



SAWDUST & SHAVINGS

Dakota Woodturners Newsletter, Bismarck/Mandan ND.
Chapter #115 of the AAW



<http://dakotawoodturners.com/>

Issue 136

January 2009

TEN YEARS SERVING THE WOODTURNING COMMUNITY

The Prez Sez

I hope everyone had a great Christmas and hope you have a happy new year. This is an exciting time of year when we can make some goals and a plan for 2009. Right now, I am focusing on getting ready for the pepper mill demonstration at the January meeting. I will cover the conventional mill with the cap nut on top as well as the one with the ceramic mechanism. Detailed written instructions will be provided.

Our Christmas party is the evening of our January meeting. Dennis has made arrangements with the Eagles Club in Bismarck again. We will have a gift exchange and a short program. Hope to see you all there.

2009 should be a great year for our club. We have our spring symposium and have a demonstration in October lined up. Everyone will have opportunities to learn new skills and enjoy watching some professional turners.

Take care and see you soon.

Duey

UPCOMING EVENTS

2009 January 10th – DWT Meeting 9:00am BSC Wood Shop – Pepper Mills by Duey Marthaller, All day turning - Christmas Party in the evening 5:00 PM at the Bismarck Eagles Club.

January 13th – E-Board meeting 7:00 PM – Dakota Farms, Mandan ND

TURN-IN - OPEN SHOP

With the Christmas Party scheduled for the same day of our meeting the E-Board has scheduled an extended meeting running until 3:00 PM. Bring some wood, tools and work on any project you like. Maybe we can practice the Pepper Mill project that Duey will demonstrate. You may also want to give the Powermatic a spin.

CHRISTMAS PARTY

The annual Christmas Party will be held at the Bismarck Eagles Club on 26th Street starting at 5:00 PM. Dinner will be at 6:00 PM with a give-one get-one gift exchange and drawings. The menu will be Swiss Steak and Baked Chicken, Au Gratin Potatoes, Corn, Salad, Rolls and Coffee. **PLEASE CONTACT DENNIS BY JAN 2nd TO CONFIRM YOUR ATTENDANCE – BY E-MAIL OR 426-6485**

Ron Day sent a note saying he is planning on a spinning top challenge. For the challenge, each turner should turn a top and bring it to the party. The spinning tops will be judged on best looking top, best spinning top and the ugliest top that still spins.

If someone doesn't know how to turn a top, we will have the shop open after our meeting until 3:00 pm. So, everyone should be able to play. So, turn and test that top and then decorate it to the tops. – Ron Day

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Dakota Woodturners Club

Regular Meeting – December 13, 2008
Minutes

President Duey Marthaller called the meeting to order at 9:00am on December 13, 2008. 33 members and two guests were present.

Don Flath moved to approve the minutes of the November meeting as published in the newsletter. Ron Day seconded the motion, motion carried.

The treasurer's report was presented by Kelly Geir and accepted.

SHOW AND TELL

Kris Roberts brought in some poly sheeting and miscellaneous containers for the members to take.

Dennis Schwind brought in some platter styled coasters he was working on. He showed an example of one that ended up with a very thin bottom due to trying to mount the platter from the bottom by turning a recess for the chuck. Dennis explained how he resolved the problem by making a minor change in design to grip the piece another way to ensure a thicker bottom for the finished coasters.

Earl Setterlund brought in some ornaments and a large bowl. Earl explained how he finished the bottom of the bowl on his Shopsmith by driving the bowl with his sanding disk which he said worked very well.

Ralph Feland show a number of ornaments fashioned like thumb tops.

Weldee Baetsch brought in an ornament made from a Sea Urchin shell. He explained how he had to trim off the "horns" on the shell with a dental drill to mount the finials and icicles which he attached with hot melt glue.

Ron Day also had a Sea Urchin ornament with Cherry finials. He said finishes on the shells end up being dull, so he coats them with pearlized paint to give them more of a shine.

Dave Krumwiede had a Russian Olive bowl and a spalted Alder hollow form. He also showed the tooth pick holder which appeared in Wood Magazine on which he changed the dimension to 2-1/2 inches rather than the 3-1/2 inch measurement shown in the article which he said works much better.

Dale Hurt showed an ornament made from Plum wood.

Ted Livesay showed goblets from Diamond Willow and Paper Birch. He also had some ornaments made from found wood.

Larry Zubke showed a Butternut bowl, an acorn ornament and a lidded box. He also showed the sharpening jig and a Longworth chuck he made. He said he used the rubber feet from canes for the rubber posts to hold the bowls on the Longworth chuck.

Gordy Isaak had a very nice winged bowl from Maple. He also had a number of ornaments made from Box Elder, Bullberry, Badlands Cedar and some drift wood he brought back from Oregon.

Kris Roberts had an ornament from Walnut and Ebony on which he turned the globe perpendicular to the pith. He also showed a Badlands Cedar and Russian Olive ornament.

Steve Wolf showed an inside-out turned ornament from Blood Wood and Coco bolo and a couple of segmented ornaments which he said were made up of 242 individual pieces of wood. Steve also sported a tee shirt which had a saying which most wood turners could relate to – "So Much Wood - So Little Time".

Jim Helbing showed a number of bottle stoppers and pens. He also showed some ornaments in tree shapes which were colored green. He said he raided his wife's baking supplies and used green food coloring to color the ornaments. (Wonder whether Alice has heard of that one)

BUSINESS MEETING

Cliff Rime reported the demonstration he and Bill White did at Acme Electric in Minot went very well.

Bryce Hill donated a wheeled mechanics tool cabinet to the chapter to be used to store and secure the clubs tools. Thank You Bryce from all the members!

Kris Roberts reported the new books and DVD's for the library have arrived and showed them to the members. They will be cataloged and then be available for loan.

Kris also reported the demo at the Gateway Mall will probably not be held.

Duey Marthaller commented on the Who's who article that appears in the newsletter is very good in that it allows the members of the club to get to know each

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other better.

Weldee Baetsch reported the Post Office box has been rented for one year. The number is PO Box 243 with zip code 59502. Two keys are available which will be turned over to the E-Board who will decide who will check for any mail.

Ron Day said he has the tool order available for pickup today. There were a couple of items on back order and a couple of items were no longer available.

Weldee reported he, Duey and Ron met with BSC and toured the rooms that will be used for the Symposium. The rooms are at the west end of the building and are all together in a group and should work nicely for us. Plans for the symposium are in progress and everything is coming together. Kris Roberts said he spoke with Dave Jensen at Roughrider Hardwoods and that he would like to set up a booth at the symposium again this year. Kris also mentioned Roughrider has a 20% discount on all hardwood turning stock through the 31st of December.

Kris Roberts and Norbert Berning have been reviewing the bylaws but are not yet ready to make recommendations to the E-Board.

Dennis Schwind reported the Christmas Party is set at the Bismarck Eagles Club for the evening of January 10th. The cost of the meal will be \$13.00 per plate. The E-Board will work out any remaining details on Tuesday. Approximately thirty-six members indicated they would be attending. Dennis said a final count will need to be given to the Eagles by Friday January 2, 2009, so please let him know if you plan to attend if you were not at the meeting. There will once again be a give one – get one gift exchange at the party. Ron Day said he would be planning a program for the party.

Items for the Mandan Band Fund Raiser will need to be turned in not later than the March meeting and will be accepted earlier. Items can be brought to the meeting or dropped off at Mandan High School.

Ken Ness said he received a comment from one of the residents on Washington Street who received one of the bowls donated by the DWT's. They were very pleased with the bowl and wished to express their thanks to the club.

Dennis Schwind requested members to submit articles for the newsletter. Any article which pertains to woodturning or comments and suggestions on club operations would be welcome and assist in improving the content of the newsletter.

Election of Officers; Weldee Baetsch on behalf of the

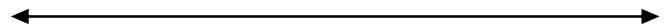
nominating committee placed the following names into nomination. Ken Ness for Secretary, Larry Nelson and Francis Streifel for Treasurer, Joe Sickler and Ron Torgerson for member at large. President Marthaller requested additional nominations from the floor. Rick Drown moved to have nominations cease and call for the election. Dave Krumwiede seconded the motion, motion carried. After the votes were tallied, Ken Ness was elected Secretary, Larry Nelson was elected Treasurer and Ron Torgerson was elected as member-at-large.

The program for January will be on Pepper Mills by Duey Marthaller, February will be on air brushing by Jack Klein and March will be decorating by Alice Berning.

Ron Day and Duey Marthaller reported on the Pride of Dakota show in which they participated. 5700 people attended the show on Saturday. Sales were good, although items that sold last year were slow this year and other items seemed to be in demand. Tastes seem to change year-to-year.

With no other business to come before the meeting, the meeting adjourned to the "Tool of the Month" by Duey on the Bowl Gouge and the program on Buffing and finishing by Ron Day.

Dennis Schwind,
Secretary



Executive Board Minutes
December 16, 2008

The regular meeting of the DWT E-Board was called to order by President Duey Marthaller at the Dakota Farms in Mandan, ND on December 16, 2008. Board members present; Duey Marthaller, Alice and Norbert Berning, Kris Roberts, Ralph Feland, Ron Day and Dennis Schwind. Members present; Weldee Baetsch, Larry Nelson and Don Flath.

Duey Marthaller expressed the Clubs appreciation to Bryce Hill for donating the tool cabinet to the Chapter. He also expressed his thanks to the nominating committee on doing a fine job on the election.

For the January 10th meeting the BSC facilities will be rented for the entire day and members will be encouraged to stay for a turn-in or just hang around and visit and discuss wood turning topics. Members can bring a sack lunch, order in lunch or go to any number of the fast food outlets in the area. The Powermatic will be available for everyone's use as well as the mini lathes and sharpening equipment.

Weldee Baetsch reported there will be a change in the fee



WHO

Norbert Berning reflects the work ethic of boy you can take off the farm but you can't take the farm out of the boy. One of his enjoyments is visiting with active and retired farmers....especially those who are members in our club.

Berning, along with his wife Alice, has spent most of his life in education. He has enjoyed various academic positions in Illinois, Montana and at the University of Mary in Bismarck, ND.

Norbert and Alice joined the DWT in 2000. They are also members of the AAW. Norbert is perhaps the oldest non-turning member – to date he is not been able to present a success or a failure during the Show & Tell monthly meeting agenda.

He and his wife are steeped in craft hobbies and minor furniture repair, which he maintains, is commensurate with his scab labor level woodworking ability.

The Bernings have one child, a son who is on the teaching staff at New Mexico State University.

ANONYMOUS

schedule at BSC. The rate will increase to \$40.00 per four hour session and \$75.00 for all day. The symposium rooms will cost the Chapter \$75.00 per day. Dennis Schwind moved to authorize Weldee to contact BSC and negotiate and prepare the draft contract for the symposium. Ron Day seconded the motion, motion carried. In addition the club will check with BSC on providing lunches for the symposium, which Weldee noted may be mandatory with the new fee schedules.

Further discussion was held on the symposium with Duey suggesting we take a look at the format done by the Billings, MT club last year consisting of the hands-on and demonstration only tracks. After a lengthy discussion it was decided not to change our format at this time in that the number of demonstrators would have to be even and being our format has been successful so far.

Discussion on a fee schedule for the symposium followed. With two of the demonstrators charging \$300.00 per day and one charging \$500.00 per day plus expenses, Kris Roberts moved to set the registration at \$120.00 per participant. Alice Berning seconded the motion, motion carried. Ron Day said he will work on preparing the brochure which will include the registration form. Kris Roberts suggested we encourage early registration starting in January.

The menu was set for the Christmas Party with a price of \$13.00 per plate including tax and tips which will be payable to the DWT's who will in turn write a single check to the Bismarck Eagles Club. Social hour will be from 5:00 pm to 6:00 pm with the meal and program to follow. A give-one get-one gift exchange will be held along with some drawing for Craft Supplies gift certificates. Ron Day will work on a program and has the raffle tickets. Duey Marthaller said he will take care of the name tags.

Weldee Baetsch presented a bill in the amount of \$60.00 which he paid for the post office box rental. Kris Roberts moved to approve the payment. Ron Day seconded the motion, motion carried. Weldee Baetsch said he makes regular trips to the post office and would be willing to check the mail box. It was approved to have the mail box keys assigned to Weldee and Secretary Ken Ness.

Ron Day asked how we keep track of membership renewals and how they are documented. It was suggested we have a short renewal form so members can note any changes of address, phone numbers or e-mail addresses and to also issue receipts for membership dues collected.

With no other business to come before the meeting, the meeting adjourned at 8:40 pm.

Dennis Schwind,
Secretary

STEEL USED IN TURNING TOOLS A PRACTICAL GUIDE

The main component of steel is iron, usually over 90 percent. Steel also contains carbon and other elements. Carbon is the material that has the greatest effect on the properties of steel. The hardness and strength of steel increases as the carbon percentage is increased. Unfortunately, the steel also becomes more brittle. A small amount of carbon makes the steel softer and more ductile (able to be shaped without breaking), but also weaker.

By experimentation, elements were added to steel to find the ones that would chemically bond to the iron and carbon and create steel with greater strength. Also, the new steel needs to be ductile and maintain its strength at high temperatures. The main elements used in these high-strength steels are chromium, tungsten, molybdenum, vanadium, and cobalt. In addition to these elements, the steel must also be heat treated to acquire high-strength properties.

The right combination of iron, alloying elements, and heat treatment led to steel that had high strength, high surface hardness, and did not lose its strength with high temperature. This steel is called high speed steel, HSS, because it could cut at high speeds and not lose its strength. The first high speed steel was called T1.

The letter "T" was used because the main alloy element was tungsten. Tungsten is expensive and in short supply. During World War II, molybdenum was substituted for tungsten and the M2 high speed steel was created. This is the steel used in quality turning tools.

The designation M2 refers to a specific grade of high speed steel. Other common grades are M7, M35, and M42. Look for the M2 designation in purchasing any cutting tool.

The ASP 2030 and ASP 2060 steels are superior to even the HSS M2 steel. The designation APS refers to the Asea Stora Process where powdered elements are mixed, put under pressure, and heated for a period of time. Under these conditions the elements self weld and create a very strong and heat-resistant material. These steels are used to create turning tools that hold their edge longer than HSS tools.

Cryogenics is the study of the effects of very low temperatures on the properties of matter. Steel exposed to very low temperatures for a period of time will show increased strength and hardness. Henry Taylor offers turning tools under the Kryo trade name. These tools are made from HSS that is treated by exposure to very low temperatures.

Duey Marthaller

Attached are pictures of the Longworth chuck I made. Below are the web links I used as references while making this chuck.

http://www.woodcentral.com/articles/turning/articles_485.shtml

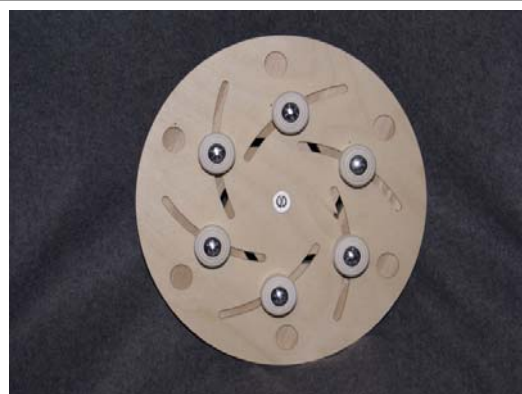
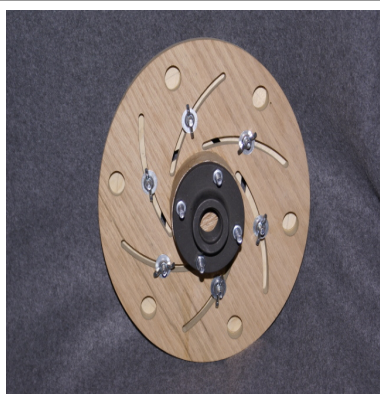
<http://www.morewoodturning.net/longwrth.htm>

<http://www.cwoodturner.com/longworth/>

<http://www.woodworkingtalk.com/f6/longworth-chuck-2752/>

<http://www.sawmillcreek.org/showthread.php?referrerid=5960&t=76655>

Larry Zubke



SCHEDULE

Web Site - <http://dakotawoodturners.com/>
Send inquires to - Info@dakotawoodturners.com

January 10, 2009 Regular meeting @ BSC 9:00 AM
January 10, 2009 After Demo -Turn-in tryout the new lathe
January 10, 2009 Christmas Party at Bismarck Eagles Club
5:00 PM
February 14, 2009 Regular meeting @ BSC 9:00 AM
February 17, 2009 E-Board Meeting 7:00 PM @ Dakota Farms

FOR SALE

Dakota Woodturners
% Dennis Schwind
500 Stuttgart Drive
Bismarck, ND 58504



MAIL TO:

ADDRESS CORRECTION REQUESTED

