

Craft, Technology, and Tradition.



The Monthly newsletter of the Chicago Woodturners

**June 2013** 

#### 2013 Demos and Hands-on Classes

All day Saturday demos are held in our normal Christian Liberty meeting room. Sunday one day classes and Monday/Tuesday 2 day classes are held at Normac.

Hans Wiessflog July 6-9 **FREE!** Saturday demonstration

Bonnie Klein: November 9-12

Learn more about Hans Wiessflog from Paul Shotola on Page 6 Signup is open and hands-on classes are filling up fast. See page 17 for more class details.

Successful Ornamental turning symposium held in May See event pictures on Page 8



#### Mentoring

Bring your turning questions, problems, and dull tools to Tuesday's meeting and be prepared to get any questions you have answered. As always the mentoring session starts at 6:00PM. Lathe and grinding wheel is available.

2013 Meeting Agenda					
Month	Gallery Review	Demonstration			
June	Andy Kuby	Build a Wood burner - Al Miotke			
July	Dawn Herndon Charles	Wands—Don Johnson			
Aug	Don McCloskey	Offset Turning—Clint Stevens			
Sept	Bob Barbieri	Desk Clock/ Rose Engine—Paul Pyrcik			
Oct	TBD	Open Segment Turning—Bill Robb			
Nov	TBD	DIY Tools—Francisco Bauer			
Dec	None	Christmas Party			



President Scott Barrett

# AAW membership is a great bargain.

Lets strive for 100% club membership in 2014

#### **Presidents Curls**

June is American Association of Woodturners Symposium Month. It's a good time to reflect upon the value of AAW membership. Although the annual symposium is the flagship offering of our parent organization, the multitude of offerings available throughout the year is what makes membership such a good value. The AAW publishes their outstanding journal, American Woodturner, six times throughout the year. It is a treasure trove of information. Here you will find what's happening not only in professional circles but also tips and tricks for the novice to experienced turner. For me it often provides the inspiration for attempting a new project or implementing a new technique. When American Woodturner is in my mailbox I know my evening reading assignment has arrived.

In addition to these two benefits, the AAW offers Education Opportunity Grants to its members to pursue an area of woodturning of interest to them. Most years there is more money to be awarded than is applied for or awarded. The process is relatively easy and can be used for an unlimited number of purposes. If there is a class, or project that interests you, and finances are preventing you from attending or developing the project, the AAW Grant Program may be an avenue for you to investigate.

Recently the AAW undertook a wholesale revamping of their insurance programs. Our club has taken advantage of their extended liability insurance offering. We can rest assured that we now have in place a policy that offers protection to our demonstrators, members, and guests during sanctioned club

activities. But this is just a small part of what is available in the area of insurance. On the AAW website you will find links to other insurance possibilities. As an AAW member you can arrange Business, Health, and Liability insurance at group rates. Purchasing a policy at a group rate often times results in a significant savings.

The Forum page on the AAW website is another area that can provide help to others or a solution for you. Members of all abilities share their knowledge and questions to solve simple to complex problems.

These are just a few of the highlights of what the AAW has to offer to our membership. So take a moment and visit, <a href="www.woodturner.org">www.woodturner.org</a>, and see what else is available. Then if not already a member, become one. As earlier stated, the journal itself is worth the yearly dues. I would like to see our chapter attain 100% AAW membership by January 2014. Support of our parent organization is vital to the future of woodturning and our club. Don't procrastinate; the next issue of American Woodturner is just around the corner.

but Daniel

The May 14th meeting of the Chicago Woodturners was called to order by President Scott Barrett promptly at 7:00 pm. Scott lamented the absence of Roger Schackelford due to illness. Roger is offering his Vega 2600 bowl lathe with all the accessories for an asking price of \$3200.

Scott has been contacted by Modern Urban Woods who deals in reclaimed barn woods. They have an overabundance of woods and would very much like to reduce their stock by having wood workers drop by to purchase some stock. They are located in West Chicago and have a web presence at <a href="http://www.modernurbanwoods.com/">http://www.modernurbanwoods.com/</a>.

Scott Barrett and Darrell Rader have past experience with Larry Martin who works with Woodworkers with the Blind. Last year Scott and Darrell worked with seven blind members on spindle turning projects and bowls. This year Scott and Darrell will assemble five students, each at a lathe. This year they will make a pen, screwdriver handle and small bowl. Easy Wood Tools has loaned four sets of tools for this project. The tools will be available to the blind woodturners for a 25% discount after the turning session. Should any tools be left, Scott will bring them in for members to buy at the same discount.

Easy Wood Tools has also sold Scott one of their easy chucks with quick change jaws. Scott made it available for members who might be considering purchasing one but want to try it out first. Scott's generous offer is good for the next six months. Sign up with Rosemary Pagura to reserve Scott's chuck for a month. This is Scott's way of giving back to Easy Wood Tools for their support of CWT and the blind woodturners project.

Richard Nye reminded CWT that our June 1st demonstration will be held at Christian Liberty and feature skew master Alan Lacer. Alan will offer a close look at the skew chisel, sharpening it and teach at least eight different cuts with it. He will explore issues of hollowing end grain and make an end grain hollow box. Time allowing, he

will talk about making a hook tool and demonstrate its use. Hands on classes will be held Sunday, Monday and Tuesday at Normac Industries in Geneva. If there is enough interest Alan may add a class Wednesday.

Hans Weissflogg will be with CWT in July and Bonnie Klein will be with us in November. Both will have hands on classes so sign up with Rosemary.

Scott noted that Don McCloskey was absent, but will need donations for Empty Bowls. Let's bring in enough bowls to give him a tired back and large smile packing them to Oakton College in December.

Darrell Rader inquired about interest in mentoring in May. Nobody expressed an interest....it must be spring weather keeping us out of the shop.

Roger Basrak reported 177 paid members 68 in attendance. A returning member Don Muntz from Valparaiso Indiana was also present.

Scott discussed the state of our insurance policy. We have purchased extended insurance which covers CWT functions in members shops, classes at Normac Industries and demonstrations where ever they may be held.

Binh Pho addressed CWT members letting them know that he is still on the AAW board and will maintain that position for another year. He talked about the AAW Symposium at Tampa in late June. Videographers are still needed for that event. Volunteers will have their registration fee

waived and have a free banquet ticket. Binh noted that AAW events are attended by museum and gallery curators to recruit talented turners. Many collectors and



(Continued on page 4)

# CWT News

#### **May Meeting Minutes**

**Clint Stevens** 

(Continued from page 3)



turners make connections at these events.

Scott reviewed the ornamental turning event held with David Lindow and Peter Purcell. About 20 turners spent a grand weekend at Normac Industries. Darrell Rader and Marie Anderson received high praise for their efforts organizing this function.

Andy Kuby conducted a raffle which brought in \$156 and gave away highly prized woodturning swag.

Alan Carter gave an honest and accomplished review of the instant gallery.

Very accomplished turner Ken Staggs gave a revealing demonstration on natural edge turning.

Such are the minutes of the Chicago Woodturners May 2013 meeting, as near as I remember with the help of my good friends.

#### Membership report

**Julie Basrak** 

The number of members of Chicago Woodturners now stands at 177 members who have paid for 2013. Another email will be sent to the approximately 35 members from last year to encourage membership for another year.

Sixty-eight members were present at the May meeting. One new member joined, and no guests were present. Our new member at the meeting is Don Bunce (actually a returning member) from Valparaiso, IN.

Please remember to volunteer to greet new members and answer any questions they might have. Just let Roger & Julie know if you're interested when you pick up your name badge. Thanks!

Don't Forget Empty

**Bowls** 



For the May demonstration, Ken Staggs showed us how to make a natural edge bowl. He started with a half-cylinder of wood, perhaps 8-inches long and 3-inches in diameter—smaller than one might normally choose, but this was a demo. He used Norwegian Red Leaf Maple that had been seasoned for at least two years. Wood harvested during the winter months is more likely to retain its bark—a key consideration for a natural edge bowl.

Ken centered the blank on the tailstock, with the bark side at the headstock end of the lathe. His first task was to make a spigot on the tailstock end of the piece, using his bowl gouge almost as if it were a scraper tool. Once the spigot was formed, he reversed the piece and held the spigot in a chuck, with the tailstock drawn up to stabilize the bark-end of the blank.

The next step was to take the corners off the spinning blank, using tiny cuts with his bowl gouge. These initial cuts are made with the toolrest parallel to the lathe bed. After the two ends of the piece were rendered round, Ken began to shape the outside of the bowl by removing mass from the head-stock end of the piece. The bowl gouge was also used to make a small foot at the base of the bowl. Once the outside shape was determined, Ken used a scraper flat on the toolrest to refine the finish.

With the outside of the bowl completed, Ken moved the toolrest perpendicular to the lathe bed and started to hollow out the vessel. He used a series of 1/8" cuts with the bowl gouge. The bowl gouge was held away from his body and parallel to the floor, as the tool handle was drawn in an arc

toward his body. The tool tip starts on its side and moves toward the center of the vessel. The goal was to achieve a final thickness of about 3/16".

With the inside of the bowl excavated to the desired depth and thickness, the piece got remounted. This time, the inside of the bowl was oriented toward the headstock, cushioned by folded layers of plastic bubble wrap. The point of the tailstock was positioned in the center of the base, and Ken used a bowl gouge to remove most of the spigot. Note that the toolrest was positioned perpendicular to the bed ways during spigot reduction. A skew chisel, used in scraping mode (flat on the toolrest), was used to refine delicately the underside of the foot. The underside of the foot should form a slight concavity, so the bowl will sit on the outer rim of its base (no wobbling).

Finally, with the piece off the lathe, Ken removed the small nib at the center of the base using a carving tool with a #12 sweep.

So in the course of about 45 minutes, Ken was able to take a small half-cylinder of hard maple and turn it into a natural edge bowl. True, the finished piece was small, maybe about 1/4 the size



of the natural edge bowl turned by Paul Shotola for the critique table about five years ago. But Ken did his in less than an hour with a group of about 75 turners watching his every move. No pressure, right Ken? So now you know all the steps. All you have to do is find that piece of hard maple that has been aged for at least two years. Thanks for the lesson, Ken. You made it look easy.

#### Hans Weissflog Demo coming to CWT

#### **Paul Shotola**



Porsche, Audi, BMW. When you think of these three cars, what comes to mind? Precision? Check. Performance? Check. Style? Check. Yes, and our July demonstrator has all of those things, plus a German pedigree. Hans Weissflog, from Honnersum, Germany, turns wood, creates art, teaches around the world and embodies all of those Teutonic virtues these three automobiles are famous for.



Precision, performance, style along with quality, inventiveness and experience are just a few of the things that Hans will bring to the table in July. His

small turnings encompass all of these traits, but the techniques can be learned. Learned when the teacher is a master at his craft, and thoroughly understands the processes. A gifted teacher, his son Jacob (Say Yahcub, as he's German as well) apprenticed with his father for years, and had to meet the rigorous standards set forth by Weissflog and his reputation before he was considered fully trained. Jacob's work is now in major collections and museums, thanks to the tutelage and skills of his father.

The demo is on July 6<sup>th</sup>. Classes are July 7, 8 and 9. Hans is in the U.S. for a rare visit to the AAW Symposium in June, and we are fortunate to get him booked for our club. To further sweeten the pot, admission to this long-awaited demo is FREE. That's right; no charge. To give us all an opportunity to see, learn, be entertained (yes, that's a virtue of German automotive engineering as well), and inspired by this Modern Master, there is no charge for admission to the demonstration at in Arlington Heights. Classes will be held, as usual, at the CWT classroom in Geneva.

While the Chicago Woodturners do not expect any profits from this demo (the cost to the club is

f u n d e d b y t h e Educational Fund) a full house is expected. We have checked with the Weather Service, and have been promise lousy weather for yard work and picnics, but the conditions at Christian Liberty Academy will be perfect for attending a



demo. Seriously, you don't have any excuse to not be there. Admission is free, the demonstrator an inventive and skilled artist and teacher, plus it's a



rare opportunity to spend the day with Hans Weissflog. We'll see you there. Rev it up in July with some Teutonic turning skills.

You Don't Need It But.... Paul Rosen

Woodturning is an acquisitive hobby. First you buy the lathe–often a mini-lathe, along with the first set of turning tools. Then you start to read about special bowl gouges with swept-back (Celtic) grinds, or maybe an ultra-thin parting tool. So you buy more tools. And then you see an expanding chuck at a tool show. Better than a faceplate? So you plunk down the money for the chuck. Then you start thinking, "Why should I buy wood for turning when I could harvest it myself?" So you look into buying a chain saw. Are you seeing a trend here? That's why people at Woodcraft and Rockler love us woodturners. We help to support them. Often.

Since I recently turned 70, I've come to the point in life where I've bought almost all of the lathes and turning tools I thought I would ever need. Or want. But going to the annual Woodworkers Show in Milwaukee is a disease I have yet to shake. Each year, I buy less and less. But I always see something new. Something I don't really need, but want. So it was with the AccuRite® Log Mill from Carter Products (www.carterproducts.com). It's a combination log clamp and sliding sled that fits on your band saw. The idea is, you find a log branch, anywhere from four to maybe 10- or 12-inches in diameter, and you cut it to a length of 21 inches. You can't go much longer than 21-inches because that's the maximum distance between the two clamps on the jig. The clamps mount to the side of a blue steel fence that screws to the top of the sliding sled. The blue fence can be moved in and out, relative to the band saw blade, so you can accommodate logs of different diameters. Two plastic clamps are used to secure the position of the blue fence on the sliding sled. The sled itself comes with a 3/4-inch steel bar that fits into the machined slot on your band saw.

#### **Mounting the Log**

After you cut the log to length, you mount it between the two clamps that screw into the blue fence. The trailing clamp has a lead-screw on it, maybe four-inches in length. So you tighten the handle on the lead-screw until there is significant pressure pressing against the two ends of the log. That's usually enough to hold the log and prevent it from turning as you slide the sled through the band saw blade.

The manufacturer has also designed the jig with a series of vertical slots about 1/4-inch wide and maybe 3-1/2-inches tall. You could buy a pair of 3-inch long lag bolts and screw them through a vertical slot into each end of the log, to clamp it against the face of the jig and prevent it from rolling

during the cut. The downside: you might lose an inch from each end of the log due to the screw holes.



#### **User Experience**

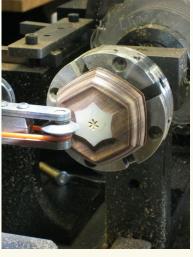
I love it. It works as advertised. I've taken a piece of white oak, about 9-inches in diameter. I sliced about an inch, maybe 1-1/2-inches, off the first side. Then I rotated the log 90-degrees, so the cut surface was placed flat on the jig, and made a second cut. Now I've got two adjacent surfaces that are dead flat. You could rotate the blank two more times to make two more cuts to yield a rectangular or square cant. But I like to take the blank over to the table saw, with the thin-kerf blade raised to its maximum height. I like the table saw because it's faster than the band saw. I can rip the third side parallel to the face of the blank rubbing against the rip fence. Then I can turn the blank 90-degrees and rip the fourth side. From that one piece of white oak, I was able to get four turning squares, 21inches long and about 2.5 inches square.

Whatever your technique, you can cut 2-inch to 3-inch turning squares that are 21-inches long. From there, you can make tool handles, stool legs, turned boxes—just about anything you can imagine. Of course, you may want to dip the ends in hot paraffin wax and dry the blanks for a year or two. Or, you could rough-turn your items and then let them dry. Your choice. In the end, you have a miniature band saw mill that rescues firewood from incineration, while providing you with free turning stock. Did I mention sawing hardwood for drawer fronts?

#### Where to Buy

Carter Products sells the AccuRite Log Mill at a list price of \$139.95, but they usually knock off \$10.00 if you buy at the Woodworking Show. You can also buy it on amazon.com or at Woodcraft or Rockler. You don't need it, but...





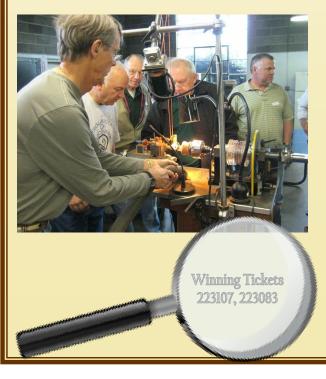




Pictures from
the May
Ornamental
Turning
symposium
coordinated by
CWT's
Education
Committee









# AAW "Photo's of the Week" in May

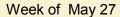


Week of May 6 Tops for kids in Kenya



Week of May 20

Week of May 13



Chicago Woodturners Board of Directors and Committee Chairs 2013							
President,	Scott Barrett	847-562-9121	dr@bdental.net	46 Bridlewood Lane	Northbrook, IL 60062		
Vice President,	Don McCloskey	847-420-6978	mccloskey@ameritech.net	2028 Gilboa Ave.	Zion, IL 60099		
Secretary	Clint Stevens	773-852-5023	clint.stevens@comcast.net	1635 S. Chesterfield	Arlington Hghts, Il 60005		
Treasurer	Rosemary Pagura	(847) 524-0231	fpagura.sr@att.net	944 Wisconsin Lane	Elk Grove , Il 60007		
Past President	Phil Brooks	847-400-4539	philbrooks32@gmail.com	1052 Cheswick Dr	Gurnee, IL 60031		
Newsletter Editor	Al Miotke	847-297-4877	alan.miotke@chamberlain.com	920 Sumac Lane	Mt. Prospect, IL 60056		
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Librarian	Robert Schultz	815-245-7495	grislakers@att.net	2819 South River road	McHenry,IL 60051		
WebMaster	Mark Dreyer	630-406-9360	mg_dreyer@yahoo.com	1070 Sonoma Lane	Aurora, IL 60502		
Raffle	Chuck Svazas	708-482-3866	csvazas@sbcglobal.net	707 Bransdale Rd	LaGrange Park, IL 60526		
Tools & Equipment	Don McCloskey	847-420-6978	mccloskey@ameritech.net	2028 Gilboa Ave.	Zion, IL 60099		
Set-up / Clean-up	Duane Painter	224-643-7696	duane.painter@comcast.net	25680 Lehmann blvd	Lake Villa, IL 60046		
Audio & Video	Ian Kuhn	312-213-3772	ian@dmbroad.org	1510 Dale Dr.	Elgin, IL 60120		
Educational Committee	Darrell Radar	815-648-2197	drader@clear.net	10703 Allendale Rd.,	Woodstock, IL 60098		
Demonstrations	Rich Nye	630-406-1855	nyewoodturning@earthlink.net	40W257 Seavey Road	Batavia, IL 60510		

#### A Day at the Milwaukee Woodworking Show

**Chuck Svazas** 

Back in February Bob Barbieri, Roger Basrak, Don McCloskey and I went North of the border for three days at the Milwaukee Woodworking show. Craft Supplies sets up a booth every year with three lathes and all the tools, sandpaper, finish as well as the wood blanks and pen kits to allow people the opportunity to turn a pen. The four of us spent three days teaching people of all ages, nationalities and genders to turn a pen of there very own. While the experience might be great for the participants who get a free pen out of the deal I believe that we get a lot out of it as well. The opportunity to make new friends and introduce people to the wonderful world of wood turning. While Milwaukee is a long way from our club, you just never know where a new member might come from. I would say that this is an event that any club member should get involved with. There are many other events in the area that any of us can volunteer for. Don't miss out! take advantage of these opportunities as they come. You just never know where you might meet a new friend.







My Lucky Day Al Miotke

I happened to be one of the last people to leave the May meeting when I saw Scott Barrett with the Easywood Chuck still under his arm. I asked why he was still carrying those heavy boxes around when I learned that nobody at the meeting took his offer to try this newly released product. Scott asked me if I was interested in using it for the month, I couldn't refuse. I'm always interested in trying out something new or unique. This chuck from Easywood definitely peaked my interest and I wasn't disappointed. This chuck appears to be very well made. It has a few patented features that make it easy and convenient to use compared to other chucks on the market. First is the zoom ring. A unique feature that allows you to open or close the jaws of the chuck quickly without a chuck key. The key is only used for final tightening. Second is the easy on/off jaws. These spring loaded jaws can be removed and replaced with a new set in a matter of seconds but are locked firmly in place. This eliminates one of my main frustrations with scroll chucks— the time spent removing 8 screws to change jaws. If you are in the market for a new chuck, this product with worth looking at.



**May Meeting** 

#### Member's Gallery



Bob Barbieri—Yew



Dan Bunce—Mahogony



Bill Brown—Olive



Don Steklac—Pecan



Ken Staggs—Coolibah



Bob Barbieri



Binh Pho-Jimmy Clewes Collaboration



Bob Barbieri—Maple



Dan Gascoigne—cherry



Francisco Bauer—Ash



Tom Boerjan –Walnut, yelloweart, Purpleheart



Tom Eovaldi



Dan Bunce -Koa



Tom Eovaldi—Locust



Tom Waicekauskas—Bubinga



Marty Knapp—Cherry



Francisco Bauer—Maple



Marty Knapp—Birch



Mark Johansen—Maple



Dave Nybert—Cherry, Walnut, Hickory



Tom Boerjan—Walnut, Yellowheart, Purpleheart



Dawn Herndon-Charles



Phil Brooks—Cedar



Bill Brown—Maple



Dan Gascoigne—Walnut



Rich Nye—Mesquite



Francisco Bauer—Maple



Rich Nye—Mopant





Larry Fabian—Pecan

Marty Knapp—Walnut



Mark Johansen—Maple



Mark Johansen—Oak

#### 2013 Demonstrations and Hands-On Classes

Demonstrator	Demo (CLA)	One-Day Class (NORMAC)	Two-Day class ( NORMAC)
Michael Hosaluk	Saturday, April 13	Sunday, April 14	Mon-Tue, April 15-16
Alan Lacer	Saturday, June 1	Sunday, June 2	Mon-Tue, June 3-4
Hans Wiesflog	Saturday , July 6	Sunday, 7	Mon-Tue, July 8-9
Bonnie Klein	Saturday, November 9	Sunday, Nov 10	Mon-Tue, Nov 11-12

One or two more demos and classes may be added in 2013.

#### **Contact Rich Nye or Rosemary Pagura for details**

Richard Nye, Demonstrations Chairman 40W257 Seavey Road, Batavia, IL 60510 630-865-7938

nyewoodturning@earthlink.net

Rosemary Pagura, Treasurer 944 Wisconsin Lane, Elk Grove Village, IL 60007 630-816-1019

rosepagu@gmail.com

#### Sign-up and tuition payment can be made at any CWT Meeting prior to the event.

Checks for classes may also be mailed to Rosemary Pagura once you have confirmed your slot in the class with her.

Prepaid demo admission fees and class tuition are not refundable, but may be transferred to another turner. Demonstration admission is \$30 at the door, but a 50% discount (\$15) is available to all CWT members signing up and paying their admission fees at any CWT meeting prior to the demo. Join CWT for \$25 per year and take advantage of the discount.

Tuition for Michael Hosaluk is \$120 for the one-day class and \$240 for the two-day class. Tuition for all other classes will be \$125 for one-day and \$250 for two-day. Tuition must be paid in advance to register for a class and guarantees the student's reservation.

> All demonstrations will be held at Christian Liberty Academy (CLA) 502 W. Euclid, Arlington Heights, IL 60005. 9:00 am to 5:00 pm.

All classes will be held at **NORMAC Manufacturing** 2570 Kaneville Court, Geneva, IL 60134. 9:00 am to 5:00 pm.

#### For Sale, Trade, or Wanted

Contact the Editor to post your items

Oneway 1224 wood lathe (built by a small family-run company in Canada using American steel). Approximately 7 years old, with less than 60 hours of use. I've enjoyed using this lathe for small gift items and have always been impressed with how smooth and quiet it is.

Unfortunately, I need to sell it due to health reasons. Asking price is \$1,850.00. Please feel free to contact me (608-836-5511) or by email at colour@mailbag.com with questions or for further information.

- Richard Bentley

My lathe is a vintage babbet bearing headstock with 18 inch swing. The bed is

14.5 feet long, but could be cut down to any length. I have a 6 foot tool rest, a 30 inch, and a 12 inch. There is a nice heavy faceplate and two custom made steady rests. The motor is 3/4 horse with a 3 step pulley. The headstock also has a 3 step pulley. There are 3 banjos. The bearings are in good shape with shims still in place. I am asking \$1600 or BO.



Bob Neal 309-678-1277

#### **Events**

AAW 2013 National symposium June 28-30, Tampa Fl http://www.woodturner.org/sym/sym2013/index.htm

Ohio Valley Woodturners Guild Turning 2013 October 11-13, http://www.ovwg.org/2013-symposium-2/2013-symposium

Items of interest to woodturners for sale,
wanted, trade or free are welcome.
Non-commercial ads only, please.
Events of interest to woodturners are also welcome
To place an ad, contact Al Miotke at 847-297-4877
or email at alan.miotke@chamberlain.com



Monthly Meetings are held on the 2nd Tuesday of each month at:

Christian Liberty
Academy
502 W Euclid Ave
Arlington Heights,
IL
7:00-10:00 PM

Please join us All are welcome.

#### Visit our website

chicagowoodturners.com

Membership in the Chicago Woodturners is available to anyone wishing to increase their turning skills through education, discussion and critique. Annual dues are \$25.00 for a single membership and \$35.00 for a family. Visit our website for an application or contact:

Julie Basrak Membership Chairman

The Chicago Woodturners is a chapter of the American Association of Woodturners (AAW). Visit their website for more information.

www.woodturner.org