Bowl from a Board
A demonstration by Roger La Rose.

March Meeting Notes

Show & Tell Images

Wood of the Month

Steampunk Turning
A three sided box
By Roger Meeker

Providing an environment that fosters the art and craft of woodturning
A publication of the Detroit Area Woodturners
The Detroit Area Woodturners (DAW) is a local chapter of the American Association of Woodturners (AAW). The AAW is an international, not-for-profit organization dedicated to the advancement of the woodturning craft. Our mission is to provide information, education, a meeting place, and an effective organization or all who are interested in turning wood.

The DAW web site can be found at: http://detroitareawoodturners.com

The AAW web site can be found at: http://www.woodturner.org

Yearly chapter dues are $30 per individual or $35 a family. Membership is for the calendar year. These dues help the club provide tools for our monthly demonstrations, bring in outside demonstrators, have a yearly picnic and other club related activates.

Renewal forms are mailed to current members in November of each year.

New members can obtain a membership form from the website under the CHAPTER INFO tab.
Our Meetings are on the third Sunday of the month (September through June) starting at 1:30 pm and ending by 4:00 pm. We meet at the Shadbush Nature Center located in Shelby Township, Michigan, approximately 2 miles north of M-59 and 10½ miles east of I-75. The meeting is in a large log cabin located just inside the park entrance to the left (North).

**Our next meeting is April 27th 2014**

Address: 4101 River Bends Drive, Shelby Twp, MI
Phone: 586-323-2478

### Library
The library is available for all current club members. We have many books, magazines and DVDs available to check-out. A list of materials is available on the DAW website. Please help us maintain the library by returning checked out items promptly. The library is maintained by Terry Williams. Terry is always willing to take requests for new material.

### Mentoring
Our chapter sponsors a mentoring program, designed to help new (or rusty) turners familiarize themselves with tools and lathes, practice turning, increase their skills, learn shop and time-saving tips, and much more. This well-received program has proven to be an invaluable means of imparting skills and concepts. If you’re interested in the program contact: Ray Frase 248-520-6112
Upcoming Events

34th Annual 2014 Carving Show
Presented by the Metro Cavers of Michigan
March 22nd Saturday 10 am – 5 pm and
23rd Sunday 10:30 am to 4 pm
876 Horace Brown Drive, Madison Heights, MI

Al Stirt Demonstration
Demonstrating for the Detroit Area Woodturners
April 5, 6, & 7, 2014
http://alstirt.com

DAW April meeting
Sunday April 27, 2014 at 1:30 PM
Finials Demonstration

Utah Woodturning Symposium
May 15-17, 2014
http://www.utahwoodturning.com

DAW May meeting
Sunday May 18, 2014 at 1:30 PM
Joyner Pendent Jig Demonstration

AAW’s 28th International Symposium in
Phoenix AZ June 13-15, 2014
http://woodturner.org/sym/sym2014/

Turn On! Chicago Symposium
August 15-17, 2014
http://www.turnonchicago.com

Turning Open House @ Rays
Because of the snow we have gotten, the
February Open House has been cancelled.
Ray will start these up again once Mother
Nature gives us a break and we have
parking space on Ray’s street again.

From the Store

I had someone ask me about coloring CA glue
the other day. Colored CA glue is very
expensive. I found this on the IAP site:

“There have been posts in the past asking if there
was a way to color CA glue. I have had good
results today using Pearl Ex powder and thick
(700 or 1500 CPS CA). Place a small amount of
the powder on a piece of paper, add the CA and
mix with a piece of wood (like an ice cream stick
or small diameter wood dowel just larger than a
toothpick). You should have a good 1-2 minutes
before the CA sets.
I haven't tried the thin or medium CA, but for a fill,
they would be too thin anyway.”

Ron Black – DAW Resale Chair
1-586-530-6308

Sharpening Video

There is a very good sharpening video on
YouTube posted by the Woodturners of
Southwest Missouri. This is of a club
demonstration by Doug Thompson from
Thompson Lathe Tools. Doug presents a very
clear explanation of how to sharpen a bowl gouge
and how to create a negative rake scraper. I hope
you find it as interesting and informative as I did.

https://www.youtube.com/watch?v=ZOc6giDP39A
I want to thank everyone that filled out the member survey. We gathered a lot of useful information that the Board will be using to direct the club in the months to come. I want to follow up on a few of the items I touched on in the last Members Meeting.

The Board will be looking into having summer meeting starting in 2015 and will continue to try and add other activities to the calendar. We have already added an Events Tab to the Meetings Tab on the web site. Keep checking back there to find out what things are happening. We will also try to send emails to all members to let you know about group events. We promise to keep the number of emails down to a reasonable amount. If we are sending too many emails, let us know.

We are always looking to add services for the membership. If you have ideas, please talk to someone on the Board. We are also looking for people who want to donate their time or resources to the club. Please let us know if you would like to help, we are always looking for more help. We have had a couple of individuals offer to open up their shops and share their knowledge/talents on different topics. Even if you don’t have a skill you would like to share, if you are willing to share your shop, someone with a talent and a smaller shop may work with you to create a learning experience for a group of members.

One thing I keep hearing from members is they just like getting together with other woodturners, so help us make that a reality as often as it is possible.

Phil Stevens – President

First off, something different. Basic bowling turning is by far the most common book subject found in the library. This is not meant as a slight, but do we really need another book on bowl turning by (insert your favorite turner author)? So in my search for new material, I’m trying to go beyond that kind of subject matter. (In presenting this at the business meeting, this first book got quite a favorable reaction .).

Contemporary Woodturning by Nick Arnall
What Amazon has to say:
“Woodturning, a form of woodworking where the wood is moving while a stationary tool is used to cut and shape it, is capturing the attention of crafters near and far. Contemporary Woodturning, a clearly illustrated guide for those of all skill levels, features step-by-step instructions for creating 15 original projects with contemporary flair. Easy-to-follow and supported by over 750 inspiring photos, chapters include expert information on spindle and faceplate turning, end-grain hollowing, as well as some nifty decorative techniques such as pyrography, texturing, carving, piercing, and coloring. In addition, readers will have instant access to the most up-to-date information on tools and equipment, sharpening, abrasives, and
finishing, plus health and safety issues. Whether you’re a seasoned turner or just starting out, Contemporary Woodturning will bring an abundance of technique and encouragement to your shop.”

First off, this is not for the production turner. What this is though, is an art book, making wood art with more than just a lathe. It's designed to go beyond the usual bowl, plate, and spindle making. It covers projects where the artistic nature of wood is incorporated into a larger project, bowl, spindle or plate.

It covers the basics of Health & Safety, tools, but also the later decisions of abrasives, pyrographics & texturing, and coloring.

With projects and lots of pictures, hopefully this book will inspire you to go beyond your usual project inspiration.

Metal Inlay Techniques for Woodturning and Woodworking
DVD by Ted Sokolowski

What Amazon has to say:
“The idea of metal inlay was born from the fact that wood does crack and often times has natural voids and crevices that don't always look good in finished pieces. Rather than trying to hide the imperfection, it is now possible to enhance the defect and bring attention to the void or blemish in a positive light.

Metal Inlay Techniques for Woodturning and Woodworking covers all aspects and details of successfully inlaying metals like copper, brass, bronze, pewter, etc. into your woodworking or lathe-turned artwork during your very first attempt. Techniques that have taken the author years to streamline are now condensed into a highly concentrated seminar on DVD. Professionally written, edited, videotaped and authored, Metal Inlay Techniques for Woodturning and Woodworking will reveal all the secrets for a technique that has added a signature style to the author's work who now adds metal inlay to wood whether it is, in fact, blemished or not.

Metal inlay techniques will add value and beauty to your woodworking and / or woodturning and saves valuable timber from the landfill or burn barrel.”


I got the suggestion from Craig Drozd about this video. Little did he know I was already planning of acquiring it.

This DVD fills a void, (no pun intended) on trying to salvage a cracked project. There are many videos that try to instruct you on preventing a cracked pot, but this is the first I've seen that tries to get you past those feeling of more firewood for the burn pile. With the application of powered metal and epoxy, its possible to turn a disappointing flaw into a unique beauty mark.

So if you find your stored project from several months back decides to move on you and crack, give these techniques a try.

Terry Williams – DAW Librarian
I ask the question and you provide the answers. Each month I’ll ask a question here and give everyone an opportunity to respond. In the following newsletter I’ll provide a summary of your answers.

Last month’s question was:

What is your favorite wood to turn and why?

And the responses were:

- Overall, I would have to say cherry is also my wood of choice for the same reasons you have mentioned. For finials, I’ve had the pleasure of turning Gaboon ebony, it cuts like butter and you don’t really need any finish. Unfortunately, recent hikes in price have dramatically restricted the use of Gaboon ebony.
- My favorite wood is osage orange. It turns nice and sands and buffs to a beautiful sheen. It just kind of glows when finished.
- I like Poplar. It is a soft hardwood that turns well wet or dry, takes a finish well and easy to carve or burn. The pale green center and white sapwood always is pleasing to the eye.
- My no 1 choice of woods is cherry. Besides being easily available, I find it to be very stable, easy to work with, accepts finish and texturing fairly well. I can also advance the ageing process by using lye.
- My favorite wood is Olive both European, and mission. Olive is easy to work, smells great when it is being worked and has a tremendous grain pattern.
- Free wood. I find it cool that I can literally go out into my back yard and find something to turn.....Members have given me free wood too. I kind of count the raffles free wood too.

March’s Question:

What is your favorite finish?

For small turnings I like using a French Polish. It goes on easy and cures Immediately. For larger turnings I prefer spray lacquer because I can apply multiple coats in one day. It’s all about speed for me.

Send your responses to craig.drozd@outlook.com, please put ‘Club Q and A’ in the subject line to help me filter them.
This April the DAW will be welcoming Al Stirt to the club for a one day demonstration and two hands-on classes. The one day demonstration will be held on Saturday April 5th. The two classes will be the following two days (Sunday & Monday). The Sunday class will be reserved first for working DAW members while the Monday class will be for the retired members. There are eight slots available for each class. If more than 16 DAW members want to attend the classes we will have a drawing to select the sixteen. If you want to attend the class it is also highly suggested you attend the Saturday demonstration. Many of the things covered in the demonstration will be put to practice in the class. The demonstration costs and registration form are at the end of this newsletter and on the DAW website. Until April, check out Al’s web site to see the great work he does. [Alstirt.com](http://Alstirt.com)

The Saturday demonstration location is still up in the air as of this newsletter date. Check the club website for the latest details. The classes will be held at Ray’s shop.
President Phil Stevens opens the March club meeting

- Phil started the meeting with the Presidents Challenge drawing for three $10 gift certificates.
- New member / guest introduction; we had one new members & one guest today. Welcome Jerry and Ken.
- 1st Vice President Roger Meeker discuss the upcoming June turn-a-thon picnic. Members are encouraged to bring their spouses to the picnic. Last year was the biggest picnic yet and we hope to make this year’s even bigger. Roger showed a sample of the turn-a-thon mug that will be given out to each member at the event.
- 2nd Vice President Dennis Montville mentioned that the Al Stirt demo is quickly approaching. We have one opening for the Monday hands on lab. We need more people to sign up for the Saturday demo. Signing up in advance help ensure we have enough food ordered for everyone.
- Jim Scarsella said we picked up several new members as a result of our efforts at the WoodWorking Show. The club is now at 96 members. He is still working on getting badges for the new members.
- Alfred said they still need help getting the lathe back to the storage building.
- Ron Black said the club store is now selling Ray’s 3-2-1 finish. We are also selling the Final-Cut product made by Mike Foydel.
- Mike discussed how to use Final-Cut. It is made with boiled bees wax. This product is food safe.
- Ron was collecting orders for the club smocks and Timberwolf bandsaw blades.
- Paul is taking orders for the Detroit Bandsaw blades.
- Phil talked about the orders for club clothing.
- Ray mentioned that some of the club turners should consider adding a turning to the club raffle (Door Prize).
- Terry now has the library magazines sorted by title to make it easier to find the one you’re looking for.
- A member mentioned that Metro Carves is having their show this coming weekend.
- The board decided to award the club scholarship money to the seven club members attending Arrowmont this year. $75 will go to each member’s class registration fee.
- Phil mentioned that the May meeting will be at a new location because of a conflict with Shadbush on that date.
Meeting Notes (Continued)

- Phil reviewed some of the club survey results.
- Two thirds of the club members completed the survey.
- Just over half the members are retired, the rest are split between full and part time work. Knowing this will help us schedule club events.
- Everyone agrees that we provide good value for the club dues.
- 8% of the responses said the meeting audio/video could be improved. If you have suggestions please talk to a club board member about them.
- Results show members are visiting the clubs website. We are continuing to make improvements to the site.
- Two thirds of the response indicated we should have summertime meetings. Because of the planning required we don’t think we can start this for 2014. The board will look at summer meeting for 2015.
- Members overwhelmingly indicated they would be interested in other club activities. The board will try to setup other events for this summer.
- Loel mentioned that TechShop has a 3 month free offer for veterans.
- Jack discussed the tool resale that will be at the June Turn-A-Thon.

Ray’s 3-2-1 Finish

Ray demonstrated how to apply what he calls the finest finish on the market. It’s called 3-2-1 because its 3 parts shellac, 2 parts alcohol and 1 part boiled linseed oil. Before you use it be sure to shake it up good because the solution separates when it sits. You will need to apply a lot of it. As Ray says “Put it on like it’s free!”. Rub it liberally with the lathe off. Then turn on the lathe and rub the finish in with a piece of paper towel. Stop the lathe and let the finish cure for 45 – 90 seconds. Start the lathe again and using the same spot on the paper towel (this is key, you need to keep using the same part of the paper towel each time. Using a dry part will actually remove some of the finish instead of adding to it). Stop the lathe and let it cure again for about 45 second. Repeat this process several more times for a shine. The final step is to put carnauba wax over the finish for an even brighter shine.

See the video at:
http://youtu.be/h2gOLMVww64
Roger demonstrated the process behind making a bowl from a board. The basic idea is to cut rings in a flat board then stack and glue the rings together to form a bowl. There are several common ways to machine the rings from the board:

- Ring Master (Roger used one connected to his Shopsmith lathe)
- Bandsaw
- Scroll saw
- Lathe

The angle of the cut is the most important part in the process. To determine this we use geometry.

To accomplish this we have to know the thickness of the ring (Adjacent) and the thickness we want the ring (Opposite).

**Examples**

\[
\tan \theta = \frac{\text{Ring Thickness/Board Thickness}}{\text{Thickness of Ring/Bowl}}
\]

If the board was ½” thick with 3/8” ring

- \( \theta = \tan^{-1} \left( \frac{.375}{.5} \right) = \tan^{-1} \left( .75 \right) = 45.8^\circ \)

If the board was 3/4” thick with 3/4” ring

- \( \theta = \tan^{-1} \left( \frac{.75}{.75} \right) = \tan^{-1} \left( 1 \right) = 45^\circ \)

Roger created a slide presentation showing all the formulas and options. You can find the document on the club website at:

[http://detroitareawoodturners.com/resources](http://detroitareawoodturners.com/resources)

A video of Roger’s demonstration is at:

Every month there will be a Presidents Challenge. Everyone that enters will be in a drawing to win a prize for that month. Ideally, the challenge project will be something relating to the prior month’s demonstration.

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Next month’s challenge will be a bowl from a board using the techniques taught at the March demonstration by Roger La Rose.
Presidents Challenge (continued)
Show & Tell

Ray Frase

Ray Frase

Jack Parmenter
Show & Tell (Continued)

Rick Breen

Rick Breen

Ben Shipman
Show & Tell (Continued)

Bill O’Brien

Bob Brines

Bob Brines

Matt Harber
Show & Tell (Continued)

Alfred Schembri

Alfred Schembri

Paul Neuburger
Show & Tell (Continued)

Paul Neuburger

Rich Kowalski

Mike Foydel

Mike Foydel

Mike Foydel
Show & Tell (Continued)

David Allar

Phil Stevens
Show & Tell (Continued)

Phil Stevens

Jim Scarsella

Jim Scarsella

Roger Meeker
Roger Meeker wowed the crowd this month with his rendition of Steampunk on a three sided box. This was Roger’s entry into the President’s Challenge and is titled Steampunk Ken. Roger said this started out as a 3 sided box turning but he wasn’t completely happy with the way it was developing. For a typical off center box turning it can be very difficult to get all 3 sides perfectly matched. This often results in a lid that only goes on one way for it to match on each side. Roger decided to put a hinge on the top to ensure the correct orientation.

There was a lot of carving involved in creating the simulated metal straps. He used Liquid Leaf paints for the copper, brass and silver colors. The black areas were hammered with a reciprocating device then painted with a black gesso. The simulated rivets were created with a punch. The gears and key were purchased at the local Michaels Arts & Craft store. The springs were from some spare ink pens. Roger used a black wax (such as Liberon) to create the aged rivet look. This is applied then wiped off so that it remains in all the cracks and indents. A couple of coats of Krylon Matte finish completed the piece.
Faces in the Crowd
Wood of the Month – Pink Ivory

**Common Name(s):** Pink Ivory, Red Ivorywood  
**Scientific Name:** Berchemia zeyheri  
**Distribution:** Southern Africa  
**Tree Size:** 100-130 ft (30-40 m) tall, 3-5 ft (1-1.5 m) trunk diameter  
**Average Dried Weight:** 66 lbs/ft³ (1,065 kg/m³)  
**Specific Gravity (Basic, 12% MC):** .83, 1.06  
**Janka Hardness:** 2,320 lbf (10,320 N)  
**Modulus of Rupture:** 22,190 lbf/in² (153.0 MPa)  
**Elastic Modulus:** 2,236,000 lbf/in² (15.42 GPa)  
**Crushing Strength:** 11,690 lbf/in² (80.6 MPa)  
**Shrinkage:** Radial: 4.8%, Tangential: 7.2%, Volumetric: 12.1%, T/R Ratio: 1.5

**Color/Appearance:** Pink Ivory ranges in color from a pale brownish pink, to a bright, almost neon pink, to a deep red. Typically the most valuable pieces of Pink Ivory are a vibrant pink. Pink Ivory can commonly be seen with a curly or fiddleback grain pattern, further enhancing its visual impact. Sapwood of Pink Ivory tends to be pale yellow to light brown, with a somewhat gradual demarcation from heartwood. Color changes in Pink Ivory (becoming faded or dull over time) can be problematic and are not fully understood.

**Grain/Texture:** Has a fine texture with a tight, uniform grain.

**Endgrain:** Diffuse-porous; small pores in no specific arrangement; commonly in radial multiples of 2-4; gum/heartwood deposits common; growth rings may be distinct due to increased pore frequency in early wood; rays visible without lens; parenchyma rare or absent.

**Rot Resistance:** Rated as durable to very durable regarding decay resistance, Pink Ivory is said to have excellent weathering characteristics: though it is seldom used in applications where this would be an issue.

**Workability:** Pink Ivory has a pronounced blunting effect on cutting edges, and it’s fairly difficult to work in board form. Tearout can occur on figured or quartersawn sections during planing. Pink Ivory is much more common in applications involving carving or turning, and it turns and finishes well.

**Odor:** Pink Ivory has a distinct and somewhat unpleasant odor when being worked.

**Allergies/Toxicity:** There has been no adverse health effects associated with Pink Ivory. See the articles Wood Allergies and Toxicity and Wood Dust Safety for more information.

**Pricing/Availability:** Reputed to be a scarce commodity, Pink Ivory is typically very expensive, usually on par with Gaboon Ebony: another pricey African import.

**Sustainability:** This wood species is not listed in the CITES Appendices or on the IUCN Red List of Threatened Species.

**Common Uses:** Carving, veneers, inlay, knife handles, billiard cues, chessmen, and other turned objects.

**Comments:** Pink Ivory trees are said to be both rare and valuable, and have been rumored to be “rarer than diamonds.” Other reports state that the tree is relatively common in some areas of South Africa—though large trees with straight, defect-free trunks are much more scarce. According to folklore, the tree is considered royal to the Zulus in South Africa.

**Related Species:** None available.
Benefits of joining the American Association of Woodturners (AAW)

- Six issues of American Woodturner annually
- Automatic participation in periodic drawings for prizes
- Access to all past issues of American Woodturner, viewable online through the website Members Area.
- Access to machine-readable American Woodturner issues for those members who are visually impaired and utilize screen-reading software - contact the webmaster if this applies to you.
- Marketing opportunities on our website for artists, collectors, galleries, and museums.
- Group rates for individual and chapter insurance.
- Savings of up to 50% on AAW merchandise, including project books, DVDs, logo apparel, and more.
- Eligibility to apply for AAW Educational Opportunity Grants.
- AAW Forum and member-only access to articles and resources on our website.
- Eligibility to vote in AAW board elections if a member before the end of August in that year.
- Eligibility to apply for membership in the Professional Outreach Program (POP).
- Access to POP Fellowship grants.
- Exhibit opportunities - AAW members may enter work for the annual juried member exhibit featured at the Symposium, the Gallery of Wood Art in St. Paul, and other venues.
- Annual International AAW Woodturning symposium.
- Demonstration opportunities at AAW symposiums.
- AAW "Resource Directory" that contains a complete listing of contact information for members, local chapters, demonstrators, and other woodturning resources. Updated listings are available to members through the AAW website.
- More than 300 AAW local chapters that offer workshops, camaraderie, opportunities to share ideas and techniques, and access to lending libraries, discounts, and volume purchases.

Russ Holmes wants you for breakfast

There is a breakfast get together every Tuesday Morning at 8:00am, held at the Avenue Restaurant on Woodward Ave at 13 Mile Rd.

All are welcome.
When ordering from a star supplier, be sure to inform them of your Detroit Area Woodturners membership Discounts may apply – usually 10% or Club Credit

Hartville Tool
http://www.hartvilletool.com
800-345-2396
Woodturning Supplies

Craft Supply
http://www.woodturnercatalog.com
800-551-8876
Woodturning Supplies

Packard
http://www.packardwoodworks.com
800-683-8876
Woodturning Supplies

Klingspor
http://www.woodworkingshop.com
800-228-0000
Abrasives and woodturning supplies

2Sand.com
http://www.2Sand.com
877-644-7445
Sanding Supplies

Choice Woods
http://www.choice-woods.com
888-895-7779 or 502-637-1190
Wood, turning stock & supplies

Landfill Lumber
http://landfill lumber.com/
586-563-0441
Victor Lewandowski - Woodturning Stock

Richard Lauwers
810-724-2263
Kiln dried oak and maple

Rockler
29918 Woodward Ave, Royal Oak, MI 48073
248-543-5110
DAW Discount only at this location

Woodcraft
http://www.woodcraft.com
800-225-1153
Woodworking and hardware

The Sanding Glove
http://www.thesandingglove.com
800-995-9328
Sanding Supplies

Log 2 Lumber
http://log2lumber.com
248-535-5035
Chuck Lobaito – Portable saw mill

AAW - National Organization
Web Site: http://www.woodturner.org/

Michigan Association of Woodturners (Holly, MI)
Web Site: http://www.michiganwoodturner.org

Detroit Area Woodturners (Shelby Twp, MI)
Web Site: http://www.detroitareawoodturners.com/

Blue Water Area Woodturners (Richmond, MI)
Web Site: http://www.bluewaterareawoodturners.org

Grand River Woodturners Guild (Grand Rapids, MI)
Web Site: http://www.grandriverwoodturners.org

Ohio Valley Woodturners Guild (Cincinnati, OH)
Web Site: http://www.owwg.org

Arrowmont School of Arts and Crafts
Web Site: http://www.arrowmont.org/

Marc Adams School of Woodworking
Web Site: http://www.marcadams.com/

John C. Campbell Folk School
Web Site: http://www.folkschool.org

Woodcraft of Sterling Heights (586) 268-1919
Web Site: http://www.woodcraft.com

Al Stirt: Woodturner, Artist and Teacher
Web Site: http://www.allestirt.com

Rockler
Web Site: http://www.rockler.com
From the Editor
Articles are due at the monthly meeting (for example, submit at or before the February meeting for the February Newsletter) and should be submitted to Craig Drozd at Craig.Drozd@outlook.com.

Member Projects
If you have a woodturning project that you would like to showcase to our club members, you can send me detailed information about your project with pictures.

Articles on New Woodturning Techniques and Tools
If you come across an article, wish to write an article on a new wood turning technique, care to write a review or want to forward on a review of a new wood turning tool, please feel free to do so. Any photos will be helpful.

Shop Talk
Everyone has a different way of doing things in their shop and everyone's shop is different in many ways; whether it's size, location, or physical layout you are probably doing something that would be helpful for others to see.

Members Questions & Answers
Members are asked to submit woodturning, finishing and tool questions to our resident experts to answer. There are no dumb questions; someone else in the club may have had the same questions.

Classified Ads
Ads for woodturning and woodworking related items are free to members. Send detailed information with pictures.

Wood to Turn
Do you have wood, need wood or know about wood that is available for turning? Let me know and I'll pass it along.

From the Editor, Again
Let's make this newsletter something interesting, if you send it, we'll publish it.

Footnote
If possible, please send a digital file (I don't type very well). Thank you!
**Al Stirt Sign Up Form**

- **Saturday, April 5, 2014**
  One-day event, presentation/demonstration
  The Shadbush Nature Center
  Includes lunch
  
  $35

- **Sunday, April 6, 2014** *
  One-day hands-on workshop
  Ray Frase's Studio in Waterford
  Includes lunch
  
  $125

- **Monday, April 7, 2014** *
  One-day hands-on workshop
  Ray Frase's studio in Waterford
  Includes lunch
  
  $125

* Restriction of 8 woodturners per day (DAW Members turning in their Forms at or before the February 16th Meeting will be entered into a drawing, if necessary). After the February meeting, Forms will be accepted from members and non-members on a first come first serve basis for any opened slots.

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**This form must be returned by the February Meeting for drawing (if necessary)**
796 Rock Spring Road
Bloomfield Hills, MI 48304