Great Falls Woodturners Newsletter

www.gfturners.org

Volume 8, Number 6 March 2017

YWCA Empty Bowl Program

Please Note: Thanks to a heads up from Bob Sobolik, the 2017 Empty Bowls Program will be held in September. A firm date has not been established. Will publish the date as soon as we hear about it.

In the past our club has been extremely generous in supporting the Annual YWCA Empty Bowl Program. We have donated over 30 bowls in each of the last three years.

I am hoping that we can maintain that level of generosity so I ask that you please give some thought to turning a bowl or more for this worthy cause. I will have a firm date in the near future as to when they would like them delived.

Club Demonstrations

Sam Sampedro – Feb 18th

Tool Sharpening

Sam began the demo by sharing his observances over the last several years on the method others sharpen their tools.

During the last four symposiums, Jimmy Clewes, Mike Mahoney, Rudy Lopez, and Trent Bosch, have all followed the basics of sharpening, but they had their own twist on doing it. Each one just either 'free handed' the sharpening or had their own creations of gadgets to use during sharpening. The result was the same as when you or I sharpen our tools.

Sam attended the Stuart Batty Symposium in Billings. Stuart indicated that he sharpens all of his cutting gouges with a 40 degree bevel. This allows him to have one angle to train his

posture and allows him to not have to adjust with each tool. Sam, however, had been sharpening tools at 35, 40, and 45 degrees. At that moment he decided to change his approach and now all tools are sharpened at 45 degrees except for the bowl gouge that he uses for bottom cutting which is 60 degrees.

He discussed using the Norton stone wheels and the newer CBN wheels on slow or variable speed grinders. The CBN wheels are designed to sharpen only High Speed Steel (HSS) instruments. If non-HSS materials are used they clog the material and render the CBN wheel ineffective.

He sharpens his cutting gouges on the CBN wheel since it creates a sharper edge and uses the stone wheel (80 grit) for scraping gouges since they provide a more pronounced burr on the tools.

Sam demonstrated sharpening a brand new spindle gouge thanks to **Darrell Young** for providing it. Using the stone wheel he removed material more quickly to create the Irish Ground. When the gouge was shaped, he then switch to the CBN wheel to create a sharper edge.

Sam demonstrated sharpening gouges like the scrapers, parting tools, dovetail tool, etc. by coloring the edge to be sharpened, adjusting the table rest of the grinder to the appropriate angle and testing the angle by hand turning the wheel and ensuring the entire edge is meeting the stone.

He addressed sharpening the Easy Wood Tools carbide cutter. Sam uses a diamond card to sharpen all of the cutters which extends the life of the cutter.

In addition, he showed how he sharpens his Forstner bits with a diamond card file. He has been able to rejuvenate his old set of Forstner bits and gets nice curling shavings rather than saw dust.

At the end of the demo he offered to have anyone come to his shop to sharpen their tools for training or he would go to their shop. That offer still stands.

Sam Sampedro – Mar 7th Turning a Tool Handle

Sam was requested to conduct a demo on turning a Tool Handle rather than have the group use the meeting date as a workshop.

Using a chuck with extended jaws, he mounted a tool handle blank loosely in the chuck. He then put a Jacobs Chuck with a 29/64 brad point bit in the tailstock. Using the brad point bit, he centered the blank and then tightened the chuck which gave him a pretty true turning of the blank.

He then drilled a hole in the end three inches deep. At each inch of drilling he back out the bit to clear the flute of shavings.

Once the hole was drilled, Sam removed material from the Walnut Handle blank with his Bedan tool which was much quicker than just using the Spindle Roughing Gouge. When the bulk of material was removed, he then switched to the spindle roughing gouge to smooth out the blank.

He then marked the length of the copper ferrule on the blank and removed material almost to the size, 7/8 inch, of the ferrule. Once he was close to 7/8ths he slowly removed material until the ferrule would be snug. Using the Quill on the tailstock, he then forced the ferrule on the blank. He had left about 1/16 inch (two frog hairs) more than the ferrule length so the ferrule dis not going on that last 1/16 inch. **Randy Setzer** suggested using a second ferrule to finish the job and it did. At that point he removed the excess 1/16 inch of material.

The next step was to shape the handle and sand it. After that step he used his pointed gouge and made three grooves at the top and bottom of the handle. Then he used his home made wire burners to enhance the grooves.

The next step was putting on a coat of sanding sealer and let it dry. At that point he parted off the handle and finished the end bead and applied sanding sealer.

The only step left was to sand the sanding sealer with a fine sand paper and apply a finish of choice.

Special Thanks

A special thanks to **Chuck Kuether** and **Paul Snyder** for their modification of the club's work table to accommodate the mini-lathes to a comfortable and usable height.

A special thanks to **Darrell Young** for bringing in the new unsharpened spindle gouges to be used during the sharpening demo.

A special thanks to **Paul Snyder** for making the safety brackets for the club's mini lathes.

A Very Special Thank You

To **Susan, Chris, and Sons** of **The Good Wood Guys** for their generous donation of the tool handle blanks to our club again. Please support them and the business for your wood needs.

Take 'n Turn

Take and Turn returns in April

Tips

Info Tip – Sam Sampedro

AAW Gallery Photos

Click on the below URL which will take you to the AAW Gallery where you can see some incredible creations in woodturning.

http://www.aawforum.org/community/index.php?media/&page=5

Shop Tip – Paul Snyder

Curing that CBN or Stone Grinder Wobble

As you know— A method of correcting the wobble when mounting a new CBN or stone grinding wheel to a grinder is to obtain a "Spherical Washer Set" from Wood Turners Wonders web site.

These are machined washer sets. They consist of three pieces; a machined flat washer and a concave shaped washer that nests with a convex shaped one. The flat goes on the inside against the spindle face, the spherical washers go on the outside. When the nut is tightened the washers shift the wheel to match the flat washer and run as true as the spindle is.

The washer set is $5.95 a set - plus shipping. . I suggest getting 2 sets because if the other wheel has any unbalance in it you will wind up sending for a second set anyway.

Shop Tip – Sam Sampedro

Purchasing an Indexing System for Your Lathe

In reading an older Woodturning Design Magazine I came across an article on Indexing Systems for our lathes. If you are considering adding an indexer to your lathe check out this site.

http://alisam.com/index.html

Tips From The Past

Shop Tip – Paul Snyder

Check out the below site for an enlightening view of **the Living Rainbow: Rainbow Eucalyptus**

Click here: Living Rainbow: Rainbow Eucalyptus, Most Beautiful Tree Bark on Earth [36 PICS]

Shop Tip – Sam Sampedro

This information on the **Online Video Library - Product Demo's, Woodturning Tips & Projects, and DVD Previews, Craft Supplies USA** UPDATE: This may have been published before, but there have been quite a few new additions for your info.

http://www.woodturnerscatalog.com/Videos#ui-accordion-mainCont-header-4<http://www.woodturnerscatalog.com/Videos#ui-accordion-mainCont-header-4>

Club's Appreciation

Editor's Comment: My thanks to the following individuals who helped with the content of this newsletter:

Paul Snyder

Club Officers

President: Sam Sampedro
761-4145

Vice President: Roger Wayman
460-0507

Treasurer: Chuck Kuether
727-2442

Secretary: Dirk Johnson
899-0726

Directors:

Tom Krajacich
727-3464

Wayne Petrini
868-8420

Paul Snyder
750-1999

Meeting Location:

Great Falls Fire Training Station
1900 9th Ave South
Great Falls, MT 59405

Meeting Day

First Tuesday of the Month and
Third Saturday of the Month
(Unless otherwise noted in
The club schedule)

Meeting Time

Tuesdays: 6:30 PM
Saturdays: 12:30 PM

Instant Gallery

Photos

(Great Photos by Paul Snyder and Sam Sampedro)

Dirk Johnson

Dirk Johnson

Gary Campbell

Dirk Johnson

Gary Campbell

Greg Yeager

Dirk Johnson

Dirk Johnson

Roger Wayman

Dirk Johnson

Greg Yeager

Gary Campbell

Jerry Hall

Jerry Hall

Randy Setzer

Paul Carlson

Ben & Terry Hill

Chris Johnson

Jerry Hall

Dirk Johnson

Roger Wayman

Chris Johnson

Paul Snyder

Roger Wayman

Paul Snyder

Scott Johnson

Ben & Terry Hill

Ben & Terry Hill

Ben & Terry Hill

Ben & Terry Hill

Ben & Terry Hill

Greg Yeager

Jay Eklund

Jay Eklund

Jay Eklund

Paul Snyder

Paul Snyder

Tom Krajacich

Dirk Johnson

Ben & Terry Hill

Roger Wayman

Ben & Terry Hill

Items for Sale

Two tools for sale:

Dust Collector is a 2hp grizzly which is probably 20 years old, still works very well. I'm asking $175.00 for it. If the buyer wants I will throw in a new remote for $50.00.

Wood lathe is less than 2 years old. It is a Delta 1hp mini with an extension. I am asking $625.

Ed Austin 452-1135

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Great Falls Woodturners
Meetings/Demonstations Schedule

March 18th	**Tool Making Workshop – Make a Round Cutter EWT Type Tool**
April 4th	**Meeting and Demo – The Team of Chuck Kuether and David Stratton**
April 15th	**Demo – Chris Johnson**
May 2nd	**Meeting and Demo – Jay Eklund**
May 20th	**Demo – Greg Yeager – Will demo cutting 16 point Morning Star**
June 6th	**Meeting and Demo – Harry Boughton followed by Sam Sampedro**
June 17th	**Demo – Ed Austin**
July 2017	**There will not be any meetings in July – Enjoy the Summer!**
August 1st	**Meeting/Club Elections and Demo**
August 19th	**Demo**

Please Note: Tuesday Meetings start at 6:30 PM, Saturday Meetings start at 12:30 PM

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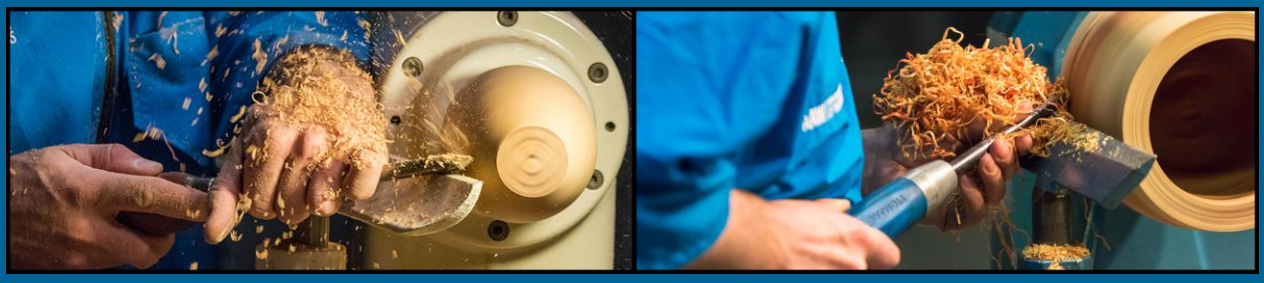
Director's Meeting Schedule

March 15th	**6:30 PM**	**Sam's House**
April 19th	**6:30 PM**	**Sam's House**
May 17th	**6:30 PM**	**Sam's House**
June 21st	**6:30 PM**	**Sam's House**
July 19th	**6:30 PM**	**Sam's House**

AAW Info



GUEST HOME

SIGN UP

NEW TO TURNING?

GUEST PUBLICATIONS

GUEST SERVICES

GUEST FEEDBACK

Want to build your woodturning skills?

The American Association of Woodturners (AAW) strives to deliver the publications and services that our members need to grow, connect, explore, and thrive in the areas of woodturning that are important to them. With 15,000+ members and 350+ chapters internationally, AAW's many resources, including our award-winning *American Woodturner* journal, help our members to learn, create, and connect.

By signing up for a complimentary Guest membership, you can have limited access to a sampling of AAW resources for a full **60 days.** You'll be able to explore what the AAW has to offer, kick our tires, and hopefully decide to become a full-fledged, paid AAW member to benefit from everything the AAW has to offer.

Click here to view/download a list of publications and services available to paid AAW members.

50% Dues Incentive Program for New AAW Members

We have set up a special signup portal on the AAW website for this offer. Chapter members must use this exclusive signup portal in order to receive the 50% discount. If they sign up on the normal AAW membership page, the 50% discount will not be applied. The sign up process requires chapter members to identify their local chapter(s) affiliation. AAW will cross-reference their application with their chapter designation.

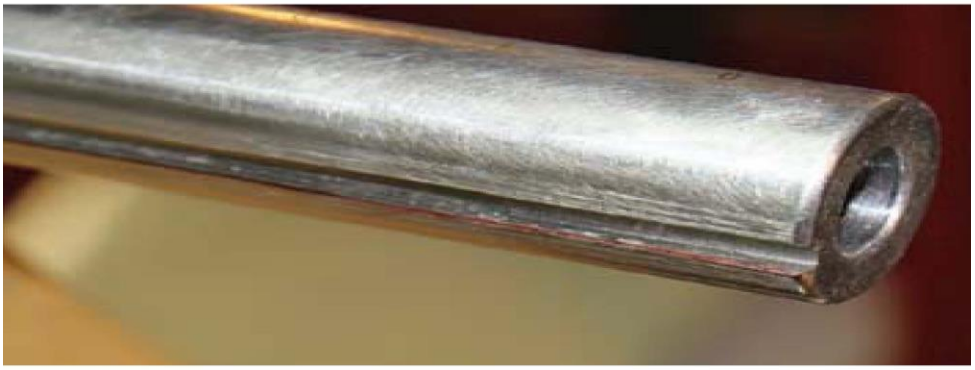
New AAW members that have not been a previous member of AAW must sign up using the portal at the following link to receive the 50% dues incentive:

http://tiny.cc/AAWNewGen

Tight Quill Solution

Forstner bits are useful to quickly remove excess wood when starting a turning; however, they create significant torque compared to a live center. As the quill is retracted and the drill bit drawn out of the wood under pressure, the threads on the stop screw act as a rake and drag metal toward the outer edge of the quill notch. The resulting burr drags on the inside wall of the quill housing, causing tight movement of the quill.

If the quill on your tailstock is hard to extend, and cleaning and oiling it did not solve the problem, try this quick fix. Extend the quill and check the quill notch for a burr along the lower edge (red line in photo). Take a diamond card file and lightly file the edge of the notch to remove the burr. Wipe the surface clean and re-oil the quill. If you do a lot of work with Forstner bits, file a little more aggressively to put a slight bevel on the lower edge. This will make it harder for a future burr to form. John Franklin, New York



Woodturning Safety

Safe, effective use of a wood lathe requires study and knowledge of procedures for using this tool. Read, thoroughly understand, and follow the label warnings on the lathe and in the owner/operator's manual. Safety guidelines from an experienced instructor, video, or book are a good source of important safety procedures. Please work safely.

Safety is YOUR responsibility.

1. Always wear safety goggles or safety glasses that include side protectors. Use a full faceshield for bowl, vessel, or any turning involving chucks and faceplates.
2. Fine particles from a grinder and wood dust are harmful to your respiratory system. Use a dust mask, air filtration helmet, proper ventilation, dust collection system, or a combination of these to deal with this serious issue. Be especially mindful of dust from many exotic woods, spalted woods, or any wood from which you notice a skin or respiratory reaction.
3. Wear hearing protection during extended periods of turning.
4. Turn the lathe off before adjusting the tool rest or tool rest base, i.e., banjo.
5. Remove chuck keys, adjusting wrenches, and knockout bars. Form a habit of checking for these before turning on the lathe.
6. Tie back long hair; do not wear gloves; and avoid loose clothing, jewelry, or any dangling objects that may catch on rotating parts or accessories.
7. When using a faceplate, be certain the workpiece is solidly mounted with stout screws (#10 or #12 sheet metal screws as a minimum). Do not use dry wall or deck screws. When turning between centers, be certain the workpiece is firmly mounted between the headstock driving center and tailstock center.
8. Ensure the belt guard or cover is in place.
9. Check that all locking devices on the tailstock and tool rest assembly (rest and base) are tight before operating the lathe.
10. Ensure the blank is securely fastened.
11. Rotate your workpiece by hand to make sure it clears the toolrest and bed before turning the lathe on. Be certain that the workpiece turns freely and is firmly mounted. A handwheel on the headstock simplifies this process of spinning the lathe by hand before turning on the switch.
12. Be aware of what turners call the "red zone" or "firing zone." This is the area directly behind and in front of the workpiece, the areas most likely for a piece to travel as it comes off the lathe. A good safety habit is to step out of this zone when turning on the lathe, keeping your hand on the switch in case you need to turn the machine off. When observing someone else turn, stay out of this zone.
13. Always **check the speed** of the lathe before turning it on. Use slower speeds for larger diameters or rough pieces and higher speeds for smaller diameters and pieces that are balanced. Always start a piece

at a slower speed until the workpiece is balanced. If the lathe is shaking or vibrating, lower the speed. If the workpiece vibrates, always stop the machine to verify why. As a starting point, consult your operator's manual for recommended speeds for a particular lathe. Ensure the lathe speed is compatible with the size of the blank.

14. Exercise extra caution when using stock with cracks, splits, checks, bark pockets, knots, irregular shapes, or protuberances. Beginners should avoid these types of stock until they have greater knowledge of working such wood.
15. Hold turning tools securely on the toolrest, holding the tool in a controlled but comfortable manner. Always contact the tool rest with the tool before contacting the wood.
16. Note that, when running a lathe in reverse, it is possible for a chuck or faceplate to unscrew unless it is securely tightened or locked on the lathe spindle.
17. Know your capabilities and limitations. An experienced woodturner is capable of lathe speeds, techniques, and procedures not recommended for beginning turners.
18. Always remove the tool rest before sanding, finishing, or polishing operations.
19. Don't overreach, keep proper footing, and keep your balance at all times.
20. Keep lathe in good repair. Check for damaged parts, alignment, binding of moving parts, and other conditions that may affect its operation.
21. Keep tools sharp and clean for better and safer performance. Don't force a dull tool. Don't use a tool for a purpose that it was not designed for or intended for.
22. Consider your work environment. Don't use a lathe in damp or wet locations. Do not use in presence of inflammable liquids or gases, and always keep a fully-charged fire extinguisher close at hand. Keep your work area well lit.
23. Stay alert. Watch what you are doing. Pay close attention to unusual sounds or vibrations. Stop the lathe to investigate the cause. Don't operate machines when you are tired or under the influence of drugs or alcohol.
24. Guard against electric shock. Inspect electric cords for damage. Avoid the use of extension cords.
25. Never leave the lathe running unattended. Turn power off. Don't leave lathe until it comes to a complete stop.
26. Many accidents to woodturners occur while using saws, especially band and chain saws. Learn and follow the safety guidelines for this equipment.