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The F.V.W.G. meets every **2<sup>nd</sup> THURSDAY** of each month of the school year at 6:30 p.m. We meet in the woodwork shop at the Yale Secondary School in Abbotsford (Old Yale Road & McMillan). Next meeting is January 9<sup>th</sup>, 2003.

These folks are kindly asked to bring a snack to share for the coffee break or a piece of wood for the raffle. Thank you.

<p><b><u>Goodies – January</u></b> Pilchak, Pitts, Pretty, Radke, Reeve. Feydra and Clarke Romanovsky requested February goodie duty being that they will be out of town.</p>	<p><b><u>Wood Rotation – January</u></b> Gienge, Gonzales, Griffin, Hansen, Harris, Heise, Gloria and Lee Herbets. Please write the <b>Species</b> on the donated wood.</p>
<p><b><u>Goodies – February</u></b> Feydra and Clarke Romanovsky, Saunders, Sawyer, Sluys, Spranger.</p>	<p><b><u>Wood Rotation – February</u></b> Hiebert, Hughes, Isaak, Kasatkin, Kealy, Krieger and Le Dantec.</p>
<p><b><u>Cleanup Rotation – January</u></b> Berry, Blenkarn, Boldt, Bowes and Bowes</p>	

**BOWRIVER PRESIDENTS "THEME" CHALLENGE**

Holidays are over for most, so get your lathes a-turning and start creating. A square edged bowl, square box, a square whatever is our challenge. These are a lot of fun to turn, just watch your pinkies when you're sanding.



**CALENDAR OF EVENTS**

- January:** Guest Speaker – Les Jozsa a Wood Scientist from Forintek.
- February:** Surprise! **Bring your favourite woodturning tools.**
- March:** To be announced.
- April:** Timed Egg Cup Contest. Better start practising!!!!  
Elections
- May:** Guest Speaker – Doug Tingly to discuss Chainsaw Safety.  
Richmond and Abbotsford Woodcarving Show and Competitions. Woodturners are welcome to enter these competitions.
- June:** To be announced.  
B B Q and auction.
- August:** Demo and display at the Abbotsford Agrifair

**2002 – 2003 PRESIDENT’S “THEME” CHALLENGES**

- Jan -** Square (ex: square bowl, square box, square candleholder, square carving)
- Feb -** Texture (ex: a piece with texture, carved, painted, distressed, beaded, sand blasted, chattered)
- Mar -** natural or nature (ex: bird house, bird feeder, natural edge bowl)
- April -** segmented (ex: has segments)
- May –** between Centers
- June –** miniature (eg: small)

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**MENTORS LIST:**

You may contact any of the following persons if you require help or need advice.

- |  |  |
|--|--|
| David Broomhead (Langley) 604-533-1142   | Colin Delory (Surrey) 604-576-1172       |
| Bill Isaak (Abbotsford) 604-850-0452     | Herb Reeve (Abbotsford) 604-853-2622     |
| John Krieger (Mission) 604-826-7796      | Margaret Eisenman (Mission) 604-462-8665 |
| Ross Patterson (Chilliwack) 604-858-3953 | Paul Wiebe (Aldergrove) 604-856-5432     |
| Jim Peardon (Abbotsford) 604-852-1645    | Ian Fulford (Abbotsford) 604-820-4072    |
| Bob Burke (Chilliwack) 604-792-2866      |  |

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**FOR SALE:**

Set of 6 Oak Chairs. These (antique) chairs are not much good as chairs themselves but the backs (i/c the back legs) are nicely carved and are in good shape: the rest of the chair was poorly designed. They would be a good start for anyone planning on building a set of chairs. \$100.00 obo. Ed Pretty: 604-888-5591

Free to good home: Assorted Lee Valley catalogues. Includes all main catalogues and flyers from early eighties. Also includes most issues of “Woodcuts” magazine. Get ‘em before I toss ‘em out. Ed Pretty: 604-888-5981

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The first thing that many woodturners do when seeing a new bowl or hollow form is to pick it up and look at the bottom. The reasons for doing this are to see the artist's signature and to see that the bottom is appropriately finished. For many years, an unturned bottom has been regarded as unacceptable. Thus, one of the important steps in turning a piece is to turn the bottom.

There are several methods to hold a bowl or hollow form for this "reverse turning". As each turning presents its own challenges, it is worth having several options in your mental toolkit.

For large bowls, I use a vacuum chuck. For very small bowls, I often use commercially made "Cole jaws" mounted on my standard chuck. Another option for bowls is to use a "doughnut chuck" and for my hollow vessels (see photos), I use a slightly modified "doughnut chuck".

In my local woodturning club, many of the newer members aren't familiar with these doughnut chucks, so I thought that a description might be of general interest.

The doughnut chuck, in its simplest form, consists of a plywood circle attached to a faceplate, a separate plywood ring, and three or more bolts with wing nuts. (Alternatively, the faceplate circle could be made to fit into the jaws of a chuck.) A bowl or hollow vessel is then sandwiched between the two pieces of plywood and the bolts as shown in the photo hold the whole thing together.

To make a doughnut chuck, you will need plywood, a dedicated faceplate, screws for the faceplate, some foam padding, several bolts of the same diameter in various lengths and matching wing nuts.

Begin by selecting some plywood of the appropriate thickness. As my vessels are generally small and lightweight, I use 3/4" plywood for the faceplate circle, and 1/4" plywood for the ring. For heavier pieces, you may want to use thicker plywood.

Attach two (or more) pieces of plywood face to face with double stick tape.

Cut this stack of plywood into circles with a bandsaw. The diameter of these circles should be at least two inches larger than the diameter of the largest bowl (or vessel) for which the chuck will be used.

While the plywood circles are still connected by the tape, drill three (or more) equally spaced holes centered approximately 1/2" in from the outer diameter of the circles. The diameter of these holes depends on the bolts you will be using. (I use 1/4" bolts of lengths ranging from 3" to 6".)

Bolt the circles together.

Attach the faceplate circle to a faceplate with screws of appropriate length.

Mount the entire assembly on the lathe.

**IMPORTANT SAFETY NOTE:** Always put the head of the bolt on the tailstock side and the wing nuts behind the faceplate circle on the headstock side. Be sure to keep your fingers away from those spinning wing nuts!

True up the outer edges of the circles on the lathe.

Mark the edges of the circles so that you can align them the same way each time.

With a parting tool, remove a circle of an appropriate size to create the plywood ring. Note that the diameter of the opening in this ring should be large enough to allow the foot of the bowl to be fully exposed for the reverse turning, but not too large. I make several different rings with openings of various diameters so that the chuck system can accommodate a wide range of turnings.

Dismantle the assembly.

Cut some protective foam padding and glue it to the surfaces of the faceplate circle and the ring where they will touch the turning.

You are now ready to use the chuck.

Mount the bowl in the chuck with the rim on the faceplate circle and the bottom protruding through the ring. Secure with bolts, being careful to put the wing nuts on the headstock side.

Mount the assembly on the lathe. The tailstock can be used to align the center of the bowl and hold it in position as you tighten the wing nuts. Don't over tighten, as it is possible to crack a thin bowl.

When the chuck is fully tightened, you can turn the bottom. I usually leave the tailstock in place as long as possible for safety, but it can be removed for completing the bottom. I always use this chuck at a fairly low speed – perhaps 600 or 800 rpm at maximum.

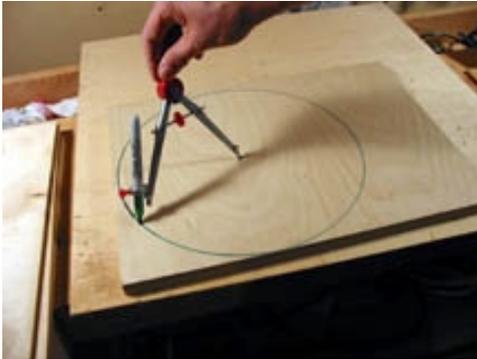


Figure 1: layout circles



Figure 4: mark edges



Figure 2: bandsaw circles



Figure 5: tape circle together



Figure 3: attach face plate



Figure 6: drill holes



Figure 7: true up sides



Figure 11: added cone for hollow vessels



Figure 8: remove circles

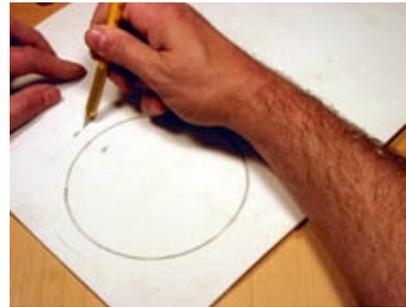


Figure 12: cut foam ring



Figure 9: mark foam for cutting



Figure 13: turn bottom



Figure 10: mounted bowl



Figure 14: mounted hollow vessel

The hollow vessels that I turn have small entrance holes – from 1” to 2” in diameter. To aid in aligning a vessel, I add a wooden cone in the center of the faceplate.

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<http://www.canadianwoodworking.com>

**List of Auctioned Items – Christmas Social 2002**

<b>DONATED BY</b>	<b>AUCTIONED ITEM</b>	<b>PRICE</b>
Colin Delory	Segmented Xmas Ornament	44.00
Bill Isaak	Pen Blanks	7.50
KMS Tools	Captive Ring Tool	38.00
Margaret Eisenman	Xmas Ornaments (8)	12.00
Al Berry	Basket of Fruit Leather	13.00
Tom Spicer (Carver)	Humming Bird Pendant – Hand Carved	21.00
Wayne Cunningham	Xmas Ornament	14.00
Jim Peardon	Xmas Ornament	16.50
Perry Niehaus	Cherry Bowl	21.00
Peter Dykstra	Lidded Box	16.50
Ryan Heise	Lidded Box	16.00
Margaret Eisenman	Flower Vase	51.00
Al Berry	Wooden Spatula	10.50
Wayne Cunningham	Carved Toothless Man Figure	40.00
Brian Murphy	Potpourri Bowl	36.00
Al Berry	Wooden Spoon	8.50
Consortium	Pedestal Bowl	95.00
Gloria Herberts	Plate	20.00
John Krieger	Pens (2) sold at \$18.00 each	36.00
Herb Reeve	Square Edged Bowl	28.00
Ian Fulford	Bowl	12.00
Ian Fulford	Paint Pen	11.00
King Canada	Golf Shirt	22.00
Jamie & Val Kealy	Carved Pencil	13.00
Gary Cormier	Candle Holders	11.00
Perry Niehaus	Apple Bud Vase	24.00
Keith Bennett	Xmas Bell	11.00
Paul Wiebe	Bowl	11.00
Bob Gonzales	Hollow Form Bowl	60.00
Bob Young (Carver)	3 Hand Carved Ducks	69.00
Al Berry	Basket of Fruit Leather	13.00
Bill Isaak	Vase	21.00
Bill Isaak	Pen Blanks	5.00
	Miscellaneous Tips	<u>7.00</u>

**Donated to Charities**

**\$834.50**

**THANKS TO EVERYONE FOR YOUR GREAT SUPPORT THAT MADE THIS EVENING A SUCCESS.**