Official Journal of the Nova Woodturners' Guild

Volume 20,issue10
December, 2016

The Turning Point

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MEMBER SINCE 2012

The next meeting of the Nova Woodturners' Guild is at

Halifax Specialty Hardwoods
112 Bluewater Road, Bedford, N.S.
December 12, 2016. 6:30 p.m.

The next meeting will feature
Good Food, Ornament Exchange, Boomerang Box
Tool Exchange, Food, Playing Card Raffle,Show & Tell
Regular Raffle and Food.

Bring a chair!

The President's Workshop

David McLachlan

This is one of the big Guild social events for the year and is usually a lot of fun ...

First off I want to thank **Ted Monk** and **Dianne Looker** for their inspirational seminar on inlay techniques. Dianne has offered to have a demonstration at her workshop in the New Year of the techniques she discussed at meeting. We will discuss a date and time for this at the January meeting.

This month's meeting will be the Xmas social being held Dec 12, at 6:30 to 8:30 at **Halifax Specialty Hardwood**. This will be a potluck event so bring along a favorite dish or treat to share with the group. And don't forget this social is open to our significant others as well if they want to come along.

We will be doing a Christmas Ornament Exchange again this year so if you have some Xmas ornaments you would like to exchange with others bring them along. We will also have an extended Show and Tell, so if you have special items that maybe you made as Xmas gifts be sure to bring them along. This might also be a good time to have a tool exchange for any of you who have some tools you would like to put up for grabs.

There will also be a raffle so bring along some coin to join in the fun. And of course we will have a Boomerang Box draw and exchange.

This is one of the big Guild social events for the year and is usually a lot of fun and get together, so I hope to see a record attendance this year.

At the last meeting we tried out having a pre-meeting hands on demonstration geared to new turners… from the comments I received it seemed that the doughnut chuck demo was a big hit. I think it is useful to use this time slot to get useful information and techniques out to the membership, and I think we should continue with this in the coming months… In January **Gary Landry** has agreed to do another of these demonstrations, and his topic will be "Getting Started in Pen Turning". There has been some interest expressed to me that this would be a useful topic to cover and Gary has held a couple of seminars on this at **Lee Valley** so I am sure it will be of great interest to anyone

thinking about getting into pen turning or wanting to get other perspectives on pen turning.

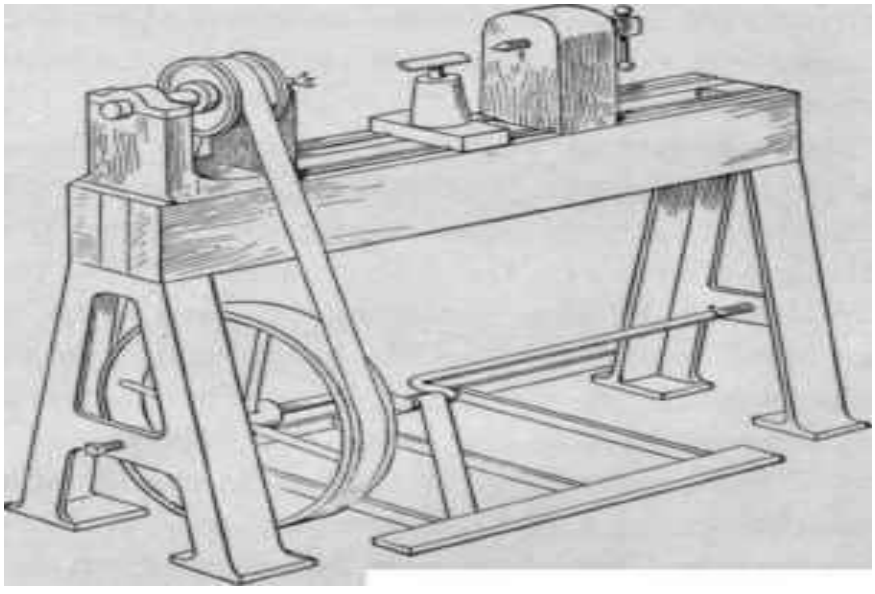
I am also looking for other topics that people would be interested in having during this pre-meeting time for future months, so if you have a topic you would like covered or would like to do a demonstration please let me know (mclachlandg@gmail.com) .

Finally I want to say that the **American Association of Woodturners** (AAW), is making some significant changes to their web pages and including a new “Explore” function which makes it easy to find past articles of interest to all turners and there is also a special search function geared to novice turners with articles specifically geared to helping them improve their turning. In addition AAW has been expanding their video library, which is available to members only, which are geared to introducing new topics to turners with clarity and safety in mind. At the moment AAW is offering a free 60-day complementary membership pass to allow potential new members an opportunity to see what the AAW has to offer, so here is a great opportunity to check out the AAW and their new features they are offering to members. If you haven’t checked out the AAW before, I urge you to have a look at what they have to offer.

I am also looking for other topics that people would be interested in having during this pre-meeting time

All the Best to Everyone During the Holiday Season.

Dave McLachlan



Meeting Notes Nov. 21, 2016



President **Dave McLaughlin** opened the meeting after doing his novice presentation. He promised to provide notes on his demonstration for the newsletter. [*Daves presentation notes are elsewhere in this issue. Editor*].

A reminder that the next meeting is to be held at **Halifax Specialty Hardwoods** at 6:30 pm. And will hold the usual distractions of 'that evening' discounts, games, ornament exchange and others. Great food and snacks will be present and it will be great because you are bringing it to the pot luck! Dont forget to bring chairs too.

Photos by Chris Palmer







Ted Monk started his presentation with a slide show of various works and examples of tonights subject - Inlays. An inlay can take many forms, from contrasting colored dust to pieces of material machined to fit a larger cavity.

Stone inlay was covered extensively including the Mohs hardness scale of minerals which gives an approximation of relative hardness. The types of stone were covered. Turquoise seems to be one of Teds favorite accenting stones. When presented with a potental inlay opportunity, first secure any unstable components. Either picking out any loose bark or bits, or use ca glue to anchor the unstable material. Fine stone dust is used to fill the bottom of the cavity and hit with ca glue. Larger particles of stone are placed next – more ca. The patch is finished off with fine dust to fill the small spaces between the larger pieces of turquoise and , you guessed it, ca glue. Allow sufficient time for the glue to cure. Some accelorator / glue formulations leave a white stain which may be undesirable. This is stone, after all and must be treated as such when further working is resumed. Carbide tools used in a scraping mode and silicone carbide sandpaper. Protect your lungs from stone dust with an air mask.

Stone inlay materials can be purchased on line from several sources. Turquoise beads can be purchased from some local shops and crush it yourself. Ted showed a simple crush mill he used. It consists of a steel plate (the anvil) and a solid steel cylinder (the hammer). The specimen is placed on the anvil and hit with the end of the hammer. As you can imagine, stone chips fly everywhere so Ted places a section of steel pipe, slightly larger than

Meeting Notes continued

the hammer, on the anvil and drops the stone in there for prossesing. He finds that the recovery of the finer pieces is easier from a flat surface than a pestle / morter cup.



Many other materials were discussed ranging from sawdust, baking soda (colored with alcohol based dye), coffee grounds (used and dried, If fresh coffee is used the oils interfere with the adhesives), powdered plastic (inlace), seashell, egg shell,powdered metal, metal shavings (key cuttings – use a magnet to remove steel bits), crushed / ground nut shells. It seems that this process is limited to your imagination





If sanding sealer is applied to the surrounding area, the wood is protected from the discoloration sometimes caused by the use of ca glue. The glue and sealer will simply be sanded away.

Some techniques, although not inlay, as such, provide an enhancement to turnings. With a series of holes drilled near the rim, rawhide, lacing and other cordage can be applied to the turning.

Other types of adhesives can be used to different effect. **Dianne Looker** has been exploring the use of colored epoxys for some time now. Inspired by the work of **Marilyn Campbell**, Dianne has been exploring the possibilities of colored epoxies. Rather than trying for an invisible glue line, she uses the epoxy to form a bold line and uses it a part of the overall design. Lately she has been persuing the concept of an epoxy 'cap'. The turned lid is covered with a layer of plastic film then epoxy is applied in one or more layers. When cured, the cap is turned and edge treatment applied. It makes for an interesting, thin accent. Dianne uses the west system of epoxies.

Disscusion then lead to the application of wire inlay. **Dave McLaughlin** covered some of the difficulties. Round wire has to fit in a groove that is exactly the width of the wire and be exactly one half the thickness of the wire. Any deeper and the wire is buried in epoxy. Any less and the wire could pop out. The solution it seems is to use square wire. This wire needds to be very carefully unrolled and straitened under tension.

Meeting Notes continued



The groove to recieve it should be slightly undersized so that the wire needs to be pressed in with some effort. Ca glue is applied and the wire is worked in about 2” at a time. Bead shops may carry it localy

It was noted that the new lead free solder is a close match to pewter in formulation.

Lively disscusion and questions filled the room throughout the presentions. An information filled evening that left us all with food for thought and slightly dazzled.

Richard Ford has these online tutorials to recommend

Stuart Batty - How Gouges Cut (1h 34m 09s)
https://www.youtube.com/watch?v=QMVGankeK0I
Demonstration given to the Rocky Mountain Woodturners by Stuart Batty on "How Gouges Cut". Describes how wood is cut by different gouges and techniques for sharpening them.

Mark Silay - Offset Turning (1h 37m 56s)
https://www.youtube.com/watch?v=a5fRDmGCQu4
Mark Silay demonstrates some methods of offset turning and discusses the various considerations for safety and good results. Turning items from dimensioned stock to finished product, Mark also demonstrates the application of a CA finish and details final sanding and buffing.

Show & Tell



Show and tell had a wide range of offerings this month. From lamp components to hand mirrors to sleeves for beer glasses

Show & Tell continued











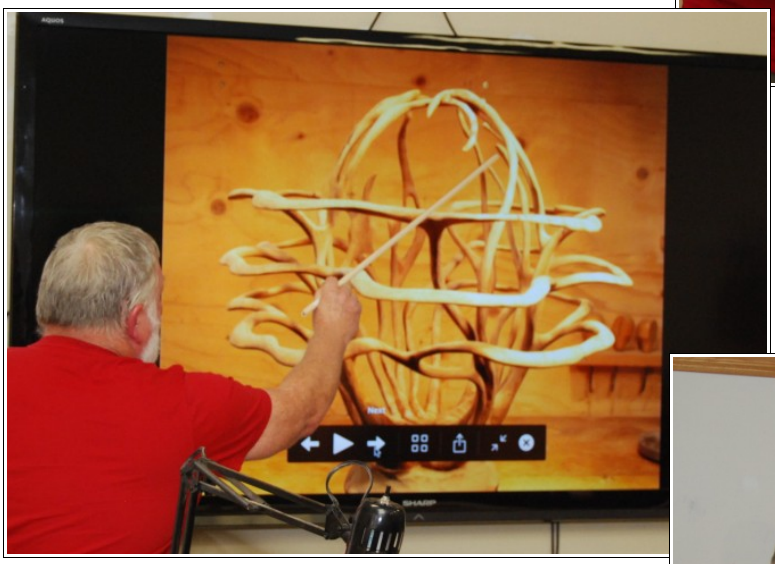
Show & Tell continued



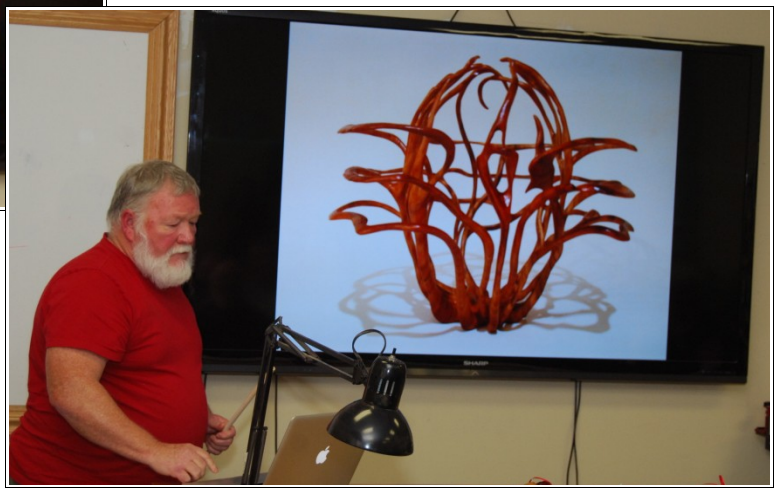
Don Moore gave us some insight into the preliminary turning and hollowing to compleate the final form.



Lathework establishes the basic shape and the bullwork of waste removal



The rest is envisioning the final structure while enhancing / avoiding the character of the material.



As Don says “From wood turner to professional sander”

Remarkable work.

THE NOVICE CORNER BUILDING AND USING A DOUGHNUT CHUCK

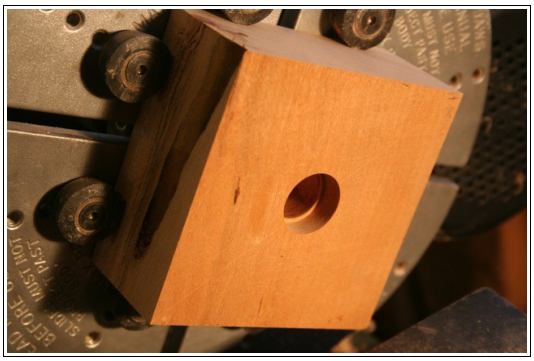
The basic materials needed to make a doughnut chuck are:

3/4” MDF - two square pieces a little larger than the size of the backing plate
(8.5” x 8.5” in this case)
4x4x2” block of hardwood (maple or cherry work well) for threaded hub
(make hub about 50% of the size of the backing plate for stability)
1/2” Baltic birch plywood same size as MDF
4 – 1/4”x20tpi T-nuts or Propell nuts
4 – 3” x 1/4” 20tpi machine bolts or knock down furniture bolts.
1” x 8tpi tap (or whatever your lathe spindle is) and various forstner bits

Start out gluing up the two square pieces of MDF to make a rigid backing plate for the chuck, leave overnight to ensure the glue reaches maximum strength before using.



While the glue is setting start making the threaded hub. Mount the hardwood block in a cole chuck or on a small faceplate and mount on the lathe. Set up the lathe with a 1” forstner bit in a tail stock mounted drill chuck. Drill a 1/2” deep hole in the center of he hub, switch up to 13/16” forstner bit and drill completely through the rest of the block.



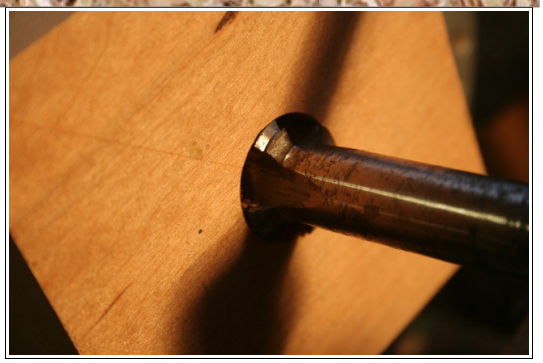
While the block is mounted in the cole chuck or faceplate, use a square nosed scraper to make sure the hub’s face, shown above, is dead flat. This will ensure the chuck hub runs true when snugged up against the headstock shoulder.



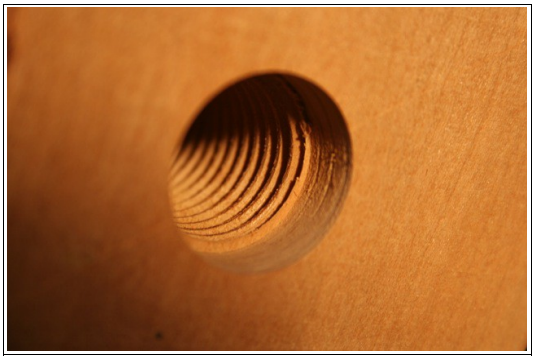
Set up the tap between the block and the tail stock and with the drive spindle locked, advance the tap into the block with a wrench keeping the tail stock support on the back of the tap.

THE NOVICE CORNER

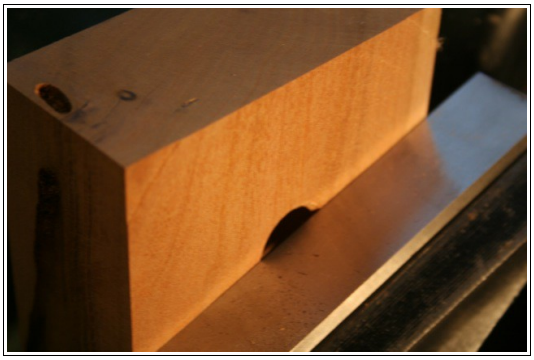
DAVE MCLACHLAN



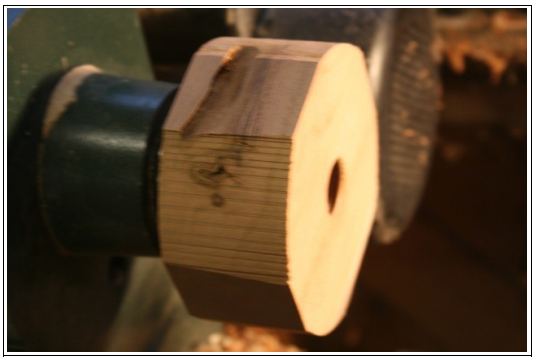
The tap should be lined up square to the face of the block, the ½" deep 1" hole will help to keep the tap lined up, continue to tap the block a bit beyond the depth of your headstock threaded section.



The finished threading should look like this.



Next, mount the hub on the headstock using the face you were threading. Using a square nosed scraper make the hub face dead flat. Check the flatness with the edge of the scraper as shown here… This will be your gluing face to the MDF back plate.



With the hub face squared, bandsaw off the corners and mount on the headstock. Turn the hub so that there is about a ½" thick face, and turn down the threaded section to leave about ¾" wide flange, as seen below.

THE NOVICE CORNER

DAVE MCLACHLAN



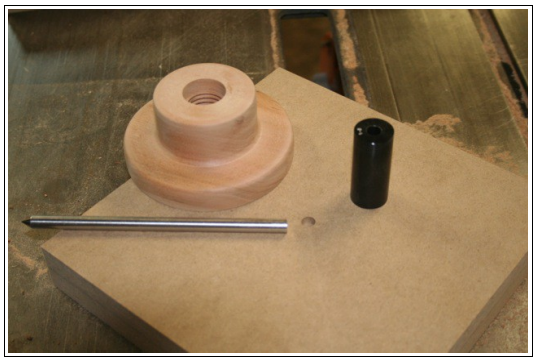
The final hub should look like this once turned, radius the area between the face section and the threaded section for strength. At this point with the lathe running use a pencil to mark the diameter where the screw holes will be drilled.

Go to the drill press and drill and counter sink 8 equally spaced screw holes.





The final product should look like this. This will get centered and glued onto the chuck face. Let the glue cure at least overnight before turning the chuck faceplate.



To center the hub onto the face the easiest way is to draw diagonal lines from the corners of the MDF square to find the exact center. Next using a 5/16” brad point drill drill a shallow hole to line up a centering bar. In this photo we see the centering bar, and a centering hub sized for 1”x 8 tpi threads.

Next using a 5/16” centering bar in the hole, use a centering hub to line up the hub. (in this case the hub would have all of the screw holes drilled as in the previous picture).

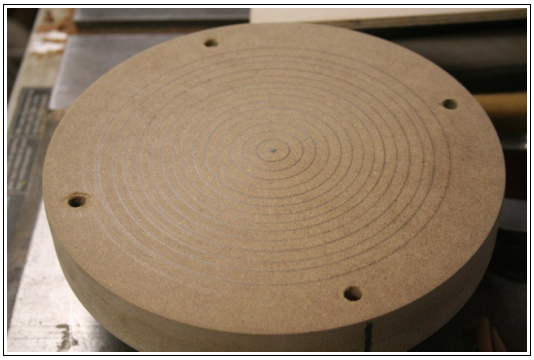


THE NOVICE CORNER

DAVE MCLACHLAN



Apply a liberal amount of glue to the hardwood hub and the MDF faces and line them up as shown… using a vex drill bit, drill starting holes into the MDF centered on the holes in the hardwood hub (holes not shown here on the hub). Screw down the hub to the MDF faceplate. Take the face plate to the band saw and knock off the square corners of the MDF.



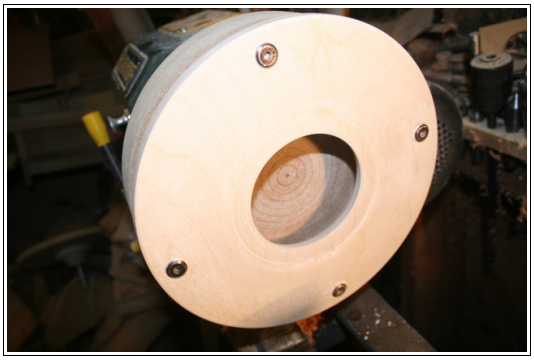
Mount the glued hub and faceplate on the headstock once the glue has fully cured and turn the face round. The face should run true without any wobble… if there is a wobble try facing off the faceplate with a scraper. Add concentric lines to help with centering items placed in the chuck. Drill 3/4” recesses for the propel nuts on the back side of the faceplate and bore holes for the hold-down bolts as seen here.



Mount the square Baltic birch plywood (with the corners knocked off on the band saw) to the faceplate with 1/2” spacers (in this case I am using 1/4” drill guide bushings as spacers).

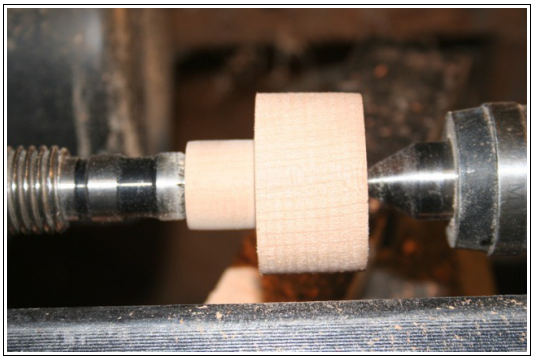
THE NOVICE CORNER

DAVE MCLACHLAN



Now using the point of a 1/4” skew, back cut the plywood disk with the appropriate sized hole. I make several outer plates, with 2”, 3”, 4”, 5” and 6” holes… the inside edge of the opening is chamfered at about 35 degrees. At this point I drill a 1” hole in the center of the backing plate. This will be used to mount centering disks to aid mounting work in the chuck.

Here I am making a centering aid with a 1” stub and a collar the right size to fit a flanged lamp finial.





The final dimension of the centering aid is done using the faceplate held in place by the tailstock.







Hosted by Dave McLachlan

Photos by Chris Palmer

Calendar of Events

Date	Subject	Location
September 19, 2016	Membership dues and Bravery Bead box presentations.	Lee Valley Tools, 100 Susie Lake Crescent
October 17, 2016	Celebration of the Guild's 20th anniversary	Lee Valley Tools, 100 Susie Lake Crescent
November 21, 2016	Accenting With Surface Techniques Part 4 Inlays - Ted Monk	Lee Valley Tools, 100 Susie Lake Crescent
December 12, 2016	Christmas Social	Halifax Specialty Hardwoods, 112 Bluewater Rd. Bedford
January 16,2017	Power sanding presentation with 'An industry representative'	Lee Valley Tools, 100 Susie Lake Crescent
February 20, 2017	Accenting With Surface Techniques Part 5 Carving - Ted Monk	Lee Valley Tools, 100 Susie Lake Crescent
March 20, 2017	Homemade tools, jigs and and turning hacks with Everybody	Lee Valley Tools, 100 Susie Lake Crescent
April 10, 2017	Aspects of Safety for Turners Submissions for NWG Commpetition	Lee Valley Tools, 100 Susie Lake Crescent
April 29, 2017	Awards Day Lee Valley	Lee Valley Tools, 100 Susie Lake Crescent
May 29, 2017	"Finishing and Finishes" with Robert Atkinson	Lee Valley Tools, 100 Susie Lake Crescent
June 19,2017	AGM	Lee Valley Tools, 100 Susie Lake Crescent

The Raffle Booth

Norm Jolivet / Yogi Gutz

Some people won some stuff.
They have names. So did the stuff.
Christmas time is very busy and distracting.

So much spiked eggnog, so little time.



Library Report

Richard Ford

ISSUE DATE	NAME	ID #	DESCRIPTION	AUTHOR
17 Mar. 2014	Dave McLachlin	049BT	The Craftsman Woodturner	Peter Child
20 Jun. 2016	Calum Ewing	034BB	The Art of The Lathe	Patrick Spielman
19 Sep. 2016	Steven Parsons	064BJ	Turned Boxes 50 designs	Chris Stott
11 Nov. 2016	Robert Atkinson	098BV	The Creative Woodturner	Terry Martin
11 Nov. 2016	Bill Fisher	081BC	Keith Rowley's	Woodturning Projects

Magazine Library Report

Jim Diamond

What	Who	When borrowed
Woodturning Design Feb 2011	D. Barry	Feb 2014
Woodturning Winter 2013	R. Hunt	Nov 2014
Woodturning January 2014	R. Hunt	Nov 2014
Woodturning March 2016	P. Nicoll	May 2016
Woodturning May 2016	P. Nicoll	May 2016
Woodturning July 2014	P. Nicoll	May 2016
Woodturning October 2014	H. MacLellan	June 2016

Upcoming Events

Events Committee

Deadline	Event Dates	Event Details
	Dec. 12, 2016	Xmas Social

The Guild had an Exhibitors Table at the NSDCC Christmas Show on November 18th. Thanks to **Harold MacLellan**, we now have a manageable safety screen so we could do some on-site turning. Huge improvement (until the belt broke - #@$$%?&&*). This was a big draw.

From what I understand, the crowds were down at this year's show, but I think we still got a great response to our table and I would recommend that we exhibit next year. We continue to get inquiries about sales and instruction. I would really appreciate some folks helping to develop some ways to meet that need while still respecting NSDCC's turf. Many thanks to **Calum Ewing**, **Dave Duggan**, **Harold M**, **Gary Landry**, and **Gordon Marshall** (for helping us to not offend NSDCC) for all the help.

It's that time! Our December meeting will be at Halifax Specialty Hardwoods on December 12th. Please bring a few of those gifts you're panic turning - successes and failures welcome - for the Christmas Show 'n Tell. Make sure you bring some wrapped ornaments for the Ornament Exchange. Oh, and for goodness sake bring some food. We need food!

Brian

Nova Woodturners' Guild – 2016/17 Executive

Our e-mail now reflects a more consistent method of communicating with the various offices in the Nova Woodturners' Guild. The recipients will change as the need arises but a note sent to the president will go to who ever is president at that time. All the following addresses should be followed by @novawoodturnersguild.com to send mail to that person

Position	<address>@novawoodturnersguild.com	Name	**C**hairperson?
EXECUTIVE	executive (sends the message to all positions on the list)		
President	president	David McLachlan	
Vice President	vice-president	Harold McLellan	
Secretary	secretary	David Barry	
Treasurer	treasurer	Brenna Swinamer	
Members at Large	members-at-large	Dianne Looker	
COMMITTEES			
Library	library	Jim Diamond Richard Ford	**C**
Web Site **Website Forum**	webmaster	Ian Scott Norm Jolivet	**C**
Membership & Promotion	membership-chair	Gary Landry Norm Jolivet	**C**
Newsletter	newsletter	Norm Jolivet	**C**
Events	events	Brian Sharp Dave McLachlan	**C**
Competition		Calum Ewing Edmund Benoit Harold McLellan	**C**
Guild Photographer		Chris Palmer	
Fund Raising		Norm Jolivet (Raffles) Yogi Gutz	**C**
Nominating			**C**