



# CALGARY WOODTURNERS GUILD NEWSLETTER

April 4, 2017

Issue 70, April 2017

## Resins With Lyle and George

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

### Guests

Guests this month were Zuki and Brian

### Announcements from Terry Golbeck

- 1) Jimmy Clewes is coming to Black Forest Wood at the end of July. If you are interested in attending Jimmy's class please let Terry know as soon as possible as Terry has to commit to Jimmy.
- 2) Terry has the new Scout lathe from Robust. It is in the equipment room for anyone who is interested to look at.

### Annual General Meeting

Graham Dolby has taken over the display cabinets. Greg Dahl is away but should have the treasurer's report for the guild at the May meeting. We are still looking for members to volunteer for the following positions:

**President**

**Treasurer**

**Program Director**

Please see Norm if you are interested in filling any of these positions.

### Membership

Carl informed the guild that most members have paid their dues, but there are 18 delinquent members who have not paid. If they do not pay very soon, they will be dropped from our membership.

## RESINS with Lyle Donauer and George Samaha

Resins can be used for more than just filling gaps. They can also be used to laminate pieces together, for casting, as a finish, and as decorative elements.

Lyle uses a pressure pot with EcoPoxy - a two part resin he gets from Windsor Plywood. Cost is about \$182 for 2 litres of resin and 2 litres of hardener. The resin is mixed in a 1:1 ratio. (Terry informed the group that Black Forest also carries EcoPoxy, and Terry says his price is better).



The purpose of the pressure pot is to force the resin into all of the voids in the piece.

The pressure pot Lyle uses started as a paint sprayer pressure pot from Princess Auto. Lyle modified the pot with gauges, pressure relief valves, pressure valves and other fittings.

Lyle can pressurize the pot up to 40 PSI which he has found is sufficient for the work he does.

One of the things Lyle uses the pressure pot for is to put colored resin rims on some of his bowls.



First Lyle rough shapes the bowl and makes a recess for a tenon for mounting on his chuck. Then he hot melts thin cardboard to the piece to act as a mold. He mixes the epoxy, pours it into the mold and leaves it in the pressure pot for 48 hours. After 48 hours the epoxy has hardened and the piece is removed from the pressure pot, finish turned, and polished. To finish Lyle sands to 400 and then applies either Mirror Coat epoxy or two to four coats of wipe on poly.



You can do the same process without using a pressure pot. To get the bubbles out of the epoxy, use a propane torch lightly across the epoxy. The heat makes the epoxy thinner so the air can get out, and the bubbles "pop". The key is to only lightly use the torch.

Colour is added to the resin using acrylic paints, eposoxy dyes, pearlex, make-up from the dollar store, powdered metal, colored chalk. You have to watch if what you are adding is water or oil based, as different resins need different bases. Lyle and George said "Try a little and see what happens."

2 part epoxy resin cures through a chemical reaction and gives off heat as it cures. Sometimes a lot of heat, so be aware that there could be a fire hazard if curing too much at one time. Take the appropriate precautions.

Instead of a pressure pot, George casts resin with a vacuum system. The idea behind the vacuum system is that in the vacuum the air will all be sucked out, and the void left by the air will be filled with resin. It also pulls any bubbles in the resin out when casting. When George casts he uses Alumilite as it is crystal clear. He uses a number of different materials as molds.

George also uses stabilizers. The stabilizer he prefers is called Godfrey Wing 95-1000A. It costs about \$450 for 5 gallons. The stabilizer consists of 2 parts, but must be heated to set. The stabilizer once mixed can be stored up to 2 years in a fridge until it is used. George said that if anyone is interested in getting smaller quantities of stabilizer to contact him at [george@hrml.ca](mailto:george@hrml.ca) and he will work out a deal with them. The purpose of a stabilizer is to take a piece that would normally just fall apart and to cast it into a solid piece. Once cast the piece can be cut, turned, carved, etc. and it will still hold together as one piece.



## --- BREAK ---

### Caution when using Expoy and Resins

After the break Terry warned the group that some people react violently when exposed to resins. With repeat exposure all resins can be a serious skin irritant. To protect yourself use BOTH a barrier cream and rubber gloves.

Ecopoxy, unlike most other resins such as the West System, Mirror Coat, etc. is much safer to use than regular epoxy. Ecopoxy is made from soybeans, has better strength, better quality, and is an all round better product. It was originally developed for the air force for stealth airplanes.

Black Forest Wood Company recently started carrying Ecopoxy resins, hardeners and dyes.

### **RAFFLE AND 50/50 DRAW**

Dave Beeman (with help) did the raffle and several pieces of wood went with members to new homes. Emil Aresenault won \$100 in the 50/50 draw.

### **Charity Work**

Dwayne Sims informed me after the meeting that he is always looking for inventory for charity groups. The charity groups auction or raffle donated pieces to raise funds for the organization. So far this year approximately \$1,700 of product has been donated by Calgary Woodturners Guild members, \$480 at the last meeting alone.

### **THE END OF THE MEETING**

The meeting closed, and there were many helpful hands to help clean up. Thank you to all that stayed and helped.

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### **UNCLASSIFIED AD:**

#### **Woodturning Lessons: Hands-on woodturning lessons are now being given by Kai Muenzer at his**

NW studio. Classes will be individualized to your needs and tools will be available. You can find a few course examples at <http://www.kaimuenzer.com/about-me/> Contact Kai for preferred pricing and information at [muenzer.kai@gmail.com](mailto:muenzer.kai@gmail.com)

## Instant Gallery



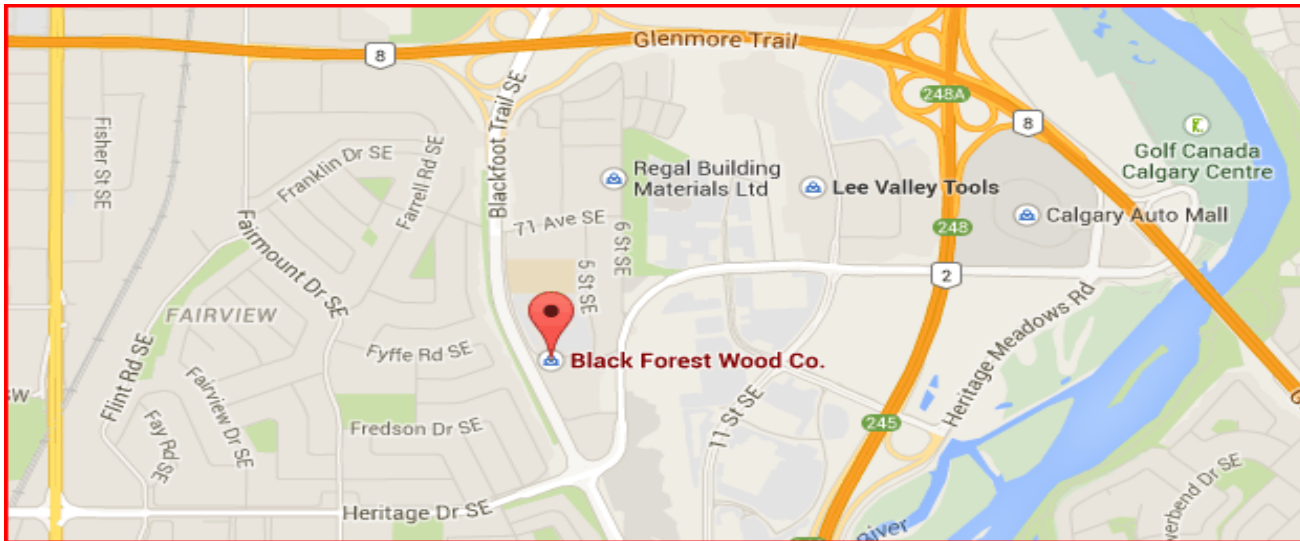






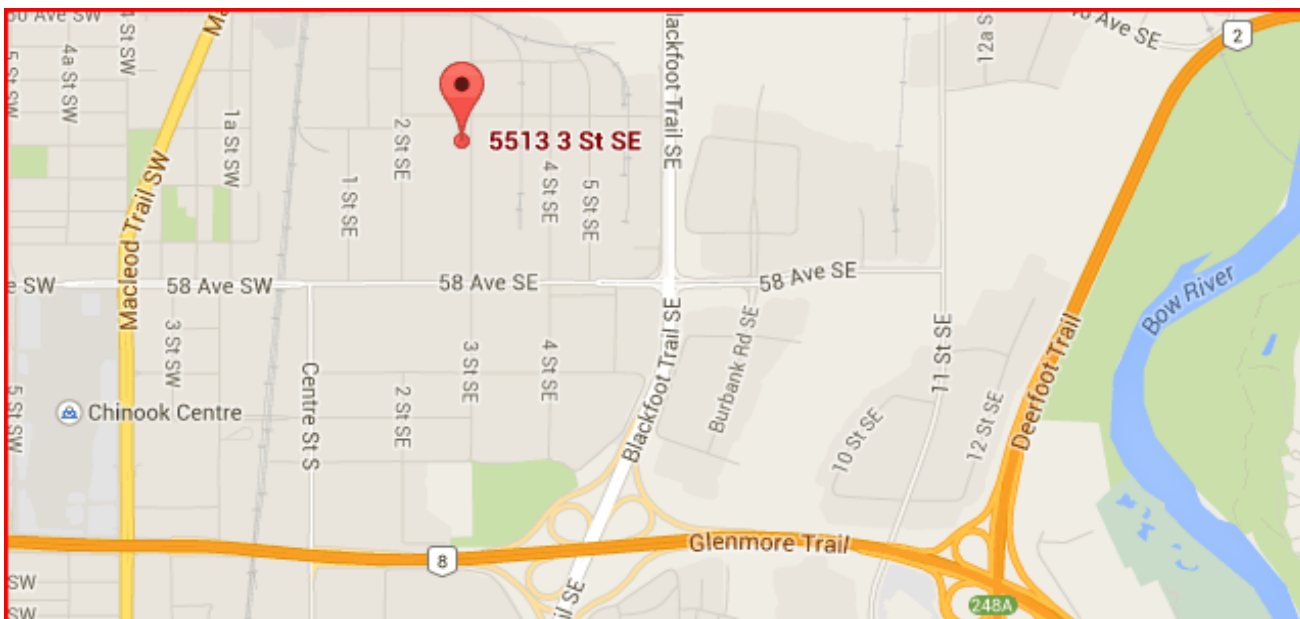
## Guild Meetings

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.



About the Guild...

### **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:	Graham Dolby
Raffles:	Dave Beeman
School Liason:	Jim Jones
Spruce Meadows Sale:	Kai Muenzer
Webmaster:	Sherry Willetts
Members at Large:	Jim Leslie, Vern Steinbrecker