



Great Falls Woodturners Newsletter

www.gfturners.org

Volume 9, Number 9

April 2018

Club Demonstrations

Dirk Johnson – Hat Demo March 24th

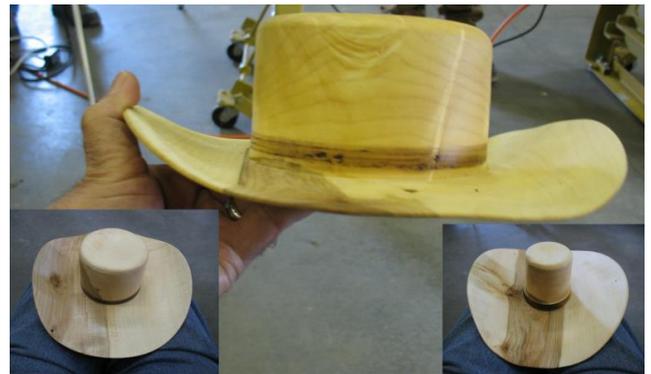
For those of you that could not attend Dirk's Demo on turning a hat: You missed one of the best demonstrations that we have had. It was totally **OUTSTANDING!**

This article is long, but in order to do justice to the demo, I had to include a lot of photos:



Dirk began his Outstanding Demo by sharing some of his previous creations that had problems and were unusable. He wanted us to know that when getting info turning hats, we need to be

prepared for failure and not to get disappointed. There definitely a learning curve and it takes perseverance. Oh yeah, it also takes sharp tools, patience and some American ingenuity on making the required devices to accomplished this task.



These are a few of the hats that did not pass his high quality standards.



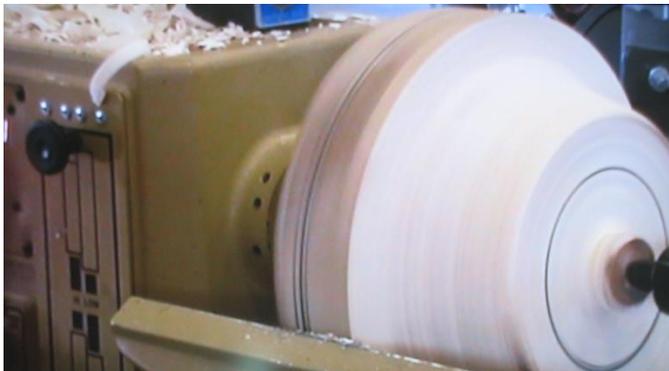
Getting ready to turn a new hat for us, he mounted a wet (recently harvested

piece of maple) blank on the wood worm screw. He placed heavy emphasis on the fact that you should use only very wet wood. In the following pictures you will note that there are water marks on the safety shield from this blank.



Then he started making the shavings fly. He gradually worked the shape by removing material in steps.

Once the blank was mounted and secured with the tail stock. He trued the blank. The shavings were really flying.



Once the crown was shaped, he then created a tenon for mounting in a chuck.

Dirk then marked guidelines on the side which gave him a guide on where and how thick the brim would be. Also, by the live center he measure and marked the size of the crown (top of the hat).



Now that the hat was mounted in the chuck, he went to work shaving the brim.



As he removed material and got a little thin, he had to position a light behind the brim to guide removal of material.



Note the light shining through the brim.



With the light to guide him, he continued to remove material stopping often to check when it got within 3/8 of an inch.



As you can see in this picture, the brim had been turned to about 1/8". He did a little shear scraping and sanding.

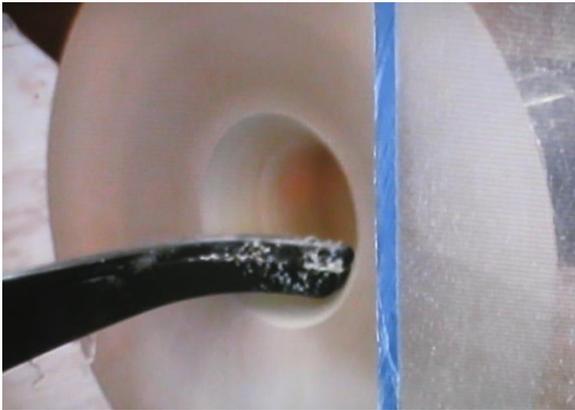
Note: We all have always gone back on a project for that 'one more cut' and then BOOM.....design change. Dirk kept going back for that one more cut, and we did not get a BOOM!



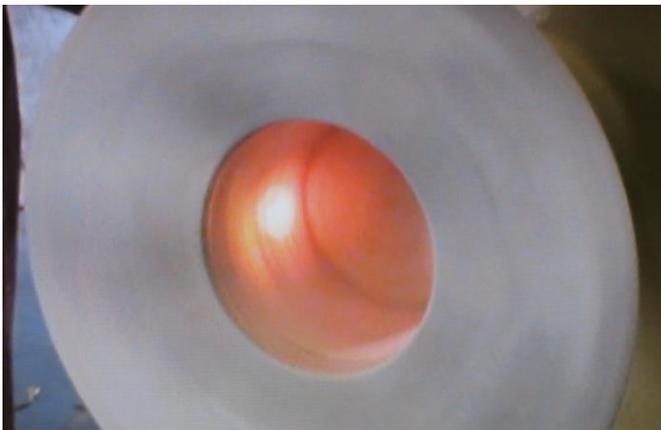
Now that the brim was complete, Dirk started hollowing out the crown.



Note that he did not use the swing away to move the tailstock, but left it in place and used it as a steadying device to help him make accurate cuts.



(Note: The blue line in the pictures is the edge of the safety shield.) He used his Robust J-Curved Tool Rest in removing material from the crown. Also, note the light shining from the outside of the hat to guide him on thickness of the walls.

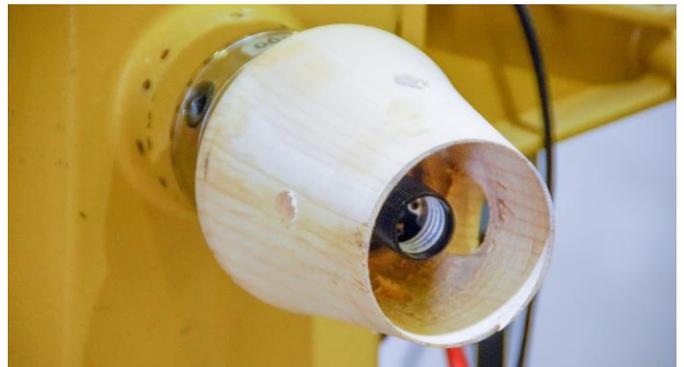


Note how the light gives guidance on thickness. However, it can be a little deceiving since it looked really thin, but when measured, it wasn't as thin as it appeared. That was true for all aspects of the turning. You have to use a thickness gauge throughout the turning.



Now the inside of the crown was hollowed to his satisfaction, he removed it from the chuck.

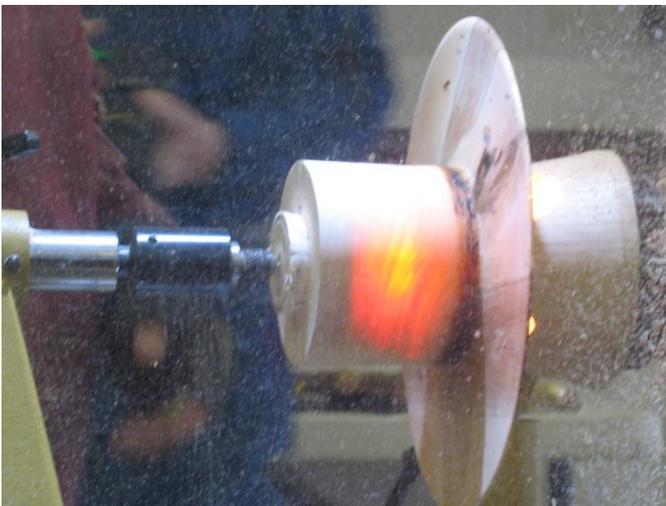
NOTE: From the time that the brim had been turned to the 1/8" thickness, Dirk had a spray bottle of water to periodically spritz the hat to keep it from drying. In the above picture, he gave it a good dousing to keep from drying and cracking.



Now comes the use of the chuck that he made for mounting the hat and completing the crown (removal of the tenon). He had two different sizes to accommodate the different sizes of the crown. Note that there are four holes drilled in the sides to allow light to pass through.



This is a collage picture of the Jam Chuck that Dirk used to finish the hat. There is a larger version of this at the end of the article with an explanation of the five different views.



He mounted the hat on the jam chuck and with the light shining brightly he started to remove the tenon and material from the top of the crown. Initially he could be aggressive and take larger cuts. But, as he got closer to the crown top he adjusted his cuts to be a little more careful.



Dirk was very gentle at this point in taking the material away a little at a time.



As he got closer to the top the audience seemed to sit a little closer to the edge of their chair.



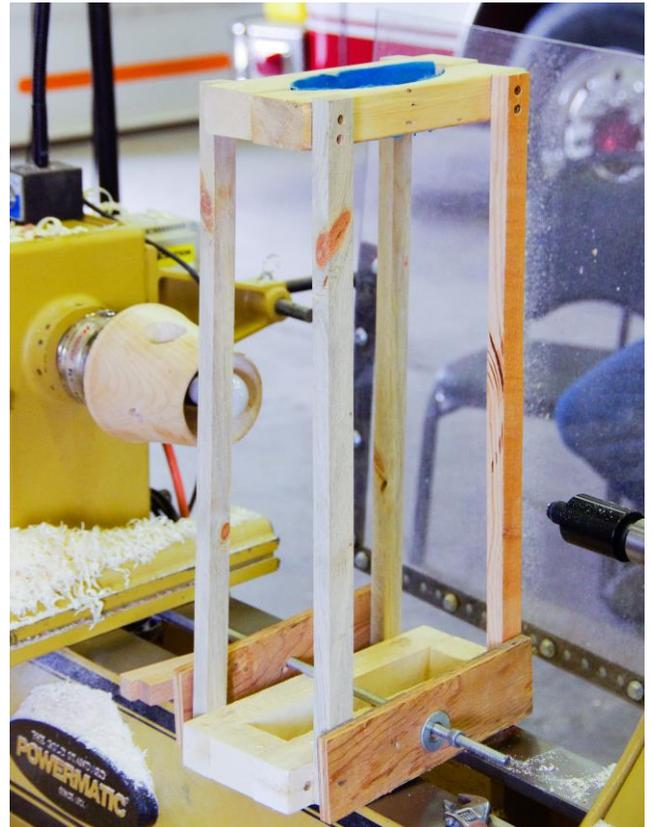
He kept going back for just that one more cut, but we did not get the BOOM. We got to see an almost finished product.



He gave the hat a really good shower before passing it around to the audience.



One step that I did not mention from an earlier sequence was when he had the brim and outside of the crown turned, he used wenge, paduk, and ebony where you see the brim on the crown. By spinning the lathe at a high speed and using the tool rest to steady the dark woods, he transferred the oils from the woods to the maple. This method is excellent for creating a textured band around the piece. It can be used on bowls, platters, etc. to give class to the project.



Using his created brace, he mounted the hat in order to put a curve in the brim.



Once he had it secured in the brace, he used heavy duty rubber bands to hold the brim in a curved configuration. He will leave it that way for about four days. When it's dry, he will coat it with Mahoney's Walnut Oil and then wax it.

This was without a doubt one of the best demonstrations our club has had. We thank Dirk for this outstanding demo.



In this picture there are actually 5 photos. The main center picture is the jam chuck with a tapered profile that will fit into smaller hats. Dirk has a larger one for larger hats.

In the upper left there is the jam chuck with a light bulb socket mounted on a 3/8ths lamp threaded pipe which goes through the head stock. The jam chuck is mounted in a chuck with a tenon.

The Lower left picture shows the socket mounted on the threaded pipe.

The lower center picture shows the pipe protruding through the back of the head stock. On the pipe is a bearing so the headstock can turn, but the pipe does not. Securing the pipe is a pair of vice grips that holds the pipe steady. Also, there is the wire coming through the pipe which the plug gets attached for plugging in the lamp.

The lower right picture shows Dirk attaching the plug wire with wire connectors. Originally the plug was attached to the wire, but has to be cut in order to get the socket/pipe/wire unit through the head stock then the wire is reattached.

Paul Carlson – Apr 3rd

Turning an Off Center Candle Holder

Article by Dirk Johnson

Paul's demo was an offset. He started with a 3"x6" choke cherry piece.



Once the tenon was done he offset the center by $\frac{1}{2}$ to $\frac{3}{4}$ of an inch from center.



Mark both sides equal. This is unlike a multi axis offset turning where you cross your centers, these centers are parallel axis (the same on both sides).



First he squared up the ends using a parting tool and then he turned a tenon on the LIVE side. He said if you turn the tenon on the tailstock it doesn't turn out right when you flip your piece.



Now he turned a smaller tenon on the larger tenon. This is where the offset happens. He then took the piece off the drive center and put the tenon in a small jaw chuck. Ensure that you have a large tenon and small tenon, if you don't have a large tenon now you won't be able to remake it once the small tenon is used.



Now turn away the “shadow” but leave enough base so you can part the piece off the tenon.

Shape the vase using spindle gouge or skew to desired shape and once the final shape is done use a $\frac{3}{4}$ bit to drill out the vase portion. Once the drilling is done put a relief hole in the bottom $\frac{1}{8}$ ” to $\frac{3}{16}$ ” bit. This allows for room for the plastic vase and glue. If you don’t put a relief hole in the bottom the plastic insert vase may worm itself out.



Put CA medium glue on insert and shove into the drilled hole, if the insert is too long, cut it off with a skew.



Last, cut the piece off the tenon using your parting tool

Thanks Paul for an Excellent Demo.



Club Bowl

We are currently selling raffle tickets for the Club Bowl. As a club member, you can purchase raffle tickets if you so desire. When you sell yourself or buy raffle tickets, be sure to write your name on the back of the ticket to be eligible for the PRIZE of being the person who sold the winning ticket. Winner will be picked at the Symposium on Apr 21st.

Club Newsletter

Have you given consideration to becoming the Editor of the Club’s Newsletter? We will need a new Editor for the newsletters after the June edition.

Club Officers

Have you given consideration to running for a Club Officer Position in August? There will be a new President for sure as of the end of this club fiscal year. And, if you desire to move the club forward, you should run for an elected position.



Shop Tip – Paul Snyder

Duplicate a woodturning project from a photograph

I have not been gifted with artistic genes. Consequently, I found that I can reproduce a project by use of a photo with pretty fair results.

The key is to have at least one set of known measurements. Often that can be a description given about the project. The height or width are a start. There might be an element such as a clock face that has a model number or a given diameter. Something in the photograph that is of a known size.

Save the photo or scan it into a computer. Print the photo to the full page size. If you can't get the object completely on one page, you can do it on two but there is a consideration if you do.

Take a caliper or ruler and measure the object known for size in the photo. Let's say it is known to be 2 inches. The measurement of the object in the printed photo is 2.5 inches. You divide 2 by 2.5 and it comes out .8". That is your multiplier. Measure all the components in your photo copy that you need to make. With each one multiply that number by the multiplier you came up with. In the example it was .8. If your photo has a measurement of a component of, let's say 3", multiplied by .8 it comes out 2.4". 2.4" converts to 2.13/32". It helps to have a calculator or a digital caliper to get that conversion.

That number is what you would use for your actual component to the project. Slight changes will not matter. In this case 12/32" is so close to 3/8" and that is a lot easier to read as a measurement, use it instead.

The caution if your photo is in two parts because of the printing size is that you need to determine a new multiplier for the second page. The printing sizes of the photo will not be the same for both pages.

Write on the printed photo the desired (converted) size of the object to be reproduced. Now you have a blueprint.

Another aspect of this is that you can change the size of the completed project if you want to make it larger or smaller than the one described in the original photo.

Club Officers

President: Sam Sampedro - 761-4145

Vice President: Roger Wayman - 460-0507

Treasurer: Chuck Kuether - 727-2442

Secretary: Dirk Johnson - 899-0728

Directors: Tom Krajacich - 727-3464

Wayne Petrini - 868-8420

Paul Snyder - 750-1999

Club Photographer: Paul Snyder

Club Site Manager: Jay Eklund

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

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

Meeting Times: Tuesdays: 6:30 PM
Saturdays: 12:30 PM



Thank you to our hosts, the ***Great Falls Fire Department*** for allowing our club to use their facilities.

THE GOOD WOOD GUYS

The Good Wood Guys
816 20th 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!



A very special THANKS to:

All of you that come in early to help set up for the meeting and those of you that stay after the meeting to clean up and secure the equipment. It is deeply appreciated.

Instant Gallery

Instant Gallery Photos

(Photos by Paul Snyder and Sam Sampedro)



Dirk Johnson (Example of what he was to turn)



Dirk Johnson (Example of what he was to turn)



Dirk Johnson (Example of what he was to turn)



Dirk Johnson (The Demo Hat)



Roger Wayman (Stave Ornament, note the home made ornament stand)



Terry Hill



Roger Wayman (Stave Ornament, note the home made ornament stand)



Roger Wayman (Stave Vase)



Roger Wayman (Stave Ornament, note the home made ornament stand)



Don Taylor



Paul Snyder



Paul Carlson (Examples of what Paul would demo)



Paul Carlson (Piece that was created during his demo)



Paul Snyder

Great Falls Woodturners Meetings/Demonstrations Schedule

- Apr 21** Demo – This is the Kai Muenzer Symposium that will run from 9:00 AM to 4:00 PM and will cover two different demonstrations
- May 1** Meeting and Demo – Wayne Petrini – This will be a special Demo
- May 19** Demo - Sam Sampedro
- Jun 5** Meeting and Demo – Jay Eklund
- Jun 16** Demo – Ken Quaschnik
- Aug 18** Club Picnic

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

Director's Meeting Schedule

- May 16th** 6:30 PM
- June 20th** 6:30 PM

Great Falls Woodturners Symposium

Featuring

Kai Muenzer



Kai will demonstrate the items pictured above:

A turned cabinet with a drawer that blends in as an integral part in terms of shape and texture.

A box with a steeply tilted lid. Inside and outside are turned on different axis

Note: These are the items that he is demonstrating at the 2018 AAW Symposium in Portland in June.

When: April 21st 2018, 9:00 AM to 4:00 PM

Where: Fire Training Station,
1900 9th Street South
Great Falls, MT 59405

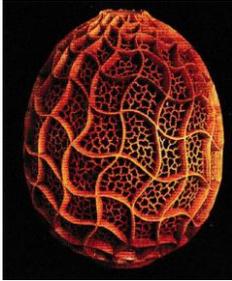
Cost of this event is: \$25 which includes lunch. Payment to be made at the door on the day of the event.

Please RSVP to: Sam Sampedro by March 24th via email or at one of the club meetings. Please RSVP only if you plan on being there and not if you will be in town. We'll need to know the number of attendees for planning purposes.

The Chinook Woodturning Guild of Lethbridge presents:

J. Paul Fennell

WOOD ARTIST



Saturday 19 May 2018

J. Paul Fennell hollows and carves wood to create forms inspired by nature

Demonstration

Saturday 19 May 2018 9 am – 4 pm

Registration: \$60 (Students \$40) includes lunch

**Location: Casa Building 230 8th St. South
Lethbridge, AB, T1J 5H2, Canada**

To pre-register contact:

Dan Michener 403-331-9177 (michenerdan@gmail.com)

André Laroche 403-393-5337 (gplaroche@telus.net)

(Registration will also be accepted at the door)

Workshop

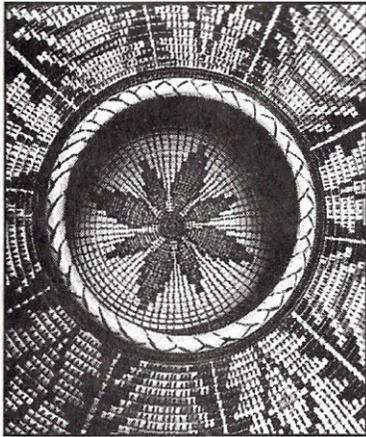
Sunday 20 May 9 am – 4 pm

Registration for Paul's full-day hands-on workshop is \$200.

Space is limited so please contact Dan Michener or André Laroche, as above,
if you would like to attend the workshop

**Do not miss this opportunity to learn from and be inspired by one
of the great artists of our time.**

Local artist included in Western Art Week events



INSIDE VIEW - Looking in from the top of the bowl, Charlson incorporates different colors of wood and designs in his artwork. He started turning wood in 1988 and is completely self-taught. Contributed photo

using a wood lathe which rotates the work piece while he uses tools to shape the wood.

Charlson is the fourth generation in his family to reside and farm in the Carter area, dating back over the last 100 years. He raises winter and spring wheat, barley, peas and chickpeas.

Charlson "accidentally" got into art while serving as the vice president for the Montana Quarter Horse Association in 1985. Stallion

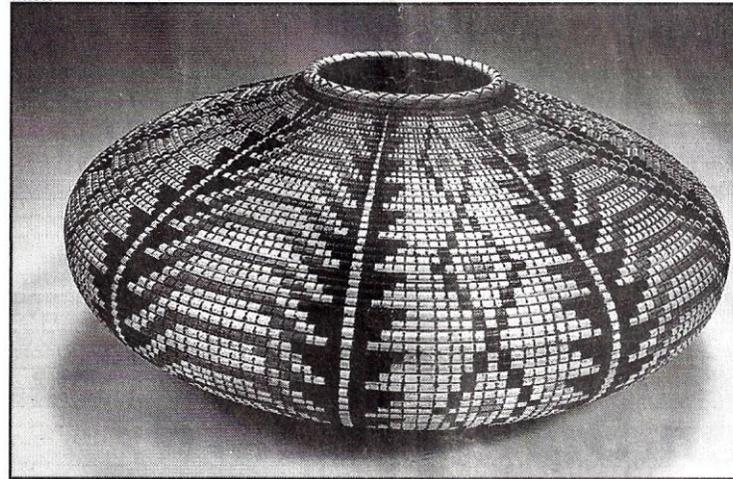
owners participating in a horse show futurity needed a sign that said "Stallion Alley," so Charlson made one.

"People saw the sign and wanted to order their own signs," Charlson said. "It almost turned into a business."

In 1988 he used up leftover materials and taught himself how

March 15-18, Charlson will have a booth set up at the Great Western Living and Design Show at the Pacific Steel and Recycling Four Seasons Arena and will have art for sale.

"Come by and visit with me at the show. It'll be fun," Charlson said.



LOCALLY MADE - Carter farmer and artist Rich Charlson's hand-turned wood bowl, "A Star is Born," was accepted into the First Strike Friday Night Auction on March 16 as part of Western Art Week in Great Falls. This will be his third year having his artwork featured in one of the C.M. Russell Museum auctions. Western Art week is March 14-19 and draws a wide variety of artists. Contributed photo

By Connlee Gray than 16 shows and over 750 artists.

Artist Rich Charlson of Carter From oil paintings, bronzes and will have his hand-turned bowl, photography to jewelry, furniture "A Star is Born," in the First and pastels, the annual Great Falls Strike Friday Night Auction at event showcases a wide range of the Mansfield Convention Center styles and mediums, all celebrating in Great Falls on Friday, March 16 western culture, landscapes and at 6 p.m. wildlife.

Western Art Week is March 14-19 and auctions and events will artists' work will be auctioned off take place throughout the week in the First Strike Friday Night at locations throughout Great Auction and the Russell Auction. Falls. More information about Last year, Charlson entered two these events and schedules for wood pieces which were both each day can be found on the CM. selected to be auctioned off in Russell Museum website and at the Russell Auction alongside art westernartweek.com. pieces that went for as much as \$1

This is Charlson's third year million, Charlson said. The auction having an art piece included in is a fundraiser for the CM. Russell, the auction and he is the first wood so artists share a percentage of the turner to ever have a piece featured proceeds with the museum. there. Charlson turns wood by Thursday through Sunday,