



Carbide Turning Tools

Norm Olsen called the meeting to order at 7:00 PM.

We had two guests – Doug and his grandson Lee.

Neil from Saws invited everyone to the Saws Christmas social on December 12. The guest speaker would be Herm Stolte's wife talking about her recent trip to Bolivia.

Norm announced that Doug would like someone to take over the newsletter, and Albert is looking for someone to take over the organizing of the Sawdust sessions. Talk to Doug or Albert to find out what is involved in these positions, and then volunteer to Norm.

Steve Olson handed out cheques from the recent Festival of Crafts the guild participated in. 60% of the sales were for items under \$50, 10% were for items over \$200.

Dwayne Sims has charitable tax receipts for some members

It was move by Dave Beeman, Seconded by Kai Muenzer that we purchase and give Andy Lockhart a bottle of scotch to thank him for storing our trade show booth at his property. The motion was passed unanimously.

Albert announced that the next sawdust session would be hold on December 8th.

Carl announced that he was now accepting membership forms and money for the 2019 calendar year. See Carl at the break of before the meeting in January.

Bob Beckwith brought in a bunch of magazines and books that are looking for a new home. See bob and the selection at the break – no adoption fee required.

Carbide Turning Tools

Terry Golbeck starting the evening discussion about carbide woodturning tools with a brief history lesson. It used to be that you couldn't get as sharp an edge on a carbide tool as you could on an high speed steel tool (an HSS tool sharpened properly would always be sharper). That all changed about 6 years ago. Tungsten is a large component of carbide, and the technology has gotten where the tungsten in carbide tools has gotten finer and finer. Modern carbide tools are now as sharp as or sharper than high speed steel tools.

There are different grades of cutters. It all depends on the grade as to how sharp and how long the tool will stay sharp. There is a trade-off however– the sharpest carbide inserts are also the most brittle, so while they may be sharp to start with, they are be fragile and will wear quicker.

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The higher the grade of carbide, the shinier it is, and the sharper it is, but also the more brittle and fragile, and quicker wearing.

Carbide tools used to all be essentially scrapers with different shaped bits. Now some carbide tools have the cutter in more of a cup shape than a flat piece of carbide, and some tools are designed to present the carbide to the wood at an angle. These tools are more shear cutters (like traditional turning tools) than scrapers.

The prices of carbide tools are continuing to decline as more and more manufacturers enter the market. Hunter Tool Systems and Simon Hope woodturning tools are among the top grades of woodturning tools, but several cheaper no-name brands are entering the market and may be worth a look. The key parts of a tool are the quality of the carbide insert, and the holder (back bevel and support). As long as these are shaped properly and of good quality, the tools should all perform equally. Many are sold without handles or have optional handles that you can buy.

An early brand into the carbide tool market is Easy Wood tools. They are essentially a scraper, but are probably responsible for many new turners entering woodturning due to their ease of use.

One thing to note about carbide tools, the larger the carbide cutter the more sensitive the cutter is to grain direction. The smaller cutters are not as sensitive and produce smoother cuts on climbing cuts or on temper mental cross or end grain.

Ron Falkner talked about his #3 Hercules and #1 Osprey Hunter tools. The handles are sold separately (which is not uncommon with carbide tools). Ron really likes the larger Hercules for roughing work, and the smaller Osprey for finishing.

Greg Dahl also uses the Hunter carbide tools. Greg has had the same tool for years and has hollowed numerous vases with the tool. He has never had to change the carbide cutter as it is still sharp. Greg really likes the fact that he is not constantly having to sharpen the tool.

---- BREAK ----

After the break Wilf Talbot talked about his experience with Easy Wood tools. He saw a slick demo and bought one of the tools. Back at home he tried using the tool and "just made a mess of things". Then he tried the tool again on a piece that was more resin than wood. The tool worked great! He found he got best results by holding the tool level and flat on the tool rest. Don't wrap your hand around the tool as you will rock the tool. Instead, just put your thumb on top of the tool to keep it on the tool rest and keep the tool level. He also found it worked best cutting in arcs.

Graham Dolby has some of the Simon Hope tools that he purchased from Black Forest Wood Company. He really likes the tools. He bought just a curved tip and put it in his own tool holder

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(Graham mentioned he has been making his own tools for years). He really likes it for hollowing through a small opening.

Kai Muenzer has the Easy Wood carbide tipped parting tool. The carbide is slightly wider than the steel support. He likes it because he gets no burning, but there is a problem. If the parting tool goes on a slight angle the carbide insert will come out of the tool. Those tips are EXPENSIVE, and Kai stated he has spent way too long on more than one occasion looking for the carbide insert in all the wood shavings. Kai passed around a sample board he made up showing the difference of cuts made in hardwood and softwood with the carbide parting tool, a diamond shaped parting tool (HSS) and a Robert Sorby thin parting tool (also HSS).

Charlie Willetts makes his own parting tools using carbide inserts, high speed steel, and hacksaw blades. He finds he can get the high speed steel sharper and thus get better smoother cuts with the HSS, especially in softer woods.

Mike Swendsen has a complete set of Easy Wood tools. He finds them easier to use than conventional gouges and likes them a lot.

Dave Beeman did the raffle draw with help and many pieces of wood found new homes. Wayne Niddrie won \$90.00 in the 50/50 draw.

Instant Gallery



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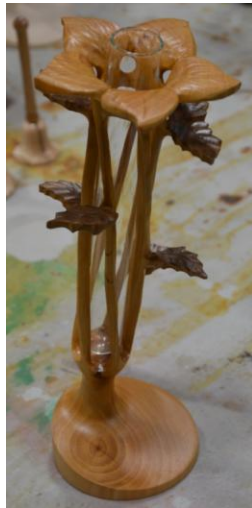


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About the Guild:

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:

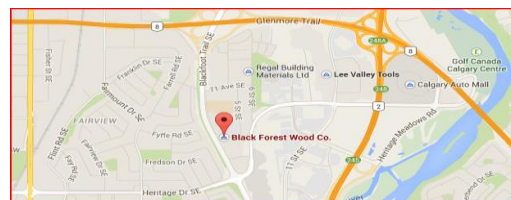
- To provide all members with a method of regularly exchanging ideas and experience in woodturning
- To promote safety in woodturning
- To benefit from group size in acquiring published resources and materials

FOR THE COMMUNITY:

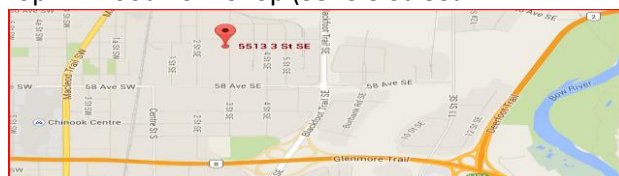
- To bring an awareness of woodturning to the general public
- To provide charitable benefits to the community

MEMBERSHIP DUES: \$30.00 per calendar year (includes newsletter delivered via email)

MEETING LOCATION, TIME, AND MAILING ADDRESS: 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, T2H 2B9. Visitors are 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 project on. Visitors are always welcome, and lunch is available for \$5.00 for those who work up an appetite and want to stay.



CLUB OFFICERS AND DIRECTORS:

President	Norm Olsen	Charitable Co-ordinator	Dwayne Sims
Vice President	Garry Goddard	Librarian	Carl Smith
Treasurer	Steve Olson	Membership Records	Carl Smith
Secretary	Doug Drury	Newsletter	Doug Drury
Director – Website Admin.	Sherry Willets	Photographer	Vacant
Director – Program Manager	Terry Golbeck	Public Displays	Graham Dolby
Director – Sawdust Sessions	Ken Kindjerski	Public Sales	Kai Muenzer
Director – Sawdust Sessions	Albert Daniels	Raffles	Dave Beeman
		School Liaison	Vacant
		Members at large	Jim Leslie
			Vern Steinbrecker