



# Great Falls Woodturners Newsletter

[www.gfturners.org](http://www.gfturners.org)

Volume 8, Number 7

April 2017



---

## YWCA Empty Bowl Program

We received an official notification that the Empty Bowl Program has been rescheduled to September. A firm date in September has not been established.

Please keep that thought in mind as you turn between now and September so we can really wow them at the YWCA. Thanks!

Sam

---

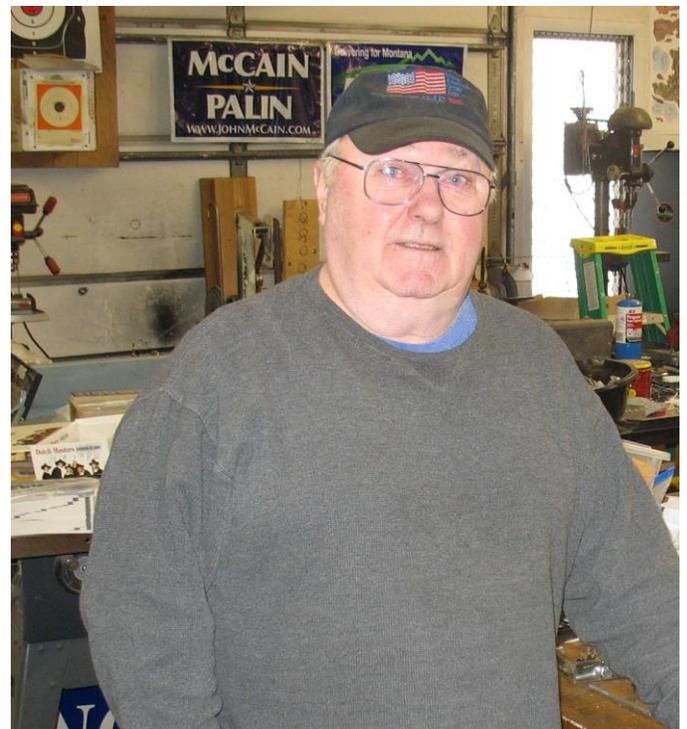
I read this somewhere: Use sandpaper like someone else is paying for it. Using old sandpaper gets you nowhere fast.

---

## 2017 Club Tool Workshop

It was apparent that the recent tool workshop was a success when 22 club members left with a tool.

Most of the members that participated in this year's tool workshop turned their handles at home and then came to the March 18<sup>th</sup> workshop to shape and fit the tools to their handles. Many took home the completed tool, but a few had a little more work to complete the tool.



Here is the gentleman that machined the steel for our tool project: Mr. Tom Martin.

# Club Demonstrations

Chuck Kuether – April 4<sup>th</sup>

## Turning a Tooth Pick Holder



And Mrs. June Martin who was the recipient of the Stacked Bowl Set created by **Terry Hill** and **Ben Hill**.

The wood for the nested set provided by **Darrell Young**.

Thanks to everyone who participated in the workshop. It was a lot of fun and hopefully we can do it again next year.



Chuck started the demo by discussing the size of the turning blank to use for the project. He then mounted the blank between centers on the lathe using a Steb drive center and a live center. Using a spindle roughing gouge, he made the blank round and put a tendon on each end.

---

Thank You Thank You Thank You  
Thank You Thank You Thank You  
Thank You Thank You Thank You

---



The blank was marked with the appropriate dimensions and parted off the end that was to become the lid to the holder.



The lid was remounted and used to make a jam chuck for the base that fits snugly. He shaped the base and sanded it to the final grit.



At this point he drilled a hold in the base to accommodate the toothpick cup that raises the toothpicks when the lid is raised. He also sanded the inside of the drilled hole.



He then made a concaved cut for the toothpick lifter and drilled a hole for the dowel that will attach the lifter and the lid. The dowel is 1/4" (which as you know, dowels are not the size advertised) so Chuck used a .242 bit

which did fit a little loose, but with the glue was an acceptable fit. He measured the dowel length to make sure the cup and dowel fit inside the base so it was shy of the bottom of the base. He was careful with the glue to not get it on the other pieces of the project.



With the project sanded and ready for finish, he used sanding sealer to finish the outside of the holder. However, he recommended using a wax on the inside of the holder to eliminate the possibility of a vapor odor associated with wood finishes which can be absorbed by the toothpicks.

Thanks **Chuck** for an excellent demo!



## Special Thanks

A very special thanks to **Tom Krajacich** for bringing in his sanders and drill press for the Tool Workshop. BUT that's not all, Tom is always willing to step up and help the club in any and all ways that he can and we want him to know how much we appreciate all he does for our club.

---

A special thanks to **Dirk Johnson** for his Meeting Minutes and the format that makes it easy to read. Also to **TIMEX** for the timekeeping.

---

Thanks to **Paul Snyder** for the great pictures of the demo and instant gallery.

---

**THANK YOU**

---

## Take 'n Turn

It was decided at the April 4<sup>th</sup> meeting by the members in attendance that the Take n Turn feature should be ended.

---

# TIPS

## Info Tip – David Stratton

### Making and Using a Disc Sander

Don't know if you maybe already get e-mails from a turner name David Reed Smith or not but I think the one I got today was worth sharing.

<http://davidreedsmith.com/Articles/DiscSander/DiscSander.html>

---

## Shop Tip – Chuck Kuether

### Unstuck From Super Glue

Accidentally glue your fingers together with super glue? Here's what to do. This also works for oil, cooking or otherwise.

<http://www.finewoodworking.com/how-to/video/unstuck-from-superglue.aspx>

---

## Shop Tip – Paul Snyder

### Sharpen a Bandsaw Blade

If your smaller bandsaw blades, with more teeth than the 3 or 4 /inch of the larger blades, seem to not cut as well you might try this.: **Unplug the saw**, open the top guide wheel access, raise

the blade guard up enough to allow a credit card size diamond card or the edge of a grinding wheel, if you have a spare one, to press against the blade.

Start with the sides of the blade first. With the card or stone against the blade turn the guide wheel **BACKWARDS** so you are drawing the blade against the stone. Do that to each side then directly against the face of the teeth. It doesn't take much but does improve the sharpness.

---

## Shop Tip – Paul Snyder

### Removing a Metal Mark on Wood

If you have a metal mark on a piece of wood, especially light colored wood, apply lemon juice to the spot let it sit a minute and wipe off the metal mark.

---

## *Tips From The Past*

### Shop Tip – Tom Krajacich

### Carving/Piercing Vice:

When doing relief carving or carving in the round you oftentimes have to hold the wood carving somehow. Similarly, when carving on a bowl or piercing a bowl you have to have some way to hold the bowl securely. I ran across an article on the Internet about making a cheap, but effective vice for such purposes. The blog of Jerry Hartzell had

"Jerry's wood carving vice," which he said was inspired by an article in Wood Carving Illustrated Issue #5, titled "Build the 1797 carvers vice." It is called the 1797 carvers vice because it costs about \$17.97 to build. Here are some pictures of the vice I made, but I adapted it by adding a secured bolt so that I could affix my lathe chuck to it. Pretty slick and easy to make. He recommended 1" pipe flange, but I had some 3/4" black pipe flange so I adapted the parts list to 3/4". Parts list from the article: 1" black iron tee; 1" x6" black iron nipple; 1' black iron or galvanized pipe flange(x2); 5/16" eye bolt; 6"x3/8" black iron nipple(swing arm); 3/8" hex cap; 1"x3/8" black iron bushing; a galvanized bushing that reduces to 1/4"; a couple of washers; a 5/16" threaded coupler; a piece of 2"x6" redwood mounting board(it's what I had laying around the shop); 4 screws to attach it to the board. I did adapt the plan by getting a bolt(1"x8tpi) and nut that would match my lathe spindle, and therefore, my lathe chuck so that I would be able to hold the chuck. I drilled and tapped the top of the bolt and added a machine set screw inside of the hex cap to secure it. I also did spot weld the outside of the hex cap and bolt joint. I also welded the eye bolt so that it would not open up. I did not use the spring handle that he talked about. Instead I used the threaded coupler and a box end wrench that I had in the shop. I had some leftover green spray paint from years ago so it did get a coat of paint. Notice the positioning notches that were cut into the pivot side of the TEE thus insuring that your project won't move. Dremel tool with a rotary grinding stone cut the notches easily. Total cost for me

was right at \$20. Seems like a good investment, and a quick and simple project. Tom Krajacich





## 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 9<sup>th</sup> 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

---

# Club's Appreciation

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

David Stratton  
Chuck Kuether  
Tom Krajacich  
Paul Snyder



# THE GOOD WOOD GUYS

The Good Wood Guys  
816 20<sup>th</sup> Street North  
Great Falls, MT 59401  
406-231-WOOD (9663)

Please support The Good Wood Guys. They have been very generous and provide great support to our club!

# **WOODTURNING DEMONSTRATION AND WORKSHOP**

**The Chinook Woodturning Guild, Lethbridge,  
Alberta**

<http://www.chinookwoodturning.org/>

is pleased to host

**MICHAEL HOSALUK**

Artist / Maker / Educator

Saturday and Sunday, May 13-14, 2017

CASA Building, 230 8th St. South, Lethbridge, Alberta

Self-taught artist and woodturner Michael Hosaluk, a founding member of the American Association of Woodturners, has taught artistic woodworking across the world and his works can be found in Buckingham Palace, Los Angeles County Museum of Art, Detroit Institute of Arts, Yale University Art Gallery and the Royal Ontario Museum. Check out his website:

<http://www.michaelhosaluk.com/>

## **All-day demonstration**

**Saturday 13 May, 2017, 9am – 4pm**

**Registration: \$60 (Students \$30) includes lunch**

**(Non-members \$70)**

## **Full day hands-on workshop**

**Sunday, 14 May, 2017**

**Registration is open to all skill levels**

**CDN\$200 (\$210 for non-members)**

**The workshop is limited**

**Register for the Sunday workshop before 15 March, 2017**

For information and registration contact:

Dan Michener, [michenerdan@gmail.com](mailto:michenerdan@gmail.com) or 403-331-9177

Vern Miller, [verntheturner@gmail.com](mailto:verntheturner@gmail.com) or 403-892-6729

# Instant Gallery

## Photos

(Great Photos by Paul Snyder and Sam Sampedro)



Darrell Young



Sam Sampedro



Kelly Treat



Chuck Kuether

# Items for Sale

## Dust collector hose, clamps, fittings, blast gate Delta woodworking 4"

4" dust collector hose (not sure of total length as it is stretchable flex hose) , clamps (20), T, Y, blast gates, etc. (everything in the photo is what you get). If you have a standard dust collector this will allow you to hook up multiple machines. Cost new, over \$200

Vortex separator from Rockler, brand new

I live in Seeley but get to Great Falls fairly regularly. Randy Gazda

(Note: Randy Gazda was a great member of our club for several years until he had to move to Seeley Lake for a job assignment.)



Email Randy Gazda at:  
[rgazda@hotmail.com](mailto:rgazda@hotmail.com) or  
call: 406-677-3782

---

# Great Falls Woodturners Meetings/Demonstrations Schedule

- April 15<sup>th</sup> Demo – Chris Johnson
- May 2<sup>nd</sup> Meeting and Demo – Jay Eklund
- May 20<sup>th</sup> Demo – Greg Yeager – Will demo cutting 16 point Morning Star
- June 6<sup>th</sup> Meeting and Demo – Harry Boughton followed by Sam Sampedro
- June 17<sup>th</sup> Demo – Ed Austin
- July 2017 There will not be any meetings in July –  
Enjoy the Summer!**
- August 1<sup>st</sup> **Meeting/Club Elections and Demo**
- August 19<sup>th</sup> Demo

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

\*\*\*\*\*

## Director's Meeting Schedule

- April 19<sup>th</sup> 6:30 PM Sam's House
- May 17<sup>th</sup> 6:30 PM Sam's House
- June 21<sup>st</sup> 6:30 PM Sam's House
- July 19<sup>th</sup> 6:30 PM Sam's House

# AAW Info

## AAW will launch exciting new incentives on April 1.

### 1) AAW 50% dues incentive for chapter members who are new AAW members:

- Local chapter members who have never been AAW members will have the exclusive opportunity to become AAW members for one year for just \$30, a 50% reduction on the \$60 rate. Only AAW chapter members who have never been AAW members are eligible, and the special rate is available only during the exclusive sign up period from April 1 through June 30, 2017.

### 2) New AAW learning tools to be introduced April 1:

- **Woodturning FUNdamentals Online**, an easy-to-use integrated online learning experience designed for new turners and those who would like to build woodturning skills. The site complements the digital Woodturning FUNdamentals publication.
- **Discover Woodturning Online**, a new web-based resource loaded with introductory and descriptive information about the art and craft of woodturning, designed to educate the general public. This is your tool, for your chapter's new turners. Contact the AAW office to find out the options for your chapter! Call 877-595-9094 (toll free) or 651-484-9094 (M-F 8:30am to 4:30pm).

# Chuck Kuether April 4<sup>th</sup> Demo Notes

## Toothpick Holder

### Supplies

Wood: 1 ½" x 1 ½" x 6" blank, ¼" x 3 ¼" dowel for cup hanger  
7/8" Forstner bit, ¼" drill bit

Method to the madness?

1. Mount wood blank between spur drive and live center, turn the blank round then make a tendon on *each* end.
2. Mount the piece in a Chuck. Make a mark 3 ½" in from the headstock. This will be the base. Part off the right end of the blank as it will become the lid. Now drill a 7/8" hole in the base 3" deep. Sand with a sanding stick, if necessary. Remove the base.
3. Mount the lid. Turn a 1" tendon and work toward a tight jam-fit in the base.
4. Slip the base over the tendon; bring up the tailstock for support. To get a golden ratio proportion make a mark ¾" from the joint down the base, this will be the waist. Make another mark ½" toward the headstock, this will be the top of the lid.
5. Make a reference cut to 1 1/8" diameter at the waist. Using a parting tool and a caliper turn the waist to the correct diameter. Now, turn an asymmetrical cove from each end toward the waist. When satisfied with the shape sand to you final grit.
6. Now, tape the top and base together and part off the base tendon. Then, sand the bottom of the base and embellish if you wish. Remove the tape and pull the base off the jam Chuck.
7. Make a cup (concave) shape on the end of the lid.
8. Drill a ¼" hole in the top about 0.4" deep. I use a .242 bit.
9. Now part off a cup about 0.2" thick to use for the hanging cup of the toothpick holder.
10. Trim the internal tendon on the lid so that it fits smoothly into the base. Also, trim the length of the internal tendon to length of 0.1" more or less, to your taste. Sand to final grits.
11. Insert and glue ¼" dowel into hole in lid. Reverse lid in Chuck so that the top may be finally shaped, sanded and finished. **DO NOT FINISH THE INSIDE OF THE HOLDER.** Use wax on the interior to avoid petroleum odor remaining in the interior.
12. Check the lid in the base to determine that the dowel is NOT too long. Trim to length if necessary. Once the length has been properly established the base cup can be glued on the ¼" dowel.

## IF YOU PLAN TO MAKE MORE THAN ONE OR TWO ....

### Supplies

Wood: 1 ½" x 1 ½" x 5.25" blank, ¼" x 3 ¼" dowel for cup hanger  
5 ½" hardwood dowel ¾" or larger in diameter  
7/8" Forstner bit, ¼" drill bit

1. Mount wood blank between spur drive and live center, turn the blank round then make a tendon on *each* end.
2. Mount the piece in a Chuck. Make a mark 3 ½" in from the headstock. This will be the base. Part off the right end of the blank as it will become the lid. Now drill a 7/8" hole in the base 3" deep. Sand with a sanding stick, if necessary. Remove the base.
3. Mount the lid in the Chuck. Turn a ¾" tendon and work toward a tight jam-fit in the base.
4. Slip the base over the tendon; bring up the tailstock for support. To get a golden ratio proportion make a mark ¾" from the joint down the base, this will be the waist. Make another mark ½" toward the headstock, this will be the top of the lid.
5. Make a reference cut to 1 1/8" diameter at the waist. Using a parting tool and a caliper turn the waist to the correct diameter. Now, turn an asymmetrical cove from each end toward the waist. When satisfied with the shape sand & embellish if you wish.
6. Now, tape the top and base together and part off the base tendon. Then, sand the bottom of the base and embellish if you wish. Remove the tape and pull the base off the jam Chuck.
7. Make a cup (concave) shape on the end of the lid.
8. Drill a ¼" hole in the top about 0.4" deep. I use a 0.242" bit.
9. Now part off a cup about 0.2" thick to use for the hanging cup of the toothpick holder.
10. Trim the internal tendon on the lid so that it fits smoothly into the base. Also, trim the length of the internal tendon to length of 0.1" more or less, to your taste. Sand to final grits.
11. Insert and glue ¼" dowel into hole in lid. Reverse lid in Chuck so that the top may be finally shaped, sanded and finished. **DO NOT FINISH THE INSIDE OF THE HOLDER.** Use wax on the interior to avoid petroleum odor remaining in the interior.
12. Check the lid in the base to determine that the dowel is NOT too long. Trim to length if necessary. Once the length has been properly established the base cup can be glued on the ¼" dowel.

Toothpick Holder/Turning

Toothpick Holder/GFTurners

## Using Negative-Rake Scrapers

Being such a proponent of negative-rake scrapers, this is a question I am asked quite often. I started using negative-rake scrapers when I first began turning after meeting Stuart Batty and seeing the work he was doing on his wing bowls and deep vases. I do a lot of thin wing type pieces and platters and found they worked superbly and safely. I feel it is a very worthwhile change to make on a scraper, but first there are some things you should be aware of regarding negative-rake scrapers.

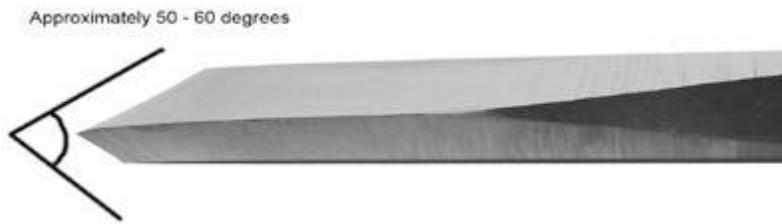
A negative-rake scraper is not meant to be a wood removal tool, but more of a finishing tool for smoothing out ridges or transition marks and small uneven areas left by a gouge or hollowing tool.

Negative-rake scrapers were designed primarily for and work best on hard, dense, dry woods. Some turners say that they do not work on softer woods or green wood. I personally have tried them on all types of woods and I have often been surprised how well they worked. Regarding green wood, negative-rake scrapers most often will “fuzz up” the surface, but if you do not get a smooth finish with your bowl gouge, I believe it is easier to sand out fuzz on an even surface than tool marks or ridges on an uneven surface.

Negative-rake scrapers cut with the burr, which is produced during the grinding process. Since the burr is produced on the opposite side from the one that is being ground, it is important to grind the bottom bevel last. The burr does not last very long, only about 30 – 60 seconds for M2 high speed steel and maybe 2-3 times longer with the harder “10V powdered metal” tools such as provided by Thompson Tools and others.

It is essential that a burr can be felt on the cutting edge for it to work. Once the burr is worn away, the scraper will not cut efficiently, which causes you to apply more pressure and this will begin tearing grain and causing thin walled pieces to flex. Neither is good.

Negative-rake scrapers should be used in a level, horizontal position on the centerline and not tilted downward in a trailing position or on edge at an angle in a shear scraping position. Used correctly, I find them to be virtually catch-free. So if you are currently using your scrapers to hollow end grain boxes and such, you should probably preserve those as they are and purchase others to be ground as negative-rake scrapers.



The recommended included angle (as measured across both bevels) is generally between  $45^\circ$  to  $75^\circ$ . A negative-rake scraper with a  $45^\circ$  angle will cut a bit quicker, but the burr will not last as long as one at  $60^\circ$ . I have always ground mine with equilateral angles on both sides and have settled on the included angle measuring about  $55^\circ$  (it's really not that critical). Some people refer to these angles as being  $30^\circ/30^\circ$ . That would be  $30^\circ$  down from both sides g

iving an included angle of  $60^\circ$ . By grinding the scraper in this manner it can be used in either a right hand or left hand position on different curves of a bowl or on either side of a wing or platter by simply flipping it over and regrinding the scraper to raise the burr on the top side.

There are many different methods of setting the platform angle to the grinding wheel. I am of the opinion of keeping it simple. Having said that, rather than try to explain how to set the angles, I have come up with a jig that makes it quick, simple and easily repeatable.

I have a handout on my website (<http://www.rudolphlopez.com/>) that has information on the negative-rake scraper and includes a full-sized template for making a small jig to set the angle of the grinder platform. This will get you very close to  $50^\circ$  or  $60^\circ$ . You can then vary the angle if you wish.

Just remember when re-sharpening the scraper, if you have changed the platform angle for sharpening something else, it is of utmost importance that you re-set the platform precisely back to the correct angle to ensure that you are grinding the entire bevel to produce a burr on the scraper edge. You must be able to feel a rough burr on the top of the scraper edge. Without a burr, the negative-rake scraper will not function properly.

~Rudolph Lopez

1" Round nose



1" Straight



3/4" Diagonal

