

CENTER SAVING or CORING

Norm Olsen called the meeting to order at 7:00 PM.

We had one guest – Keith. Welcome

It was announced that the Calgary Drop In Center Workshop would be closing at the end of June. Other than this announcement we do not know any further details. We will inquire and inform the membership at future meetings. The next Sawdust session will be held on March 16, 2019.

Terry Golbeck announced that he is looking for instructors for wood turning seminars. If you know of anyone please let Terry know.

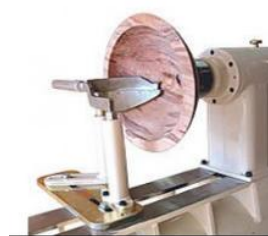
CENTER SAVING or CORING by Jim Osenton and Greg Dahl

Jim Osenton was up first demonstrating the One Way and the McNaughton center saving systems and talked about the differences between each.

The reason you would want to center save or core a blank is to save the center portion of a large piece of wood. This saved center can then be turned into another bowl instead of becoming waste. Several bowls can therefore be cut from an individual piece of wood. This is of great benefit when working with rare and expensive wood and burls.

One of the largest challenges in center saving is the large overhang from the tool support to the cutting tip. The One Way and the McNaughton system have different solutions in overcoming this obstacle.

One Way Coring System



The One Way system consists of two posts that attach to the bedway of the lathe. Into one post is mounted a cutter, and into the other a cutter support. The cutter and cutter support are curved and come as a pair with the same diameter. There are four different diameter cutters available, 9", 11 ½", 13 ½" and 16 ¼".



The cutters are basically a carbide negative rake scraper on a curved arm.

Jim mounted a piece of green ash (still green, not completely dried) on the lathe. This "blank" had the outside of a bowl roughed out, but nothing hollowed in the bowl yet. After lining up the edge of the cutter on the end of the blank about 1½" inches from the edge (cutter at the center of the blank), he advanced the cutter into the piece by swiveling the cutter on the post.

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Jim stopped often to clear the chips and shavings. For this initial cut the support was just under the cutter as it entered the blank. After the cutter had cut into the blank about a ¼ of the length of the cutter, Jim changed the support so it was in the kerf in the blank supporting the cutter. Through repeatedly cutting, clearing chips, and advancing the support into the blank, Jim was able to cut out the inside or core of the blank. This core can be remounted on the lathe, and if large enough another core can be cut from it, or it can be hollowed using normal bowl turning processes.

As the wood being cored is usually green and needs to be dried, after the core is cut out Jim takes a bowl gouge and cuts the inside of the bowl so the wall thickness is the same (top, sides and bottom) so the piece will dry evenly and lessen the chance of cracking.

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McNaughton Coring System

After the break Jim demonstrated the McNaughton system.



The McNaughton system consists of different diameter cutting bars that attach into a handle. A special tool rest is used which consists of three posts and a hold down on the end of the post that goes into the banjo. The new tool gates consist of 5 posts. The gate is used to trap the cutter between the posts so it cannot twist, while the gate or hold down stabilizes the cutter vertically.



Jim put a second blank into the lathe. This blank had been turned round, but was still flat on both sides. Jim had attached glue blocks to both faces. This time Jim showed a technique where a bowl could be made 1 ½ times the depth of the thickness of the wood, or you could make a vessel much larger than the original wood thickness. This is done by coring out the bottom of the bowl, and the piece that is cut off is attached to the bowl to gain additional height. If this is done repeatedly with the cores, a much deeper piece can be created from a single piece of wood (similar to the bowl from a board technique used in segmented wood turning).

Jim started by cutting with the McNaughton system, and started the cut on the side of the blank, 1" down from the face. Once again he had to back out of the piece repeatedly to clear the kerf of chips and shavings. Once the bottom of the blank was cut off, Jim then cored the remainder of the blank with a second coring cut. He then took both pieces off the lathe, and stacking the first cut on top of the second, showed how the bowl could be much thicker than the original blank.



Woodcut Coring System

Greg Dahl then demonstrated the Woodcut Coring system.

The Woodcut consists of a thick disk or plate on top of a post. The plate has a cutter attached to a swiveling center, and a stabilizing arm on the back of the plate is fit into the tailstock for added support. The Woodcut consists of two curved cutting blades, an 8" and a 12" diameter. One cutter is used at a time, the second is stored on the top of the disc.



Greg set up the Woodcut system, mounted a cherry bowl that had been roughed out, and proceeded to cut. The tool was cutting well, but Greg did not clear the chips out of the kerf quick enough and the tool jammed in the kerf and the tenon on the bowl blank was ripped out.

Greg said he finds the Woodcut works very well with green wood, and we could see how this tool could quickly core a blank.

All three systems have their plusses and minuses.

The McNaughton system can be purchased at Lee Valley Tools. Prices start at \$320 for the mini, and \$380 for the standard and large. A wide variety of cutters are available.

The One Way system can be purchased from Black Forest Wood Company. Prices start at around \$265 for a mini 12" easy-core (suitable for a 12" swing lather), or around \$200 for the base set and \$150 to \$190 for a set of cutters.

The Woodcut system is manufactured in New Zealand. A quick search on the internet did not show any Canadian distributors (Greg purchased his years ago from KMS tools, but they do not seem to carry it any longer). Woodworkers Supply and Packard Woodworks in the US were the only North American suppliers I could find. Prices start around \$400 USD.

Graham Dolby brought to my attention that John Giem did a review of all three systems in the February 2013 issue of AAW-American Woodturner. Graham has a PDF of that issue (not reproduced here due to copyright). Please contact Graham directly if you do not have access to that issue and would like to see it. Thanks Graham!

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Raffle and Draw

Dave Beeman did the raffle draw with help and many pieces of wood found new homes. Mark Tremblay won \$61.00 in the 50/50 draw.

Upcoming Programs

Family Picnic September 7

The days are getting warmer - hopefully – so it's a good time to think about your summer activities. The Calgary Woodturners will have a summer picnic on Saturday, September 7th afternoon at the Central Plaza in the Watermark Community, just West of Tuscany. BBQ, seating, tables washrooms and a playground for kids are available. A few lathes are in the plans as well of course.



More details at our June and September meeting. This is just a heads up. Hope to see many of you. Kai

PS: We need another 110V mini lathe for the event. Please contact me.

Graham Dolby's Trip to Western Australia

I recently spent a couple of weeks in Western Australia, a return visit after having lived there in the early 70s. I contacted Woodturners Association of WA in Perth before my visit and also the member group in Busselton, near where I was to be based. Of course it was the height of summer vacation time when I arrived and there was nothing going on in Perth. However, I heard from the chair of the Busselton group, Barbara Jennings, and one of the members, Charles Broadbent, who warmly welcomed me to their workshop/clubroom, which is open every Tuesday, Wednesday, Thursday and Saturday. Charles is a friend of Calgarian Chuck Holder, a fellow wood collector and member of SAWS.

The shop was in what appeared to be an old garage at the end of the main street in Busselton, opposite the Art Gallery complex that is based in a heritage building. It is also opposite a very convenient café and a waitress was delivering coffees when I



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arrived!

There are three full-sized lathes, including a Vicmarc, and two small ones in addition to two bandsaws. There is also audio-visual equipment for training and demonstrations. Adequate parking in front of the shop attracts visitors, especially during the tourist season. They also open up when those monster cruise ships visit (mooring at the nearby 1.8km long pier) and set up a table displaying pieces for sale. They will be moving soon to a setting that is likely to attract even more visitors, especially from the cruise ships.

Their setting is ideal, especially in that climate! The temperature was in the high 20s during my two visits and 43C in the Swan Valley when I drove to some of the vineyards east of Perth. I had the chance to buy some reasonably priced Jarrah burls but they were very heavy. In addition, there might have been problems with US Customs as I travelled via LAX. They are lucky in having no shortage of hardwoods (that's my sister standing at the base of that Karri tree):

I didn't have time to visit woodturners in Sydney and Melbourne but their work was evident in any gift shop, mostly as bowls made from burls or perfume bottles buried in banksia pods.



Instant Gallery



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About the Guild:

www.calgarywoodturners.com

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GUILD PURPOSE: To promote the art and craft of Woodturning in a way that expands the knowledge, safe practice, and enjoyment of woodturning, thereby benefitting both members and also the community.

FOR THE MEMBERS:

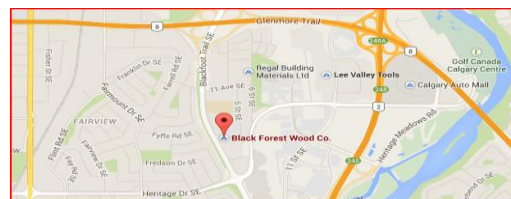
- To provide all members with a method of regularly exchanging ideas and experience in woodturning
- To promote safety in woodturning
- To benefit from group size in acquiring published resources and materials

FOR THE COMMUNITY:

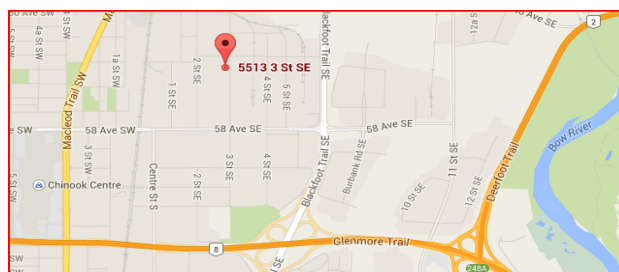
- To bring an awareness of woodturning to the general public
- To provide charitable benefits to the community

MEMBERSHIP DUES: \$30.00 per calendar year (includes newsletter delivered via email)

MEETING LOCATION, TIME, AND MAILING ADDRESS: The guild meets on the first Tuesday each month (except July and August) at 7:00 PM at Black Forest Wood Co. Bay 7, 603 – 77 Avenue SE, Calgary, AB, T2H 2B9. Visitors are always welcome.



SAWDUST SESSIONS: Sawdust sessions are held at the Calgary Drop-In Woodwork Shop (5513 3 Street SE). Come turn and talk wood with your fellow guild members, learn or try something new. There are always people available to answer questions and give help, and lathes to turn project on. Visitors are always welcome, and lunch is available for \$5.00 for those who work up an appetite and want to stay.



CLUB OFFICERS AND DIRECTORS:

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Vice President	Garry Goddard	Librarian	Carl Smith
Treasurer	Steve Olson	Membership Records	Carl Smith
Secretary	Doug Drury	Newsletter	Doug Drury
Director – Website Admin.	Sherry Willets	Photographer	Vacant
Director – Program Manager	Terry Golbeck	Public Displays	Graham Dolby
Director – Sawdust Sessions	Ken Kindjerski	Public Sales	Kai Muenzer
Director – Sawdust Sessions	Albert Daniels	Raffles	Dave Beeman
		School Liaison	Vacant
		Members at large	Jim Leslie