



# The Turning Point

In this issue:

Presidents Message	2
Meeting Notes	3
Calendar	6
Letter to the Editor	7
Executive	8



MEMBER SINCE 2012

*The next meeting of the Nova Woodturners' Guild is at  
Lee Valley Tools  
100 Susie Lake Crescent, Halifax, N.S.  
October 21, 2019. 6:15 p.m.*

The next meeting will feature

**Inside-out Ornament Demo  
(Richard Ford)**

## The President's Workshop

Gary Landry

PRESIDENT'S NEWSLETTER REPORT  
OCTOBER 2019

We have begun our new year of meetings. Registration went well at the September meeting and **Dave McLachlan**, our Treasurer, will be making numbers of signed up members available soon as not all past members were in attendance at the September meeting. Once again I will remind all those wishing to register as members to bring a completed and signed copy of the Membership Form (available from our website) to your next meeting. Cash and cheques are accepted and this year you can even e-transfer monies to Dave directly and he will process it from there.

One more reminder that all positions but the Chair of the Competition Committee were filled by votes at the Annual General Membership Meeting in June. We have great hope that this position, critical to a successful year, will be filled shortly.

The list of demonstrations and their presenters have been firmed up for the new meeting year and updates are available from our website. For this month's meeting **Richard Ford** will show us the ins and outs (pun intended) of inside out ornament design and execution.

The Executive will be having a meeting with **Gordon Marshall** who will present his committee's revamp of the judging criteria to be used for our annual turning competition. Once the meeting is held the results will be made available to the membership for their input and eventual approval.

See you on the 21st. Turn some wood and stay safe,

Gary Landry

*Richard Ford will show us  
the ins and outs of inside out  
ornament design and  
execution.*

## Meeting Notes Sept 16, 2019

Calum Ewing

President **Gary Landry** Opened the meeting at 6:45 pm; with 28 members present

**Visitors:**

**Gord** and his wife **Gail** from Alberta. They are members of the Central Alberta Woodturners Guild and in Nova Scotia for a visit so decided to join us for the evening and check out the NWG.

**Announcements:**

The schedule of demos and meeting topics for the 2019-20 season is shaping up as demonstrators and dates are confirmed. Check the website regularly for updates.

**Gordon Marshall** is chairing the Competition Judging Criteria Review committee and will meet with the Executive soon to present their preliminary proposals.

**Dr. Andrew Watson** is still in hospital (at the QE2) and says 'hello' to all. He is hoping to get transferred to Lunenburg to be closer to home.

The Executive is gathering information on members' lathes so that we can better plan purchases of tools and accessories for the Tool Library. There are new questions on the Membership Form to help gather this information.

**Lee Valley** is undergoing renovations, but they are coming to an end and staff are working to put the store back in order now.

A bag of books has been donated to the library. **Richard Ford** will process these and have them available to borrowing at the next meeting.

The Guild newsletter is late this month due to power outages and other issues caused by Hurricane Dorian.

Donations are already coming in for the decorated wreath for raffle at our Christmas Social meeting. See **Norm Jolivet** for details and to donate some turned ornaments. Donations for the monthly raffles at meetings (turning stock, tools, books, etc.) are always welcome.

The Library inventory shows that several items are missing. Please check at home for any borrowed materials to be returned. All Guild books are stamped inside the front cover with the Guild name.



IT'S NOT  
A  
MISTAKE.  
  
IT'S A  
DESIGN  
FEATURE

## Guest Speaker

### Main Presentation: Using Collet Chucks – David McLachlan

Dave began working with collets to hold stock when working on a small metal lathe 20 years ago. They were limited in size (up to 5/16 inch) but useful.

#### Why Collets?

Collets have several distinct advantages over some other ways of holding stock:

They have great repeatability. If you remove stock from the lathe it can be remounted in the collet and will run true.

They give an 'all round' grip on the stock, rather than a few contact points giving secure holding power.

Don't tend to mark or crush wood the way chuck jaws can.



#### Types of Collets

##### MT2 Collets (Morse Taper)

Perhaps the simplest type, they are MT2 tapered shafts with precise holes drilled in the centre. Longitudinal cuts in the 'business' end allow the collet to be compressed and grip stock when the collet is drawn into the headstock taper with a threaded draw bar.

Easy to use as there is only one piece to be concerned about

They are limited in capacity as only stock that can fit within the diameter of the head stock taper can be accommodated.

Ideal for mandrels and mandrel work

They are the best type for concentricity as there is only one part.

##### R8 Collets

Not normally used for lathes, they have a deep throat and can hold stock up to 7/8 inch. They have limited movement of the gripping 'jaws' so stock must have a good fit (within .001 inch) or the mounting will be loose and lack accuracy.

Both MT2 and R8 collets have slots for flex only near the open end so have good grip only near the mouth.

##### PSI / Beall Collet chucks

Individual collets fit into a threaded Collet Chuck that mounts on the headstock spindle.

They are based on the ER32 Collets (see below)

The chuck threads onto the headstock spindle and compresses the collet inserts.

## Meeting Notes continued

Calum Ewing

**ER Collets**

Have the best gripping power of collet types

Available in several size ranges (ER11, 16, 20, 25, 32)

ER25 goes up to 5/8 inch capacity

ER32 has the largest capacity but fewer size choices

ER20 is the best all round set for small work with collets available from 1 to 13mm

Each size range requires the correct collet holder head

Collet heads usually used with MT2 tapered shafts to fit in headstock spindle

The Collets heads have a tightening nut that locks the collet in places and compresses it to grip the stock.

Specific collet head nuts often require special wrenches to tighten and loosen the nut

Collets have many slots cut from the top and from the bottom so have lots of flexing range when tightened

When collet head nut is tightened, the collets constrict from the back and the front giving very even and powerful gripping force

These are through collets to they can accept longer tenons or stock

Collet sets can be purchased at foreign tool sellers such at [www.banggood.com](http://www.banggood.com) or [www.amazon.ca](http://www.amazon.ca)

**Cost:**

ER25 Holder costs approximately \$15

ER32 Holder costs approx.. \$25

Collet sets range in price depending on numbers of collets and sizes included

Collets holders are available with straight shafts which are good for use in interchangeable tool handles to hold unhandled tools

**Safety & Maintenance:**

A draw bar must be used through the headstock spindle to keep the collet holder in place while turning.

Keep the collet slots clean. Use a stick bristle or brass brush to clean dust out of the cuts

Wipe collets and holder with light oil occasionally to prevent rust

Check for eccentricity by placing a short rod in the collet and checking the deflection of the tip with a dial indicator as the lathe is turned slowly by hand

**Turning Finials with Collets:**

You can make long finials in multiple parts and join with tenons and drilled mortises that are accurate for easy assembly

Once stock mounted in collet with the correct tension, you can turn the piece without the tailstock in place, working from the tip to the base to completion for support and to reduce vibration

Collets are great for holding other types of mandrels (eg. for pill box kits, etc.)

Meeting wrapped up at 8:30pm



*Yogi Gutz recently aquired set*

**Photos by Chris Palmer**

## Calendar of Events

Date	Subject	Location
September 16, 2019	Using Collet Chucks (Dave McLachlan)	Lee Valley Tools, 100 Susie Lake Crescent
October 21, 2019	Inside out Ornament Demo (Richard Ford)	Lee Valley Tools, 100 Susie Lake Crescent
November 18, 2019	Ford's Awesome Duplicator (Richard Ford)	Lee Valley Tools, 100 Susie Lake Crescent
December XX, 2019	Christmas Social	Halifax Specialty Hardwoods, 112 Bluewater Rd. Bedford
January 20 , 2020	Lathe Safety (Calum Ewing) Dust Control (Bill Maes) Wood Toxicity (Gary Landry)	Lee Valley Tools, 100 Susie Lake Crescent
February 24 , 2020	Tool Use inside an Inturned-edge bowl (Stephen Zwerling)	Lee Valley Tools, 100 Susie Lake Crescent
March 16, 2020	Carbide Cutter Tools ( sharpening? ) (Zalman Amit)	Lee Valley Tools, 100 Susie Lake Crescent
April 20, 2020	Turning Finials (R.Atkinson)	Lee Valley Tools, 100 Susie Lake Crescent
April XX, 2020	Awards Day Lee Valley	Lee Valley Tools, 100 Susie Lake Crescent
May 25, 2020	Turning a Goblet Stewart Taylor	Lee Valley Tools, 100 Susie Lake Crescent
June 15, 2020	AGM	Lee Valley Tools, 100 Susie Lake Crescent

### The Raffle Booth

Norm Jolivet / Yogi Gutz

**Shawna Mitchell** took home a turning blank;  
**Peter Nicholl** won a nice piece of Cherry burl;  
**Lowell Jenkins** added a book to his library and  
**Richard Ford** also took home a new book.

Remember, all donations accepted and anonymously too.



**Richard Ford** <rfjwoodturner@hotmail.com>

To: Norm Jolivet (Editor)

Sep. 18 at 2:13 am.

Norm, Just to let you know last Monday, before the meeting, **Edmund, Lowell**, and I delivered 41 Bravery Bead Boxes to the IWK. I don't know how many have been made by other members but there were only 3 in stock when we arrived.

I have attached a photo of the ones I finished. You can see we took advantage of Edmunds laser engraver to decorate the boxes.



Oh and I donated the angels in the picture they thought they would be able to use them as decorations etc with the Christmas season close on our heels.

## Nova Woodturners' Guild – 2019/20 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	<code>&lt;address&gt;@novawoodturnersguild.com</code>	Name	Chairperson?
----------	---	------	--------------

<b>Executive</b>	executive (sends the message to all positions on the list)		
------------------	--	--	--

<b>President</b>	president	Gary Landry	
<b>Vice President</b>	vice-president	Bill Maes	
<b>Secretary</b>	secretary	Calum Ewing	
<b>Treasurer</b>	treasurer	Dave McLachlan	

<b>Members at Large</b>	members-at-large	Bill Luther	
-------------------------	------------------	-------------	--

**Committees**

<b>Library</b>	library	Jim Diamond Richard Ford	<b>C</b>
----------------	---------	-----------------------------	----------

<b>Web Site</b>	webmaster	Richard Ford	<b>C</b>
-----------------	-----------	--------------	----------

<b>Membership &amp; Promotion</b>	membership-chair	Brian Larter	<b>C</b>
-----------------------------------	------------------	--------------	----------

<b>Newsletter</b>	newsletter	Norm Jolivet	<b>C</b>
-------------------	------------	--------------	----------

<b>Events</b>	events	Dave Dugan	<b>C</b>
---------------	--------	------------	----------

<b>Competition</b>		Vacant	<b>C</b>
--------------------	--	--------	----------

<b>Guild Photographer</b>		Chris Palmer	
---------------------------	--	--------------	--

<b>Fund Raising</b>		Vacant	<b>C</b>
Raffles		Norm Jolivet Yogi Gutz	

<b>Nominating</b>		Bill Maes	<b>C</b>
-------------------	--	-----------	----------

