by Rich Connelly<sup>1</sup> and Jeffery Cheramie<sup>2</sup>

(Continued from page 11)



Hosts Mike and Debbie Hachey with Jim<sup>1</sup>

10 minute process which is very fast. I think everyone enjoyed Jim and learned a lot of neat things.

Jim Hilburger is a one in a million person who is a professional turner and a fun person to learn from. He loves to share his skills with young beginners and anyone who wants to learn. There is always a smile on his face and gift in his heart. If you have an opportunity watch Jim turn – DO SO – you will have fun and learn some neat things. ♦

## Movement of Wood in NYS

by Mike Seager

President of the New York Forest Owners Association

One of the joys of woodturning is that you can make something beautiful from a piece of wood that most people think is junk – an offcut from a cabinet shop, a chunk from somebody's firewood pile, or the traditional "FOG wood" – something Found On the Ground. But even this simple pleasure is not as pure as it once was.



New York's forests are under assault from a variety of invasive insects that have the potential to remake the landscape. Emerald ash borer, which attacks all varieties of ash trees, has gotten a lot of recent publicity. Hemlock wooly adelgid and Asian longhorn beetle are two others that could eliminate species – hemlock and maple, respectively - currently prominent in our forests.

A primary method for the spread of these pests is the transport of infected wood,

typically as firewood. State regulations prohibit the transport of firewood of any species more than 50 miles from its source, the importation of firewood from other states or countries, and the transport of ash in any form across the boundaries of the quarantine zone (which is, roughly, all of western New York).

You might know that chunk of wood in your trunk is really a future bowl and not a piece of firewood. But whatever its ultimate fate, untreated wood – especially pieces containing bark or sapwood – could be carrying invasive species. Please help limit the spread of invasives by observing the regulations and guidelines regarding the transportation of wood. Doing so means you might have to pass up that nice chunk of wood a friend across the state offers you, but it also helps ensure that we will all have a steady supply of our favorite local woods into the future.

For the latest regulations on wood movement in New York, see; <http://www.dec.ny.gov/animals/28722.html>. ♦

# Hollowing Tool Making Workshop

By Bruce Trojan and Ed DeMay  
Summary by Ed DeMay

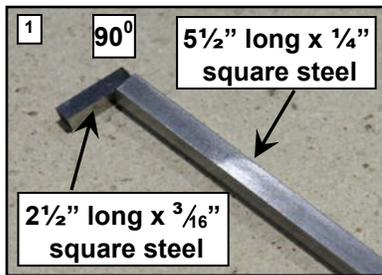
Photos by Mike Hachey<sup>1</sup> and David Schafer<sup>2</sup>



Tool Making Workshop Class<sup>1</sup>

On November 13, 2010 Bruce Trojan and I conducted a 2 day workshop for club members. The first day was about making the tools used for hollowing out. Materials for making the tools are as follows:

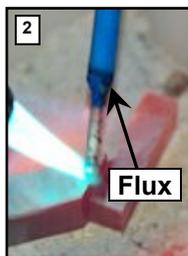
- 1) A 1/4 inch square by 5 1/2 inch long piece of plain cold rolled steel for the tool shank purchased from Lowe's or Home Depot.
- 2) A 2 1/2 inch long by 3/16 square high speed steel with 10% cobalt cut into 3 pieces to make the cutter purchased



from Abrasive-Tool Corp, 1555 Emerson St, Rochester

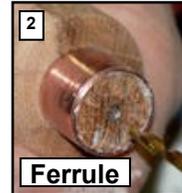
(part number FC71-003 - \$2.60 each).

- 3) 9 inch long 1/16 inch flux coated silver solder purchased from Rochester Welding Supply. Three 18 inch long pieces cost approximately \$40.00 + tax (part number SF45FC manufactured by Harris Welco). It is



an expensive material due to the cost of silver. It can be used with Propane, Mapp or Acetylene gas torches.

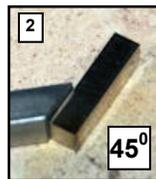
- 4) A copper ferrule was provided for members wanting to add one to the tool handle.



- 5) Members brought wood of their own choosing for the handles.

The class of nine started at 9:30 with Bruce and I giving an overview of what going to be covered with an explanation of the materials. We also spoke of variations to the tools being made and some of our preferences.

One end of the 5 1/2 inch tool stock was already cut at approximately 45 degrees and the cutting bit was to be soldered to that end. The 45 degree angle is a starting point and tools with various angles can be made to suit the turner's needs.



The bit was cut to approximately 3/4 inch in length. I have two tools, one with a long cutter and the second with a short one. As I continue to use and sharpen them,

both tips get ground away to the point that the long cutter becomes the shorter one and the short one gets its tip replaced to become the long cutter. Both the shank and cutter were laid on a fire brick (Tractor Supply has these for \$2.99 for a single brick) and heated to a bright red color and the silver solder was applied. It is important to make sure both the tool shank and cutting bit are heated through as they are different thicknesses and therefore heat at different rates. When the tool is cool enough to handle,

(Continued on page 14)

# Hollowing Tool Making Workshop

By Bruce Trojan and Ed DeMay  
Summary by Ed DeMay

Photos by Mike Hachey<sup>1</sup> and David Schafer<sup>2</sup>

(Continued from page 13)

the sharp edges of the cutter are shaped on a wheel or belt grinder to eliminate



Shank and cutter heated to a bright red color and silver soldered<sup>2</sup>



Tool shaped on a wheel or belt grinder to eliminate sharp corners<sup>1</sup>

sharp corners. It is then sharpened like any other scraper.

The handle is made to a shape that is chosen by the turner's own preference. There is no set rule on this for shape and length. Eight to twelve inches seems to work out nicely depending on the user's preference. The handles are drilled with a 21/64 inch bit (the diagonal of the 1/4 inch cold rolled steel shank). A 3/8 inch bit

works but is just a little large and will require more glue during assembly. The depth of the hole is about 1 1/2 inches. For assembly, mix up 5 minute epoxy with the plain end of the tool shank and use it to fill the hole in the handle. Insert the shank into the handle and allow it to dry over night (although it can be handled in

10 to 15 minutes) and you are good to go with any hollow turning that fits the size of the tool.

By using Google and entering "silver soldering steel", you will turn up 118,000 hits



Class members soldering their tools<sup>1</sup>



Photo by Bruce

Completed tools

independent to Rochester.

and lots of information. There are other ways to make the hollowing tools and I suggest that you check them out. This method works well for me so I passed it along. There are also many other suppliers of materials but the above mentioned are convenient to Rochester.

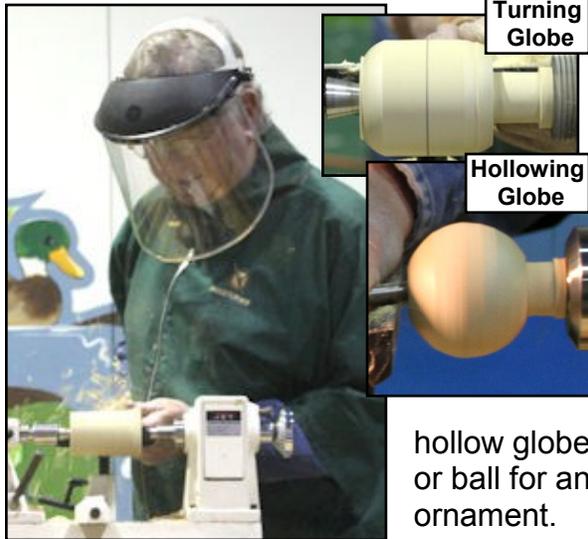
The participants in the class were Michael Sullivan, Denis Caysinger Gary Russell, Doug Hague, Bill McColgin, Tom Mooney, Dick VanHanehem, Mike Hachey and Martin Schroeder. ♦

# Hollow Christmas Ornament Workshop *By Bruce Trojan and Ed DeMay*

*Summary by Bruce Trojan*

*Photos by Mike Hachey<sup>1</sup> and David Schafer<sup>2</sup>*

On Saturday, after everyone had made their tools, I demonstrated the making of a

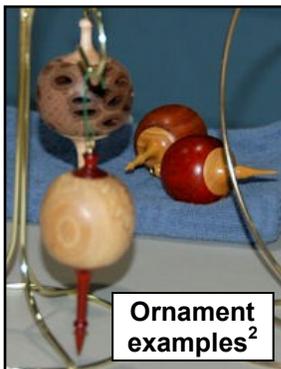


**Bruce demonstrating making of a hollow globe<sup>1</sup>**

hollow globe or ball for an ornament. This demonstration made it possible

for those members who were going to continue on to the ornament making class on Sunday to have more time to shape and hollow their own ornament.

On Sunday morning, before we turned, Ed and I discussed different styles of balls and finials. We brought different examples



**Ornament examples<sup>2</sup>**

so each participant could see variations on globe shape and finial design. We talked about undercutting the section of the finial that sits on the ball to ensure a tight fit. I also brought a hollowed out ball with holes drilled into it

which I painted blue. I had discovered, a couple of years ago, while hollowing out

“Banksia Pod” (a large seed pod with holes in it), that I could actually see the hollowing tool inside the ball as it was spinning on the lathe. So I made a poplar ball with holes in it so the participants could see what the tool was doing during the hollowing process. I also found that it was much easier to see the tool if the outside of the ball was a darker color, thus the blue paint.



**Gary Russell turning the globe<sup>2</sup>**

We used 2 inch square by 4 inch long poplar to make the ball. I prefer a 3 inch long blank to save material, but was not sure of all the different chucking options that we were going to have, so I opted to go longer. The thickness of the blank can be just about anything and is up



**Globe detail<sup>2</sup>**

to the individual. The first step was to round up the ball between centers and turn a tenon for re-chucking it so it can be held without the tail-

*(Continued on page 16)*

# Hollow Christmas Ornament Workshop *By Bruce Trojan and Ed DeMay*

*Summary by Bruce Trojan*

*Photos by Mike Hachey<sup>1</sup> and David Schafer<sup>2</sup>*

*(Continued from page 15)*



**Drilling the 9/16 hole<sup>1</sup>**

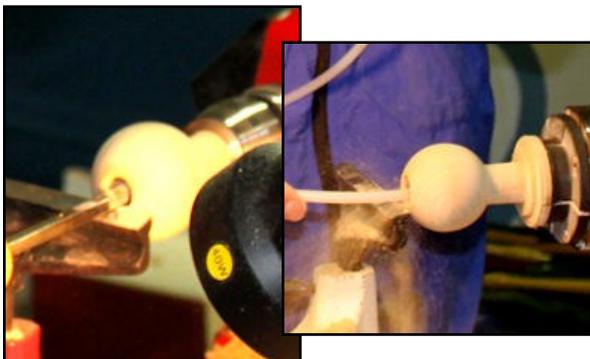
stock (for the hollowing process). Once re-chucked, we trued it up to the new chucking and marked a center as a guide for making the ball.

The shape of the ball was up to the

individual. Once the outside shape was completed, the tailstock was taken away and a 9/16 inch hole was drilled all the way through the ball to provide space for the hollowing tool to work.



**Turning the bottom finial<sup>1</sup>**



**Hollowing the globe<sup>1</sup>**

**Cleaning out the chips<sup>1</sup>**

Hollowing is also called “blind turning” because you can’t see the tool cutting the wood. The turner has to imagine in their mind how and where the tool is cutting inside the ball. With experience, a “feel” is developed for cutting, including touch, depth and consistency of wall thickness. Ed and I provided Ellsworth style calipers to each participant. These calipers work well to measure wall thickness. Because of their slim design, they can go into small openings, something most store bought calipers can’t do.

After the ornaments were hollowed out

and sanded, they were parted off and we were ready to move on to finial making. There are different ways to make finials (I suggest going to YOUTUBE and typing in Turned Christmas Ornament). We followed the same process in roughing out a 2 inch square by 4 inch long Walnut blank for the bottom finial then turning a tenon for re-chucking. I usually use thinner material, but again, opted to go with 2 inch blanks due to the chucks available. The design of the finial was up to the participants. The finials were cut to have a tenon on the top side of them that is the same size as the hole (9/16”) that was drilled into the top of the ball. I think each participant found that their top hole did not remain at 9/16 inch as they hollowed out their globes, so the size of their tenons had to be adjusted. This was not a problem and worked just fine. The dimension of the finial where it meets the ball also had to be taken into account to ensure an attractive fit. The top finial (as I call it) is made using the exact same process as the bottom; roughing out, tenoning for re-chucking, re-chucking then truing up, dimensioning the tenon for the hole in the bottom of the ball, and dimensioning the section of the finial that touches the ball. The biggest difference is that the length of the top finial is much shorter, we used 2

*(Continued on page 17)*

## Hollow Christmas Ornament Workshop *By Bruce Trojan and Ed DeMay*

*Summary by Bruce Trojan*

*Photos by Mike Hachey<sup>1</sup> and David Schafer<sup>2</sup>*

*(Continued from page 16)*



Two examples of ornaments made by Bruce<sup>2</sup>

top. One more step is required for the top finial and that is to drill a hole for a screw eye to be screwed in that will attach to an ornament hanger.

We ran out of time before we glued up any ornaments but I believe that everyone just about finished making all their ornament parts. I know that both Ed and I had a great time working with everyone and we were quite impressed by everyone's success with their first crack at hollowing out! The participants included Michael Sullivan, Denis Caysinger, Gary Russell, Doug Hague and Bill McColgin. ♦

inch square by 3 inch long walnut for the

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## Quips and Quotes

*From the Librarian – Gary W. Russell*



Grandpa and Cassie

Well, we are off and running with the new library. I recently made some real nice DVD purchases with the \$300 seed money from the club. I was able to get a

nice 20% discount on several DVD's from Woodcraft and a whopping 25% on the DVD's I purchased from CraftsSupplies. Thanks to both companies. This has enabled me to significantly stretch my buying power. The Club also received a free DVD from Jim Hilburger. As you know Jim did a great demo for us this last month. Thank you Jim.

The new DVD's are.

20007 **Back to Basics** by Clewes,

Jimmy

20008 **Sharpening Demystified** by DeHeer, Kirk

20009 **Elegant Finials** by Drozda, Cidy

20010 **Thin Wall Turning** by Pho, Bin

20011 **Turning Boxes** by Raffan, Richard

20012 **Bowl Basics: A Workshop** by Mahoney, Mike

20013 **Making a Peppermill** by Sokolowski, Ted

20014 **Peppermills 101** by Hilburger, Jim

Library items may be loaned out a month at a time. I will continue to bring new items and a good selection of DVD's to each meeting including the Christmas Party for loaning out. If anyone would like any library item, please let me know; and

*(Continued on page 18)*

## Quips and Quotes

*(Continued from page 17)*

I will bring it to the meeting for you or we can make other arrangements for pickup or returning. As always donations are welcome. I still have a few dollars left from the original seed money so I hope to have some more DVD's for the January meeting.

Finally, I recently viewed the Cindy Drozda DVD on turning finials. I found the this to be very informative, and I was able to make a great finial for one of my turned ornaments after I viewed this. She goes through some of her turning techniques showing in good detail not only how to make the proper cuts but how

*From the Librarian – Gary W. Russell*

mistakes can happen. Then she goes through the process of cutting one and how one goes about getting a good design. She also shows how she sharpens her tools, although I don't think I would use her methods since it is more free-hand than I like. The only thing I didn't care for was her voice tone which I found a little tinny. Then again I don't have to live with her I only need to listen to her through a short video. If you could turn up the bass a little, it may be more appealing. Overall, though, I learned a lot from the DVD. ♦

## Ornamental Turning Opportunity

Ornamental Turning dates back to the early 1700's and is a cross between Plain Turning (Wood Lathes as we know them today) and metal lathes both with indexing plates. In the early days Ornamental Turning was reserved for Royalty and the wealthy. There are original Ornamental lathes available today by private owners that at auction or sale fetch 6 figure prices. But with the advent of modern tech-



Ed's Ornamental lathe

nologies and newer production methods a person can get into Ornamental Turning for about the same price as a medium to higher end Wood Lathe and accessories.

For anyone that would like to learn more



Macassar Ebony and tulipwood ring holder

decorating my other turnings. I will be making some handouts and websites that



Walnut bowl

ings and if not I will forge ahead and con-

*By Ed DeMay*

about this I will be having an evening gathering at my house on January 12, 2011 from 7 until, to pass on what I have learned up to this point. Bearing in mind I am just scratching the surface on Ornamental Turning and got into this as a means of I have found that are very informational. You have no obligation on this (other than to show up) and if enough interest is shown perhaps we can have subsequent meet-

*(Continued on page 19)*

## Ornamental Turning Opportunity

By Ed DeMay

(Continued from page 18)

tinue to report. I can host approx. 10 people so please let me know if you are attending. I will have some refreshments (Holtzapffel was German so I may be able to get my wife to make and Apple Strudel). Please let me know if you are interested by emailing me; your name, phone number and email address and this will be a first come first served. If more interest is generated I can have a second. Hope to hear from someone?

Finger Lakes Woodturners will have first priority but anyone else is welcome too, so if you have a friend let them know (Get them to join FLWT too).

Edward DeMay  
1025 Sutherland Way  
Victor, New York 14564  
Home Phone 585-924-5265  
Cell Phone 585-406-6111  
[edemay@rochester.rr.com](mailto:edemay@rochester.rr.com). ♦

## Oneida Air Systems Dust Deputy

By Ward Donahue

Oneida Air Systems has donated a Dust Deputy to the Finger Lakes Woodturners.

Finger Lakes Woodturners thanks Oneida Air Systems for this donation. **When thinking of dust collection think Oneida!** ♦



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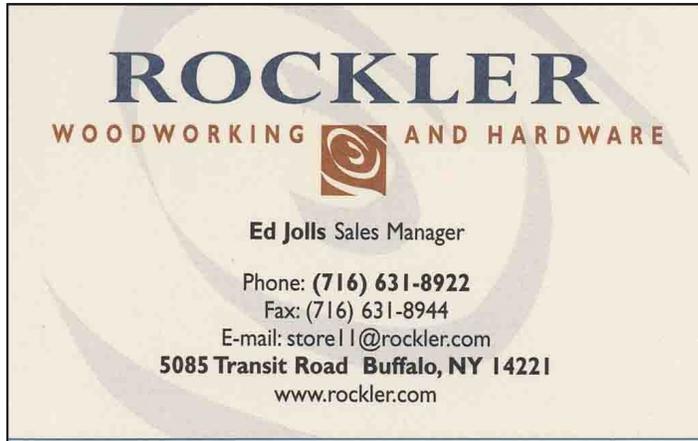
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## **FLWT Thanks Isaac Heating & Air Conditioning**

FLWT thanks Isaac Heating & Air Conditioning and Lee Spencer, VP of Finance, for their generosity in letting FLWT use

the "Isaac University" facilities for our meetings!

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## Calendar of FLWT Woodturning-Events 2010/2011

Date	Event	Location / Time	Pre-Mtg Show & Share	Challenge	Demo / Topic
Dec 2010	16	FLWT Christmas Party 6:00-9:00 PM	Pieters Life Center 1025 Commons Way, Rochester, NY	6:00 - 6:45 PM	
	23	FLWT BOD Mtg	No BOD Meeting in December 7:00 - 9:00 PM		
Jan 2011	20	FLWT Turning Mtg	Isaac Heating & Air Conditioning Classroom 6:00 - 9:00	6:00 - 6:45	Turn a thin Wall Bowl Jim Hotaling Candlestick Demo
	25	FLWT BOD Mtg	Ralph Mosher 715 Telephone Road West Henrietta, NY 7:00 - 9:00 PM		
Feb 2011	17	FLWT Turning Mtg	Isaac Heating & Air Conditioning Classroom 6:00 - 9:00	6:00 - 6:45	Turn a Candle Stick Lou Stahlman on Design
	25	FLWT BOD Mtg	TBA 7:00 - 9:00 PM		
Mar 2011	17	FLWT Turning Mtg	Isaac Heating & Air Conditioning Classroom 6:00 - 9:00	6:00 - 6:45	TBA Jim Echter Turned Lidded Box

## FLWT Board of Directors 2010 - 2011

Position	Name	Home Tel	Cell Tel	Email
President / Chair	Mark Mazzo	720-8613	704-7610	<a href="mailto:mark@mazzofamily.com">mark@mazzofamily.com</a>
Vice President	Mike Hachey	723-1395	738-4159	<a href="mailto:hacheymd@aol.com">hacheymd@aol.com</a>
Secretary	Bruce Trojan		261-7032	<a href="mailto:trojanbd@frontiernet.net">trojanbd@frontiernet.net</a>
Treasurer	Ed DeMay	924-5265	406-6111	<a href="mailto:edemay@rochester.rr.com">edemay@rochester.rr.com</a>
Librarian	Gary Russell	227-8527		<a href="mailto:cngrussell@rochester.rr.com">cngrussell@rochester.rr.com</a>
Newsletter Editor	Ralph Mosher	359-0986		<a href="mailto:2rmosher@rochester.rr.com">2rmosher@rochester.rr.com</a>
Advisors	Jeffery Cheramie	407-1197		<a href="mailto:jcheramie@rochester.rr.com">jcheramie@rochester.rr.com</a>
	Jim Echter	377-4838		<a href="mailto:jechter@rochester.rr.com">jechter@rochester.rr.com</a>
	Debbie Hachey	723-1395		<a href="mailto:hacheymd@aol.com">hacheymd@aol.com</a>
	Jerry Sheridan	494-1889		<a href="mailto:sheridanjerry@yahoo.com">sheridanjerry@yahoo.com</a>
	Dave Smith	244-1535		<a href="mailto:dsmith43rochester.rr.com">dsmith43rochester.rr.com</a>
	Jim Tallon	217 9779		<a href="mailto:jtallon@frontiernet.net">jtallon@frontiernet.net</a>

## Local and National Woodturning Events of Interest

2011		Event	For More Information
March 2011	26-27	Totally Turning Symposium Saratoga Springs City Center, Saratoga Springs, NY	<a href="http://www.totallyturning.com/">http://www.totallyturning.com/</a>

## Mentor Contacts<sup>1</sup>

Name	Day Tel	Eve Tel	Email	Turning Skills / Specialty
Doug Crittenden	924-5903	924-5903	<a href="mailto:cleo99@frontiernet.net">cleo99@frontiernet.net</a>	General turning
Ed DeMay	406-6111	924-5265	<a href="mailto:edemay@rochester.rr.com">edemay@rochester.rr.com</a>	Bowl turning, dust collection
Ward Donahue	334-3178	334-3178	<a href="mailto:wddonah@frontiernet.net">wddonah@frontiernet.net</a>	Spindle & hollow turning, coring, sharpening
Jim Echter	377-9389	377-9389	<a href="mailto:jechter@rochester.rr.com">jechter@rochester.rr.com</a>	Spindle & faceplate turning, sharpening
David Gould	245-1212	245-1212	<a href="mailto:D2sGould@aol.com">D2sGould@aol.com</a>	Bowls, plates and hollow-forms
Jim Hotaling	223-4877	223-4877	<a href="mailto:jhotaling2198@aol.com">jhotaling2198@aol.com</a>	Christmas ornaments
Ed Lehman	637-3525		<a href="mailto:elijw@rochester.rr.com">elijw@rochester.rr.com</a>	General turning
Ralph Mosher	359-0986	359-0986	<a href="mailto:2rmosher@rochester.rr.com">2rmosher@rochester.rr.com</a>	Faceplate turning, bowls
Dale Osborne	(315) 524-7212	(315) 524-7212	<a href="mailto:dborn3@rochester.rr.com">dborn3@rochester.rr.com</a>	General turning
Lou Stahlman	248-2097	248-2097	<a href="mailto:lstahlman@rochester.rr.com">lstahlman@rochester.rr.com</a>	How to cut wood
Erwin A. Tschanz	271-5263 (Dec – Mar)	271-5263 (Dec – Mar)		Historical, bowls, plates, goblets, boxes, bone, antler

**1. Here's a great way for you to improve your turning skills. FLWT has award winning and expert turners who, at no cost, are willing to share their expertise one-to-one with other club members. A mentoring relationship might be as simple as getting a mentor's advice in a one time conversation. Or, it might include regu-**

**lar hands-on sessions over a lathe. The exact nature is up to you and your mentor. If you feel you could benefit from mentoring, organize your thoughts about your needs and contact an appropriate volunteer mentor above to determine if he or she is a match and available. ♦**

## Treasurers Note

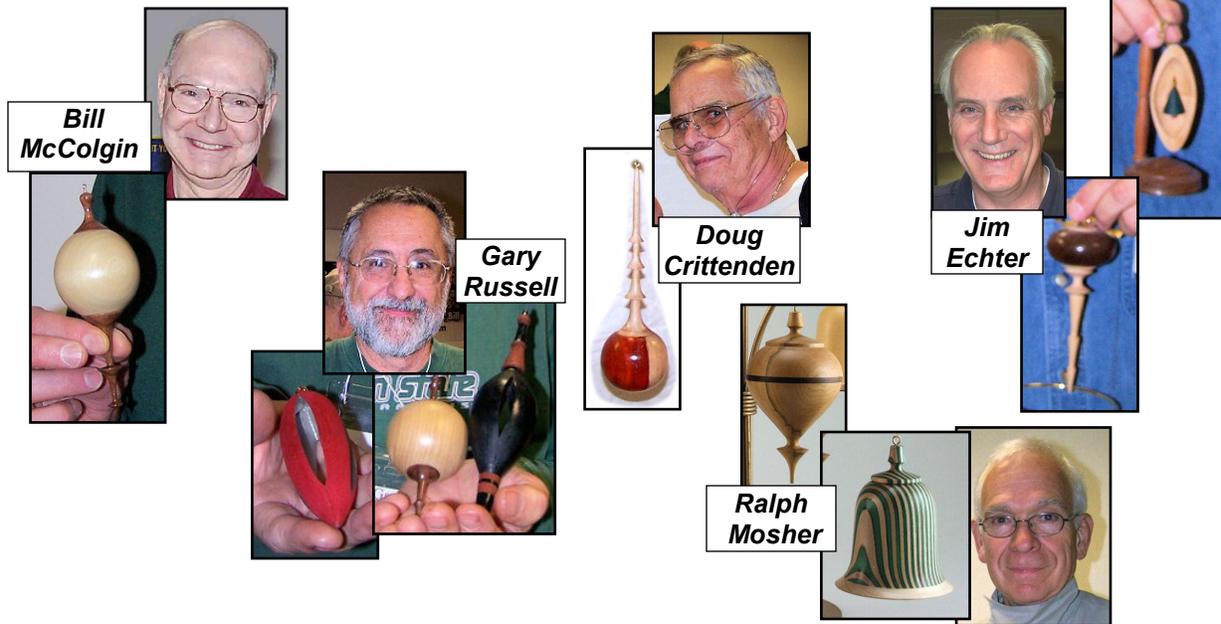
by Ed DeMay

Starting January 2010, I will present the Treasurer's report at each monthly meeting. If any member wishes further details

of our accounts, I'll be happy to oblige if you contact me. ♦

# November Challenge Project —Make an Ornament

Photos by Rich Connelly



# November Show and Share

Photos by Rich Connel-

