

# CALGARY WOODTURNERS GUILD NEWSLETTER



March 1, 2016

Issue 59, March 2016

## Box with a Tilted Lid

Editorial	Page 2
The Last Meeting	Page 2
Box with a Tilted Lid	Pages 3 - 5
Critique Session	Page 5
Instant Gallery	Pages 6-8
Meeting Locations	Page 9
About Us	Page 10



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From the Editor

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The quality and variety of pieces in our Instant Gallery just keep getting better and better.

Thank's to Kai for an excellent presentation on how to make a box with a tilted lid, and a very big thanks for writing up his presentation.

The critique sessions are always an eye opener to me. Have to keep those curves in mind and get away from straight sides. The pieces are getting better... when I have the time to get in the shop and turn. Maybe in a few months I'll bring out some new ones.

Doug Drury



At precisely 7:00 PM CWT time Norm called the meeting to order.

First order of business was of course to welcome our guests, Stan and Corrina

Carl Smith informed the attendees that we now have 140 members in the guild, but not everyone has paid! Carl says you have until May 1st to pay your dues, or you will have to pay Carl a penalty for late payment. The penalty - a cookie! (Types and flavors of Carl's favorite cookies were not disclosed.)

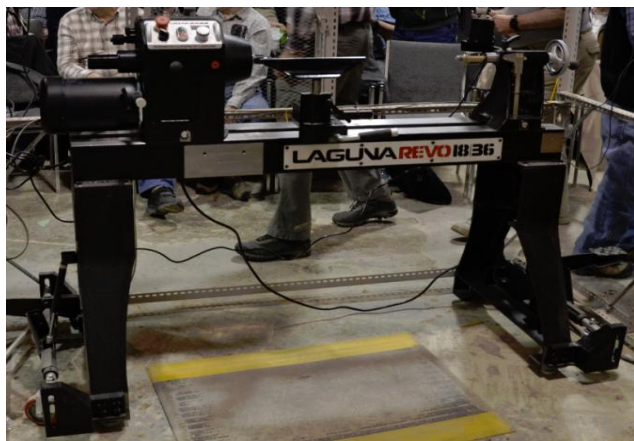
John Penner announced that the booth for the Spruce Meadows Christmas show has been booked so we will get our 15% early booking discount. We are still looking for a new co-ordinator for the Spruce Meadows show. John will mentor the new volunteer.

Albert Daniels announced that the dates (subject to change) for the next sawdust sessions will be March 12, April 16, and May 14th. Mark your calendars for the April and May sessions now!

Greg Dahl reminded everyone that he has the forms for adding your shop or teaching school to the guild's insurance policy. See Greg for costs, forms, and other details.

Norm informed everyone that we will be having our Annual General Meeting at the April meeting. Norm promised to keep the business part of the meeting as short as possible.

We have been borrowing a lathe from Black Forest Wood Products for our meeting and demonstrations for a long time (years in fact). It was moved by Norn Olsen, seconded by Greg Dahl, that we purchase a LAGUNA lathe from Black Forest Wood Products. The lathe would be stored at Black Forest Wood Products, and Black Forest would be



allowed to use it as payment for storage. The cost of the lathe is just under \$5,000. We have enough to pay for the lathe, but it will just about empty our bank account. Memberships will refill the bank account, plus the 50/50 draw brings in about \$100 a meeting. With the membership money received at the meeting, we would have about \$800 left in the bank account. The lathe comes with a 2 year warranty. After some additional discussion, the motion was passed by quite a large majority.

Jim Osenton introduced the "Beads of Courage" program to the membership. A lot of questions were asked, and it was decided that the program needed to be investigated more thoroughly and a presentation made to the membership. This will be presented at the April meeting.

Dwayne Sims announced that Greg and he had charitable tax receipts to hand out at the break.

Dwayne is looking for more donations for charitable events. From Dwayne:

*As discussed, the club needs more product for charitable giving. At the last meeting, I gave out 3 charitable tax receipts totaling just over \$100.00. My personal tax receipt for the product I donated was just over \$300.00. The summer silent auction season is coming soon - we need more product. This helps the charity, helps the club get our name out there, helps us as individuals feel better by helping and helps the end purchaser buy something of ours and helps their charity of choice as well.*

*The type of items that are received well are priced under \$100.00. Almost anything, but it should look good enough to sell at Spruce Meadows, for example. Customers pick it up and look at it before they make their bid for the product. Some will bid for something that is not nice if it is priced under \$20.00, just to make a donation to the cause.*

*A bunch of my donations are cutting boards that I make. So there can be other product than turned items.*

## Box with a Tilted Lid

by Kai Muenzer



I took two pages of notes, some pictures, and made some sketches. Then Kai was nice enough to email me his "Recipe" for Box with tilted Inlet", so instead of trying to improve on the master, here is Kai's Recipe (with some added pictures).



## Recipe for Box with tilted Inlet

Assumption: Standard box turning is already known. Red letters refer to the notation in the diagram below.

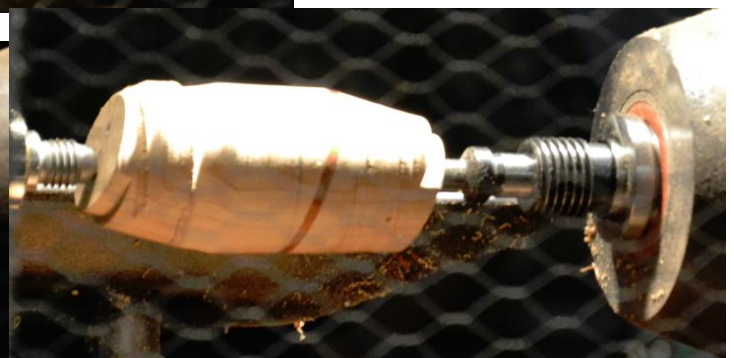
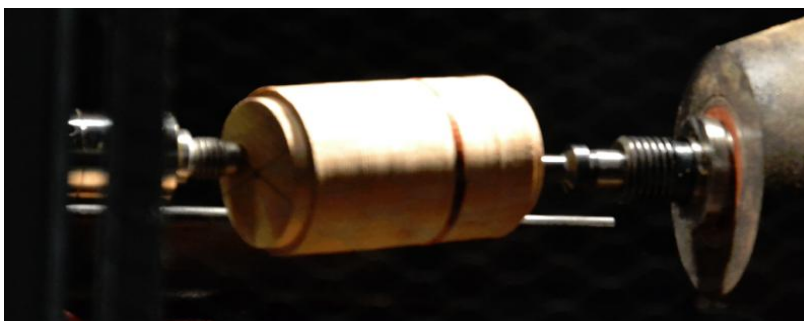
- 1 Select fairly dry blank with the grain running along the long axis. The diameter about 30%-50% wider than for a standard box size.
- 2 Select tilt angle, 15-20 degrees works well. The inlet depth will be the difference between the TOP and BASE height (a and b). You need to add the depth of the tenon and the width of your parting tool to the top height.
- 3 Get X,Y,Z, ZZ and I with the spreadsheet with the a,b,c of your blank.
- 4 Mark the center of the blank into the endgrain. Mark the off-center X into the direction of the 2nd axis on opposite sides.
- 5 Mount the blank as with spindle turning along the centers of the long side. Rough the blank. You need at least a C size diameter.
- 6 Turn tenons sized for your chuck at both ends. The tenons must not interfere with the marks of the 2nd axis.

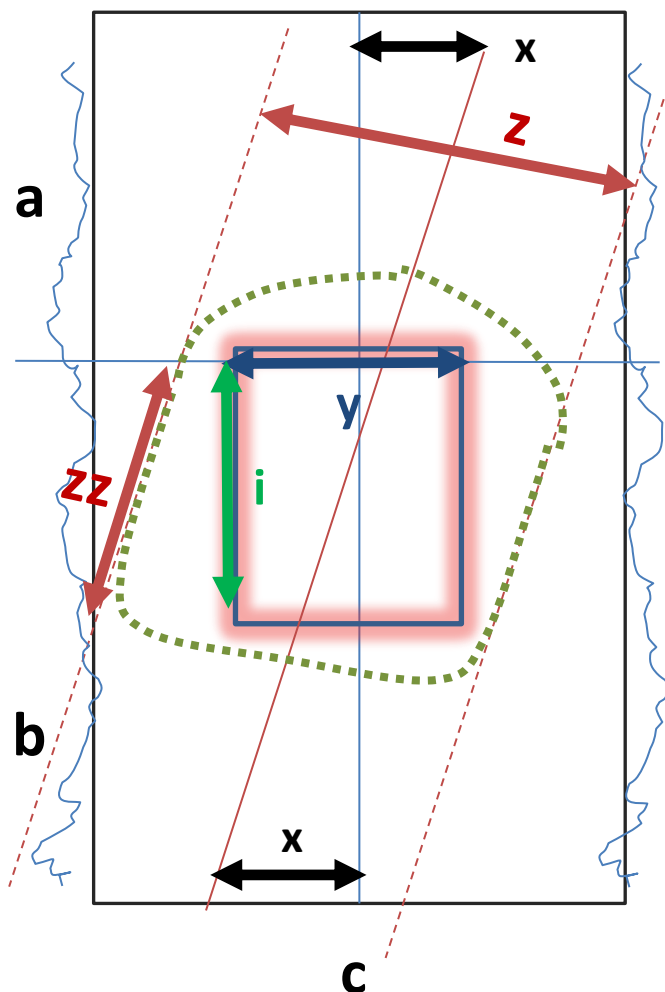


- 7 Mark a circle at **b** and mark a line across for later alignment. Part the blank at **b**.
- 8 Chuck the BASE. Clean the cut. Option to glue a decorative slab at this time. Mark inlet diameter **Y** and core inlet to a depth of **i**. Sand and finish the inlet.
- 9 Chuck the TOP. Clean the cut. Mark a circle at **a**. Turn a tenon that fit fairly tight into the BASE. Sand and finish the inside of the TOP.
- 10 Fit TOP and BASE at earlier the established mark. Fit the blank on the 2nd axis **X** between centers with the TOP at the lathe's drive side. A small diameter step center works well for the drive side.
- 11 Turn the blank aiming for a lathe axis parallel along the tilted opening of the BOX. Leave a final diameter of **Z** at the most right side of the tilted opening.
- 12 Shape the TOP such that the box opening has an nice symmetrical diameter. You need to start the final cuts just left of the most right side of the tilted opening. You need to open the box and check for this.
- 13 The bottom of the BASE is established by **ZZ** which is measured from the most right side of the tilted opening. Turn a tenon sized for your chuck right of the bottom such that you still have room to part the BASE later.
- 14 Chuck the BOX at the BASE side with the TOP still in place and finalise the TOP. Sand and finish. Part the BOX at **ZZ**. Sand and finish the base and sign!
- 15 Option for a knob at the TOP along the axis of the inlet. Build a jam chuck that fit the opening of the TOP. Once you fit the TOP on this chuck you find the axis of the inlet. You may just drill a small hole to fit a sepatatly turned knob later.

Enjoy. See examples in: <http://www.kaimuenzer.com/boxes-and-jewelry-cabinets/>

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Distance to 2nd axis **X**  
 Maximum inlet diameter **Y**  
 Minimum outer diameter of 2nd axis **Z**  
 Minimum bottom height from low edge **ZZ**

\* Total length does not include space for parting

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[ Editor: Kai also provided me with some spreadsheets to aid in the calculation of the measurements in the diagram. We will look into posting links to these spreadsheets on our web site. There are separate spreadsheets for both metric and imperial measurements!]

## Break Time!

### Critique Session:

Ron Falconer presented the three vases pictured to the right. All three pieces came from the same burl. As usual there was some lively discussion about the pieces. Some felt the middle vase was top heavy, and the left was too straight in the middle - the curve was lost. Ron's favorite was the right, but he felt it should be a little narrower at the bottom. The group however did not agree!



Dave Beeman did his draw and a number of pieces of wood went to new homes. Randy Nattress was the winner of \$123.00 in the 50/50 draw.

### The End of the Meeting

## Instant Gallery







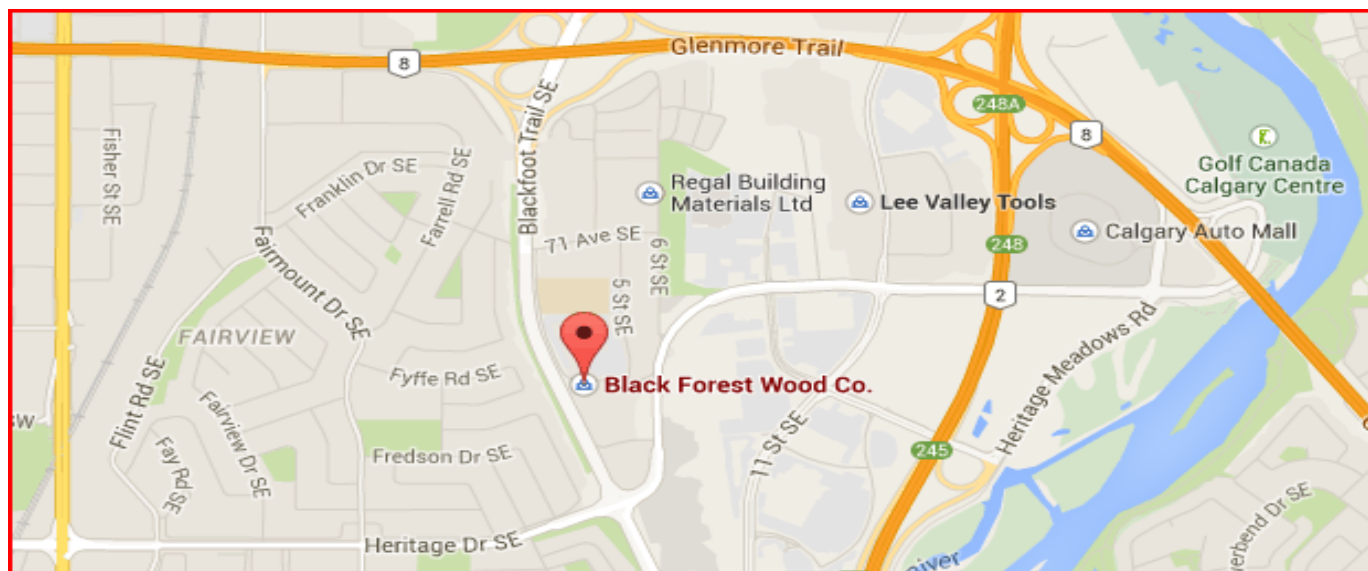






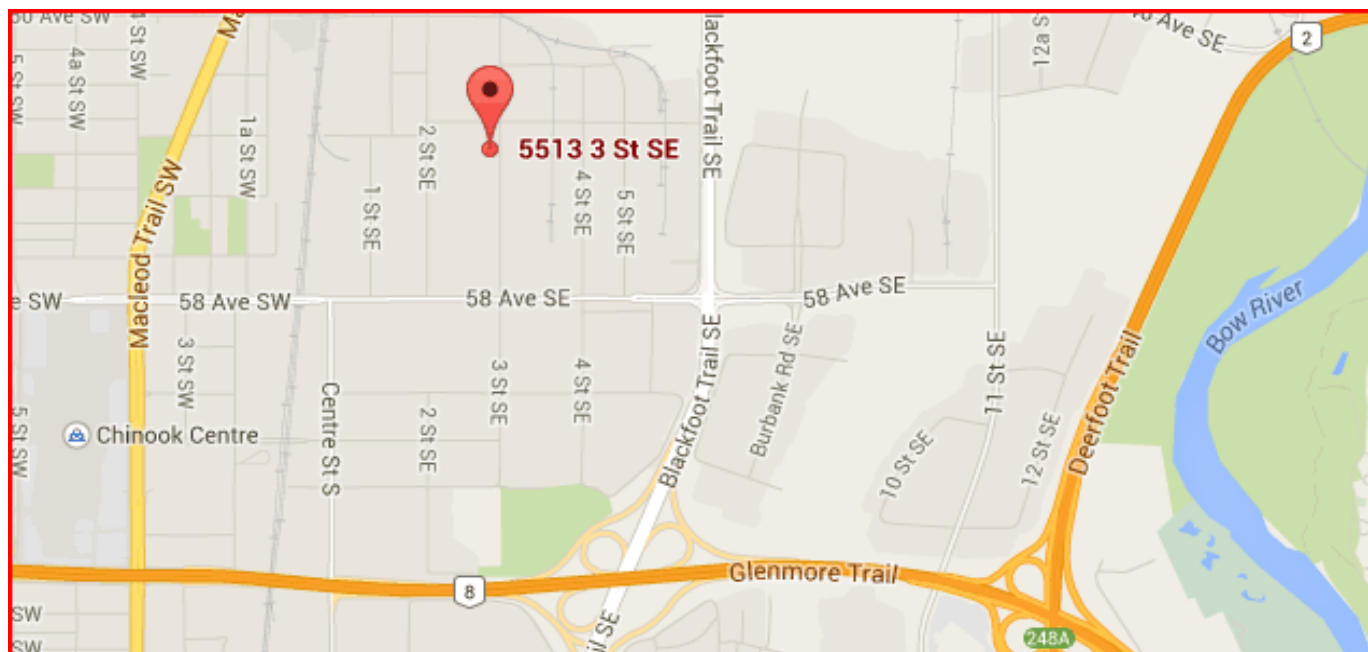
## Guild Meetings

The Calgary Woodturners Guild meets at Black Forest Wood Company (603, 77 Ave SE, Calgary) the first Tuesday of each month at 7:00 PM except for July and August. 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 projects on. Visitors are always welcome, and lunch is available for \$5.00 for those who work up an appetite and want to stay.



### **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 & materials

### **FOR THE COMMUNITY**

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

### **MEETINGS**

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.  
Visitors are welcome

### **MAILING ADDRESS**

Calgary Woodturners Guild  
c/o Black Forest Wood Company  
Bay 7, 603 - 77th Avenue SE  
Calgary, AB, Canada  
T2H 2B9

### **MEMBERSHIP DUES**

Annual Dues - \$30.00 with Email, otherwise \$35.00  
Dues paid on a calendar year basis

**WEBSITE**    [www.calgarywoodturners.com](http://www.calgarywoodturners.com)

### **CLUB OFFICERS AND DIRECTORS**

President:	Norm Olsen
Vice President:	Garry Goddard
Treasurer:	Greg Dahl
Secretary:	Doug Drury
Director - Website Administrator:	Sherry Willetts
Director - Program Manager:	Terry Golbeck
Director - Sawdust Session coordinator:	Ken Kindjerski
Director - Sawdust Session coordinator:	Albert Daniels
Auditors:	
Bar-B-Que (Annual):	Albert Daniels
Charitable Co-ordinator	Dwayne Sims
Librarian:	Carl Smith
Membership Records:	Carl Smith
Newsletter	Doug Drury
Photographer:	Vacant
Programs:	Terry Golbeck
Public Displays:	Joe Van Keulen
Raffles:	Dave Beeman
School Liason:	Jim Jones
Spruce Meadows Sale:	John Penner
Webmaster:	Sherry Willetts
Members at Large:	Jim Leslie, Vern Steinbrecker