

# THE CHIP FLYER



## Golden Horseshoe Woodturners Guild - Burlington, Ontario

### *From the President's Notebook*

This month we are privileged to have Kurt Hertzog as our guest demonstrator. Kurt has been a yearly guest demonstrator and has never disappointed us with his presentation. For this visit, the topic of his demonstration is enhanced pens, a subject which he just presented at a week long tutorial at Arrowmont this past September. Kurt is a director of AAW and an accomplished presenter who has done demonstrations throughout North America.

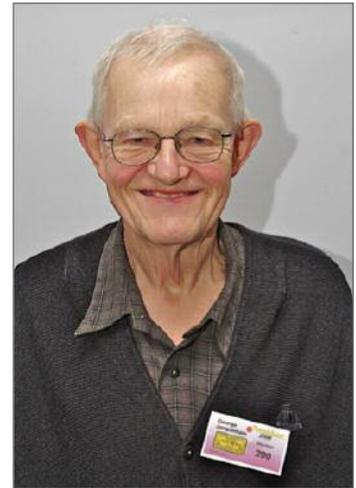
Hands-on will continue with two lathes dedicated to assist beginner turners. We plan to start demonstrating making of ornaments to get people ready to turn their Christmas ornaments. We will have a sharpening station so bring your tools and learn how to sharpen them. One lathe will be setup for wig stands and the others will feature more advanced projects.

Our main demonstration workshop this year will feature Cindy Drozda, an accomplished turner and outstanding presenter. The main workshop will be held on Saturday April 2 2011. The cost of this workshop will be \$40.00 and lunch is included. We are planning to hold two hands-on group workshops on Friday and Sunday the April 1st and 3rd. See Mike Brazeau to reserve your spot at

one of these group sessions. 6 places are available at each session. Cost will be \$ 125 per person. We are open to accept hosts for the hands-on.

Our wig stand project to supply wig stands to cancer patients who have undergone chemotherapy, needs your support. We still have 100 stands to go to reach our goal of 165 wig stands for the Cancer Society. Hardware to attaching the spindle, top and bottom will be available at both the hands-on and regular meeting. If you are unable to make a wig stand then bring the wood and someone will make one on your behalf so that you can be part of this project.

Our Christmas party this year is been held on December 9th the second Thursday of the month. As usual it will consist of a free buffet of sandwiches and desserts. We ask all members to bring at least two Christmas ornaments which will be distributed to attendees during the evening. Toys for needy children will be collected for the Burlington Fire Department for distribution. Our annual competition will be held, judged by your guest and winners will receive a ribbon. Tickets for our annual draw have gone on sale and will be drawn during the evening.



George Jacquemain

### Coming up

See [ghwg.ca](http://ghwg.ca) for more details

#### Oct 14th:

Hands On - Christmas ornaments and texturing

#### Oct 21:

Meeting - Kurt Hertzog, enhanced pens

#### Nov 11:

Hands on - Christmas Ornaments

#### Dec 9:

Christmas Party and Competition

## September presentation by Steve Kraus of Welbeck Sawmills

Welcome back to everyone for the start of another year of great wood turning.

Steve gave an excellent presentation on probably one of our most neglected pieces of machinery in the workshop, the dust collector. It is probably one of our last pieces that we purchase, if we do at all and it should probably be one of the first. The problem with them is that you can't build anything with a dust collector. The evenings discussion contained more info than can be conveyed here. If you would like to discuss setting up dust collection for your shop, give Steve a call at Walbeck Sawmill and he'll be glad to help you. Some more technical info can be gathered from the internet. A popular place to start is a web site set-up by Bill Pentz, <http://www.billpentz.com/>.

Steve started off describing the wide range of different types of dust we create, ranging from larger shavings, to the regular sawdust, down to the very fine sanding dust. The most problematic dust is that very fine dust that we can't even see. That is the dust that is in the 5-10 micron size and smaller. To put it into perspective, a human hair has a diameter of around 70 to 100 microns.

The main goal with dust collection is to try and catch chips and dust directly at the source. This could be done with one of the 3-4 styles of dust collectors, or protecting yourself from it with a personal filtering systems.



Dust and chip collection can be done with: a small shop vac, which moves a high volume of air quickly over a small area; dust collector or cyclones which move large volumes of air at a slower velocity, but greater area. The air born dust can be pulled from the air with separate air filters, or filtered out by your dust mask, and then you will need a broom to get the chips. Don't work without some sort of dust collection or filtering if you are generating dust.

The best way to get the chips and dust away from the tools is to have a dust collector or a cyclone style collector with good quality filters. The important factor with dust collector and cyclones is the volume of air that they can move over the given pipe size. This is normally reported in CFM's (cubic feet / minute), and can be measured differently by the various manufacturers. Many of the entry level machines start at about 650 CFM for uses on a single tool at a time. The larger the chip production, or number of tools expected to be used at once, will mean a dust collector with a higher rating. Shop vac's do not move large chips very well as the chips tend to tossel and plug the small piping.



The duct work connecting the parts together is very important while trying to move the chips and dust to the collector. The smoother then inside surface, the better. The piping needs to be strong enough to withstand the suction within it without collapsing as well as not have much in the way of air leaks. The way the ducting changes direction becomes another factor in how well the system performs. A 90 degree elbow in the line is equivalent to adding 6-8ft. of straight duct work, so broad sweeping wye (pronounced "Y") elbows are strongly suggested. The further from the collector itself, the smaller you need to make the ducting to keep the airflow high enough to keep the chips and dust entrained in the flow to not plug the piping.

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The best dust bags for the collectors are made of polyester felt as they collect down to 1-2 microns, below that you need to move towards the Hepa filters which will go down to 0.2-0.3 micron's. You can replace the bag style filter on some machines with a pleated filter to gain filtering surface area. A good dust collector is one that can draw in a large volume of air, chip and dust and collects the chips and dust within in the system.

You do not want the dust to be pushed back into the shop through the sides of the filter because it is too fine to be stopped.

Should a dust collector be out of the question then a good quality dust mask should be your goal. A mask that fits snugly to your face is much better than the paper disposable masks. The next step up would be a battery powered face shield with built in filtering.

Although all dust is considered hazardous, some is a lot worse than others. It can depend on the size and on the toxicity of the wood. Your body will trap many of the smallest particles and as they build up in your system, your body starts to try and dispose of it. This creates allergic type reactions you may notice after your day in the shop. Without protection from continued exposure, these reactions can continue to worsen and may become life threatening.

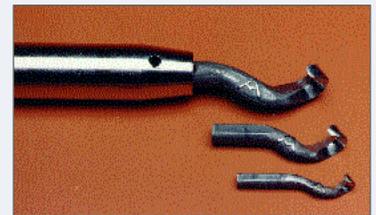
Morley McArthur



## Coming Events ...

### André Martel

Is tentatively scheduled to be in the Toronto area in late January 2011.  
Watch this spot for more details as they become available.



### Cindy Drozda



Coming to the Toronto area in late March and early April 2011.

We will be hosting a full day demonstration by Cindy on April 2nd, with 2 hands on sessions available for 12 people total on the 1st and 3rd. See Mike Brazeau about booking a hands-on slot if you are interested.



# Christmas raffle

Tickets are \$• 10.00 Each or 3 for \$25.00

- 1<sup>st</sup> Prize Stronghold Chuck
- 2nd Prize Talon Chuck
- 3rd Prize OneWay Wolverine & Vari-grind
- 4th Sorby spiral Micro tool
- 5th Hunter hollowing tool
- 6th to 15 Rough Salad Bowls
- 



## Web site News...

I have now gotten all but 4 issues of the Chipflyer back to the beginning (1996) onto the web site now. A special thanks to Frank Ditomaso and Len Collins for forwarding me all the older copies. I will post a complete set burned to a CD in the library.

If you notice your photo is not available on the web site, please see me at either the hands on or meeting night so that I can get your photo.

## Chip Flyer Sponsors....

**EXOTIC WOODS Inc.**

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### It is time to consider running for office of the guild Elections 2011

2nd Vice President open  
 Secretary : Leonard Kauffman will stand  
 Membership: Tim Hendry will stand  
 Chip and Web editor: Lloyd Butler will stand  
 Member at Large: Don Andrews will stand

It is important to join the executive to provide continuity. *The positions of President and 1st Vice President will be open in 2012.* The future of the guild is dependant on volunteers taking their turn on the board.