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# DAKOTA WOODTURNERS

## Sawdust & Shavings

### Newsletter

AAW CHAPTER #115



JANUARY 1, 2001

Issue #41

## !! MEETING NOTICE !!

**JANUARY 13, 2001 - 9:00 AM**

**REGULAR MEETING - MANDAN HIGH WOOD SHOP**  
**Presidents Challenge for JANUARY - BALL THAT ROLLS TRUE**

**9 AM ASSORTMENT OF MINI LATHES TO TRY**  
**BRING SMALL TOOLS AND PROJECTS**

**10 AM Regular Meeting**

**10:15 AM HANDS-ON until noon.**

### "SHOW & SHARE"

PAST PRESIDENT WARREN who was filling in for absent Pres. HILL and VP POLLOCK asked for any items to "Show & Share".

WELDEE BAETSCH showed his Snowman he turned for this months challenge. It was small like an ornament. He expressed difficulty finding small screw eyes for his ornaments. PAT SCHWEITZER suggested H&L Sharpening as a source he has used. BOB PEDIGO has used fish hooks and fly fishing eyes. Use caution when cutting the sharp barbs free, they're not worth a trip to the ER to remove. WELDEE also presented us with two more video tapes he has edited from the Provo, UT Symposium in May. He also had a supply of 1 1/4" PVC plastic tubes for anyone's use. He suggested tool holders as one use.

EARL SETTERLAND followed with his Snowman. Last month EARL turned several hollow ornaments, this month he made a 4" hollow ball with a dried pea inside to prove it hollowness. He also shared his experiences turning a natural edged bowl with a flaw in the wood that he had difficulty working around.

DUNCAN added that flaws are a great place to start and learn to work around. Some of the best pieces shown at Instant Galleries started out with a flaw and depending upon how good of a job you do on it, it can add value to the finished piece. EARL also commented on his experiences in changing the belt on his Shopsmith lathe. He says if you don't already know how your machine is put together its one way to learn. He was asked if he learned some new words to go with his lathe. His reply - N.C.

KELLY GEIR took a different approach to the challenge. He made his snowmen into candle holders.

LEONARD LARSHUS also showed his snowman. He also showed and told us about an index he has made about articles that are of interest to him and that he has read about in the AAW Journal. He will share the list with anyone interested. He will give a copy to the librarian. This list can be a great help to anyone who doesn't now belong to the AAW and must rely on the Public Libraries or borrowed copies.

LENARD RESSLER showed some alder wood he got in trade from Gene Barton from Seattle in September. He found it to be very soft and appears to have some spalting occurring in it's grain. He also shared his experiences turning a ball. He had a shop made cup chuck to hold the ball while turning its spigots off. He suggested purchasing an inexpensive contour guide as a guide to exact roundness. He had on display a 1936 small lathe he purchased for \$10. It has a small Table Saw attachment in addition to the lathe. Very unique. Maybe an early version of a Shopsmith? It was suggested that he show it during show demo's in the future.

JIM FINE asked if anyone had any experience with "Gorilla Glue", especially getting it off your hands afterwards. He was advised to always wear rubber gloves. If it gets on your hands acetone will clean it

\*\*\* You have to be grown up to realize that you are only young once - upon a time \*\*\*



off. Someone suggested leaving it as a skin protector such as "Tuff Skin". Amputation was another option he didn't like. DUNCAN commented that with this glue and its related polyurethane glue you need to apply water to one surface and the glue to the other. It is a very superior waterproof glue but has its problems with its clean-up from your hands and tools. (Watch for a future article that will cover my experiences with glues and adhesives. Ed.)

ART TOKACH led off the sharpening class with a demonstration using a common bench stone. The different types of stones were shown. He showed how to clean a stone before use because he likes to work on a clean stone. He told that there are three steps to a Keen Edge.

#1 - Shaping the initial bevel.

#2 - Honing or refining that edge.

#3 - Stropping the blade so it will pass through the wood easier. The honing step is the one most often used for kitchen and hunting knives. It leaves a Micro Serrated edge allows easier cutting of fibrous material. Stropping is usually only done by barbers and woodcarvers.

As usual ART ran over and cut into BOB PEDIGO'S time. BOB's demo covered Machine Sharpening and Stropping. He sells the parts and instructions for making a "Super Strop". He shared tips on testing a tool or knife for sharpness. He recommended that you look directly at the cutting edge and observe if any light is reflected from the edge. A dull edge will reflect light in the form of a white line, while a sharp edge will not.

TONY MARTIN followed with a display of "Diamond Sharpening Stones". He also shared a handout with all present. He said that any of these products are available through "Acme Tool Crib". He recommends using only water and soap to clean Diamond Stones. He does not advise using any hydrocarbon degreasers to clean Diamond Stones as it will attack and soften the plastic matrix the diamonds are embedded into. Because of their steel backing they are a once in a life time purchase. They come in multiple grits and can be mounted on a universal holding devise.

If ifs and buts were candy and nuts, we'd all have a  
Merry Christmas

## REGULAR MEETING MINUTES

DUNCAN called the regular meeting to order at 10:30 AM. There were 21 members and 4 guests present. TOM CHRISTENSEN, & DAVID BARTH both from Bismarck, Dave later joined our club. KEN WEBER from Minot & TED LIVESAY from Garrison. At the Acme Tool Days we collected 12 names and all were called on Thursday evening 10 were at home and responded that they would like to attend - only Dave showed up. A big disappointment. They will be contacted again with the symposium information.

It was moved, seconded and passed to waver the reading of the previous meeting minutes.

DUNCAN asked ART TOKACH for a clarification of a new program we are considering, MENTORING. The plan is to bring new members up to speed so they will not feel left out at our meetings and upcoming symposium. We need some names of interested members both for mentors and students.

After reading the list of nominee's DUNCAN asked for any additional names from the floor. No names were offered. With no opposition for any office it was moved, seconded and passed to direct the Secretary to cast a unanimous vote. Therefore there will not be any need for a recount.

KELLY GEIR was elected to the Treasurers position. The program committee of WELDEE BAETSCH, LENARD RESSLER & PAT SCHWEITZER were elected. WELDEE was chosen as their leader.

ART TOKACH was elected to Secretary/Membership. All of these positions are effective January 1, 2001 and will run for two years until Jan. 2003.

DUNCAN reported that the DAKOTA WOODTURNERS SYMPOSIUM will be held April 20, 21,&22, 2001. We are waiting for confirmation of ALAN LACER, RUSS HURT, AND BONNIE KLINE. At the present time DUNCAN has been contacting these turners. Additional volunteer personnel will be needed on the working committees.

MANY HANDS MAKE THE JOB EASIER FOR ALL.

Life is hard by the yard, but by the inch, life's a cinch  
PAGE TWO



We were told more of the details about the SOCIAL NIGHT AT THE ELKS. ART TOKACH will ask each person at this meeting if they intend to come and their choice of food. 14 responded favorably with 24 persons attending now. The others needed to check with their spouses. All who have not R.S.V.P.'d can do so with BRYCE HILL@ 255-6315 before Jan. 4. The meal choices and costs are as follows; We will be seated in the Upper Dining area.  
A - Prime Rib = \$12.95, B - Baked Cod = \$11.95  
C - Chicken Kiev = \$9.95, D- Sirloin Steak = \$10.95  
Tax and Tip not included.

If you are bringing a TURNED GIFT for the Exchange, Please register your name with ART TOKACH for the drawing. Wrapping optional! To receive one - you must give one!!

Pres. HILL's January Challenge will be to turn a round ball. The size and wood are optional. Ability to roll is not.

The February Challenge will be a "Fly House" turned using a wooden #2 Morse Taper Jam or Cup Chuck. If the member does not own a lathe with a Morse taper they can fashion a jam or cup chuck to suit their lathe.

Members are again reminded about the July 6, 7 & 8, 2001 National Symposium in St. Paul, MN. In the near future the National office will be asking for volunteers as assistants to the turners who will be demonstrating. We will keep reminding you and will forward any names presented to us. This Symposium will never get any closer to our area. You should make plans to attend, THIS WILL BE A ONCE IN A LIFETIME TURNING AND LEARNING EXPERIENCE.

The "Bring Back" was won by RALPH FELAND. DUNCAN had turned a small Natural Edged bowl. Ralph will now turn a gift to be drawn at the January meeting on Jan 13th. Other names drawn but not in attendance were Gary & Helen Just, Leroy Boespflug & Jim Vandenburg.

The demonstrators also used the drawing slips to give Jim Fine a Pocket Ceramic Sharpening Stone from Art Tokach. Duncan Warren won a "E-Z Strop Stick" from Bob Pedigo. Kelly Geir won a Folding DMT

Diamond Stick from Tony Martin. Thank You demonstrators for your gifts and your work for the class.

Business Meeting adjourned at 10:50 AM.

During the "Hands-On" portion PAT SCHWEITZER & LENARD RESSLER were busy showing how to turn "Wee Things". On a 12" plate, Lenard had a display of about 20 small turnings from various materials including some stone and horn. He suggests a good exhaust system and very sharp tools and the ability to keep them that way.

The pile of hardwood lumber that LENARD received from a Bismarck cabinet maker was all taken. LENARD wants to thank those of you who took the wood, Happy Turning. Bring something back for Show & Share when you finish it.

BOB PEDIGO & TONY MARTIN were kept busy helping those who brought their knives for sharpening, get a sharp edge on them.

ART TOKACH checked in & out several video tapes in the Librarians absence. He also asked those present about their R.S.V.P. for January 6, 2001 Dinner.

## E- BOARD MEETING - DEC. 11, 2000

BRYCE HILL, KELLY GEIR, PAT SCHWEITZER, LENARD RESSLER, WELDEE BAETSCH AND ART TOKACH met at 7PM at the Dakota Farms Restaurant.

The main topic was to begin planning for the April Symposium. The date chosen is April 20, 21 & 22 2001. The weekend after Easter. The April meeting which falls on Easter might be canceled.

The instructors will be ALAN LACER, RUS HURT from last year. New this year will be BONNY KLEIN from Seattle. We hope to have a satisfactory rotation established so each person will get equal time with each instructor. We also hope that each member will team up before hand with another member and share a small lathe. The cost will rise to \$100. Each of the Instructor Turners are will schooled and will share a lot of their knowledge. MARK YOUR CALENDER AND BEGIN PLANNING TO ATTEND.

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As is custom an Auditing Board will be asked to review and OK the outgoing Treasurer's books. Because all officers must belong, new Treasurer, Kelly Geir has agreed to join the AAW.

At the next meeting the Program Committee will have four Small Mini Lathes set up for anyone to try during the Hands-On portion. The lathes will be a Nova Mercury Lathe, a Delta Midi Lathe, The Mini Jet Lathe, and a small Ryobi Lathe. You'll be able to try each out with no sales pressure. The owners will be there to tell their likes and dislikes of their machines. Members are asked to bring their small lathe tools for these demo's.

BRYCE will have a video of Mark St.Leger at the January Meeting to showcase the February Challenge - "A Fly House". We've all seen the Miniature Bird Houses that are small like Ornaments. Well, this is even smaller and has a novel story to go with it. It will pay to come early to view this video before the "Show & Share". An addition to his challenge will be the turning of a "Cup Chuck" that could be used to turn a ball.

### GREETINGS FROM THE PREZ

We are now ready for the New Year of 2001 to begin. The first year of the New Millennium is now behind us. What a great year 2000 has been for the Dakota Woodturners. Space does not permit me to recognize each individual for their contribution this past year. I want to thank each demonstrator for their participation and sharing of their turning skills. Each month has been special and our programs have been truly outstanding.

A special thanks to Russ Hurt and Alan Lacer for a truly inspirational Symposium in April. Each had their special way of helping our group understand various techniques. Our Symposium was a model that I hope others will follow, specifically it was primarily a Hands-On for each participant.

Plans are now in the final stages for the 2001 Symposium. Russ Hurt, Alan Lacer and Bonnie Klein will be our demonstrators and the format will be the same as last year, Hand-On. We are delighted that Bonnie Klein will be joining us and look forward to another Great Symposium. The dates have not been

finalized but hopefully in April 2001. I'll keep you posted and up to date.

I would like to thank WELDEE BAETSCH for the contribution of Video's he took and made available to the Dakota Woodturners. His photography and production skills were fantastic. I hope each one of you will take the time to view each of the video's he took at the 2000 Provo, Utah Symposium. From the Officers and Member of the Dakota Woodturners, Thanks WELDEE for a job well done.

Seems like this is the time to thank others who have served us as well. We elected one new person, KELLY GEIR, to the E-Board and Treasurers Office.

To BOB (STUBS) GRUMAN, THANK YOU for your contribution as treasurer for the past two years.

PAT SCHWEITZER has been our Program Chairman for the past two years and has asked for help to continue to bring our members an interesting and educational program each month. Former VP LENARD RESSLER and Member at Large WELDEE BAETSCH have responded and will assist him for the next two years.

ART TOKACH will continue as Secretary but has asked to be relieved of the Membership duties early in 2001. We are currently looking for a member to fill this important position.

Don't forget our Woodturners Dinner on January 6, 2001 at the Bismarck Elks. This is a special night as our Spouses will be joining us. Please remember to turn a Gift for The Exchange. At this time it looks like we will have about 30 Members and Spouses for Dinner on Jan. 6th. There is room for more. You have until Jan. 4th to call me At 255-6315 and R.S.V.P. your attendance.

By the time you read this you all should have had a Blessed Christmas and are looking forward to a Happy New Year. I hope to see you on January 6th at the Dinner and again on Jan. 13 for the meeting.

BRYCE HILL, President

P.S. I'm writing this article on a flight to Minneapolis for Christmas. I hope it arrives in time for the Newsletter. I still don't know what happened to last months article, Art says he never got it. So much for the Postal Service at Xmas time. PAGE FOUR



## FUTURE CHALLENGES

In the July 2000 issue a Short List of Challenges was shared with you. President HILL introduced the first Monthly Challenges in September and you members took full advantage of the challenge and brought back to the October meeting a wide assortment of Toy Tops. Most were of different designs and showed your individual tastes and ideas in Turned Toy Tops. And the good part was we had fun with them at the meeting. I hope everyone had fun with a child also.

Along with the "Show & Share" portion, these challenges have become a successful part of our meetings. When we first started these challenges, we planned each of them with a well intended motive. (ie. Spindle turning &/or faceplate turning.)

The Program Committee and President HILL would like you to review the list again and let them know what you would like to do in future meetings. I'm repeating the list as a reminder of some future challenges could be. Those crossed out could be used again if members desire. The list is only a starting place

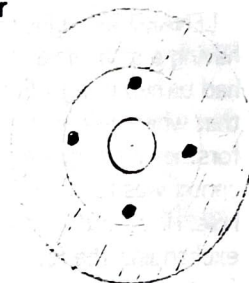
### A Short List Of Challenges:

- ~~A SPINNING TOP TOY, Powered by String or Fingers.~~
  - A WORKING YO-YO.
  - ~~A FLOWER VASE &/or a WEED POT.~~
  - ~~CHRISTMAS &/or EASTER ORNAMENTS.~~
  - ~~A TURNED EGG &/or EGG CUP.~~
  - A WOODEN PLATTER &/or PLATE.
  - A SEGMENTED TURNED ITEM - your choice.
  - A STAVE CONSTRUCTED ITEM - your choice.
  - A HOUR GLASS or EGG TIMER.
  - ~~A NATURAL EDGED BOWL.~~
  - A TURNED WHISTLE
  - A LIDDED BOX
  - A TURNED KITCHEN UTENSIL (honey dipper, rolling pin, nested salad bowls, salad servers, pasta server)
  - A TURNED LETTER OPENER
  - A WOOD TURNED QUILTERS THIMBLE
  - A TURNED BABIES RATTLE- HOLLOW OR RINGS
  - ~~A TURNED CROQUET Mallet & BALL that rolls true.~~
  - TURNED GAVEL
  - MINIATURE BIRD HOUSE WITH PERCH
  - FLY &/OR 'SKEETER' HOUSE
  - TURNED THIN STEM GOBLET WITH A CAPTURED RING
  - GOBLET WITH A TWISTED STEM
- We welcome any additions you may have.

## FACEPLATE TURNING TIPS

LENARD RESSLER passed this tip along about a year ago. I found it in an old Symposium Portfolio.

He advises that when you screw the faceplate to the back of your wood blank make sure that the screws don't enter the same grain line. The screw acts as a wedge and will force a weak grain line to open and eventually fail. Usually at the wrong time. Drill pilot holes before you attach the faceplate.



DUNCAN WARREN feels that the purchased faceplates don't have enough holes for him. He drills twice as many holes in his faceplates for safety sake. He wants the screw to fill the hole and enter the wood about an inch. His preference is 1/4" lag screws. Larger if the wood demands it and the lathe can handle the work piece. He can put a 7/16" wrench on it to really tighten it to the faceplate. He checks them for tightness after clearing away any out of round material and any chances of a catch. It's smooth, worryless cutting after that.

PAT SCHWEITZER NEVER uses sheetrock screws to attach his work to a faceplate. First of all they are made too small for the work they are holding. Second they are made of hardened steel and will snap if a tool catches the work piece. All you need is to have a wild bowl careening out of control toward your head to wake you up or clear the cob webs from a inattentive mind. He prefers pan headed sheet metal screws. They have deep threads for digging into the wood. You can tighten them tighter because the threads go right up under the pan head. It's best to drill a pilot hole.

RUS HURT showed us through example at the 1999 & 2000 Symposiums how he uses "Super Glue" to hold the work piece, attached directly to his flat faceplate. He also keeps his tailstock, equiped with a live center, in contact with the work piece to hold up the weight of the wood and prevent it from tearing off if the work catches during turning. He keeps it there right up to the final cut where he used his skew to slice the supporting nubbin from the bowls inside.



It takes a lot of practice to do it as skillfully as he does it. But, he's had a lot of practice doing it, which you can also gain in only one way.  
**PRACTICE, PRACTICE, PRACTICE.**

LENARD RESSLER found a solution to his problem of having a small hole in the bottom of his bowl that he had turned using a Penn State Collet Chuck. It seemed that when he drilled the mounting hole, with the forstner bit they provided, the guide spur in the center was too large and that's what caused the small hole. He solved it by stopping short of the bottom and exchanging the forstner bit with another modified forstner bit with the tip ground off. He now has a flat bottom mounting hole without the fear of cutting too deep and having a small hole. Now all he has to worry about is running into the big hole!!

(I suggested he modify a less expensive spade bit by grinding off the point and resharpening it. Ed.)

ART TOKACH uses waste wood glued to Kraft paper and then onto the back of the work piece. That combination is then wood screwed to a faceplate. The ratio of bowl size to the waste wood disc is about 1 :: 2. (ie. a 4" disc of waste scrapwood to an 8" bowl. Make sure the wood is very flat where they join and that the glue is distributed fully on both surfaces of the paper. Allow the glue to dry overnight under pressure before attempting any turning. Very little clean up work is required to the bottom of the bowl to make it presentable. There are NO holes to fill. Just turn it over and mount it on a jam faceplate to clear the paper and glue from the bowl. Power sanding doesn't work as good as a scraping tool. There always seems to be a little wobble when you sand only.

## YOU CAN MAKE A LIGHT DUTY FACEPLATE

At your favorite hardware store purchase a standard steel nut of the appropriate size and thread for your lathe. (ie. Craftman, AMT, etc. have a standard 3/4" -16 Fine Thread). Drill a hole and inset the nut into the center of the wood you've chosen. I measure across two opposite flat faces to determine the size hole to drill. I drill the hole using a forstner bit or a spade bit. Mark the hex corners and with sharp flat chisel cut them away. The tighter the better but leave some room for the epoxy. Place a piece of masking tape over the thread hole and mix some two part epoxy and glue the nut in.

When the epoxy has set, mount on your head stock and turn and true the faceplate to what ever size suits your project. You can attach it to the work piece with screws or use kraft paper and glue as previously mentioned. The surface can be renewed easily with a flat scraper.

## GOLDEN MEAN PROPORTIONS

LENARD RESSLER shared this bit of information that he found in an old magazine. Like many of us he often wondered just what is the "Golden Mean Proportions" of a turned bowl. He found out that it is a ratio of the bowls top diameter to its depth or thickness. Also its base diameter to its depth.

Confused? Well, take the thickness of the blank, 4", and multiply it by 1.625 (1 5/8) to get the 6 1/2" ideal diameter of it's top.

Next take the same thickness 4" and divide it by the same 1.625 to get the ideal diameter of the base of 2 1/2".

Now all you need is to apply it to your next bowl.

It usually takes less time to do a thing right than to explain why you didn't.

## NO ONE HAS EVER LEARNED TO WRITE WITHOUT PICKING UP A PENCIL.

That's a fact of life.

Then WHY? do any of us feel that we will learn to turn wood by watching a video of someone else doing it or to read about how the author has made a turned wood project. However, at every meeting we see very few people take a tool in their hands to show what they already know or conversely where they need the most help. While a person cannot learn without doing, an instructor can't help if they don't see what the person is doing wrong, it's a two way street.

Our Hands-On Program, while very successful has been very Under Used. Could it be that we as individuals don't want to subject our actions to question and feel that we are inferior if we do. We should be crowding the lathes and asking questions at these times. Don't worry about asking the dumb question, the only dumb question is the one never asked. Editor



## DUNCAN SAYS HE'S RETIRING THIS TIME

On Dec. 29, 2000 DUNCAN WARREN is Pulling the Pin. After 20 years as the Morton County Parks Supt. he's going to sleep in after the New Year. He says he'll have lots of time to catch up on all those turning projects that he has started over the years and didn't have the time to finish.

Of course this retirement business is old stuff to DUNCAN he already has retired from the Soil Conservation Service after 30 years there. ENJOY YOUR RETIREMENT DUNCAN, JUST DON'T FORGET TO BRING THE DONUTS TO THE MEETINGS.

## MENTORING

After three years many of our long term regular members begin to miss meetings and may even drop away from the club activities. This is because they may feel there is nothing new to learn at the meetings. A Been There, Done That, Whats Next? Feeling.

At the same time many new turners stay away because they feel they can't come into an established club and be up-to-date with the others that they feel are more experienced.

For the club officers, like the Program Chairperson, it becomes a dilemma as they search to bring new, interesting things for the whole group both new and old.

There is a different educational concept being tried in the country today. It has been tried by several other clubs. It's called MENTORING. It's a simple form of education. i.e.- A knowledgeable member takes a novice/beginner member under his or her wing and teaches the novice the fundamentals of turning. Bringing him or her up to speed and ready to turn a project on their own. All the while building confidence in the novice to try new and different things.

One-On-One Education or the Buddy System is not new, neither is Mentoring. It is a good way for small clubs, such as ours who do not have a regular instructor, to bring a new member into their club meetings where both will feel comfortable.

The Officers of the Dakota Woodturners feel the time is ripe to begin such a program in our locality. We are already formulating an approved curriculum for the instructor and student to follow. One, where each new student will be given the opportunity to learn turning on their own lathe, in their own shop, at their own speed.

If a current member wishes to become a mentor they should let us know. We will need at least two per city to be successful at the start. We don't want to overwork anyone who volunteers for this job.

If the program is started and run properly the students who finish will be welcomed into the club and will feel confident to take a full active part in the activities. This can also benefit long term members as they act as mentors.

The main job of the officers of the Dakota Woodturners will be to set a curriculum and some standards the Mentor and student needs to learn.

## I JUST COULDN'T WAIT

I ordered the Delta Midi Lathe at the Acme Tool Show after giving it a good tryout there. I liked everything I seen about the lathe. It was small and compact. It had a cast iron bed. It had a 1/2 HP motor and five speeds that I would probably never use but they were there if I needed them. It had enough power to do the things I wanted it to do. (Bowls up to 10" dia.). And, it's made in the USA.

I went over and purchased it as soon as it came in and I couldn't wait to get it home to unpack it and set it up. I was like a kid with a new toy.

Immediately after getting it out of the box I had to plug it in to see if it worked. Well that's when I began to have some doubts. The speed didn't pick up right away. I could stop the spindle with my bare hands. I thought, how was this ever going to turn wood? Talk about underpowered. I even checked the set screw. It was as tight as it should be. Then I figured, maybe the belting was wrong so I opened the access door to check. That's when I noticed this lever and locking device on the side of the case.

Oh my God, did I get suckered into that one and is my face red. Here I am, a grown man who has cautioned everyone to slack off the belt during long down periods to insure that the belt doesn't take a set or stretch. Hurrying to try the machine I had neglected to tighten the belt tensioner.

After that it worked like it was designed to do. I even tried to stop it, with a gloved hand of course. Couldn't. It's all that they said it was and I had hoped for and I'm very pleased with my purchase. I'll bet you won't catch me on that one again. At least I won't admit it the next time. Am I endorsing it? You bet I am.



## UPCOMING WOODTURNING EVENTS

Jan. 6, 2001	Dakota Woodturners & Spouses Dinner Night Out @ Elks 6:30
Prior to Meeting	Presidents Challenge for Jan. Meeting - Turned BALL
Jan.13, 2001	Regular Meeting @ Mandan High Wood Shop 9AM to Noon
Jan. 15, 2001	E-Board Meeting @7 PM @ Dakota Farms Resturant
Feb. 10, 2001	Regular Meeting @ Mandan High Wood Shop 9AM to Noon

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## DAKOTA WOODTURNERS & SPOUSES

## DINING NIGHT OUT

**SATURDAY, JAN. 6, 2001**

## UPPER DINING AREA AT

## BISMARCK ELKS CLUB

**6:00 PM - NO HOST SOCIAL TIME**

**6:30 PM - DINNER FROM SELECTED MENU**

**R.S.V.P. YOUR CHOICE OF FOOD  
WITH BRYCE @ 255-6315 BY JAN. 4TH  
A-Prime Rib, B-Baked Cod,  
C-Chicken Kiev, D-8oz Sirloin  
THEY NEED THIS NUMBER TO PREPARE**

**WOODTURNERS GIFT EXCHANGE  
REGISTER AT ELKS WITH CLUB SECRETARY  
KEEP YOUR GIFT(S) UNTIL CALLED  
WRAPPING IS OPTIONAL**

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# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

FEBRUARY 1, 2001

ISSUE # 42

OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelley Geir  
Prog. Weldee Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. C. Haakenson  
Secy. Art Tokach

## MEETING NOTICE

FEBRUARY 10, 2001 9:00 AM

REGULAR MEETING

MANDAN HIGH WOOD SHOP

9 AM EARLY CLASS

MAKING A "FLY HOUSE"

10 AM REGULAR MEETING

10:15 MAKING MUSHROOMS

EXTENDED HOURS - UNTIL 4 PM

### IS IT JUST FATE OR WHAT?

At the DAKOTA WOOD-TURNER'S HOLIDAY PARTY at the BismarckElks on Jan. 6th, we had a Gift Exchange and wouldn't you know it but BARB SCHWEITZER received a Dust Respirator. PAT received a turned "Snoman" as his Exchange Gift. This same switcheroo happened at the Picnic Gift Exchange in August when BARB received a "Custom Lathe Tool" and PAT got a turned gift. A person has to wonder about the equity of the draw.

31 members and spouses braved the January Thaw and turned out for an enjoyable evening of dining and conversation that was concluded with a Gift Exchange between 28 persons. BRYCE was pleased with the number of responses and plans another next January. All those there will plan with him.

### "SHOW & SHARE"

President BRYCE HILL asked if anyone had any "Show & Share" items. DAVE KRUMWIEDE Showed a special sanding table he made as an accessory to his lathe. He told of some of it's special features such as;

the Miter Gauge to sand the correct angle to the work. The table tilts so that a compound angle can be sanded to the work piece. The most important feature was the ability to slow the lathe faceplate down to a Non Burning Speed. This is very important when doing finish sanding. Those burn marks take away from the otherwise good work. A real fine job of wood working. He also showed a set of "Darts" he made using Cocobolo wood. He has yet to use them in competition or to have scored a bulls eye with the set. Good Luck Dave!

EARL SETTERLUND showed a ball he turned for the January Challenge from sumac. He liked the way the wood worked while in the lathe. He also showed his Christmas Gift to his self, a Delta Midi Lathe. He pointed out some good features and some limitations he has found on this lathe. He's not sorry he bought it though. He also owns a ShopSmith that he won't give up. But, working with the Midi is lots of fun!

CLIFF RIME showed some Christmas Ornaments he turned from the scrap wood LENARD had at the last meeting from the Bismarck Cabinet Maker. He added a walnut or paduck finial to his. Nice job CLIFF.

LENARD RESSLER showed a square walking cane he made by alternating maple & walnut on each corner. He used a skew to make all of the cuts. It's a great study or lesson piece. The hand piece was a rendition one of his first girl friends. The cane is a real beauty!!

ART TOKACH showed a different means of making rings from straight lumber without any angle cuts. It was a prelude to an article that will appear elsewhere in this newsletter. He hopes that those present will understand it better by talking about it before the article is printed.

If at first you don't succeed, you'll find everyone giving you advice



## EARLY CLASS SMALL LATHE TRYOUTS FAIR

WELDEE BAETSCH led off with showing a "Mercury Mini Lathe". He pointed out some of it's good points, such as. It has an electronic speed controlled motor. With it he has a wide range of speeds without a loss of torque. It is a little underpowered for large bowls. It's small size makes it ideal for the small space he has in his workshop. Because of this purchase he had to do a space switch and now has his Craftsman Drill Press for sale(see ad back page).

LENARD RESSLER had a variety of mini lathes to try. He had the new Delta Midi Lathe with the bed extension. The look alike Jet Lathe and the Ryobi Mini Lathe. The good and bad points of each of these were discussed by all members present who own one.

BOB PEDIGO and several other members voiced their thanks for having a "Lathe Fair" such as this one. A Fair where the good and bad points were shown and talked about by members who have had first hand experience through ownership. He feels it is better than reading a biased manufactures report or listening to a salespersons telling about only their product. It was suggested that we hold other "Tryout Fairs" on other things and tools in the future.

## REGULAR MEETING MINUTES

PRESIDENT HILL called the Regular Meeting to order at 10:20 AM. There were 23 members present. The reading of the minutes of the last meeting was waived. He introduced TED LIVESAY from Garrison as our newest member. Our paid up membership is now at 38 with 12 members still unpaid. A special reminder will be sent to those 12 in this newsletter. We hope they will respond favorably. Some are from out-of-town and do not attend regularly.

Pres. HILL commented about the Holiday Dinner Party at the Bismarck Elks on Jan. 6th. He feels it was a big success and we should plan for another next year. All of the pieces in the Gift Exchange were well done and thanked the turners for doing such a good job.

Pres. HILL advised that the E-Board will meet on Monday evening @ 7PM at the Dakota Farms Rest. If any one wishes to attend they will be welcomed.

Two of the items we will discuss at this time are, Setting up of Committees and Leaders for our April Symposium and the start of a Mentoring Program for our new members.

Along those lines BRYCE told about having some talks with Steve Neu of the Bismarck Parks and Rec Dept about getting a place for all 20 Arts and Crafts organizations in Bismarck-Mandan Area to hold meetings and hold workshops. There would be storage space for club equipment. It is expected to carry a small Annual Individual User Fee. It would be the same as most other programs they now have in the Park & Rec. It was mentioned that each year many of our retired friends who go south for the winter, return and tell of the great places they have for their recreational activities such as Woodturning and other Arts & Crafts while they are there. All at a very reasonable user cost

BRYCE told of receiving a suggestion to use the CATV (Community Access TeleVision) facilities to promote woodturning and our Clubs various activities. He has begun talks with them. More on this later as it is finalized.

BRYCE also informed us about other symposiums such as the one in Provo, UT on June 7 & 8. The National Symposium in St. Paul on July 6,7 &8.

DUNCAN advised that the Mandan Art Show will be held April 27, 28 & 29, 2001, the week following our Symposium and Instant Gallery. He hopes all members will enter pieces into both shows.

The Presidents Challenge for January was a Ball that would roll true. LENARD RESSLER, EARL SETTERLUND, CLIFF RIME, LEONARD LARSHUS & JIM MURSCHEL all had balls completed. These turners voiced their problems with the turnings of a ball. One of the balls that LEONARD LARSHUS showed was unique because of the Chip Carving he had done on it.

A discussion followed that we should hold a pre-challenge class at the meeting before the actual month



it is due. It seems we are placing the cart before the horse or a in reverse order to the instructions. We will discuss this at the E-Board Meeting. The Presidents Challenge for February will still be the turning of a "Fly House" unless we change it at the E-Board meeting.

Pres. Hill asked for another member to assist him in auditing the treasurers books for 2000, BOB PEDIGO volunteered and together they checked them out. Everything proved OKAY.

The Frugal Woodturner's Tip of the Month given to those at the meeting. Be sure to make use of the Menard's 25% Discount Bag that usually comes during the final week of January. He suggested that you pick up your finishing products, glues, small tools and various other items, including a bag of Peanut Clusters for the lathe operator at that time.

The "BRING BACK" for this month was won by KELLY GEIR. Last Months winner was contacted at home nursing a cold and will deliver his prize to Kelly as soon as possible. Dave Schmidt's name was drawn before Kelly's but was not present.

With no further business to discuss, Pres. HILL adjourned the meeting at 10:40 AM. We all returned to trying out the Mini Lathes and making a pile of chips to prove it.

Art Tokach, Secretary

## JAN. 15, 2001 -- E-BOARD MEETING

We had an exceptional turnout for our E-Board Meeting, all of the old and present officers were present including RALPH FELAND who brought his "Bring Back" prize to KELLY GEIR. Caroline was unable attend because of work.

DUNCAN WARREN outlined some of the committees that will be needed for the April Symposium.

PROGRAM: He will work with the Program Committee to finalize a rotation schedule for each instructor. We will need three class rooms and an Instant Gallery Room. The intent is to move the instructors and allow members to bring their small

lathes to use and to share if necessary.

FOOD, including noon lunches, coffee, pop and snacks. The same people who handled them last year will be asked to serve again. LENARD RESSLER Noon lunches. CAROLINE HAAKENSON coffee, cookies and sweet rolls and BRYCE HILL soda pop.

INSTANT GALLERY: MYRLE WARREN, MICKEY TOKACH & BARB SCHWEITZER. and other spouses who helped out last year.

SET-UP & CLEAN-UP

DOOR PRIZES

INFORMATION & REGISTRATION - WARREN & TOKACH

EXTRA FUNDING & GRANTS - HILL & WARREN

To successfully bring this Symposium to our members we need volunteers to fill any of the above jobs that don't have names after them.

## COFFEE & ROLLS

When asked by the E-Board if he has been clearing enough to pay for the donuts and coffee at the Regular Meetings, DUNCAN confessed that sometimes it has been a little short. We informed him to keep track when it is short and we will make up for the shortage. We will let the members know thru the Newsletter and at the next meeting that the coffee is not free. When quizzed most E-Board members said they put in a buck for the coffee & roll, about what it is around town.

## IS THE CART AHEAD OF THE HORSE ?

At the last meeting the point was made that perhaps we have been a little overzealous by having the Presidents Challenge first with little or no instructions to guide the members. Many members are confused and do nothing. Those that do show something, do so because of past research or experience. It should be noted that we are not professional turners or teachers. We like what we are doing and sometimes we make mistakes in the way we present a class or project. You could call us a "Work in Progress". It is hoped you will bear with us



during these classes, both for the Good and the Bad and maybe even THE UGLY.

In the future you will be given instructions sometime before the challenge is presented. Some of these instructions may cover several similar projects. We don't want to take all of the fun away by just having everyone doing the same as everyone else in the club, we want some originality. Later, when the challenge is issued you will have a month to complete it and bring the problems &/or successes to the designated meeting and talk about it during "Show & Share". We hope to have these as sharing educational experiences.

Pres. HILL has already issued the February Challenge of a "Fly House". You may already have your entry turned, don't throw it away because we will have the instructions during the Early Class time on Feb. 10th. Following the Meeting and during the Second class session we will have the instructions for the March Challenge (Mushrooms) due March 10th. PAT SCHWEITZER will lead the instructions and asked that we all bring our own raw material, a 2" to 4" dia. branch, about 12" long. With bark on would be Great but not absolutely necessary. Why a branch? It has an irregular shaped grain similar to a mushroom.

### EXTENDED HOURS

In the past, several members have asked if more shop time could be available for instructions and "Hands On" turning. Possibly some evening time. Usually these members can not turn wood during cold weather because their lathe is located in an unheated shop. They have asked for some time other than the meetings to seek assistance and have a warm place to practice.

DUNCAN has come up with a IDEAL SOLUTION to these problems. He figures the problem this way. We already stay until 12 Noon. Why not STAY EVEN LATER, SAY UNTIL 4 PM? He also figures this. You have already taken the time to come to the meeting and he has no problem keeping the doors and the shop open. Finding an evening available to all would be very difficult. Several of our more accomplished turners have volunteered and will also stick around to help out as necessary.

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LUNCH? He suggests Brown Bagging it that day. Usually there is coffee and sweet rolls left over for a snack if you need one. He and Pres. HILL would like to know before hand how many wish to stay over so enough extra help will be available. A phone call to either one would be appreciated.

To learn to use your personal tools correctly should be your goal during these Extended Hours so it is very essential that you bring your personal tools and project material. Also if you have a small mini lathe, bring it also. In fact you may bring these lathes to any meeting, just bring them to the south door. There are no steps and its easy in and easy out. There is a hand truck available at the school for hauling if needed. We want to prevent any back injuries.

DUNCAN would also like to alert those members who do not have a lot experience at turning to take advantage of this "Hands On" time before the Symposium in April. It will serve to bring you up to speed for an easier learning experience.

The E-Board meeting broke up around 8:30 after a very busy and productive evening.

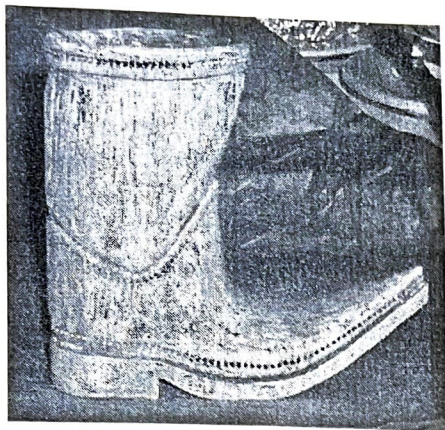
### THE PREZ SEZ

Things are beginning to shape up for the Spring Symposium for 2001. Rus Hurt, Alan Lacer & Bonnie Klein will be the featured turners for this event. We are working on the details. More information will be available at the February Meeting and in the March Newsletter. There will be several committees' for each of you to assist with. We will need a lot of help to make this a successful project again.

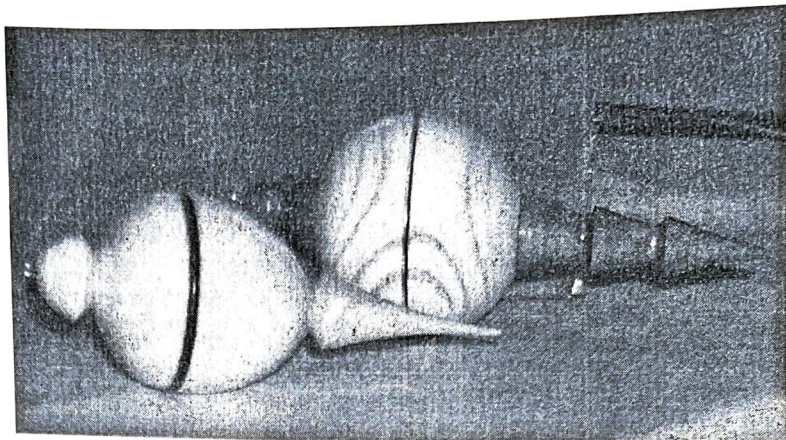
Our January Meeting was outstanding with a great attendance (23). At the Board Meeting, we decided on a major change. At future meetings, we will plan to stay longer and do more turning if members want to stay for these sessions. Several in our group have asked about this, so we will try this out and see how it works out. Please bring your mini lathe, tools and we will have a great time making Sawdust & Shavings.

Our group has acquired a new video, "Sharpening". It features Bonnie Klein, John Jordan, Alan Lacer and Bill Johnston. This is an outstasnding video and will

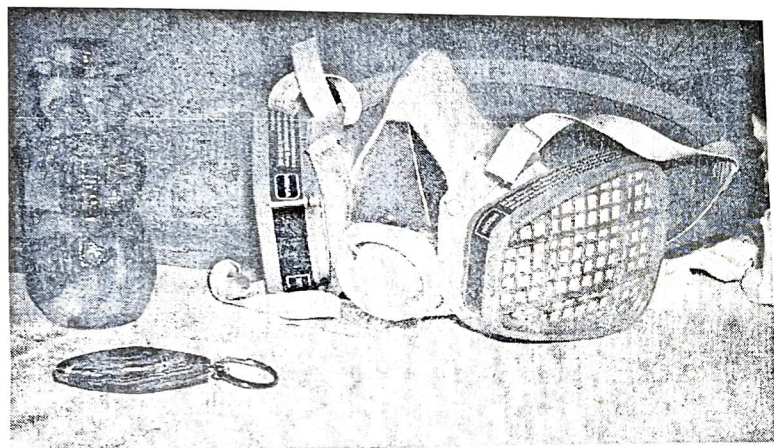




Boot by Ralph Feland.



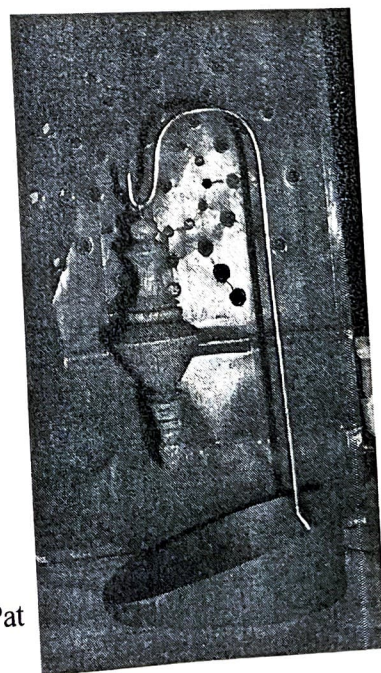
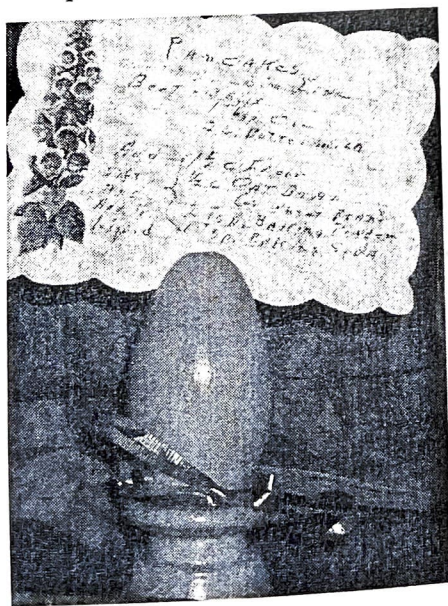
Ornaments by our favorite comedian, Cliff Rime.



Key chain by William White. Snowman by Kelly Geir. Dust mask, a must for everyone was given by Art Tokach.

A great time was had by all that attended our Christmas party which was held at the Elks in Bismarck. The food was excellent too. We had 31 people attending and 28 of them were involved with the gift exchange. This was the first time we have involved spouses in our Christmas fun. I'm sure we'll be doing it again after this year's results. The photos were taken by Caroline Haakenson. Jan. 6, 2001. What a Merry Christmas!

Recipe holder by Jim Fine

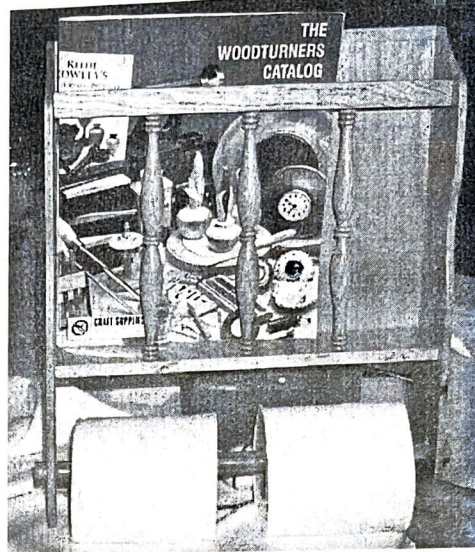


Ornament and Stand by Pat Schweitzer

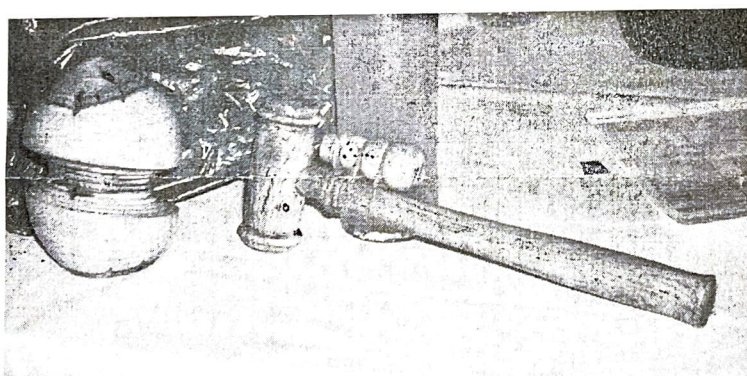




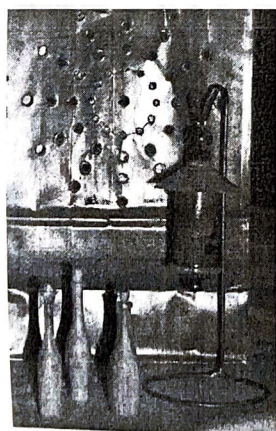
Plate and stand made by Leonard Larshus



Magazine/t-paper holder made by Caroline Haakenson

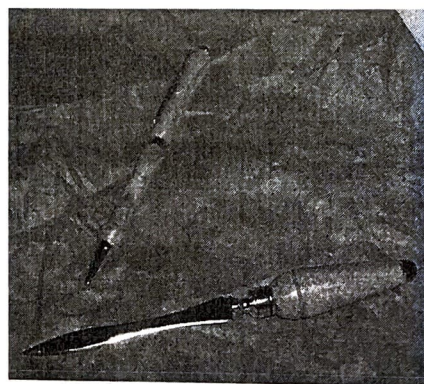


The off center turned piece of art is by Vern Hanson and mallet and snowman are by Earl Setterland.



Fly House by Pat Schweitzer. Wine Bottles by Lenard Ressler.

Pen made by Lenard Ressler. Letter opener by William White.





provide you with a lot of shapening information. This video was produced by the AAW and we were fortunate to get an early copy.

We plan to use this video along with several others to put on Cable Access TeleVision prior to the symposium to get people acquainted with the "Dakota Woodturners". This is an excellent opportunity of providing the public with information of what woodturning is all about. Dates for these videos will be announced later.

As of January, our membership is gaining. If you have not paid your 2001 dues, PLEASE DO SO - ASAP.

We are off to a great start; The program committee is working on new and exciting programs for the year. Any ideas for future meetings will be appreciated.

See you at the February 10th meeting. It starts at 9 AM at the Mandan High Wood Shop and hopefully many of you will stay for an extended time of turning. Don't forget your Brown Bag Lunch.

BRYCE HILL, President

### A TURNING TIP FROM PAT SCHWEITZER

Pat used to fight the large size of his Live Center in his tail stock. The one that came with the lathe was too large as it was meant to support large pieces of wood, a fragile material. He was restricted in doing any hollowing because of the size where it supported the wood. He solved his problem by ordering a Machinist Live Center with a 60° point. Now he can get in real close and avoids any frustration. It is suggested to order the special drill bit at the same time. When he ordered his, it cost about \$15. Expect to pay around \$20+ now.

### WOOD DECAY

If you are interested in decay in wood and how it could affect a project you are working on you should read the article in "Wood" magazine on pages 40 & 42 of the March 2001 issue # 131. You'll find that "Spalting" is a form of White Rot Decay.

### OBSERVATIONS: "PARTICIPATION"

At our monthly meetings our "Show & Share" is probably the most important part. Some show what they have made. Some show and tell how they made the turning, jig or whatever, the problems, the "OOPS", the tools used and some advice as to what they would do next time. Some join into the discussions at the meetings. Others faithfully bring wood to swap or donate to the club for a contribution from the recipient.

There is no real problem, except that some members (Bless Them) take part month after month while most of us attend but seldom take part.

#### HOW DO YOU RATE?

Have you at any time brought some wood or a tool or something for a swap or for the club?

☐ Yes ☐ No

Have you or do you now hold office in the club?

☐ Yes ☐ No

Have you ever thought you would like to demonstrate something you do well before the club?

☐ Yes ☐ No

Have you taken an active part in a recent meeting?

☐ Yes ☐ No

Are you planning to participate in the Instant Gallery during our Symposium in April?

☐ Yes ☐ No

Will you be entering an object for the Mandan Art Show at the end of April?

☐ Yes ☐ No

If you checked all the yes blanks.  
CONGRATULATIONS !!

If you checked a few, maybe you could run for office and help run the club.

If you can't wait to demonstrate see Weldee Baetsch for a future meeting.

If you checked all the No blanks that's OK Just keep



coming to the meetings. It's better to have a warm body than an empty chair.

For you beginners - Jump in with both feet. DUNC



THE GOOD, THE BAD AND THE UGLY.

Art asked if I would write an article on "The Good" the "Bad" and the "Ugly". I thought he was talking about he and I and someone else, but he was talking about the different woods that are native in the area, so here goes.

There is a saying that "Beauty is skin deep". Well so is "Ugly". The first wood I will attempt to cover is green ash which is native to North Dakota. It is a very beautiful wood. I use it a lot in green bowl turning. Keep the thickness about 10% of the diameter. Coat the end grain with a good wood sealer and let the wood dry for about seven months. When you cut the tree, seal the end grain immediately as it will begin to check. It makes excellent tool handles. Sometimes there is a small branch making an exit on the side of the bowl you are turning. This can add or subtract visually to the finished product. Up to this point I haven't found anything rally bad or ugly about green ash for turning. I'll give it \*\*\*\*. DUNC.

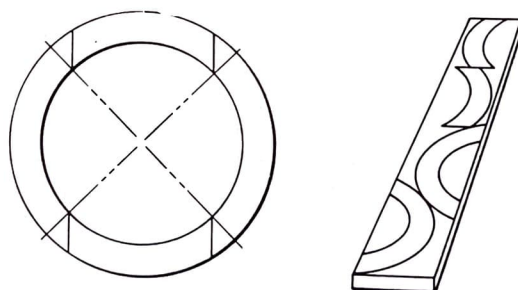
## A 8" OR 10" RING MADE FROM A 3" BOARD

I found this idea in an article about making a Spinning Wheel. It showed how to make the large wheel from smaller widths of wood. The wheel could be made without a large lathe to turn the wheel. At the slow speed that the spinning wheel operated, the wheel didn't need to be absolutely round because a little wobble or out-of-round would never be noticed or would never affect the operation or the operator. The wheel usually had a hub and spokes which were turned and placed into equally spaced holes. Another big plus in my book was the working of side grain rather than end grain. Gluing and clamping the pieces together was more easily accomplished because all four joints are straight, no angles to slip & slide when clamping. And only one clamp will hold it while the glue sets.

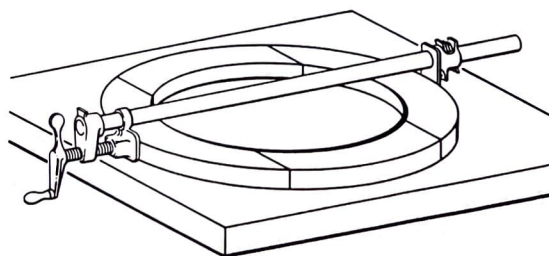
PAGE SIX

As you can see on the smaller sizes and by leaving the center wood intact, it can also be used to enclose a square design to make it round for turning &/or display. An interesting grain figure or a small burl could be placed inside and then the outer circle turned on your lathe. The ideas are bounded only by your imagination.

I made an X-ray film marking template before any cutting was done. I started by drawing the outside circle on a large sheet of paper, to the size my lathe will swing (10"). Next, draw quarter lines through as the drawing shows. The side pieces or arcs are drawn by experiment to match the inside size you desire and the width of the wood you are using. Mark one surface and one direction arrow on all four pieces to keep the light reflecting rays in the wood aligned uniformly. As you can see the joints are straight and only need to be joined in some manner before cutting and gluing. Reinforce the joints in some manner to add stability to the wheel. I hid biscuits on the inside portion of the joints. You could also use round dowels disguised as studs placed equally around the outer edge.



Quarter the wheel template, then lay out the four segments on a 1-in. plank. The waste crescents may be squared up and turned for spokes.



Use a single bar clamp to butt-glue the four segments together; working on plate glass ensures flatness.



## GLUE

Glue, cements, adhesives, epoxy, bonding agents. What ever you care to call them, they do one thing, they hold two pieces together securely. Whether it is wood, plastic, ceramics, even metals are glued rather than welded. I was surprised at some of the places glues are used today. One glue joint that we see and use every day are the rain gutters on your family car. They are glued on with a special adhesive that sets and cures when the body goes through the paint drying oven.

Here's another example I was surprised to find out about. I was at a yard party in St. Paul last summer and was talking with a reaserch person from the Aerospace Division of 3M. I was told that there are a large number of inside components that are glued together on airplanes and space ships. They are professionally applied and are not available to the general public at this time. Each type of glue works in its own manner. In the following issue I will discuss some things that I've experienced about the glues that I've used. Maybe you have had the same experiences or maybe you've had different things happen to you. Whatever the case remember this is the FRUGEL WOODTURNER talking. Frugel does not mean cheap, it means useing anything economically.

Along those lines, there is no savings in buying too much glue because it is on sale and then not using it within a year of purchase.

A TIP: All of the glue that I buy has a date written on the tag and it is thrown away when it reaches its first birthday. Even if the glue begins to thicken it gets tossed. I see no value in putting in a lot of work glueing a ring together if it is going to fail wihtin a short time because th glue was old.

If you want to extend its life a little and if you don't mind an Ugly Bottle setting on your glue shelf, you could squeeze the air from the bottle before closing the twist cap. Its the oxygen that robs the glue of its long life.

Before we begin talking about glues I want to tell you some preliminary things.

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CLOTHING: You have all seen my profile and with a belly sticking out like I have, its a perfect place to rub against and soil my shirt front, and ruining it. I have thrown away several shirts that I have ruined in this manner while working with glues, paints, oils & grease. Today I have an apron hanging close by each place where I may need it. I put it on as soon as I start to use any of these products. I have a cotton turning apron with a knit neck band by my wood lathes. A glue soiled apron by the workbench where I do most of my glueing. I also use it for any painting tasks. Now I even have a canvas apron for grinding metal. No more burnt belly buttons.

Another thing, DO NOT have any dangleing strings or anything that may catch and wind around a shaft or workpiece.

I recall an incident that happened where I worked. A welder was welding on a piece of equipment and he had a rag hanging from his back pocket. Another worker started a large bench grinder behind him while he was under his hood. He shut it off about the time the welder finished his welding. The welder stepped back to examine his weld and the rag was sucked toward the spinning wheel and it caught in the grinder and ripped it from his pocket. It pulled him toward the wheel before it came free of his pocket. He escaped major injury but we all learned a lesson about loose rags getting caught in a wheel even as it coasts to a stop.

GLOVES: We all like the feel of the wood. That is one of reasons we have this hobby. However there comes a time when it is best to protect those fingers with gloves for another day of turning or just working with wood. Tactile gloves are a good choice if you want that natural feel. It is surprising how warm your hands are with just the palms and wrist protected. Jersey gloves will keep your hands warm while turning in an unheated shop. If you are working with glues, paints solvents or any other irritants buy several pairs of rubber, latex, or vinyl gloves and put them on before starting work. After a little while you should begin to get the feel through the gloves.

Next month I will begin to cover my experinces with glues and adhesives. If you have had some experince to share with the other members talk with me at the meeting.

ART TOKACH



## UPCOMING WOODTURNING EVENTS

- Prior To Meeting      Presidents Challenge for Feb.  
Meeting - Turned Hollow Fly  
House -
- Feb. 10,2001      Regular Meeting @ Mandan High  
Wood Shop 9 AM to Noon  
Extended Hours until 4PM  
Bring Brown Bag Lunch if styng
- Feb. 12, 2001      E-Board Mtg @ 7 PM  
@ Dakota Farms in MANDAN
- Feb.22,2001      March Newsletter Deadline
- Mar. 12, 2001      Regular Meeting @ Mandan High  
Wood Shop - Challenge For Mar  
"MUSHROOMS"
- April 20,21,22,2001      3rd Symposium with Lacer,  
Rus Hurt and Bonnie Klein  
INFORMATION & REGISTRATION  
IN MARCH NEWSLETTER

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## **THIRD ANNUAL DAKOTA WOODTURNER'S SYMPOSIUM & INSTANT GALLERY APRIL 20, 21 & 22, 2001 MANDAN HIGH WOOD SHOP**

**INSTRUCTED BY  
RUS HURT, ALAN LACER &  
BONNIE KLEIN  
INFORMATION & REGISTRATION  
IN MARCH NEWSLETTER**

\*\*\*\*\*

### **WOODTURNER'S WANT-ADS**

Lost or Misplaced my copy of the Video of the 2001  
Instant Gallery Video. Return to Duncan Warren

For Sale-Craftsman Bench Drill Press, Must Make  
Room For New Mini Lathe Weldee Baetsch 223-2540

For Sale-Craftsman E-Z Start Gas Powered Leaf Blwr  
& Vacuum, Need To Sell Because I Received A Second  
One As A Gift - \$65 - David Barth - 223- 6872





**OFFICERS**

Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prog. Weldee Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. C. Haakenson  
Secy. Art Tokach

# DAKOTA WOODTURNERS SAWDUST & SHAVINGS



**NEWSLETTER**

**AAW CHAPTER #115**

**MARCH 1, 2001**

**ISSUE # 43**

## ! MEETING NOTICE !

**MARCH 10, 2001 9:00 AM**

**REGULAR MEETING**

**MANDAN HIGH WOOD SHOP**

**9 AM EARLY CLASS**

**EXTRA HELP IF NEEDED**

**MARCH CHALLENGE**

**MUSHROOMS & TOADSTOOLS**

**10 AM REGULAR MEETING**

**10:15 EXTRA HELP UNTIL NOON**

**EXTENDED HOURS OPEN UNTIL 4 PM**

**"SHOW & SHARE"**

The "Show & Share" portion of the meeting is growing every month! We started several months ago with three or four members talking about their experiences while turning. Today it fills a large portion of our meeting and none of it is boring to listen to. All the members who take part in these sessions are to be congratulated for a job well done. Keep bringing your projects. Sharing our experiences with others is great.

WELDEE BAETSCH lead off this month. He told of his experiences turning the "Morse Tapered" jam chuck for turning a fly house. He found that it was a to be an enlightening project. It was more difficult to do than he at first figured it to be. He stressed a person being very accurate with your measurements. If it is too loose on the tail end it will not hold true during the turning. If it is too loose on the head end it could develop a wobble that will throw the whole future turning off and could even lead to self destruction of the chuck. He showed a method of checking with a credit Card how true the surface is.

LENARD RESSLER added that if you turn the proper size with a parting tool on each end and then join them using a skew for the cutting should be easier.

EARL SETTERLUND shared his experiences turning nine fly houses. He has developed a sequence to making them. He turns the bottom plug first, then he drills the insides and finally turns the top. He finds it easier this way. He also turned a Natural edge bowl from an oak log he saved from the fireplace.

TED LIVESAY may be our newest member but he wasn't shy telling about the two fly houses he has turned. He is looking for advise of the correct tools and accessories to purchase.

ART TOKACH showed a new collet chuck he purchased from "Penn State" catalog. It has a #2 morse taper that fits into the head stock. Good & bad points were pointed out and discussed.

BOB STOLZ tried his hand at a fly house. One of his creations was turned from redwood and has a "Pagoda" style to it. The other was turned from walnut and he included a porch for summer basking and a chimney for all weather use if the fly wanted.

JIM MURSHEL turned a red apple and showed it around to friends where he works and he received several orders for repeats. The requests range from a teacher for a paper clip box to a Doctors Receptionist who want to keep the Doctors away from the goodies. He said that the finish was just a red spray paint but it looked like a real apple. Nice work, Jim!

CLIFF RIME turned a five unit "Condo" Fly house. Some of the units were even turned from Tauga Nuts. Because of the material used he figures to up the rent as soon as he has them filled.

**KEEPING ONE'S EYE ON THE GOAL DOES NOT PRECLUDE ENJOYING THE SURROUNDINGS**



LENARD RESSLER showed his latest fly house turnings, these even had flies basking on their porches (fake of course). We all know about LENARDS desire to find and try out new tools. He found a triple headed slow speed sanding machine that conforms to either the inside or outside of a curved bowl. It's slow speed and triple heads prevent any circles sanded onto the surface. It is made and sold by Sears.

DUNCAN WARREN showed and told about a recent custom order he accepted to turn a long corner post. The customer gave him very little help in the design. He had to turn it in two pieces because of the overall length was too long for his lathes. He shared some of the ideas he used in the design. He advised to keep repeats, such as beads, to odd numbered groups. He explained how he joined the two pieces together to get the final total length.

LEONARD LARSHUS asked how he drilled the hole directly in the center to join the two halves together without a visible glue joint. His explanation was that he used a steady rest to hold the free end. He added that by holding the drill using the live center to align it, the drill will seek the true center and be quite accurate.

DUNCAN had some spare time the other day and did the final turning on two 6" ash plates. He told about the steps he performed right down to turning the bottom. When asked if these would be considered as "ASH TRAYS" because of their 6" size.

He did an impromptu critique of a student turned bowl that was found there in the Shop. He said he will try to talk some of these students to take the upcoming symposium. He will approach them personally. They can use the help they would get with us. Lots of luck Duncan!

DUNCAN gave a report on the newest video we have acquired for our library. "SHARPENING" covers sharpening by several national turners including Alan Lacer and Bonnie Klein. Both will be here in April. Since acquiring it 2 weeks ago it has been seen by six members. There is a short waiting list. This should be required viewing before the Symposium because BONNIE KLEIN and ALAN LACER are in it.

PAGE TWO

## MINUTES OF REGULAR MEETING

Because of the extended time for the "Show & Share", Past President DUNCAN WARREN did not open the meeting until 10:30 AM. There were 18 members present with one guest ART FORSMAN from Garrison who took a membership application. He may be our next member.

It was moved, seconded and passed to suspend the reading of the last meetings minutes.

Membership Chairman, Art Tokach, said that we now have 38 paid up members with 12 still unpaid for 2001. He asked those present to help him find out why these 12 are not current. Was it something we did that we could correct? As in the past we will carry these members until the April Newsletter is published. We would like to see their names remain on our roster.

The E-BOARD will meet Monday evening at 7 PM at the Dakotas Farms Restaurant in Mandan.

We are still considering a Mentoring Program but have received very little comments either Pro or Con about its use. Talk to any officer about this.

Our 2001 Symposium is set for April 20, 21, 22, 2001. Committee's are being formed and help is needed in all of them. Let us know where you can help out we have several jobs open or that need extra hands.

The February Challenge was to turn a fly house which was discussed extensively during the "Show & Share". The Challenge for March will be "Mushrooms" which will be instructed during the remainder of the extended day. Several showed interest about staying. Future challenges could also be where everyone turns from the same local wood such as ash or elm, etc.

Before the "Bring Back" drawing, Art Tokach told why we can not use the drawing as a money maker for the club. The method we are using where every member has an equal chance is OK in the eyes of the law. Perhaps the Legislature will change their rules allowing Office Pools which is what we would then be



## GLUES

Last month in Part One I introduced you to some precautions to watch out for when working with glues and adhesives. This month I'll tell about some of my experiences with some of the common glues.

**WHITE GLUE &/or ELMERS GLUE** (polyvinyl acetate) This General Purpose Glue is probably the easiest recognized and most often used and misused glue on the market today. Most of us call it "Elmers Glue" because much of it is made by The Borden Co. I think this glue has been around for as long as I have been using glue. It will glue paper & wood products together. It is very strong if no moisture is present, as it is not waterproof. It dries transparent in an hour or so. Better if left in the clamps overnight.

Most of us use it improperly. I know I did until I took the time to read the instructions on the bottle many years ago. It advised placing a small amount on both surfaces, place them together to spread the glue. Then part and allow to air dry apart for 30 seconds. Now place back together and hold in that position for another 30 seconds. Do not apply any pressures for about 5 minutes. It is advised NOT to wipe any excess that squeezes out from the joint. Allow the beads to set and remove them with a sharp knife or scraper. Wiping, even with a wet rag, just spreads the glue out and can act as a sealing agent making future finishing difficult or unsightly. Wiping with a wet rag is NOT advised either.

I use "Elmers" to glue a waste wood block to the bottom of a bowl before mounting it on a faceplate. Be sure both surfaces have an even coat of glue applied to both surfaces. Check alignment before and after the final clamp is applied, I've seen the pieces creep out of alignment.

A TIP: If using on a very small object, such as a miscarved chip or a small irreplaceable part of a segmented ring, squeeze a dot onto the web of the skin between your thumb and forefinger of your left hand. Using a round toothpick, transfer, as needed, a small amount to the surface to be glued. This allows the piece to be handled and the glue to be applied properly. Discard any excess properly.

**YELLOW CARPENTERS GLUE** (Aliphatic Resin) is similar to the white glue but is formulated to work better on wood than the white. It is more moisture resistant than the white but not waterproof. It does have a shorter open time that a person has to work on the joint. Another bad point is it sometimes leaves a yellow glue line where the white glue dries clear. There are some light tan and darker shades available for when you are gluing darker woods. It can be colored with water soluble dyes to match your wood color.

**CYANOACRYLATE ESTER** or CA for short. This "Super Glue" is a popular instant glue. It is clear and dries that way. It will bond many different materials together. Including most plastics, wood, metal and even rubber. When used with a spray accelerator it becomes an almost instant glue. CAUTION: It can bond skin together so keep some acetone or nail polish remover available to be used to remove it. It is suggested to hold pressure on it when applying it to a faceplate. A spray of accelerator around the edge will insure that none of the CA will fly out when the lathe is started and ruin your glasses &/or clothing.

**CONTACT CEMENT** is used primarily on laminate or counter top applications. Holding two flat surfaces together is what it is designed to do. It has no strength when used to glue two small surfaced areas together. Apply to both surfaces and when dry to the touch (about 20 to 30 minutes) align and press together with a roller. Never use in a confined area, the fumes are hard on the lungs.

The place I have used it the most was to apply the leather to the stop wheel. It would never need to be replaced which would have been difficult.

**RUBBER CEMENT** is similar to contact cement but has far less holding powers. It is used primarily for attaching paper together that may need to be replaced afterwards. Use and apply the same as contact cement. I applied this to the back of the Wet-or-Dry auto Body Paper that I used as the abrasive on the "Super Stroppler". I could peel it off and apply another piece without any clean-up on the wheel. It did leave a rubber surface that needed to be cleaned after maybe 25+ paper changes.



**POLYURETHANE and GORILLA GLUES** both are water tight glues with superior holding power in wet situations if directions are followed. The directions advise the user to apply water to one surface and the glue to the other and then clamp tightly together and allow an overnight set time before putting to use or applying pressure. It is best to wear rubber or latex gloves when working with these glues as cleanup is very difficult. If you do get some on your hand or unwanted areas acetone may remove it if it has not set over night.

**HOT MELT GLUE.** Bonds most materials but is primarily used on plastics. It doesn't have much strength and I use it mostly to hold two pieces together in alignment while I'm doing some other type of gluing such as in segmented rings or staves.

**SILICON BASE.** It is sold as a caulking compound with a long life. It can fill gaps easily. I have used it as an waterproof adhesive with good success.

**EPOXY.** A two part adhesive that bonds a wide variety of dissimilar materials together permanently. It is waterproof. It sets by chemical reaction. The five minute type will begin to set in about 3 minutes. The Two-Ton type will be workable for about 10 minutes. Their strength afterwards is the same only the cure time is shorter on the 5 min. They are fully cured when they are no longer "tacky". I still prefer to wait overnight to let it strengthen before applying any heavy pressure such as the twisting and prying a knife may be subjected to.

Because of the short open time limits of the epoxy after it is mixed, you should have everything laid out and ready both physically and mentally. ie. Unless the shop is on fire, don't even answer the phone. I tell my spouse not to bother me during this time. It is advised to dry fit everything before any mixing begins. Lay out all the pieces and tools. Don't forget to including the clean-up of tools and hands afterwards. I even have the water in the sink ready to wash my hands afterwards. I apply and use "GoJo" first and follow that with warm water and soap. A little dab of hand lotion afterwards will insure against dry rough hands.

The most common place I've used epoxy is to secure knife blades &/or lathe tools into wooden handles. I lay some of the liquid epoxy into the slot or hole and then butter the blade or tang before sliding it into and seating it in the handle. I seat the metal blade or tool in place and then clamp with a spring clamp or other such device to hold it in place. This allows gravity to pull the epoxy into the lower nooks and crannies before it sets up. Any rivets are drilled and placed later as a precaution to the metal coming loose while in use.

**MIXING EPOXY** - Most Two-Part Epoxies come in equal sized tubes for convenience and proper mixing proportions. It takes all of the guess work out of the mixing. However, it can still be a sticky mess that needs to be contained. I've found the following method to be an easy, clean way to mix the epoxy.

I squeeze the estimated amount of two-part epoxy onto a polyethylene plastic cover. Such as those that come from dairy containers &/or snack cans. I then use a disposable Popsicle stick to stir and to use as an applicator of the epoxy to both mating surfaces.

Because it does not stick to the plastic, any excess can be left to harden or set. Then by flexing and twisting the plastic, the excess can be peeled off and discarded. The plastic lid is now ready for another mixture. I like it better than mixing it on glass or other hard surfaces because of the flexibility of the surface and the easy cleanup and disposal. I have several covers handy during multiple mixings. Don't try to continue using the epoxy if it begins to thicken and set up. You can't revive it once it sets.

Well that's what I've found out about glues and adhesives. Now, you should be as smart as me about this sticky subject.

Art Tokach

Peaches please and onions bring tears,  
yet the peach is the one with the pit





# DAKOTA WOODTURNERS



THE DAKOTA WOODTURNERS are pleased to invite you to participate in a HANDS-ON WOODTURNING SYMPOSIUM on April 20, 21 & 22, 2001. The workshop will be instructed by ALAN LACER, RUS HURT & BONNIE KLEIN.

It will be held at the MANDAN HIGH WOOD SHOP. There will be 2 1/2 days of demonstrations and Hands-On woodturning, tool sharpening, chucking, wood selection, etc. with three of the foremost nationally and internationally known turner instructors. This is a great opportunity for all of us to work with turners who have a lifetime of experience.

ALAN LACER - A Charter Member of the AAW. - Past President of the AAW - Recipient of the 1999 Lifetime Achievement Award from the AAW. Alan is an expert in the use of the skew and in all facets of woodturning. Alan was an instructor at the our 2000 Symposium. He has authored many articles for the AAW Magazine, "American Woodturner". The English Magazine, "Woodturning", The "American Woodworker" magazines and many other magazines. Alan recently moved and now lives in western Wisconsin.

RUS HURT lives in Portwing, WI. Rus is a founding member of the AAW and served as the first secretary to the Board of Directors from 1986 to 1992. Rus's work on the lathe ranges from utilitarian to the sculptural and purely ornamental, often blends a pleasing mixture of both. His commitment to the process, to detail and to understanding wood give a character and depth that accompany his work far beyond the basic bowl. Rus has written articles and photographed for AAW Magazine, and has demonstrated for many groups, including the Dakota Woodturners and the AAW National Conference in Ohio. He conducts workshops at his own workshop "Gitchi-Gummi".

BONNIE KLEIN is new to our 2001 Symposium. But, she is a Internationally known instructor from Renton in the Seattle, WA area. Her specialty is small items, turned using small tools (ie. 1/2" or smaller) such as pens, tops etc. Because these tools are small doesn't mean that they are easier to sharpen, or to use. Bonnie will share her expertise in working small and delicate but precise. She is a master with a chatter tool!

This SYMPOSIUM will be Lecture and Demo but mostly will be a Hands-On Workshop. Come prepared to turn wood. Your wood with your tools. There will be three rooms available for demonstrations and Hands-On work. We hope to have some large lathes available for the instructors and we hope that the students will bring their Mini Lathes and personal tools for their Hands-On work. There will be several tool grinders available for our use. However you may bring your own also. Turning blanks will be in short supply so bring some with you for your use or to trade. As in the past there will be some wood and blanks available to purchase for a reasonable club donation.



The workshop begins on FRIDAY EVENING, APRIL 20th - 7 PM to 9:30 PM with a "Getting Acquainted" session and an introduction to the Instructor/ Demonstrators. We will learn who they are, their experience, where they are coming from, other interests and an outline on what they expect to accomplish with each of you in the next two days.

DAY 2 - APRIL 21st - 8:30 AM TO 5 PM - Demonstrations and Hands-On for tool sharpening (bring 3 or more of your own tools) and turning wood to develop tool control for safety and personal achievement.

DAY 3 - APRIL 22nd - 8:30 AM to 5:00 PM - Continue with demonstrations and Hands-On as needed by participants. At 4:00 PM we will meet to discuss needs and accomplishments of sessions (Did we meet our expectations and what did we accomplish). Drawings to be held for tools, turnings and wood.

INSTANT GALLERY: All participants are urged to bring a limit of three of your best-turned items for display. We will also ask our instructors, Lacer, Klein & Hurt to give us a short critique of some of our favorite pieces. Have items ready on Saturday morning at 9 AM.

MEMBERS COST for the Symposium will be \$100.00 This includes a noon lunch on site.

\$15 for spouse. There will be refreshments at mid-morning and mid-afternoon.

NON-MEMBERS COST: \$115. US FUNDS

The symposium will be limited to 15 woodturners &/or spouses per instructor, so get your reservations in early. Please make a copy of this application and share it with a friend. In addition we are inviting all AAW Woodturner Members from a 300+ mile circle around Bismarck-Mandan. This includes the Winnipeg area and, Western Minnesota and Eastern Montana and all of South Dakota. Membership in the Dakota Woodturners is not necessary but would be appreciated.

TOOL KIT: In addition to your lathe cutting tools, and these are only suggestions, but it would be nice to have them close at hand. Any Special Tool you will need while doing Hands-On Turning such as; Calipers &/or Rulers; Face Plate or Special Chuck; Live Center; Dead Center; Spur center, Sand Paper; Any Special Finishing Product; Pencil &/or Marker; Swing Lamp; Don't forget your Personal Safety Equipment such as Safety Glasses &/or Face Shield, Dust Mask, Apron, Tactile Gloves, Ear Plugs

THIS WILL BE A FUN, ENTERTAINING AND EDUCATIONAL EXPERIENCE  
FOR 2 1/2 DAYS FOR YOUR SKILL DEVELOPMENT.







# UPCOMING WOODTURNING EVENTS

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## DAKOTA WOODTURNERS TREASURER'S QUARTER REPORT

Prior To Meeting      Presidents Challenge for March  
MUSHROOMS & TOADSTOOLS  
Species and Size Optional

March 10,2001      Regular Meeting @ Mandan High  
Wood Shop 9 AM to Noon  
Extended Hours until 4PM  
Bring Brown Bag Lunch if styng

March 12, 2001      E-Board Mtg @ 7 PM  
@ Dakota Farms in MANDAN

March 22,2001      Newsletter Deadline

April 14,2001      Regular Meeting ??Canceled ??  
See April Newsietter

April 20,21,22,2001 3rd Symposium with Lacer,  
Rus Hurt and Bonnie Klein  
INFORMATION & REGISTRATION  
IN MARCH NEWSLETTER

Balance on Sept. 17, 2000	\$2327.71
3 Deposits	<u>+ 379.00</u>
Total	\$ 2706.71

Less Printing	\$ 113.54
Less Postage	\$ 46.20
Less Misc.	<u>\$ 187.48</u>
Total	\$ 347.22

Balance On Dec. 31, 2000	\$ 2359.49
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Treas. Bob Gruman

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OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgm Weldee Baetsch &  
Leonard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach



# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

APRIL 1, 2001

ISSUE # 44

## MEETING CANCELED

BECAUSE OF THE SYMPOSIUM  
THE FOLLOWING WEEK END  
THE APRIL 14, 2001  
REGULAR MEETING IS CANCELED

2001 SYMPOSIUM  
REGISTRATIONS DUE NOW

IF UNABLE TO ATTEND - PLAN TO TAKE PART  
AND VIEW THE TURNED ART  
IN THE INSTANT GALLERY WITH A FRIEND

### "SHOW & SHARE"

Our "Show & Share" portion of our meeting has really caught on. It now occupies a large portion of the meeting. It is the best of what we, who formed the club, had hoped for just 44 months ago. It is more than just the showing of what we have turned, it is a verbal sharing with our fellow woodturners of what we have experienced while working on our monthly challenges. And it doesn't stop there, because many of you bring other ideas and problems solved. Don't worry about having the time to "Show & Share" your turnings, 'cause we'll always find time for one more. The following are some of the things brought forward at the March 10th meeting.

BOB GRUMAN apologized for missing the last three meetings as he was busy taking a work related metal lathe turning class that was offered only on Saturdays. Now that it is finished he has offered to turn some items for fellow members as time permits. Talk to Bob at a future meeting.

TED LIVESAY from Garrison who is our newest member shared some mushrooms he turned. When asked what kind of wood it was made from, he had to confess he didn't know but titled it a NFW (New Found Wood). Good name and a nice job on the finish Ted.

CLIFF RIME turned the stem of his mushroom off center for a unique look. Of course, like many of us, Cliff can't throw anything away. He turned a bowl that had broken away from his chuck into a "Toadstool" and mounted several of his small mushrooms on it.

LEONARD LARSHUS made a different type of mushroom. It's lid was the cap and the stem was hollowed out for a clever hiding place.

EARL SETTERLUND showed the mushrooms he turned from green ash. But what he was most interested in showing was a sharpening accessory that he custom fit onto the head stock of his mini lathe. We hope to have a photo of it elsewhere in the newsletter. What we found interesting about it was that it mounted on the tool rest in two positions. It could be used on the top for short and small tools and below for larger and longer tools. The speed of the wheel can be slowed down to a non burning speed. The big down side to it was that it is mounted on the lathes headstock which makes it unhandy to use for a quick touch up while doing your final cuts while turning.

WELDEE BAETSCH told of a motor upgrade that will soon be available for the Mercury lathe he showed at the last couple of meetings. He told of a piece of wood he had cut a couple of years ago and had painted the ends with white oil based house paint. When he went to turn it the inside wood had rotted away so it could only be used in a fire. He suggested that the clear sealer would be a better choice rather than the white

THE WOODS WOULD BE A VERY SILENT PLACE IF NO BIRDS SANG EXCEPT THOSE WHO SANG THE BEST



oil paint as he could have seen the rotting taking place in the wood. He offered a sanding tip he had read it in some magazine, which a lot of the members felt was very useful.

THE TIP: Apply duct tape to the back side of your sanding paper to extend its useful life. It also makes it easier to hold and use. Weldee showed some scoops he turned from various woods. On one of them he had to use wood filler because of small checks that appeared in the knots. Leonard Larshus added that he has used, and seen used, brass filings added to epoxy to make a unique crack filler. Art Tokach added that brass filings can usually be obtained from a Hardware Store that makes spare keys. Have a magnet available to separate any steel filings that may be in the mix. The aluminum pieces would add a different sparkle but the steel may rust, causing an unsightly effect.

RALPH FELAND must have some healthy mushrooms as they were larger than most that were shown. A nice job on the finish.

KELLY GEIR had two mushrooms with offset stems. Duncan asked to have them included in the Schools Showcase of our turned pieces.

BILL WHITE commented on the reason he didn't have any new turned items. He developed an inner ear infection and lost his balance and the doctor advised against operating any machinery until it cleared up.

DAVE KRUMWIEDE showed and talked about some pens he turned from deer antler. The old, found antler was white while the antler from a recently shot deer had a blueish look to it. Both were well done. He commented about the turnings as they begin with the material very lopsided. It takes sharp tools and patience to get a good pen. When asked he said he turned at around 1800 RPM.

PAT SCHWEITZER showed the mushrooms he turned they were also large and healthy.

DUNCAN WARREN showed some candle sticks he turned for a customer, one from walnut and the other two from customer supplied monkey wood. Even though the two were from the same wood, one was noticeably darker. Art Tokach commented that it may have happened when one of the pieces was accidentally

turned end for end and the grain of the wood that reflects light became reversed and this is why it now appears a different color. He advised to be very careful and mark a direction mark on the wood before cutting apart &/or turning. When asked how he duplicated the shapes so close to one another he said it was mostly luck. Some other methods were offered and discussed such as a shaded light in front that will cast a shadow for easier observation of the true shape rather than being lost in the 3-D effect you'd get otherwise.

This prompted someone to ask where good hardwoods such as this can be purchased. They were told that Roughrider Hardwoods in Bismarck has several choices and the shipping cost is included in the price. If wood is ordered from out of town you should inform them about your intended project, the size and type of wood desired. By ordering in this manner remember the shipping is by weight. Some others that were mentioned were, "One Good Turn" from Utah. Brea Hardwoods in Ohio. Randle Wood in Washington has a lot of big leaf maple. For more names and information refer to the AAW magazine &/or directory. At the National Symposium in July there will be rooms of wood. So plan to bring some exotic wood home with you if you go. A lot of local wood is available right here at the meetings for a small donation to the club treasury where you will realize a double return, because the money collected goes toward our education. A lot of it is green wood but some has the end grain sealed. It's not exotic but it all has cost effective potential.

JIM FINE asked for directions for finishing cocobolo as he could not get it to dry. It remained tacky. He was told that the wood is very oily and should be cleaned with acetone or lacquer thinner before trying to apply a finish. The same is true when using glue or adhesives on these oily woods. As to a finish Bill White says he only uses shellac as a finish on these oily woods because of the alcohol it contains.

NORBERT BERNING showed an article he found in a March-April issue of "Handy" on pages 20 to 24. It is written by Alan Lacer. It deals with turning green wood from the woodpile. Find the magazine on a newsstand or see Norbert to read it. It is a timely subject with Alan coming next month.



## MEETING MINUTES

G

The regular meeting was called to order by acting President DUNCAN WARREN at 10:45 AM. There were 24 members present. The reading of the minutes of the previous meeting were suspended. There were no guests and we now have 39 paid up members. It was mentioned that the E-Board will meet at 7PM on Monday evening at the Dakota Farms in Mandan

Symposium Committee Chairman DUNCAN WARREN reported that NO one beat Cliff in signing up. In fact until today only he and Cliff had signed up. Today we have 15 signed up. He reminded all to get their registrations in soon. Its like Cliff says if you know you are coming why not ease the committees minds by registering early.

WELDEE said he was passing around a sign-up sheet for the set up and take down committees. We will be able to begin our set ups after 3:30 PM on Friday.

DUNCAN said to watch for a Schedule for the Symposium that will be in the next newsletter to all 2001 Symposium Participants.

Me

APRIL MEETING CANCELED! It was Moved, Seconded, Discussed and Passed to cancel the April 14th Meeting because of the Easter Holiday and the Symposium that will be held the following weekend. The next regular meeting is May 12, 2001. Because of the Symposium, there will be no April Challenge. The May Challenge will be introduced in Duncan's article "The Good, The Bad & The Ugly". Note there it has a special twist.

LEONARD LARSHUS told of his new job as Club Librarian. He would like to thank CAROLINE HAAKENSON for her work with the Library before he took it over. He showed the new soft sided suitcase he purchased to hold our Videos and sign out sheets. Because it has small wheels he wondered if it qualifies as a BookMobile. He advised anyone who has a video checked out to bring them back for others to use. There is no rental charge but we would like to keep them in circulation within our membership.

THE "BRING BACK", a Turned Grain Scoop turned by Weldee Baetsch, was won this month by CLIFF The RIME. Also drawn were Jim Fine and Weldee Baetsch

for a 5/8" dia. plastic tool rest riser from Art Tokach. Art also gave a piece of tool steel to make a thin parting tool to Earl Setterlund. Jim Murschel and Pat Schweitzer won a turned mushrooms from Lenard Ressler. Other names drawn but not present were, David Schmidt, John Gerhardt, Melvin Sorstokke, Bryce Hill, Vivian Gillette, Milton Westgard, & Mort Johnson.

CLIFF RIME says he heard that at Duncan's Birthday Party held recently the he had so many candles that it set off the fire alarms and the fire marshal had to be called for possible arson. Cliff gave each person present a pair of birthday candles each in their own holder.

NEWSLETTER LAUDED. Before the close of the meeting Jim Fine commented about the high quality of our Newsletter. He said that his wife, who was a secretary, reads every issue and found the minutes to be well written and one of the best she has seen.

After a round of applause and some good natured kidding about my swelling head and my hat not fitting, I admitted that it does take time but I wouldn't be doing it if I didn't like to do it.

A heart felt compliment like that will keep anyone warm during even a long North Dakota Winter. Thanks to all who have commented recently to me about our Newsletter. As many of you may have figured out. The reason I do the minutes like I do is that I want those who can not attend, to wish they had attended. Something like a guilt trip!! Just Kidding!! I really want them to know as much of what happened at the meeting as I can relay to them. As far as getting everything noted before I leave the meeting all I can say is, I better get at the notes right away that afternoon, while they are still fresh in my mind or they will be like Greek to me. The first draft is finished by 3 PM. Polishing continues right up to printing time.

### THANKS TO ALL !

Meeting adjourned at 11:15 AM

Art Tokach, Secretary

One kind word can warm three winter months

PAGE THREE



## E-BOARD MEETING

Seven officers of the E-Board and one guest, Jim Murschel, attended the 7 PM meeting at the Dakota Farms In Mandan. Past President Duncan Warren conducted the meeting because Pres. Bryce Hill was out of town on City business.

The 2001 Symposium was the main topic of discussion. We want to remind all participants that this is a HANDS-ON WORKSHOP. If you own a Mini Lathe you are asked to bring it. If your lathe is too large to be easily moved you will be able to buddy up with some one with a Mini Lathe. There will be lathes available, BUT, you will need your own lathe tools so you can learn how to sharpen them and to use them to your best advantage. Be sure to mark your tools and accessories. A 5 Gal. bucket is an ideal place to keep your tools together and to transport them.

**WHY ?** Some members have questioned why we are having two of the same instructors again this year. We feel that these two know what we have been instructed in before so a lot of that material can be omitted and new things shown and shared. We also know that it is impossible to attend all of the classes so we advise that you read the enclosed information sheet very carefully about what each instructor will be doing and plan which projects you want to take part in.

**LUNCH.** Lenard Ressler is again in charge of the lunches (which are included in the registration fee and will be served on site). Each noon the Mandan Moose Club will cater soup or salad with a sandwich. Coffee & donuts will be available most of the day, along with some canned soda for a donation.

**SPOUSE FEE IS \$15.** That was not a typographical error on the registration sheet. Your spouse will only be charged \$15 extra if you attend. We hope that a lot of your wives will take part and make it a joint weekend event. They will be eligible for all the classes or can help Myrle out in the Instant Gallery.

**DIRECTIONAL SIGNS.** Caroline Haakenson will make the direction signs again this year. In the Schedule of classes that is included in this newsletter the rooms will be named for the instructor who will be doing their major instructing there. **RUS HURT** will be in

the same room he was in last year. **ALAN LACER** will be down the hall to the south in the Auto Mechanics Class room. **BONNIE KLEIN** will be in the shop where our meetings are held. We hope to hold all classes to a equal number of students. The classes will rotate and the instructors will remain in their assigned rooms.

**SET-UP TIME.** Participants may begin to bring in and set up their Mini Lathes and tools into a classroom beginning at 3:30 PM on Friday. The first class will begin at 7 PM that evening with a general meeting.

**TURNING MATERIALS.** There will be some turning material available. BUT, You may want to bring your own. You'll need several pieces of 2X2 soft wood such as pine or poplar for spindle turning practice. Also some 2 X 2 pieces of hardwood. For the bowl classes bring some wood ready to mount or already mounted on your faceplate &/or chuck.

**DRAWINGS** for tools and other items are planned following the Critique and Symposium Summery. If anyone wishes to donate a Gift &/or a tool bring it along. See Duncan early before the final meeting.

**INSTANT GALLERY** Each participant is asked to bring at least three items for display in the Instant Gallery. You may bring more if they are small. Be sure they are properly identified and if for sale, have price tag.

**CRITIQUE.** We know the value of having our work critiqued by some one with more experience than we have. At the conclusion of our classes on Sunday we will ask the instructors to say a few words about items that you will have chosen. Pick wisely!

**FUTURE MEETINGS.** Besides the 2001 Symposium we did discuss future meetings and challenges. We will have a wood ID Class at Pats shop this summer. It will deal with both local and exotic woods. Pat will also conduct a class pertaining to tools and tool selection and use.

**FUTURE CHALLENGES.** In Duncan's article he will tell about the May Challenge. You will be asked to turn something you learned during the 2001 Symposium and to turn it from a local wood that he will announce in the article.



**GAVEL PROJECT.** The Bismarck Rotary Club is still interested in paying to our clubs treasury to turn or make a gavel for their recent past presidents. Bryce Hill and Duncan Warren have a list of who they are and their profession. For ideas of what has been made for previous Presidents, they have the collection in a display case at the Bismarck Elks Club. They wish to have two made, one for the show case and another for the person.

**PICNIC TIME CHANGE.** Mickey Tokach has requested that we exchange the July Meeting at Pats Shop with the August Picnic at Duncan & Myrles'. She reasons that we are competing with the bee's and yellow jackets in August and not so much in July. This will be on the May Agenda for your consideration.

**MANDAN ART SHOW DEADLINE** is March 28th. You may enter up to four miniature items. The Mandan Art Show is on April 28 & 29, the following weekend after our Symposium. While we will not be demonstrating there this year it is a great place to display your turned art work. Plan to enter & attend.

Meeting broke up at 8:05 PM  
Art Tokach, Secretary

## THE GOOD , THE BAD , THE UGLY

**BOX ELDER** A member of the maple family. It is a very common tree in N. D . Many people think the box elder looks ugly and should never be planted. It is a very hardy tree and can be found on old farm stead's that have been abandoned long ago.

The wood from a box elder generally has various colors. ie: Black streaks, red, yellow along with a general white or cream color. Box elder lumber is very rare to non existent. Box elder turns very well and makes beautiful plates, bowls, etc.

Box elder burls produce very beautiful turnings. But not all burls of of high quality because some are hollow, which will bring out the the artistic ability of the turner. I encourage you to turn this wood green. Let it dry and then return with sharp tools.

The challenge for the May meeting is to turn an object of your choice from box elder using a technique

you learned at the April Symposium. Example: Bowl, small box with or without a lid or a spindle turning.

Remember that beauty is only skin deep and so is ugly. Keep the chips flying !!  
Dunc.

## FROM THE PREZ !

The Dakota Woodturners 2001 Symposium is just around the corner. We have waited for this event for a year and a few weeks. The time will have arrived. We have three outstanding turners that will help us sharpen our tools, but more appropriately sharpen our skills.

**BONNIE KLEIN, RUS HURT, and ALAN LACER** will be our featured turners. Each is emineatly qualified and will add a great deal to our Symposium. There will be approximately twenty hours of instruction (Check the enclosed schedule). Come join us for a Wonderful Weekend of truly fun and enjoyable wood turning.

As per usual, the "Show & Share" part of the March 10th meeting was outstanding. Keep up the great work. There will not be a regularly scheduled Meeting on April 14th, so there will not be a "Show & Share". However, each participant should bring at least three turnings for the Symposium's **INSTANT GALLERY**. We will have various turning displayed. Let your friends and family know about this.

For the Symposium we will need a lot of help to make it successful. If an officer asks for assistance, please jump in and do what is necessary. All of our Symposiums have been successful because its a joint effort.

I trust all are currently enjoying the Spring thaw and getting your tools, lathes etc. ready for the Symposium. I look forward to seeing you on April 20 21 & 22, 2001 at the Symposium.

Check your TV listings. Sometime before the Symposium, C.A.T.V.or Public Access TV will air some of our newest video's on sharpening and small scale turnings by Mark St. Leger.

Bryce Hill, President

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## UPCOMING WOODTURNING EVENTS

- March 31, 2001      Deadline for entries to  
Mandan Art Show
- April 14, 2001      Regular Meeting Canceled
- April 20, 21, 22, 2001      3rd Symposium with Lacer,  
Rus Hurt and Bonnie Klein  
INFORMATION & REGISTRATION  
IN APRIL NEWSLETTER
- April 25, 2001      May Newsletter Deadline
- April 28, & 29 2001      Mandan Art Show at Mandan  
Community Center
- May 13, 2001      Regular Meeting 9 AM at  
Mandan High Wood Shop  
May Turning Challenge:  
Turn something you learned at  
Symposium out of Box Elder

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## INSTANT GALLERY

**April 21 & 22, 2001**

Each member asked to bring three  
Turned items for display

Bring your family and tell your freinds  
about the Instant Gallery

Walk Around Critque  
on Sunday at 4 PM

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# Dakota Woodturners Mini Symposium

APRIL 20-21-22, 2001

MANDAN HIGH SCHOOL WOODSHOP

FRIDAY – APRIL 20<sup>TH</sup>

7:00 P.M. -9:00 P.M.

Getting acquainted: Bonnie Klein, Alan Lacer and Rus Hurt will share with us an insight into their work, how they got started, their interests and progress to the present. We will be introduced to their homes, shops and travels. We will also be challenged by their program goals for the next 2 days of this Symposium.

SATURDAY – APRIL 21<sup>ST</sup>

8:00 a.m. –8:30 a.m.

General Assembly  
Tool Sharpening – Discussion on how and why.

8:30 a.m. – 9:35 a.m.

ROTATION I

Bonnie Klein – Sharpening all tools ½” or smaller  
Alan Lacer – Sharpening skewers, parting tools & scrapers  
Russ Hurt – Sharpening, roughing gauges, large bowl & spindle gauges.

This is all HANDS ON so bring your turning tools, large & small. These sessions will be one hour and five minutes. Then the groups will rotate areas:

9:35 a.m. - 9:50 a.m.

BREAK

9:50 a.m. – 10:55 a.m.

ROTATION II

Participants in Demo I go to Demo II, Demo II to Demo III, Demo III to Demo I



10:55 a.m. – 12:00 p.m.

**ROTATION III**

Participants in Demo II to Demo III , Demo III to Demo II,  
Demo II to Demo I

12:00 p.m. – 12:30 p.m.

**LUNCH**

12:30 p.m. – 5:00 p.m.

**AFTERNOON SESSION**

12:30 p.m. – 1:00 p.m.

General assembly for 30 minutes to discuss the techniques  
of use of newly sharpened tools.

1:00 p.m. – 2:10 p.m.

**ROTATION IV**

Hands on turning session in each of the three demo rooms.

2:10 p.m. – 2:25 p.m.

**BREAK**

2:25 p.m. – 3:40 p.m.

**ROTATION V**

Continue with hands on sessions in demo room

3:40 p.m. – 5:00 p.m.

**ROTATION VI**

Continue with hands on.

**SUNDAY - APRIL 22<sup>ND</sup>**

8:00 a.m. – 9:35 a.m.

**ROTATION VII**

Bonnie Klein – Small turnings – boxes – threaded boxes –  
tops, etc.

Rus Hurt – Natural edge – hollow turnings, etc.

Alan Lacer – Dances with skewers – tops – eggs & other  
things

(These will be hands on in demo rooms)

9:35 a.m. – 9:50 a.m.

**BREAK**

9:50 a.m. – 10:55 a.m.

**ROTATION VIII**

Return to demo rooms.

10:55 a.m. – 12:00 p.m.

**ROTATION IV**

Return to demo rooms.

(Sunday morning participants choose their own demos)

12:00 p.m. – 1:00 p.m.

**LUNCH**



1:00 p.m. – 3:00 p.m.

## ROTATION X

Bonnie – Finishing small turned objects-types of finish  
Rus – Prep of work before finishing – applying finishing  
Alan – Understanding finishes, option and different results

3:30 p.m. – 5:00 p.m.

## General Assembly

Critique of Sessions and selected items from instant gallery  
by Alan, Rus and Bonnie.

Drawings for door prizes.

## BIOGRAPHIES

ALAN LACER – Charter member of the AAW and past president – Recipient of the 1999 Lifetime Achievement Award from the AAW. Alan has been involved in the wood turning field for over 20 years as a turner, teacher, writer, exhibition coordinator and demonstrator. Alan's work has appeared in regional and national shows and has worked and demonstrated turning in over 30 states and four foreign countries. His writings have covered technical aspects of turning, historical commentaries and turning traditions in Japan and Germany. His articles appear in the "American Woodturner", English Magazine, "Woodturning", American Woodworker and many more. Alan lives in Troy, Wisconsin.

RUS HART – Founding member of the AAW and served as the first secretary to the Board of Directors from 1986 to 1992. Rus's work on the lathe ranges from utilitarian to the sculptural and purely ornamental, often blends a pleasing mixture of both. His commitment to the process, to detail and to understanding wood give a character and depth that accompany his work far beyond the basic bowl. Rus has written articles and photographed for AAW Magazine, and has demonstrated for many groups, including the Dakota Woodturners and the AAW National Conference in Ohio. He conducts workshops at his own workshop "Gitchi-Gummi". He lives in Portwing, Wisconsin.

BONNIE KLEIN – Hails from Renton, Washington. She has been a serious woodturner for over 20 years and is well known for her small scale turnings, teaching and demonstrations. Recently Bonnie was appointed to the 9 member Board of Directors of the AAW on which she served for six years, five as Vice President and Conference Coordinator. Bonnie designed and manufactured the first serious mini lathe which started a new direction in small scale woodturning. With these small lathes she has been able to travel and to teach in schools, 4H groups and others. She has volunteered many hours of teaching and sharing woodturning with kids. Material she uses is not limited to wood, but to other materials such as bone, aluminum, plastic, tagua nuts and horn.



## OH! My Aching Back

Most of you will recall my embarrassment with my new "Delta Midi Lathe". Where in my haste to try it out I had forgotten about the belt tensioner. I hope you got a little chuckle out of it. I did just writing about it. I know several of you commented about it at the following meeting. Well, I recently had another learning experience with that lathe that I'd like to share with you. This time it's about my Aching Back!

Before I purchased the lathe, my wife asked me, "Just where in that shop of yours are you going to put another lathe?". I told her that I had the perfect place to set it up. I had an old sturdy shop table with metal legs that I'd used when I was making carving knives. All I needed to do was clear it of the "stuff" that was there. And I told her it was the perfect height of 30" or so I thought.

I measured the height to the center line of my old lathe and figured how much I needed to raise the bed to correspond to it. I also wanted to have it the same height as the Shop Benches at the School Shop so I could bring it with me to the Symposium. I found the height of my elbow from the floor and figured it would be about an inch short. I figured I can live with that. That was the first big mistake.

Soon afterwards I mentioned to my wife that I found myself having to sit down and rest my back when ever I was turning for even a short time. Her reply really surprised me. She asked if I'd recently double checked the measurements I had taken.

Now was that insulting or what? I had been brought up with the Ol' timers motto, "Measure Twice, Saw Once". But, her question got me to thinking.

Now you all know that I'm not vertically challenged, but, as we age we shrink a little as the cartilage between our joints shrinks. I know that I'm not as tall as I once was, so maybe I better recheck the height to my elbow.

Another thing came to mind. I recall of a vertically challenged (short) individual that needed a small platform to stand on to comfortably operate a mini lathe set up on a table.

Because of the cold concrete floor in my shop I had been standing on an old door mat to insulate my shoe soles from the that cold floor. Wasn't that mat (which was only 3/4") just like a small platform that the other turner was using?

Well to make this story shorter, I did recheck and the measurements were off by almost three inches. More than enough to make me bend over while operating my lathe and give me a back ache.

Where had I gone wrong? Apparently it was several small errors that together made a big difference. 1st; I had assumed the table top was 32", it was only 31.5". 2nd; The center of the shaft height above the table was only 12.5" or a total of 44". 3rd; My elbow height standing on the floor mat turned out to be 47".

All of the experts agree that the shaft center on a lathe should be the height of your folded elbow plus or minus 1". If too low you will experience lower back pain from bending over for long periods of time. Too high will give you upper back and shoulder pains from reaching up to operate the lathe.

Here's how I measured the height of my elbow. While standing on the doormat, I took a ruler and placed it under each of my folded elbows. Similar to how we measured the height of our kids as they grew. I marked these points on the door frame. They were very close to the same. I then measured the table height and the difference to the center of the shaft. I redid the blocks that the lathe is mounted on and now I'm ready for the Symposium in April.

My back feels better now when I turn, but I still sit and rest from time to time. It must be the OldTimers!

Art Tokach

P.S. At the March meeting you may have seen me measuring the shop benches at the school, they are 33" high, and most banquet type tables are 32". If you are bringing a folding portable bench be sure to measure it and adjust for the difference. Even a short term back ache hurts.

A person who aims at nothing has a target he can't miss





Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgrm Weldee Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach

# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

MAY 1, 2001

ISSUE # 45



## MEETING NOTICE

MAY 12, 2001 9:00 AM

REGULAR MEETING

MANDAN HIGH WOOD SHOP

9 AM EARLY CLASS AND

"SHOW & SHARE"

10 AM REGULAR MEETING

### MAY CHALLENGE

TURN SOMETHING YOU LEARNED AT

SYMPOSIUM FROM BOX ELDER

10:15 CONTINUE TURNING

### SYMPOSIUM OR SEMINAR

You may be aware that for many years I have been involved in woodcarving where we held Seminars, and Workshops. Then I took up Woodturning and here we call it a Symposium. I never bothered to look up the difference until recently. According to my Webster's Dictionary I found that a Seminar is a group of students working on or researching a single subject. In carving it usually is instructed by a talented Woodcarver on a single subject or project and at the end of the seminar each took with them a finished or near finished item that they worked upon.

A Symposium on the other hand is a conference to discuss a collection of opinions and techniques on some subject. In our case, woodturning. While the goals are similar, the context is more varied in the symposium and through hands-on experiences we took with us the ability to plan and work on a future project. The only concrete items any of us take with us are the study pieces of mistakes and errors we all were encouraged to make. MISTAKES ARE OUR BEST TEACHER!

THE ONLY REASON SOME PEOPLE LISTEN TO REASON IS TO GAIN TIME FOR A REBUTTAL

RUS HURT summarized it best when he quoted, "Learn from the mistakes of others, You'll never live long enough to make them all yourself".

I will not attempt to report all that happened during the Symposium it would be fruitless to even try. Instead you will find a separate photo section and text expertly done by CAROLINE HAAKENSON.

### FRIDAY EVENING

We were introduced to our instructors on Friday evening and through slides we were shown about their lives, homes, shops and many other experiences.

BONNIE KLEIN led off and showed her shop and her view from it. She also shared everything except the smell involved in preparing beef bones for making boxes.

RUS HURT talked and showed through his slides how to find ideas in Nature that can be used to improve the beauty in our work.

Through a slip-up by ALAN LACER of picking up the wrong slide carousel, we even got a preview of a Museum Art Show about Woodturning, titled "Nature Takes a Turn". These slides will go to the printer this week to be included in a catalog for that showing during the 2001 National Symposium in St. Paul on July 6, 7 & 8, 2001.

### SATURDAY MORNING

To make it easier on the instructors we were split into three equal sized groups for the symposium classes. I'll try to relate highlights that I witnessed within my group. Remember, these are observation I experienced and my notes don't always cover all that was said. And, it is what interested me! And don't forget what I said last time, after 24 hours my notes look like a foreign language to my eyes.



## Hands-On Sharpening

Is there any other way to learn this very vital subject. Each instructor covered their favorite tool. We were shown the spark test to tell difference between Carbon & High Speed Steel(HSS). The carbon steel gives off a lot of long sparks that divide. The spark from the HSS is short with a darker orange color and does not split. RUS used a gouge he found at the school as an example of bad tool sharpening. This tool had several bevels, angles and facets. Each person in my group found different things wrong with this tool it was So Bad!

## FACTORY SHARP? WHAT IS IT?

RUS was very critical of the tool manufactures because they don't listen to the woodturning experts that are teaching the students the proper method of sharpening the tools after purchasing them. It seems that they just want to sell tools rather than keeping the buyer happy with what they bought. He stresses to have the tool work for you not you working for the tool. RUS suggested that we use a piece of 3/4" black pipe to make a large tool so we see what needs to be done.

## IS IT A SPINDLE OR A BOWL GOUGE?

This has puzzled several of our members. Each instructor showed us how to properly sharpen each of them and we were given the chance to use each on a study piece. While none were kept, the chips on the floor was proof what we had tried.

BONNIE used large wooden examples to show her points in sharpening. She also showed how she uses her lathe for sharpening using an abrasive paper on a wooden faceplate. She stressed that we must know the direction of the grain where the tool is to be used. Spindles have the grain running parallel to the lathe bed and need a longer bevel. On a Face plate the grain runs the same way as the face plate or 90° to the lathe bed. She obtains her initial top bevel with a belt sander. When asked about getting the edge of a tool blue, she answered that the color is an indication that the steel has gotten to 600° F. If you have carbon steel tools it may have gotten a little soft on the very edge. Usually will not hurt all of the metal but will need resharpener soon. If you have HSS steel the blue color will not have gotten it too hot because it will handle higher temps before it softens the metal.

She uses the A - B - C's of turning. ANCHOR - Put tool on tool rest. BEVEL - Rest bevel lightly against the wood. CUT - Bring the cutting edge into position.

## SHARPENING THE SKEW !!

ALAN LACER is an expert on sharpening the skew to get the best from the tool. It is the only tool that is honed so that it shears or cuts the wood rather than scraping and making sawdust. He showed through demonstration all 10 of the cuts that can be performed with a skew. All done on a spindle. For your safety!! DO NOT ATTEMPT TO USE A SKEW ON A BOWL

## SUNDAY

On Sunday each instructor switched to demo's. We were shown how each does their specialty and finally how a final finish is applied.

RUS showed how to turn a natural edge bowl from Box Elder and a small hollow form from a tanga nut. He explained his finishing because the wood was still green and wet. He will complete it later when dry.

BONNIE amazed us with her chatter work. Her first piece was completed in about 10 second. The spinning tops she made were fun to use and watching her turn them with such ease was great. She also demo'd both inside and outside thread cutting.

If anyone doubts ALAN's mastery with the skew he should take a second look at what he can do with it. He began by making a 1/2" dia. spinning top done with a 1 1/2" skew. He followed that with a 1/4" dia. top.

## CRITIQUE TIME

All good thing come to an end and this was one good time. Each instructor was asked to choose three or four pieces from the Instant Gallery to tell what they liked or disliked about the piece. Being true diplomats they didn't cut anyone's work too bad, we will all live to turn another day.

AT LAST THE DRAWING: It wasn't planned that way but every class mate received a prize to take home with them. These prizes came from local and mail order businesses and from fellow members who wished to share.

## THANK YOU FOR THE PRIZES

The following businesses donated items or money for door prizes at the Symposium. They are listed in



alphabetical order - Ace Hardware- Acme Tool Crib -  
Craft Supply of Provo, UT - Flash Print - Heritage  
Doors - H&L Tool Sharpening - Mac's Tools - Rockler  
Tools -

The following members shared gifts with us. Weldee  
Baetsch - Bob Olson - Bryce Hill - Caroline  
Haakenson - Lenard Ressler - Pat Schweitzer -Jim  
Swanick - Art Tokach - Duncan Warren -

## THE SYMPOSIUM CHAIRMAN SAYS THANKS

The 2001 Symposium is now history. I hope you  
learned the lessons well, went home and practiced the  
sharpening and cuts before you forgot.

The committees worked great. Without them we  
could not have had such a successful two day plus  
turning experience.

WELDEE BAETSCH and his crew moved chairs,  
tables, saws out and tables, lathes, grinders etc. into  
class rooms. And at the end of the session set the  
rooms back in order.

CAROLINE HAAKENSON'S committee set up the  
coffee breaks in fine manner. It was so good that the  
Jr. High music students even found the doughnuts.

LENARD RESSLER- Great job on the noon lunches.  
And BRYCE HILL and PAT SCHWEITZER on securing  
interesting Door Prizes.

MYRLE, MICKEY, BARB and VARONA did an excellent  
job in the Instant Gallery.

CAROLINE teamed up with JIM MURSCHEL in placing  
the signs indoors and on the street corners. Good Job.

BRYCE organized finances and information very  
well. Good TV coverage. If I forgot your name or  
committee I apologize. I thank you all for a job well  
done.

ALAN, BONNIE and RUS were great to work with and  
did an outstanding demo and HandsOn.

KEEP THE CHIPS FLYING DUNC

## FROM THE PREZ

First and foremost, a great big THANK YOU to the  
officers and members of the Dakota Woodturners. Our  
2001 Symposium was a wonderful success. All of you  
pitched in and made things happen. When you have  
cooperation and assistance like that Success will  
always be achieved.

A very special THANK YOU to DUNCAN WARREN, you  
put a lot of time and effort into making the 2001  
Symposium truly a successful event. Each and every  
year our Symposium has achieved a higher level of

success. This only happens when you have everyone  
working toward the same goal. Our challenge is to take  
next years 2002 Symposium up a notch.

Our Symposium instructors were truly three of the  
outstanding teaching turners in the United States.  
BONNIE KLEIN, RUS HURT and ALAN LACER did an  
outstanding job of helping us develop our skills and  
take us to a higher level of sharpening and turning.

This year we were able to have several young people  
join us for the Symposium. We must develop young  
people's interest in turning for the future.

Again THANK YOU to all the DAKOTA WOODTURNERS  
for making the 2001 Symposium a rousing success.  
BRYCE HILL, President

## E-BOARD MEETING

The E-Board met at the Dakota Farm on April 23rd  
to review the results of the Symposium. Not all of the  
bills have been presented so a more complete review  
will be done at the May 12th meeting.

Everyone was very pleased with the quality of the  
symposium. The instructors were very good. We  
discussed what we would do to better this years.  
Taking a poll of this years participants was discussed.  
We will wait until later to decide what we will do next  
year.

The treasurer is authorized to pay our 2001 dues  
of \$40 to Dakota West Arts Council

The Challenge for May is making something you  
learned at the Symposium out of Box Elder. It can be  
anything, any size. Have it ready for the "Show &  
Share".

LENARD RESSLER will have the small boring bar he  
made for the mini lathe there for a demo. There will  
also be a video on using a Bowl Saver to cut extra  
bowls. There will also be grinders there if anyone  
needs help improving their tools.

We have been asked to make some "Gavels" for the  
Bismarck Rotary Club. That will be the June  
Challenge and we will have an instruction period  
during the May meeting to suggest some unique things  
we could include for them.

DON POLLOCK needs our assistance in turning out  
some Lighthouses that he hopes to use as table favors  
at the Eastern Star State Meeting. He needs 300  
turned before the end of May. He has some blanks  
ready along with a plan for turning. Contact Don at  
222-4006 to help him turn these.  
Meeting broke up about 8:15 PM



## UPCOMING WOODTURNING EVENTS

- May 12, 2001      Regular Meeting 9 AM at  
Mandan High Wood Shop  
May Turning Challenge:  
Turn something you learned at  
Symposium out of Box Elder  
E-Board Mtg at Dakota Farm
- May 14, 2001
- May 23, 2001      June Newsletter Deadline
- June 9, 2001      Regular Meeting 9 AM at  
Mandan High Wood Shop  
June Challenge "Gavels"  
Bring with or Turn at Mtg
- July 6, 7, & 8 2001      National Symposium in  
St. Paul, MN
- July 14, 2001      July Meeting Delayed because  
of National Symposium  
Held at Pat's Shop

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### An Appeal from Don Pollock

In a weak moment Don agreed to make for the Eastern Star, 300 Table Favors in the shape of a Lighthouse by the end of May. If you could turn 5 or 10 (or more) he'd appreciate it and get him out of a bind.

They need to be made from 1 1/2" dia. wood and be 3 3/4" high. They don't look too hard and Don has some blanks available if you need the wood. See the NOT to scale drawing elsewhere.

Call Don at 222-4006 when completed

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OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgm Weldee Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach



# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

JUNE 1, 2001

ISSUE # 46

## MEETING NOTICE

JUNE 9, 2001 9:00 AM

REGULAR MEETING

MANDAN HIGH WOOD SHOP

9 AM EARLY CLASS AND

"SHOW & SHARE"

10 AM REGULAR MEETING

JUNE TURNING CHALLENGE

A PLANTING PIN( BELAYING PIN)

TURN, USING ONLY A SKEW

10:15 CONTINUE TURNING

### "SHOW & SHARE"

ART TOKACH led off the "Show & Share" so he could concentrate on the rest of those who participated. Most of what he talked about can be found in the "Brass Filings" article elsewhere in this Newsletter.

EARL SETTERLUND followed with some experiments he recently completed about threading a turned box similar to Bonnie Klein. He has fitted a machinist vise to his Shop Smith. He showed examples of some of those he has finished. He is going to try hardening the threaded area with CA glue so it doesn't chip off the top edges of the threads

RALPH FELAND showed some bowls he turned earlier and found some spots were dry and the wood chipped away easily. Duncan suggested that he spray the wood with plain water or water mixed with alcohol or vinegar. He has also used 50/50 soap and water to replenish the moisture in the wood.

LENARD RESSLER showed several offset turnings and explained a procedure he uses with his Nova Chuck to throw the wood to one side or the other by 1/4". A very unique and simple method to use.

He also showed several methods of holding a bowl to turn the foot area. Someone asked if he dreams of these when ever he sleeps. He says he has gotten up in the middle of the night to make a note of an idea. I tried that once but couldn't understand the note in the morning.

LEONARD LARSHUS had some bowls he had turned while green and finally got around to finishing and had experiences with dry spots similar to Ralph's problem. He commented that "Soft wood sands and hard wood doesn't" and you have to be aware of this whenever you are sanding or you will end up with grooves where you don't want them. He showed how he used brass filings to fill in cracks in a knot area. He made his filings with a file and a brass pipe. He also showed a bowl he turned from a crotch of a limb of a walnut tree. The grain was very prominent. Nice job!

BRYCE HILL showed and discussed some of the problems he is having with a lamp he is turning. A good place to find ideas about lamps is in a lighting catalog.

### HONORED

Duncan heard through the AAW that BONNIE KLEIN has been chosen as one of the TOP TEN INTERNATIONAL Instructors for 2001. She will be at the St. Paul National Symposium on July 6, 7 & 8, 2001

### LOST

DUNCAN reports that RON WILLIAM lost or misplaced a 1 1/4" roughing gouge with an imprint of "Crowns". If you find it in your tool kit please return it to either DUNCAN or RON in Moorhead, MN.

WE CREATE NOTHING, EXPRESS NOTHING; WE ONLY DISCOVER OR UNCOVER WHAT IS ALREADY THERE



## FOUND

PAT SCHWEITZER found a 5/8" Marples spindle gouge left on his grinder that was used in Bonnie's classroom. If you're missing one contact Pat and he'll get it to you.

## WRONG I.D.

The miniature turned cowboy hat that was displayed with Pat Schweitzer's collection at the Instant Gallery was turned by Johannes Michelsen not by Pat.

## GLUES ADDENDUM

DUNCAN wished to point out some important things about "CA" glue that were not brought up in the "GLUES" article that was in an earlier issue.

#1 DO NOT use the thin type CA glue to attach wood directly to a metal face plate, it will fail at the most inopportune time. Use Medium or Thick.

#2 Apply the CA glue onto the wood and the accelerator spray to the metal. Give the piece a twist when matching them together and apply pressure for a minute or so.

#3 if you see a slight gap between the faceplate and the wood you can apply a small bead where they join.

Someone asked how you clean up your faceplate after using CA and removing the wood. It was suggested to use Acetone with plenty of ventilation to soften the glue.

## UNSAFE PRACTICES

DUNCAN observed some unsafe procedures during the Symposium. One was turning an out of round piece improperly. He suggest to always start your cuts on the tail end where the wood is solid. Proceed toward the outside to bring it into round. This method can also be used on a natural edge bowl.

PAT SCHWEITZER showed a vase he turned from a big leaf maple burl. It had a natural edge and was 4" to 5" in diameter and about 9" deep. He added a decorative ring that set it off. Beautiful grain!

VERN HANSEN recently returned from Hawaii where he arranged a wood swap between a turning club there and Duncan. The club there has shared with us a CD about some of their activities and their wood. If we can we will arrange for a viewing at the next meeting. Duncan has a piece of Norfolk Pine and another exotic wood.

## REGULAR MEETING

President HILL asked to go directly into the meeting. It was called to order at 9:50 with 22 members present. It was reported that on April 1st, we dropped 8 members and we picked up 6 at the Symposium and now have 50 Paid up members. None of the new members attended this meeting.

The reading of the minutes of the March meeting were suspended because everyone had received a copy by mail.

## THANKS DUNCAN

BRYCE thanked DUNCAN for all the hard work of putting the Symposium together, He also Thanked all those who helped out with the set-up before and the clean up afterwards. He also thanked CAROLINE HAAKENSON for the Great job of taking the pictures and writing the photo report. EARL SETTERLUND added that he has a video he took of the Symposium and will share it later after editing.

BRYCE & DUNCAN attended a meeting recently about a proposal by Beth Demke from the Bismarck Science Center to rent the Old Workman's Comp Building in Bismarck, after they move later this year. They wish to make it into an Arts & Craft Center where space could be rented by clubs. It was Moved, Seconded, Discussed and Passed by a Voice Vote to send a letter of refusal to them. Our biggest objection was that we could not afford the rent and keep our membership fees low.

## IT WAS A PLUS

KELLY GEIR reports that we did not lose any money at the Symposium and in fact made a little. It was Moved, Seconded, Discussed and Passed by a voice vote to use some of the money to purchase all five video's that Bonnie Klein has of her teachings. The treasurer will order them and the librarian will have them in his care.

## WE ARE A YEAR 'ROUND CLUB

BRYCE reminded all of us that we will continue to hold our meetings all summer long on the Second Saturday of each month. He read a list of dates and sites where we will meet. We realize that many members have other obligations and can not make all of the meeting and that is why we are publishing the



schedule now. It will be repeated in each newsletter.

LF

### MAY CHALLENGE

The May Challenge of turning something from Box Elder is a success by the number of items turned. Some of those who accepted the challenge. Duncan Warren had a natural edged bowl that was turned green and the bottom was all red. Cliff Rime had two small bowls. Lenard Ressler had two huge green turned bowls that he plans to dry and then finish turning. Leonard Larshus showed a shallow bowl. If I missed anyone I'm sorry I didn't write it down.

### JUNE CHALLENGE

The June Challenge will be to turn a "Planting Pin". You Navy guys may call it a "Belaying Pin". While the challenge may look easy. BRYCE has added a further challenge to turn it entirely using only a SKEW. Wood choice and size are optional.

### NATIONAL SYMPOSIUM IN ST. PAUL

BRYCE reminded us of the National Symposium to be held on July 6, 7 & 8, 2001 in St. Paul. He added that as many of our member as possible should plan to attend as it will never get this close to our area again for a very long time. He has some more applications available and noted the place to indicate that you would volunteer to help out there.

### BRING BACK

The BRING BACK of a "Round Tuit" turned from cedar by CLIFF RIME was won by BILL SWENSON after a rather lengthy drawing where 13 names were drawn that were not present or had won previously. They are as follows: Harley Hassler, Ron William, Marlene Roles, Ted Livesay, Carlton Leverson, Earl Nelson, Mort Johnson, Tony Martin, Leroy Boespflug, Bobby Pedigo, Kelly Geir, Cliff Rime, Jim Fine.

The June Meeting will be held at the Mandan high Wood Shop on June 8, 2001

The meeting was adjourned at 10:15

The class following the Meeting was two-fold. First we were shown a Promotional Video about a New Zealand Bowl Saver. How to set it up and how to use it. This led to discussions lead by LENARD RESSLER about some of the problems he has encountered with his

"McNaughten Bowl Saver". The main problem is that a turner buys it and then finds that his lathe will not handle that size of a load without overheating and kicking out circuit breakers. Or just stalling and trapping the tool inside the cut. Either way is frustrating to say the least. Before you buy one talk to some of those in our club who have one. At least a 1 1/2 Hp motor is recommended.

Another question to ask is, how do you want the outside shape to appear? For a salad bowl type, a curved bottom would be ideal. If you wish to chip carve the outside or to see the special grain effect a straight side may be the best option.

Later PAT SCHWEITZER & LENARD RESSLER set up a Ressler Made Boring Bar rig and were hollowing out a deep vase from a piece of poplar.

### E-BOARD MEETING

All E-Board members were present for the 7 PM, May 14th Meeting at the Dakota Farms, with the exception of VP Don Pollock. The main topic of discussion was, "What do we do after a Symposium such as we just had to keep the members interested enough to come to the Summer meetings"? There are no clear answers. Following are some topics to consider.

The Program Committee Idea of Baetsch, Ressler & Schweitzer is working and we have had well attended meetings. However, they need some more ideas starting in September to keep up the quality of the programs we have had. Some of the summer meeting projects will center on outside activities such as. Chain Saw Safety. Selection of wood and layout of bowl blanks within the wood. Treating the wood to prevent cracking when drying too fast.

The June Meeting will be held in the Mandan High Wood Shop and the project will be Decorating your turning with a chatter tool. LENARD RESSLER just made two new handles for chatter tooling and he's ready to share his experiences.

Members are asked to bring their mini lathes and end grain wood for turning. Color pens will come in handy if you plan to add color to the chatter work. This should be a busy meeting so plan to come and find out by Hands-On work.



LENARD will have his "Taps & Tread Chasers" for your threading experiments. Also EARL SETTERLUND will have his threading device, patterned after Bonnie Klein's, set up for anyone to try cutting threads on a turned box.

### TAX EXEMPT STATUS

We are planning to seek Tax Exempt Status with the State Tax Dept and the IRS. If anyone is familiar with the process please contact any officer.

### FUTURE NOMINATIONS

BRYCE HILL's term as President is up at the end of this year and according to our By-Laws the President can not succeed himself in office. He still has six months but we should begin looking for his replacement. The terms of Vice President DON POLLOCK and Librarian LEONARD LARSHUS will also be up at the same time.

A change in duties is also being discussed. It involves combining the Membership position with the Vice President. In this manner the VP could become familiar with the members before he takes office.

The meeting broke up about 8:15

LENARD RESSLER advised me that he will have several Box Elder logs at the June 9th meeting. They range from 6" to 9" dia. He will have his chain saw to cut them to size for you.

He does not wish to carry them around in the back of his pick-up this year like he did last year. He is going to deliver them to the Park Boards Wood Pile if you don't take them. A Ca\$h donation to the club treasury would be nice.

### THE GOOD, THE BAD & THE UGLY

THE RUSSIAN OLIVE is one of my favorite trees for turning natural edge bowls. The white sapwood is a sharp contrast to the dark heartwood.

I turn this wood on the green side. Expect a lot of water to spray off while turning. To keep the natural edge I turn the entire bowl down to about 3/16" to a 1/4 inch thickness, depending on the overall size. You can leave it thick and return, but be careful of tear-out. Keep your tools very sharp.

The log has some sharp spines so be careful when handling it. The bark strips off quite easily. It is hard to keep on for a bark edge bowl, but give it a try. This wood makes great looking weed pots and other small items from some of the smaller branches. Have fun with this beautiful wood !

KEEP THE CHIPS FLYING --- DUNC

### FROM THE PREZ:

Greetings on a supposedly spring day. It's almost Summer and we are ready for our time outdoors.

Our scheduled programs will be great and hopefully we will have time to enjoy summer turning projects.

"SHOW & SHARE" was great again. There were several projects turned from Box Elder and they were novel and outstanding. KEEP UP THE GOOD WORK !!

The June Challenge will be making a Plant Digger, made exclusively with a SKEW !

Instructions at the June meeting will be making "Gavels". The DAKOTA WOODTURNERS have committed to make several gavels for the Bismarck Rotary Club. This will give us an opportunity to sharpen our spindle turning skills for this project.

The July meeting will be at Pat's Shop where we will be doing log cutting and roughing out bowl blanks for later turning. I just trimmed my walnut tree and have a lot of wood available to those that would enjoy turning green wood. You are welcome to take the walnut, I would ask that you donate something to the Clubs treasury.

The August Meeting will be Turning and Picnicking at Duncan's. This is our annual Summer Frolic where Pat's Roadkill remains at the top of everyone's list. Also on the list- "Summer Gift Exchange"

For the next Newsletter, we will have a list of meeting dates and programs for the Fall of 2001. If you have any suggestions for an interesting program, PLEASE let the Program Committee know about your idea. Our Programs have been excellent and we will continue for the fall.

Have a GREAT Summer, Turn some wood, and we will see you at the meetings.

BRYCE HILL, President.



## SAFE LATHE TURNING SPEEDS

ne d LENARD RESSLER found the following chart in his new Powermatic Lathe instruction booklet. He passed it to me at the March meeting. Use it to keep your large variable speed lathe operating at a safe speed.

DIAMETER OF WORK	ROUGHING RPM	SHAPING RPM	FINISHING RPM
Under 2"	1520	3000	3000
2" to 4"	760	1600	2480
4" to 6"	510	1080	1650
6" to 8"	380	810	1240
8" to 10"	300	650	1000
10 to 12"	255	540	830
12 to 14"	220	460	710
14 to 16"	190	400	620

Now, I know that only a few of us can use that information as it is written. We don't have a machine that big and with the speed controls that he has so I found this chart in an old reprint. I think it will better serve those of us who have 10" & 12" lathes.

### SMALL LATHE SPEED CHART

DIAMETER OF WORK	ROUGHING RPM	SHAPING RPM	FINISHING RPM
Under 2"	910	2590	4250
2" to 4"	810	2375	3380
4" to 6"	650	1825	2375
6" to 8"	650	1200	1825
8" to 10"	650	910	1025
over 10"	650	650	650

This prompted me to review the articles The Frugal Woodturner had written about in earlier issues. Knowing how to Figuring the speed of your lathe spindle was in an earlier issue. Since it was printed we have added a lot of new members and maybe they need to know how to figure their lathe speed when nothing is posted.

The most common motor speed in use today is 1725 RPM so that's what I'll use in these calculations. Check the nameplate on your motor to be sure. If different, use that speed instead. Also measure the

diameters of the pulleys. Remember it's the MIDDLE portion of the BELT not the outside or the center of the belt that transmits the power.

The easiest formula I've found for finding the Driven (spindle) shaft speed is to multiply the motor speed in RPM's by the diameter of the driver (motor) pulley in inches and then divide that answer by the driven (spindle) pulley in inches. The answer is the speed in RPM's.

#### EXAMPLES:

$$\begin{aligned}
 1725 \times 2.0 &= 3450 \div 4 = 863 \text{ RPM} \\
 1725 \times 3.0 &= 5175 \div 4 = 1294 \text{ RPM} \\
 1725 \times 4.0 &= 6900 \div 4 = 1725 \text{ RPM} \\
 1725 \times 4.0 &= 6900 \div 3 = 2300 \text{ RPM} \\
 1725 \times 4.0 &= 6900 \div 2 = 3450 \text{ RPM}
 \end{aligned}$$

For your safety, you must also consider the rotating mass &/or the surface speed of the wood being turned. To find this Multiply the diameter of the wood by  $\pi$  or 3.1416 and multiply that answer by the spindle speed in RPM's and then divide that answer by 12" to get surface feet per min. (SFPM).

#### EXAMPLE:

$$4.5 \times 3.1416 = 14.1372 \times 863 = 12,200 \div 12" = 1016.7 \text{ SFPM}$$

Use CAUTION if this figure exceeds 1000 SFPM or a 4.5 diameter turning.

Again, you might be caught like I am, having only the slowest speed of 863 RPM's. Ideally you should try for a slow speed for roughing out. A slightly faster speed for final turning and an even faster speed for sanding. But then, I purchased the less expensive model!!

$$\text{RPM} \times \text{DIAMETER} = \text{MPH}$$

The above table made me ask the question. Why doesn't the most popular lathe that many of us own, the Mini Lathe, not have a similar chart to the above. It also made me wonder, "Just how fast is a spinning bowl traveling as compared to an automobile". Well I worked out a formula to figure out that question. Here are the results. They are surprising!

A short story first to put you in the mood. All puns are intentional ! If any of you have viewed Mark St. Legers video about the Fly Houses. He mentioned how the fly would lie in his house and look up at the fine job done on the ceiling. Well one day this same fly



decided to go for a spin. So he go into his fly convertible and went speeding around the block. He had the top down and his left wing hanging out the open window. All of a sudden the speed increased and soon the Flypatrol had him clocked exceeding the speed limit on his flyradar and pulled him over. HOW fast was the fly going you ask? Well the following table will explain it all.

THE SIX BELT POSITIONS IN RPM'S						
	500	800	1250	1800	2650	3700
WORK DIA.	SPEED IN MILES PER HOUR					
2"	2.9	4.8	7.5	10.7	16.1	22.0
4"	6.0	9.5	14.8	21.4	32.1	44.0
6"	8.9	14.8	22.3	32.1	48.2	66.0
8"	11.9	19.0	29.7	42.8	64.3	88.0
10"	14.8	23.8	37.2	53.5	80.3	110.0

The formula I used was: Diameter of the work piece in inches X 3.1416 X RPM X 60 Minutes in hour. Then divide that answer by 12 inches to give the feet traveled. Then divide that answer by 5280 feet to a mile.

As you can see the higher speeds on the larger diameter work pieces would put you in grave danger if the piece would come loose or violently break because of the forces that are exerted. Now you know why the flyrader sounded off. In the future when you decide to crank the speed of your lathe too high, listen for the sirens, they may be telling you to slow down.

In the Spring Issue of the "American Woodturner" is an article about several turners who have had a bowl or plate come loose or break while they were turning &/or sanding on it. One of them now wears a hockey mask to protect him in a future accident.

Many of the larger production type lathes use two variable speed pulleys and a flat belt which can give the operator a wide range of speeds and the ability to use higher horsepower of the motor. Higher Horsepower relates to bigger and heavier work pieces. All the more reason to heed the first chart when ever you are operating this size lathe.

Also on the market today are Electronic Speed Control devises. They can control the speed of any AC motor from zero to max on a selected belt arrangement. And they do it without any unusual motor overheating. The down side is that the controls are expensive for even a

small 1/2 HP motor such as we have on the mini lathes. We can only hope that one day, soon they will be less expensive and available for all of us who must purchase the less expensive model. The Mercury Lathe that Weldee has had at some of the recent meetings has such a devise. Check it out with him.

## THE FRUGAL WOODTURNER

### SOME THINGS EVERY SPOUSE SHOULD CONSIDER BEFORE CLEANING THE SHOP.

Just because there is a small pile of chips beneath my lathe doesn't mean that it is dirty. I just haven't finished that turning and there's no sense sweeping up or cleaning until I'm finished. That goes for the saw and any other tool.

A clean shop is not necessarily a shop where work is done. There is more planning than doing in those types of shops.

Every project undertaken means more opportunities to purchase more tools. No one has too many tools.

Never borrow a tool you can't afford to buy. You may end up buying two. One to replace the broken tool and another to finish your project on time.

Every thing in my shop has a place, if it is moved from the last place I used it, I will need time to find it and get it ready to use once again.

A newly built and equiped shop is already too small. Regardless of the size you will always fill it with tools within the first year.

### FOR SALE

Are you interested in an almost new Mark 510 Shopsmith - BRYCE HILL has one he wants to sell. It has all of the latest improvements and a lot of the accessories. \$1800 and he'll help load it for you.

Call Bryce at 255-6315



## LOOKING BACK

I sometime doodle a few notes during the wood turning meetings, a need created by a short memory I guess. Art asked if I would write an article based on what I have recorded. I will attempt to do this, but first I must say that this is not intended to be a complete summary of what has happened at meetings. I have missed several meetings and many good ideas presented I did not get in my notes.

The first notes I have are dated November 8, 1997, so this reminds us that our organization is more than three and one half years old. Perhaps the one subject that shows up most often in my notes is the need for sharp tools and how to sharpen them. Use a 60 to 100 grit aluminum oxide grinding stone, preferable on a slower speed grinder. Round off the corners of a new bowl gouge so they will not catch. Many meetings have had some mention of safety; roll up your sleeves, wear a facemask and respirator, and don't use large rags or steel wool while turning.

We have had a good introduction to turning green wood. How to rough turn a bowl, coat it with Green Wood Sealer and finish turning when dry. The turning of natural edge bowls has been discussed and demonstrated. The cutting and turning of stave and segmented bowls. All pieces have to have the same length and angle. No bowl is complete until the foot is turned so it looks as finished as the top of the bowl. This can be accomplished by placing the inside of bowl over a rounded block of wood in chuck covered by foam rubber and bringing up the tail stock. The shape of bowls and vessels is important; make continuous curves with no flat spots.

To complete a project it must be properly sanded and a finish applied, this may take as long to do as the actual turning. Start with 80 or 100 grit and work up to 400 grit. The use of power sanders have been well demonstrated and a must for many projects. A wide variety of finishing materials have been discussed or demonstrated. Some of those mentioned in my notes are: Beeswax, Paste wax, Mineral oil (for food bowl), Shellac, Deft, Linseed oil, Tongue oil, Danish oil, shoe polish for iron wood, black leather polish on ash to look like ebony, dyes mixed in oil, and mixtures of two or more of the above.

My notes mention many home made tools, chucks, jigs and devices which indicate that machine shop skills come in handy for a wood turner.

Every meeting of the wood turning club is a learning experience. The scheduled lessons and demonstrations are always informative and one can hardly go away without gaining a few new ideas and techniques. Equally important to our learning experience is the sharing by all members, this is done through our Show and Share, discussion, questions asked and visiting in small groups. I challenge every member to attend as many meetings as possible. The more you bring to Show and Share and the more questions you ask the more I learn.

Leonard Larshus



## UPCOMING WOODTURNING EVENTS

- |                  |   |
|------------------|---|
| June 9, 2001     | Regular Meeting 9 AM at<br>Mandan High Wood Shop<br>June Challenge: Plant Digger<br>Instr. Gavel's For Rotary |
| June 11, 2001    | 7PM - E-Board Mtg at Dakota<br>Farms  |
| June 27, 2001    | July Newsletter Deadline  |
| July 6,7,&8 2001 | National Symposium in<br>St. Paul,MN - See Notice at the<br>right   |
| July 14,2001     | Held at Pat's Shop<br>Chain Saw Safety and<br>Preping green wood for<br>Bowl Turning                          |
| August 11,2001   | Annual Picnic at Warren's<br>Pat the Chef's Roadkill Menu<br>Summer Gift Exchange                             |

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To Volunteer as a Room Assistant  
at the AAW Symposium on July 6-8  
in St. Paul. MN

Please Contact:

Marie Anderson  
5N181 Central  
Itasca, IL 60143  
Home Phone 630-773-9182  
Cell Phone 630-222-0277  
E-mail DanMarie@worldnet.att.net

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Nothing in life is so hard that you can't make it easier by  
the way you take it





# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

JULY 1, 2001

ISSUE # 47

as of yet. He also showed a Chatter Tool he welded together. A short discussion was held about some improvements he may try.

## MEETING NOTICE

JULY 14, 2001 9:00 AM

ANNUAL WOOD CUTTING  
AT PAT'S SHOP  
SEE MAP ON BACK PAGE

"SHOW & SHARE"  
10 AM REGULAR MEETING  
10:15 CONTINUE TURNING  
&/OR  
MAKING BOWL BLANKS

"SHOW & SHARE"

Because of the success and the time involved in the "Show & Share" portion of our meeting, VP DON POLLOCK asked for an early start.

EARL SETTERLUND led off by showing a pair of vases he turned from some poplar wood that he picked up at a meeting. He inserted a couple of the plastic tubes that were also available at another meeting. He showed four gavels he has turned for the Rotary Club. He talked about some of the problems he has encountered cutting threads similar to those Bonnie Klein did. He isn't quite satisfied with the results he is getting. He'll bring it back later when he gets all the bugs worked out. He showed his planting spike but didn't actually use it this year as he had all of his garden in already and it's not large enough for his tomatoes!

CLIFF RIME Showed his fancy planting spike he turned from a cottonwood branch. He used a skew to do everything except the coves which he hasn't mastered

ART TOKACH took the liberty and switched his challenge from a turned planting spike to a "Roly Poly Santa" turned from basswood and entirely done with a Skew. The Mandan Senior Woodcarvers will do the carving on each. One that he had must have been on an after holiday diet for eating too many cookies during his Christmas run, he was very thin. (There was a knot that he couldn't get under). He also showed a segmented ring he is experimenting with where each piece has a 15° compound angle to each side. A compound saw could be used but he doesn't know how to use one safely enough yet. He purchased a 15° chamfer cutter for his router and special holding device for holding small objects for the router.

BOB GRUMAN introduced D'ARLYN BAUER a guest to our group. She and her husband are interested in becoming members. We look forward to their input in our meetings.

RALPH FELAND showed some walnut he got from Bryce Hill. It will be available at Pat's Shop in July. He also tried making some Tops with some color pen designs.

VERN HANSEN recently returned from Hawaii where he spent six weeks visiting. He told of meeting several woodturners there and he actually took part in a local club meeting there. He showed some 80 digital pictures he took while there. They are on a CD that he would borrow to anyone for viewing on their home computer. See Vern about this offer. During his time there he also had time to turn some of the local woods such as koa and a piece of mango that he found on the beach. One thing he noticed was that no one turned on a mini lathe, they were all large lathes with variable speeds. Designed for larger production work.

YOU NEVER KNOW WHAT YOU CANNOT DO UNTIL YOU TRY

## MINUTES OF REGULAR MEETING

LEONARD LARSHUS thought he was fortunate to get some apple wood from his neighbor until after he turned it and left it setting on his work bench and overnight it dried enough to warp into a rocking bowl. He then found out that it was green wood. He read in a past issue of the AAW Journal about using egg shells as an inlay material. He glued the shells into a recess in a Box Top and then added colored grout to it. He has a lot of grout left and will share with any interested turner. It doesn't take much to do a small job such as this.

JIM MURSCHEL made a 2" Skew tool and put a fancy handle with hickory and walnut inserts on it. A mean looking tool. His Planting Spike entry was made from walnut.

KELLY GEIR used some Badlands Cedar to turn a couple of plates. He also turned a lidded box that his son said looked like a space ship reentering the earth's atmosphere. A weed pot he turned from a hunk of sycamore he found. He also turned a fly house in time for the flies to return from their winter spots & spas.

LEONARD RESSLER, our resident experimenter, again had a score of ideas and projects to comment on. He used his "Bowl Saver" to remove the center portion of a burl to make two bowls from one piece. When asked what type of finish he used he said it was the recipe of Tung Oil and Varnish, that Rus Hurt and Alan Lacer talked about at the Symposium. He explained some of the difficulties he encountered turning a weed pot from "Blackjack" wood. He showed some chatter tool handles he made and told where he purchased the special spring steel cutters. He tried a crank device for applying a spiral color band onto a Top.

DUNCAN WARREN would like to clear up something that he talked about at last meeting about glues. He does NOT use CA Super glue to hold a turning blank directly onto a metal faceplate. THE CORRECT METHOD: Screw a wooden block to the faceplate and then super glue the wood blank to it. This makes clean-up of the mating surface easier for another time.

DON POLLOCK called the meeting to order at 9:50 BRYCE & WELDEE are away this weekend at the Provo Woodturning Symposium. 21 members and 1 guest D'ARLYN BAUER were present. Reading of the minutes of the May meeting were suspended. We were reminded that the E-Board will meet on June 11 at 7PM at the Dakota Farms. An important topic will be discussed, "Tax Exempt Status"

ART TOKACH told of a brochure he received from a Woodturning group in Sask. They are having a Symposium on July 14th to the 20th. One of the featured turners is Bonnie Klein. The cost is very reasonable for this week long event considering the exchange rate with the Canadian Dollar. For more information contact Art.

It has been suggested that we find a means to use some of the excess money from donations and the Symposium to give to the Mandan High Wood Shop a Gift of perhaps a Delta Mini Lathe and some quality lathe tools because of their willingness to allow us access to their shop for our meetings. DUNCAN further suggested that we make ourselves available as turning instructors during school time. It would be for a week long session. We should also explore what we could gain through our Tax Exempt status when we get it. Our E-Board will report back to the Club ASAP.

DON POLLOCK was asked to give a report about the Lighthouses that many of our members have turned for him and the Eastern Star's Banquet. He reports that he is very close to his goal of 300. He hopes to make it by June 23. He and other Eastern Star members have made a replica of a Lighthouse that will be installed at Brush Lake when it is no longer needed. It will probably be the only Lighthouse in North Dakota.

As an added challenge, VERN HANSEN suggested that we could include turned objects made from local fruit trees in our list of local woods.

ART TOKACH said that he is working on a survey or opinion poll that would help the Program Committee plan the instruction portions of next fall and winter meetings. We know that our instructors have



## THE GOOD, THE BAD, AND THE UGLY

Art called me a few days ago and said that my articles generally talked about the good points and qualities of various woods, and I never indicated anything really bad or ugly about any of them. Wood to me is something like people. For example I have had many neighbors from the various communities, towns and cities I have lived in. They were all great and good neighbors. Some better than others. In my work as a conservationist and as a Park Director I have worked with many City and County Commissioners, Park Boards, various employees and the users of parks. They were all great and good. Yes, some were better than others.

I look at the wood and timbers I work with much the same way, some better than others, but I will attempt to list a few that are perhaps a little more troublesome and test my patience.

Generally, DRY WOODS are harder to work with. Fir splinters easily on side grain. Tools must be kept VERY SHARP. They get hot so I generally wear a leather glove.

Zebra wood with its cross grain and interlocking grain can be a real problem. Again, Very Sharp tools are a must.

All dried burls are hard to turn, to get a good finish, invariably you will get tear out. This type of turning requires a very light touch with a sharp gouge &/or a scraper. You need lots of practice.

I have had some problems with apple wood and some of the other fruit woods. These I turn only when green and generally down to 1/8" thickness. I sand with WetorDry paper and water as a lubricant. These turnings look beautiful when finished, but after a few days the warping has invaded what I thought was a beautiful bowl. I'll have to rethink this one. Maybe I can get the warping to enhance the turning.

Well I guess this is enough for now, and Art, I haven't found any UGLY wood yet!  
Whatever turning &/or sanding you are doing,  
WEAR A GOOD DUST MASK.

KEEP THE CHIPS FLYING - DUNC

## CHECK IT OUT

Each month I receive various magazines that contain things that are of interest to myself. I also receive Newsletters from different clubs that I try to share their ideas with our E-Board members.

The current issue of the "American Woodturner" is full of ideas. One of the many in the Summer 2001, #2 issue that caught my eye was "Wood Dust, Are we gambling with our health". It is about a forum of four medical doctors, who are also woodturners, presented to the Central Ohio Woodturners (COW) at a recent meeting.

Along with several different things about dust and controlling it, they spoke of the correct method of using an ambient filter fan to clean the air in your shop of small particles before they are inhaled into your lungs and attack your system. They told of the correct placement of the fan along an outside wall to create a circular motion of the air to better clean the air. They advised not having it in the center of the area. Also to run it for a period of time after the sanding is finished to clean the very small particles that may remain in suspension for a long time afterwards. If you are not an AAW member you can read the article at either the Mandan or Bismarck Libraries.

Another magazine, "Knives", that I received this month also had an pictorial article about making an ambient fan from a 20" box fan and two filters on either side. His price of \$30 sounds better than the commercial style at around \$100+. I'll have the magazine with me at the July 14th meeting at Pats Shop. Ask to see it.

"CHECK IT OUT". There are three rotations at the St. Paul National Symposium that any members who will be attending owe to the rest of the members to attend and bring back any notes &/or ideas that may result from the forums being discussed there.

The first one is on Friday at 1:50 PM in room #7. Dick Burrows will lead a forum on "Newsletters".  
"Being an Editor &/or Writing Articles".

Earlier this year I made a motion, to the AAW Board of Directors, to Video tape this entire class and make it available to all Chapters at no cost. I have not been informed about the final action they may make about this important subject. What I would like someone who is attending to record, some how, by audio tape or video tape, what is said there. A newsletter is a very important part of our Club's staying active and up-to-date. Without a good one some clubs falter and die. We don't want that to happen to ours.

Another rotation someone should Check Out is on Saturday morning at 10:45 AM in Room #12. It will be repeated in Room #13 on Sunday at the same time. LEE CARTER & BOB ROSAND will lead a class to discuss "How to teach Woodturning".

The last one, a forum, deals with the "Future of Woodturning in our Schools". Find it in Room #14 on Saturday at 1:50 PM. It is headed up by LEE CARTER. We have all observed right here in the Bismarck-Mandan Schools, how our public schools are no longer teaching wood working, which includes woodturning, to our young people today. Through a forum such as this maybe we can preserve this class here in Mandan.

Hearing is one thing but listenig is another

### "An' Three Little Marks"

In my younger years I recall the ethnic cartoon of the immigrant who was showing off what he knew about the english language. In his ethnic accent he is calling down to another workman on the ground. "One foot, five big marks and three little ones" (17,  $3/8$ ") We would chuckle whenever someone would just utter the phrase, "three little marks". In those times any math problems dealing with fractions were done on paper in a time honored fashion of adding the top numbers and converting them into whole numbers to be included in the solution of the problem.

Now fast forward to the Eighties when everyone needed to have a "Pocket Calculator" in their shirt pocket to solve any math problems. The big problem was that you now needed to put the " three little

marks" into the problem in the form of a decimal, (ie;  $3/8 = 0.375$ ). I know I had trouble trying to remember the numbers. I finally quit and only remember one set of numbers, those for  $1/8$  or  $0.125$ ". Now all I need to do is remember that and the ones  $1/4$ ",  $0.250 - 1/2$ ",  $0.500$  &  $3/4$ "  $0.750$ . I just add or subtract the  $0.125$  to find the eights. Again this is close enough for Goverment Work and I don't fill my mind with a bunch of number I'll never use.

Two other big benifits of the pocket calculator is in dividing any numbers, large or small. The big thing you need to remember here is the sequence when you are putting the numbers into the calculator. You enter the inside number first and then use the phrase, "Divided By", before you hit the divide icon and then place the outside number into it. And, Wa-La, your answer is instantly and correctly displayed.

The other big problem solver is in instantly finding the Square Root of a number. I remember having to look up the proceedure in a handbook if I needed to find the hypotenuse of a triangle. I know its not a common problem but it was a difficult one. Can you remember how to do it without looking it up.

Modern times have created a new type of genius;  
The person who can follow a DIY sheet of instruction

□ □ □

## METRIC CONVERSIONS

How many members understand the metric system? I'll bet many of you are like me. You're hoping that they don't change it in the near future 'cause you don't want to be bothered with learning a different way to measure things. To us a  $2 \times 4$  ( $1 \frac{1}{2} \times 3 \frac{1}{2}$ ) will always be a  $2 \times 4$  not a 40mm X 90mm or what ever they are going to call it then. Well, just in case, here are some easy "Rules of the Thumb" that I use when converting from one to the other.

What I noticed was that  $1/2$ " inch is very close to 12mm. Now all I have to do to convert from one to the other is as easy as one, two, buckle my shoe. It's not perfect but I don't need a chart anymore for small figure conversions, or "about figures". Another tip



presented some very good classes and maybe they have become a little stale in your mind. You will be asked what classes should be repeated to spark a renewed interest. This survey is intended to be completed at some future meeting as a One-on-One chat with a member of the E-Board. Take the time to fill it out so we can bring you some good classes starting in Sept.

The 'BRING BACK' prize, a Wood Turned Flashlight from BILL SWENSON was won by our guest D'ARLYN BAUER. She was instructed to bring back a special turned item to the next meeting. She agreed not to break the chain. LENARD RESSLER gave away two Tops to KELLY GEIR & CLIFF RIME.

LENARD RESSLER reminded us that he has a pick-up full of prime Box Elder wood. If it isn't taken today it may end up on your doorstep or car seat such as Zucchini and Rhubarb does during their seasons. Just kidding, but it will end up on the Parks & Rec's Wood Pile if not taken.

The next Regular Meeting will be held at PAT'S SHOP on July 14th. A Map will be included in this Newsletter. The project will be "Readying a log to turn several bowls from a single block". There will be wood available for a donation or bring your own.

## E-BOARD MEETING

The E-Board met at the Dakota Farms on June 11. All officers were present except the treasurer who was doing After Storm Clean-Up and couldn't attend. The main topic was to get Tax Exempt Status for our club. We still need to do a lot of research before we apply for it. The E-Board will report back to the club ASAP when we have the needed forms.

ART TOKACH reported that he will have a new poll ready soon for each E-Board member to take and personally approach members on a one-on-one chat about what good instructions, challenges and Newsletter articles we have had and maybe up-date and present again for our new members. We will retain the poll on the rear of the 2002 Membership Form because it only contains General Information about each of our turning needs and practices and our lathes and tools.

PAGE THREE

BRYCE HILL & WELDEE BAETSCH reported to us about their trip to the Provo, Utah Symposium. Each brought back several pounds of wood. They thought that the airlines may have to put a larger airplane in service to carry it all, but they didn't.

We will continue to explore the idea of presenting a gift of a lathe and some special tools to the Mandan High Wood Shop. We will also approach them about having some instructors available to work with interested students. BRYCE reported that there is a special class at the St. Paul Symposium about shop education and how we can help out and maybe even revive it in our local schools. If the present trend continues there will be very few woodturners and woodworkers before too long.

LENARD RESSLER reported that we need to remind our members that there is no free wood. He had the load of Box Elder available at the June meeting and much of it was taken but very few dollars made it into the treasury as compensation for this service. It seems that if we put a price tag on it like we did for the sandpaper we make out okay. If we leave it up to you to donate what ever you desire, very few dollars make it to the treasurer. This money is what we use to pay for some of the extras and the video's. Your dues are used mainly for the newsletter. Would it be better if we put a price tag on the wood?

## FROM THE PREZ:

Well, here we are with the year half gone. It truly is hard to believe that the Fourth of July is just around the corner.

It's now time for the Annual AAW Symposium in St. Paul, MN, starting July 6th and ending on July 8, 2001. We have reminded you of this event for the past several Monthly Meetings. I sincerely hope that as many of you as possible will attend this Wonderful Symposium. It will be many years before this event will be this close to Bismarck. This Symposium is worth every penny expended. You will have an opportunity to observe many of the Worlds Best Turners in action and probably have a chance of meeting and chatting with them.

I have now attended two major Symposiums in the past two years. You add our local Symposiums and my



experiences have grown enormously. It is my hope that in the future, I can share what I have learned with you. The opportunity that presents itself now is a really Major Event.

For those of you attending, I am hopeful that some of you can attend these two particular sessions.

A. DICK BURROWS session on being a "Newsletter Editor"

Let me assure you that Art Tokach is doing an Excellent job of editing our newsletter. It's unrealistic for us to believe that Art can do this job forever. It's only a suggestion that a member of our group be prepared to become the Editor. This workshop will give you ideas and ways of preparing a Newsletter and writing article for it.

B. LEE CARTER & BOB ROSAND'S session of "Teaching Woodturning" and the "Future of Woodturning in our Schools."

These sessions are designed to help Turners become good demonstrators. Each month we have members that provide us with excellent demonstrations. We need more members to step forward and head up future programs. There will be several professional turners giving their ideas what it takes to demonstrate either locally or professionally.

WELDEE BAETSCH and I just returned from the Utah Symposium in early June. We took copious notes and will be sharing them with you this fall. It was a rigorous three days, but a really Dynamite Session.

A tip from the DICK SIGN session. It's a problem we have all had at some time. That is the "Hot Stuff" glue dries in the nozzle. Solution: Get a baby food jar. Fill it 3/4 full with Acetone. Let the nozzle sit in it overnight and in the morning the nozzle will be open.

Hope all of you are having a wonderful summer. Our next Regular Meeting is the Annual Wood Cutting Event at Pat's Workshop. Then our August Picnic will again be at Duncan & Myrles.  
HAVE A HAPPY 4TH OF JULY

BRYCE HILL, President

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## A PEEK INTO LEONARDS NOTEBOOK

I will share a few thoughts about wood turning tools this month. The SKEW is made of a rectangular piece of steel with square corners. It is a good idea to round off the corners so you can roll the tool on the tool rest. To get smooth cuts the tool rest must be free of nicks. Running a file across the tool rest will keep it smooth.

BOWL GOUGE or SPINDLE GOUGE! When do I use them? You are not limited to using them as their name implies, but rather use them whenever they will do the job for you. While the bowl gouge is the best tool for hollowing out a bowl, it can also be used for other things. Experiment with the gouges, skews and scrapers you have and see what works best for you. When identifying the size of the gouge, keep in mind that the bowl gouge is measured on the inside diameter, and the spindle gouge on the outside diameter. A roughing gouge is relatively flat (about 1 1/4" dia. and take a wide cut. RUSS HURT suggested using a black pipe to practice sharpening a gouge. It can also be used for cutting for a short period of time.

Tools for special needs can quickly be made from files, horse shoe nails or allen wrenches to name a few. A file should be heated and allowed to cool slowly to soften it and prevent breaking. This can be done in a kitchen oven at 500°F to 525°F.

Start your cuts with the bevel of the tool rubbing on your work and raise the handle until it starts cutting. Perhaps most important of all, keep your tools as sharp as you can possible get them. The Sharper your tools, the less sanding is required.

LEONARD LARSHUS

*Ed. Note: We have all watched as Leonard takes his notes at any classes &/or meeting. I, for one envy someone who does this, my notes don't make much sense two days later. Now we can all get a peek into his Notebook.*

The trouble with resisting temptation is that you may never get another chance





## MOISTURE METERS

I don't own a Moisture Meter. I wouldn't know how to use it if I had one. I wouldn't know what percentage of moisture I should have in a turned or about to be turned hunk of wood and I don't care to know. I've operated by "Luck and B' Gosh" and have gotten away with it up until now. I know that someday I'll end up with a large irreparable crack or two pieces where there should be only one. BUT, until then the following is how I get by. It's my personal Rule of the Thumb.

WET WOOD feels cool to the touch. Even the chips feel cool. It cuts easily and comes off the tool in a long stream, even with a dull cutting tool. It's entertaining to watch the stream of wood fly from the cutting tool. Sometimes you can even feel a spray of water around the area of cutting.

The wood also feels heavier than a like piece of dry wood. After all that water has to weigh something. I've tried to weigh the blank before placing it into a controlled drying chamber and during the process. It works to tell me when it is stabilized, but I still don't know the percentage of moisture in the wood.

There are several methods of controlled drying, some have been in this newsletter before. One method is using a Micro-Wave oven. I use a home made Drying Chamber, or kiln, with a fan and light bulb as a heater. Turning to a even thickness also works.

## DAKOTA WOODTURNERS TREASURER'S QUARTER REPORT

Balance on <u>5</u> / <u>1</u> / <u>01</u>	\$ <u>3252.99</u>
<u>    </u> Deposits	+ <u>          </u>
Total	\$ <u>3252.99</u>

A PINT'S A POUND THE WORLD AROUND, This is another Ol'timers saying and it concerns dry measurements such as bushels and pecks but it does work as a "Rule of the Thumb" in most instances as a pure guess-timate for liquids. After all, a gallon of water which contains 8 pints weighs about 8 lbs.

Less Printing	\$ 95.68
Less Postage	\$ 87.80
Less Misc (video)	\$ 186.50
Total	\$ 369.98

Balance On 7/1/01 \$2883.01

Treas. Kelley Giv

Only some of us learn by other peoples mistakes. The rest of us have to be the other people

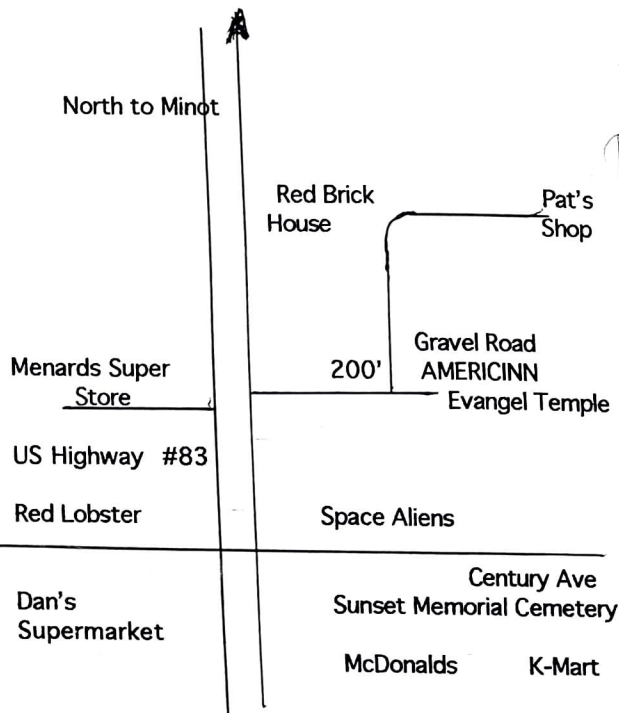
## UPCOMING WOODTURNING EVENTS

- July 14, 2001 - 9AM Regular Meeting  
at Pat Schweitzer Shop  
Annual Wood Cutting Class
- August 11, 2001 Annual Road Kill Picnic  
at Myrle & Duncan Warrens  
with Turned Gift Exchange
- Sept. 8, 2001 9AM Regular Meeting at  
Mandan High Wood Shop

### !!! NOTICE !!!

Here is a map and directions to find Pat's shop.

Go north on Hwy #83 past the "Space Aliens".  
Make a RIGHT Turn into the driveway to the  
"Americinn" &/or "Evangel Temple". It is across the  
Highway from the Menard's LEFT Turn. Just before  
you reach the west side of the "Americinn" you will  
see a small gravel road going north. Follow this road  
toward a red brick house. From here you should see  
the double garage to the east and down the hill a little.  
This is Pat's Shop. We will admit that it is just a  
little hidden from the Highway, just a little bit.







OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Pgm. Weldec Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach

# DAKOTA WOODTURNERS SAWDUST & SHAVINGS



NEWSLETTER

AAW CHAPTER #115

AUGUST 1, 2001

ISSUE # 48

## MEETING NOTICE

AUGUST 11, 2001 4:00 PM

ANNUAL FAMILY PICNIC  
AT DUNCAN WARREN'S SHOP  
SEE MAP ON BACK PAGE

"SHOW & SHARE"  
4 PM REGULAR MEETING  
4:30 TURNED GIFT EXCHANGE  
5 PM BRAT'S & BURGER PICNIC

R.S.V.P. 223-6502

### SHOW & SHARE

PRESIDENT HILL and VP POLLOCK were out of town so PAST PRESIDENT DUNCAN WARREN took charge of the gathering at PAT SCHWEITZER'S Shop.

The class for preparing green wood for bowl turning was delayed until after the Show & Share and the Regular meeting as most would be done outside in the driveway.

LENARD RESSLER, our experimenter, had several items to show this month. He led off with some deep bowls turned on a bias from cedar. He commented on problems he encountered and overcame. He also turned some from walnut, plum and crabapple to name a few. He turned a tall vase like bowl with four ears. When questioned about the line that was visible on one portion his comment was, "That's and "Oh-on" line that was missed until too late.

JIM MURSCHEL shared his experiences making some light weight faceplates for his Delta Midi Lathe. He made them from a 1"X 8 tpi nut welded to a large washer. He plans to use them mostly with a wooden auxiliary plate screwed to it's surface. He was reminded to never use drywall screws as they could break and cause a severe accident. Duncan suggests Sheet Metal Screws because of the deep threads that come up to the head. Lenard Ressler said he uses pole barn screws with the rubber washer still attached. Duncan suggested making a countersink on each screw hole on the face side to have space for the wood to escape into when tightening the binding screws. Another caution was to never use Double face tape on green wood as it may also fly free during turning. The best double face tape is the type with fibers embedded in it.

BOB GRUMAN had some nuts similar to Jim's with the washer a part of the nut. He offered two to anyone to try and report back on its good and bad points. Bob also brought a large sack of plastic sample bottles. They are ideal for Bud Vases or storage of ground up fillers.

BILL WHITE says he finally took Duncan's advice to turn some bowls from local woods. He had one of box elder and another larger one from siberian elm. Both were turned from green wood and he is allowing them to dry further before making his final cuts and applying a finish. He pointed out that there were some rough spots on the cross grain cuttings. Duncan suggested that the tool he was using was almost ready to be sharpened and when he returns it to the lathe later, to make sure his tool is "Super Sharp". Duncan also commented that he should keep the bowl as is for a year and then to compare it to a bowl turned then. The change will surprise you.

AN EGO TRIP IS SOMETHING THAT NEVER GETS YOU ANYWHERE



As we know, Bill turns a lot of pens. He showed some Christmas ornaments he has turned from some of the waste pieces from those pen turnings. He commented that he had to get home from the Symposium and Bob Rosand's class as fast as possible to put some of the ideas presented there to use before a Senior Moment occurs. Bill also turned a box full of tops from the Pen Turning waste wood. A comment he made about them was to apply the finish as soon as possible and before removing the top from the lathe.

BOB PEDIGO asked for advice about sanding the inside of a small cylinder such as a Dice Cup. He was afraid he could catch his finger and cause a severe injury. Pat Schweitzer showed several medical hemostats that he uses to hold the sand paper. He added that he gets them at the "Surplus Center" for a buck or two. Lenard Ressler commented that he saws a slit in the end of a dowel and twists a short length of sand paper into it to do his inside sanding. Many other solutions were offered but I failed to hear and record them.

## REGULAR MEETING

The REGULAR MEETING was called to order with 21 members and 1 guest present, D'ARLYN BAUER. It was moved to suspend the reading of the minutes of last meeting.

At the last meeting it was tabled to form a committee to check into purchasing a Mini Lathe for the Mandan High Wood Shop. Excess monies from the Symposium and donated money from members would be used. A "Jet Mini Lathe" has become available from Dennis Provenski from Brandon, MB. It was moved, seconded, discussed and passed to make arrangements to purchase it and to place it in the school. The Dakota Woodturners would retain ownership and the school would have it to use as their own.

Those six members who attended the National Symposium were asked to give a report at the September Meeting about the Good, the Bad and the Ugly of the Symposium.

None of those who attended visited the class on Newsletter Writing and publishing. I had made a motion to the Board of Director to video tape this

session but never received word that they were planning to do so.

Ed. Note: On July 28th, I received a call from AAW Pres. Bob Rosand that the video idea didn't turn out very good this time around, so they will try again next year. He will send me the video that was made.

WELDEE BAETSCH attended both the National and the Provo Symposiums and offered his remarks to the group. He said the National was somewhat disappointing as it seemed not to have the leadership that Provo has. The demo rooms did not have tiered seating which made it difficult to see if you were in the rear of the room. The TV monitors were low and hard to see if a large person sat in front of you. The people operating the Video cameras were inexperienced and were out of focus many times. He felt that the National should have been better because it was "At Home" so to speak. He also said that at Provo they were more business like, more like a school. Of course they have a lot experience, when they do it every year and the National was done with volunteers who were doing it for the first time. Weldee's wife did video the Instant Gallery and will share that tape with us when it has been put together.

DUNCAN mentioned that there is talk about having a school for High School Shop teachers. The reason is that many of our present day teachers were taught turning 20 to 30 years ago when all they were shown and taught was turning with scraper type tools. This school would show the changes that have been made in the last 10 years. He will keep us informed and maybe we can send one of our local teachers to this school.

ART TOKACH mentioned a new "Woodturn Online Magazine" web site that you can buy an annual membership in for \$15. He found the information in the July-August Issue of "Workbench" Magazine. For subscription info and a look at the e-zine, go to [www.Woodturns.com](http://www.Woodturns.com).

A short discussion was held about purchasing a quantity of Oil Hardening Drill Rod from Enco and then selling it to members to make lathe tools. Lenard Ressler will order and the club or members will pay him. A special class will be planned after Sept. to instruct us in the fine points of tool making. Stay in touch.



## AUGUST IS PICNIC MEETING TIME

The August meeting will be held at DUNCAN & MYRLE WARREN'S place. It will be a Family Picnic. It will be a Potluck style meal with Pat S. doing the Brats and Burger Cooking. Each Family unit should bring either a Salad, Dessert or a Cassarole. You are asked to bring your own chair. Plates and silverware. Beverages. There will be a Turned Gift Exchange, so get busy turning. A Special Hands-On class is planned. Map and additional info on Back Page.

Last Month our guest D'ARLYN BAUER won the BRING BACK prize. Through missed communication she did not make a gift for this month. One will be made and presented to JIM FINE at the August Meeting. Jim needs to make one also. OR. Maybe we should review this part of our program. Has it run it's course? Should we continue? Make changes? Have better guidelines for the drawing and the prize?

Past President Duncan Warren adjourned the meeting at 10:15. We proceeded to enjoy the country air and cut up the walnut logs that Bryce Hill had brought to Pat's earlier. Now we want to see some of the finished bowls and whatever you decide to turn from these logs. We have a full year of Show & Share's ahead of us until we are back to Pat's shop.

Art Tokach, Secretary/Membership

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## E-BOARD MEETING

Seven E-Board Officers met at the Dakota Farms on July 16. most of the conversation centered around the recently completed National Symposium. Sharing things they learned from other club & chapters.

Each year we ask our members "How are we doing" this year will be no different. We will try to change the approach to a "One on One" exchange hoping to get more information from you our members.

Talked about the August Picnic Meeting on Aug. 11 at DUNCAN & MYRLE WARREN home North of Mandan. (See Map on Back Page).

Activities for that day include; Turned Gift

Exchange - Impromptu Turning in Duncan's Clean Shop!! - Burger & Brats from Pat S. (His supply of Roadkill is running low so he switched entree's).

Each person coming is asked to bring a Favorite Dish to Share. Dishes to eat on. A chair to visit from. Your favorite beverage to keep your moisture level up there. Pat would like a head count so no one is left hungry so call him at 223-6502 and leave a message of the number attending. Pat says Thank You!

At the Sept. 8th Meeting we are planning a "TURN-IN". Plan now to bring your Mini Lathes and lots of ideas to share and turn of course!

□ - □ - □

## FROM THE PREZ

The days are getting shorter and hopefully, one day soon we'll have a stretch of no rain. Seems like we live in an area that goes from one extreme to the other. It sure would be nice to have weather one could turn in, in comfort.

This will be short, mainly because there is not much to write about. One of our biggest events will be next month (AUG. 11, 2001) at the Warren's, where we will enjoy another wonderful picnic. Please Do Not forget to turn a project for the gift exchange. This will be an opportunity for us to share with our spouses what we do. (That could be interesting). We have been very creative for the event, come up with something new. No doubt Pat's Road Kill will be even fresher and tastier than last year.

I had a "Brain Sore" this morning, (very dangerous). While cleaning up my work shop, I realized that I have several Power Tools that I no longer need. But how do I sell them? My great idea is for the Dakota Woodturners, maybe the woodcarvers could get together and have a "Big Garage Sale" lasting one or two days. Unless I miss my guess, other woodturners may have items they want to sell. When we have our August Picnic Meeting, lets see what the interest might be. If it works, Great. If it doesn't, we go on to something else.

Have a Happy August - Bryce Hill, Pres.

## MEANDERINGS

The 2001 AAW Symposium in St. Paul has come and gone. The Dakota Chapter had a good representation. I Wish more of you could have attended. I learned a lot. I hope I can remember it so as to share it with all of you at our meetings and in the Newsletter.

Our editor is taking a short vacation ?? in the hospital ??, but come rain or shine the newsletter will be on time. Get Well Art.

Bill White is on his way to Washington by Amtrak. I wonder if he will bring back a carload of timbers like Maple Burls.

The wind storms that came through the area this month - still coming - gave all of you a great opportunity to collect and save some excellent woods. Woods such as Ash, Apple, Plum, Apricot, Maple, Birch, Mountain Ash, and many others are available for the asking. Be sure to coat the end cut as soon as possible to reduce checking. This is not the best time of the year for getting green wood, but we don't have control of the wind so make the best of what you can get. If the wood begins to check make a new cut- 1" or 2 inches, and coat the end with wood sealer. Or if you don't have this sealer, use latex paint, it will help. If nothing else submerge the piece in water. This is a short time solution. Remember this is all free wood. If you screw up, you are not out anything and maybe you will learn something.

I have been busy in my shop- redoing the wiring, installing an air system and even trying to clean it up -with a little bit of luck I might make it! Of course I'm getting a lot of help - advice - questions as to to why? and How come? So you see I really have to keep going to stay even.

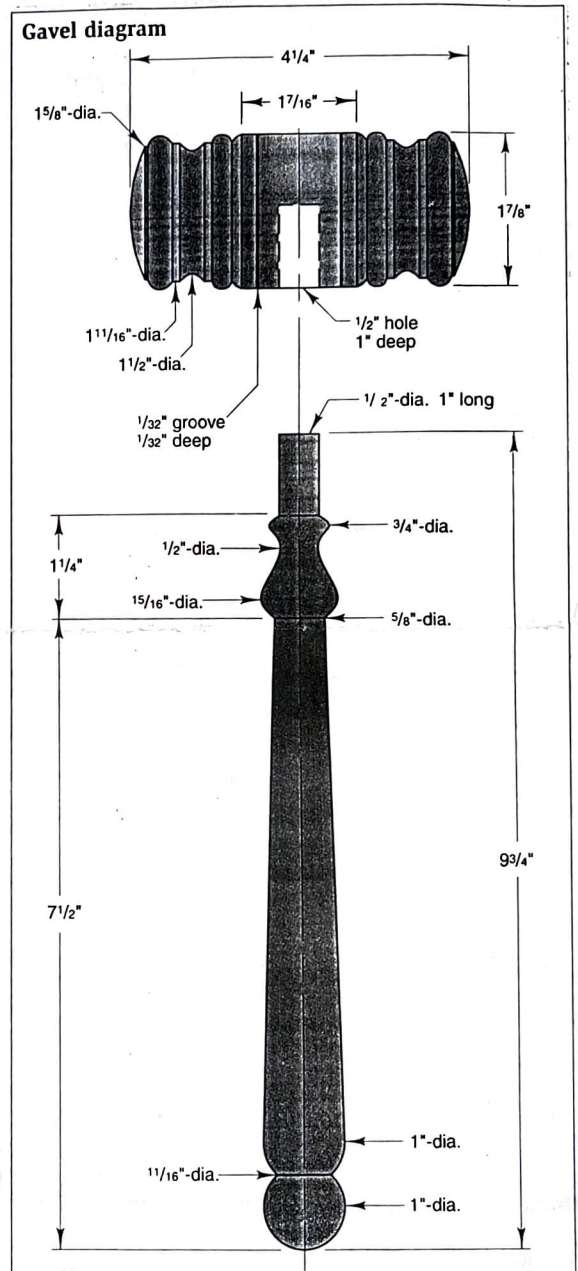
See you at the picnic -- Keep the chips Flying  
Dunc

□ ~ □ ~ □

**LENARD RESSLER** has some Cottonwood Burls and Some 6" Dia. Local Apricot Wood in his pickup - He'll have it at the Picnic

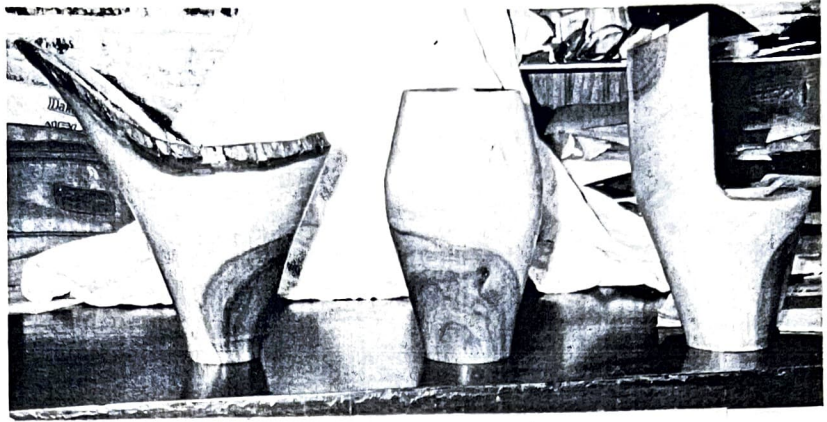
PAGE FOUR

There has been many requests to turn a Gavel for Gifts. One BIG problem: Not many of us know the deminsions. Here's a diagram to guide you for your next one. Have Fun!!





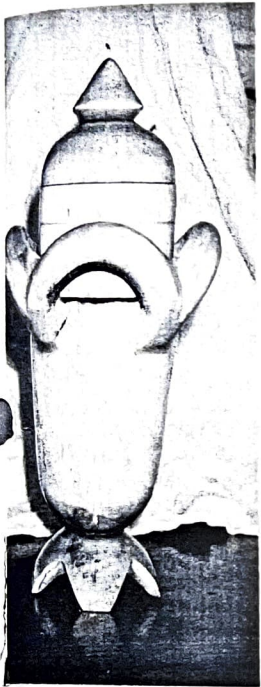
# WOODTURNINGS BY LENARD RESSLER



Deep Bowls Turned On a Bias  
Of Various Woods



Bowls Turned From Washington Exchange Wood



The "Oh-Oh" Line  
Can Be Seen  
Hiding Under Front Ear



An Assortment Of Woodturned Pieces

## UPCOMING WOODTURNING EVENTS

- AUGUST 11, 2001      ANNUAL PICNIC AT MYRLE & DUNCAN WARREN'S - WITH TURNED GIFT EXCHANGE
- SEPT. 8, 2001        REGULAR MEETING AT SCHOOL
- OCT. 13, 2001        REGULAR MEETING AT SCHOOL

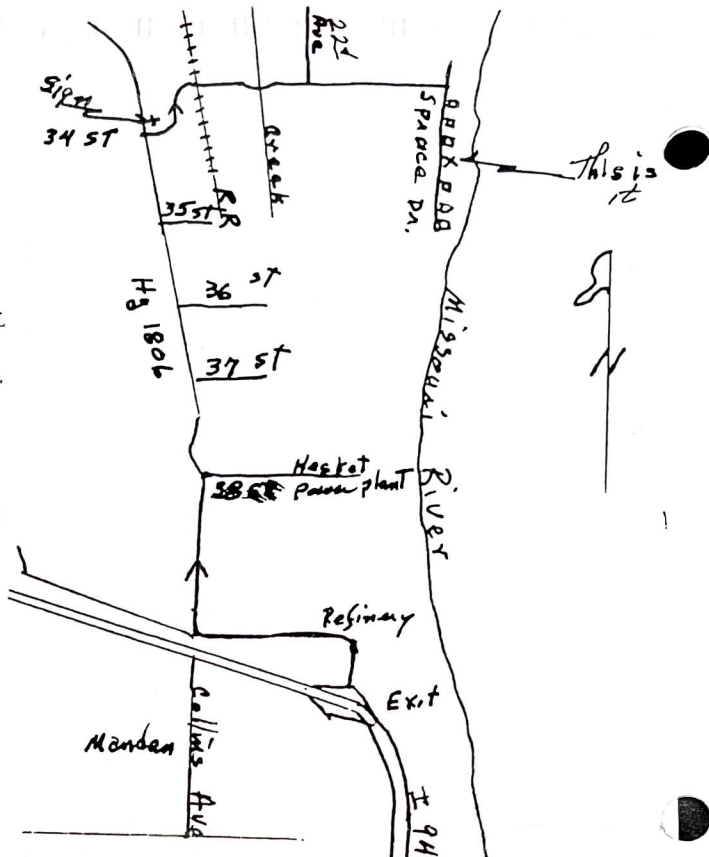
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**TO FIND THE WARREN'S** - Go North from Mandan on Hwy #1806 passed the MDU Power Plant. Turn right on 34th St. at the Warren Sign. Go down the hill and across the tracks and the creek. Continue to the east past 22 Ave. At the end of the lane turn right and go to the fourth turn in. You Made It!! You're There!!

□ - □ - □

Norbert & Alice Berning will have some Diamond Dressing Devices at the Picnic.

□ - □ - □







OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgrm. Weldee Baetsch &  
Lenard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach



# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

SEPTEMBER 1, 2001

ISSUE # 49

## MEETING NOTICE

AT MANDAN HIGH WOOD SHOP  
SEPTEMBER 8, 2001 9:00 AM

**"SHOW & SHARE"**

**BRING ALL THOSE SUMMER PROJECTS**

**10:00 AM - BUSINESS MEETING**

**TOOLS: SELECTION & SHARPENING BY PAT**

**DIY TOOL MAKING DISPLAY BY LENARD**

**SHARING OF SYMPOSIUM IDEAS**

**ANNUAL PICNIC**

Yes, we know that Summer is a busy time of the year to have a Picnic. There are so many things for a body or a family to do during that time. The weather this year was exceptionally nice. Not too hot and then we had a little shower to cool it down a little. The problem with the shower was that the little stingers showed up afterwards and they were not Welcome! In all 21 people witnessed Duncan's CLEAN SHOP for about 5 minutes. Then the lathe started up and chips began to accumulate and it was no longer clean, but Duncan didn't seem to care! Eleven members exchanged Turned Gifts. Barb Schweitzer won my gift again for the third time. However, this time I gave a gift she wouldn't have to share with Pat and could enjoy herself, a Chip Carved Vase made of butternut.

The food was also outstanding. There was Potato Salad, Pasta Salad, Fruit Salad, Cucumber Salad and

three different kinds of pickles. Some one brought Baked Beans and another a Noodle Hot Dish. Pat cooked up his famous Brats and Burgers on the Grill (the quality of the Roadkill was down this year so we ate commercial grade). And then our Sweet Tooth was satisfied with German Chocolate Cake, a Baked Cherry Delight, a Lemon Bar and Home Made Cookies. And then they announced SECONDS!!

### REGULAR MEETING

A short (16 min.) meeting preceded the meal. Here are the highlights. The reading of the minutes of the July meeting was suspended.

DUNCAN told about the pile of walnut beside his Pickup. I guess he needs help turning it. LENARD announced that he has a pickup load of cottonwood burl and some Apricot wood. He showed a small bowl, with exceptional grain, that he and ALICE BERNING had turned from the burl before the meeting. BRYCE showed a "Bullet Drill Bit" he purchased at Provo. It is very useful in drilling a straight hole in a Pen Blank. However he plans to use it as a depth drill when turning a bowl. He was advised to keep the chips clear so as not to seize up while the bit is in the wood.

NORBERT & ALICE BERNING obtained an old Diamond Cement Saw Blade and had it cut in to wedges that can be used to dress your grinding stones. The remaining wedges will be available again at the Sept. meeting. A donation to the treasury would be appreciated.

### 2002 DUES ARE DUE

Membership Chairperson ART TOKACH moved to suspend the collection of 2001 Dues and to begin collecting 2002 dues immediately. It was Moved, Seconded, Discussed and Passed as Moved. The applications will be available starting at the September meeting. Dues remain at \$20 per Family.

DUNCAN WARREN asked the Club to hold back on the purchase of a gift for Mandan High. While he believes it to be noble gesture, he would like us to be a partner

A computer is almost human, except it never blames its mistakes on other computers



in sending a local shop teacher to the Summer School that might be presented next summer. It is a course to teach present High School Instructors the new methods of Woodturning and sharpening of tools. More information will be available later this fall. Our goal is to bring woodturning back into the curriculum of our High Schools.

Because of the gift exchange we did not hold a "Bring Back" drawing. We will resume it at the September meeting. Jim Fine was our last winner.

The Monthly Challenge has been on vacation and will begin in October. The October challenge will be to turn a Kitchen Utensil such as a spoon or a spatula.

## SYMPOSIUM REPORTS

BRYCE would like to continue the Idea that DUNCAN WARREN told about at the July Meeting. That is to have those members who attended either the Provo or St. Paul Symposium's this summer have some reports ready to share what they learned there. We will stretch them out and plan the classes around these reports. This month PAT S. will present an idea to glue up a segmented ring without clamps.

REMIND ALL MEMBERS THAT THE SEPTEMBER 8TH MEETING WILL BE AT MANDAN HIGH WOOD SHOP. It is the beginning of the School Year and we are planning a meeting that will reflect that idea.

## A PEEK INTO LEONARD'S NOTEBOOK

I had the opportunity to attend the 15th Annual AAW Symposium in St. Paul and must say that it was a GREAT Experience. During the three days I had the opportunity to see eight demonstrators, visit the Instant Gallery, attend the banquet and auction and visit with wood turners from near and far. The most difficult part was selecting which demonstrations to attend. There were my more I wish I could have attended.

The first demonstration I have notes on was presented by Dave Lancaster (he is the one with the black eyes in the Spring copy of the AAW Journal). His topic was "Twice Turned Bowl in Green Wood". He is a professional wood turner who always has 1000 bowls turned. His larger bowls are about 20 inches in diameter and he cores them out with the One Way Coring System to get several smaller bowls from each block and save time in the turning. He uses mostly

Cherry Wood for his bowls and sell many of them as salad bowls for \$110 to \$140.

With that background one can see that not everything that he does is applicable to us hobby turners, but some of what he covered can apply to us. He likes to cut his trees in the fall. When splitting a log to get two bowls he said to keep the pith in the center of both pieces, this may give one deep and one shallow bowl. He uses a deep fluted bowl gouge that should be vibration free and sound right. He never hones his gouge, but uses a very light touch on the grinder. He uses a blue grinding stone on a 3450 RPM grinder. He had made a rounded tool rest that followed the outside curvature of the bowl. This looked like a good idea as it keeps the tool rest near the bowl as the outside is being shaped. When getting the shape, go from the minor diameter to the major diameter and connect with a smooth curve. He wants his green bowls to be thinner at the bottom than the sides. As most turner do, he stressed sharp tools, saying that dull tools cause vibration. The last cut is the important one that counts. everything else is just practice!

Leonard Larshus

## THE GOOD, THE BAD, THE UGLY - PLUS

Summer has come and almost gone - time to get back to some serious turning. Except of course for Pat and a few others, who have to go hunting!

Was a little disappointed in the turn-out for the picnic this year. I would have been glad to share my mosquito crop with more of you. Maybe we should change locations or have a different program next year.

This month I would like to write a little about solvents - you know like mineral spirits, paint thinners, acetone, denatured alcohol, turpentine and lacquer thinner. A solvent is usually a liquid at room temperature and can dissolve other substances without chemically changing them. Solvents have many uses in paints and coatings. Their toxic effects vary between human, plant and animals

Always read the label on the cans and follow them. These solvents give off fumes which are inhaled into the lungs and can pass into the blood and can accumulate in tissues like the brain, nerve, bone marrow, liver and kidney tissues. (Remember



the News item on paint sniffers). These solvents can also be absorbed directly through the skin.

Acetone is an excellent solvent for gums, waxes, fatty oils, dyes and cellulose's. The vapor can cause eye irritation - DO NOT get any of the liquids in your eyes.

Denatured alcohol is a colorless liquid and is used as a thinner for shellac based primers. Denatured alcohol will soften and remove old shellac (Old furniture). By nature it is poisonous. Inhalation and absorption through the skin can cause some serious problems.

Gum Turpentine is used mainly to thin oil based paints, stains and varnishes. It accelerates the drying of coatings. Contact on skin can cause burns or an allergic reaction. Inhalation of its vapors can cause respiratory problems.

Lacquer Thinner is a high strength solvent that is used to thin lacquer based paints and clear finishes. It can be harmful if absorbed through the skin. Inhalation causes lung, nose and throat irritation. Lacquer thinner and denatured alcohol exposes you to Benzene.

Mineral Spirits is used as a solvent shellac, cellulose nitrate and urea resin. It is poisonous and cannot be made non-poisonous. It is an irritant to the eyes and when inhaled will irritate the mucous membranes. Once absorbed into the body it is slowly eliminated.

All of this is not just for woodturners. It is a wake up call to us all, READ THE LABEL. Use good ventilation or wear a special vapor mask. Wear gloves, (not cotton, leather etc.) only the rubber or plastic type. I have noted that a lot of paints, lacquer thinners etc. containers have little information on them. ASK the clerk or anyone for more information on them. If they don't have it go to the next store, maybe they will get the message. You can get manufactures safety data from the manufactures, Health organization and on the internet. Have Fun And Keep the Chips Flying  
Dunc.

### NOTES FROM THE PREZ

Well, here we are entering into the last vestages of summer and starting to prepare for fall and winter. It's about the time many of us crank up our lathe and see what we can turn.

Hope each and every one that attended the Picnic had

a good time and enjoyed the evening. Our Thanks to Myrle and Duncan for providing a wonderful place for a Picnic. Since Duncan had such a clean shop and now air conditioning, maybe we need to homestead close by. The food (Pat's Roadkill) was Superb, the deserts were fantastic and the warm fellowship of all those who attended. It was a great evening, Thanks Myrle & Duncan for having us.

Our program at the Sept. 8th meeting will be a class by Pat on the Basic Lathe Tools and how to sharpen them. Lenard has purchased some special steel rods and will be showing what can be made from them by you. His class will be in the Oct. 13th Meeting.

Our challenge for October will be making a turned wooden spatula. How do I do that? Well, come to the Sept. Meeting and find out. It has to be partly turned and the rest can be flat.

One of the things we discussed at Duncan's was the idea of a "Garage Sale" or a "Tool Sale". So far, I have received only positive responses. I do believe all of us have tools, power tools and related shop items we need to clear out of our workshop. I would ask you at this time to prepare a list of what you want to sell. Bring that list to the Sept. meeting and we'll have an idea of what could be sold. If you sell tools, it would be great to donate a portion to our treasury for future use. Should you have something for sale and can't make the meeting, send it to me of Art. This is a great chance to clear out that clutter in your workshop that you no longer need.

At the August meeting we discussed the "Bring Back Drawing". We had a small problem but that will be resolved and we'll start it up again in October.

We also discussed Duncan's proposal to have each person who attended either the Provo or AAW Symposium's to prepare and give a short presentation of what they learned there. This idea has a lot of potential in our program development for the Fall 2001 into 2002. So all of you symposium attendee's start preparing your segment. The Program committee will be calling soon.

Hope you all enjoy Labor Day Weekend. Don't forget, we meet at 9:00 AM on Sept. 8th at the Mandan High Wood Shop. Happy Tuning.

Bryce, The Prez.

PAGE THREE



## PHOTO LAYOUT

By Art Tokach

Often times I find myself without anything left to say! An impossibility, someone might add. Or, you could call it a Slow News Day! The August issue was such an example. I returned home after an unexpected 6 days in the Hospital and only 3 days to deadline. A quick call to Lenard Ressler and together we filled the last page with photo's of some of his wood turnings. In the past we have had exceptional photo layouts done by Caroline Haakenson and Lenard. However, this time I couldn't reach her in time.

We did LENARD'S layout with colored photo's and Flash Print ran them through a special copier at no additional cost. It just took a little more time. The good part is that you could see the grain of the wood in most photo's, they didn't get all blotched out in the printing process. With your help we could have such a Photo Layout each month with very little additional cost or work. (I'll have a comparative example at the September 8th meeting)

### CAMERA

I don't know of anyone of us who does not own a camera or anyone of us who does not take photo's of our work. Most of the time these photo's are placed in Photo Albums. Or, they are left in the envelop in which they were returned. After all, we have the original work to display so why even take and save the photo. But we do! And as long as the photo's are available why not share them with our members.

### GUIDELINES:

These layouts can be about anything as long as it is Woodturning related. Maybe you visited another club and were impressed by their work. Well, show us, we might enjoy them as much as you did. Or, maybe you visited another turners shop who does exceptional work, even if it is a fellow member! We'll share your visit through your photo's.

### DETAILS:

Show us as much detail in the work as you can. To get it, you need to get up close (3 Ft. Min.) and fill the view finder with the work. The photo can be cut or cropped to the best size later. If the number of items is large, split them into smaller groups rather than trying to get them all into one shot. "More is Less"

### BACKGROUND:

Pay special attention to the background. A neutral color is best. A contrasting color often will show off the work better than leaving it hidden in the background. Do not distract with a busy background.

### LIGHTING:

Avoid using your flash if possible, it may cause a bright spot to appear on the work and wash out some important detail. Most experts try to have the light coming over their right shoulder. Take the whole show outside into open shade if possible.

### TRIPOD:

If one is available, USE IT! It make for a steadier picture with no fuzzy edges or details.

### PEOPLE INVOLVEMENT:

First of all AVOID having people in your pictures! It is better to see the work the person has done than to see them. By including them, it will reduce the turned object to a very small part of the picture and will eliminate many details. If you are going to have people in the photo's, remember to include some action. Never just take the backs of everyone's head and then omit what they are watching. If you have the person holding the work, remember to move in close, only take the upper half of their body, but don't chop their heads off. Like I said earlier, we are more interested in the details of their work.

### CAPTIONS:

Plan your captions as well as you plan the actual photo's. Don't concern yourself about the printing we can do that when we prepare it for printing. ALWAYS get the correct spelling of anyone's name. If you are set-up to do it all through your computer, HOORAY, do it. It will save me time and you'll have fun doing it.

"A Photo Says A Thousand Words". Keep this in mind while laying out the display. While Caroline's photo layouts have occupied more than one page, and Lenards only one page. Plan full 8.5" X 11" pages. Don't hold back on size or number of pages we can always continue them to another issue if that many photo's are presented. The only drawback is that we will print in B&W not Color.

Finally, give yourself credit for the Photo's



## MAKING A THREE FOOT BOWL

No, I don't mean a three foot bowl like in a yard, I mean a bowl with three left feet or right if you prefer. We have all marveled at many of the photo's from some of the Instant Galleries that are published in the AAW's JOURNAL and wondered how they produce these types of bowls. Well the following may or may not clear that up in your mind. I'll have an example of one that I've made at the Sept. 8th meeting.

Land surveyors and photographers have long known of the adjustable but solid base of a three legged stand or a Tripod to hold their instruments level on any surface. And to hold it steady while readings &/or photo's were taken.

Many of us woodturners have fought the warping battle with a green but drying bowl that never seems to end. It wobbles regardless of which place you remove wood to halt the progression. Using a flat sander or a belt sander only gives questionable and temporary results. That may be one reason several woodturners have resorted to the tripod foot for their precious bowls made from exotic woods. However, making that tripod may be as much of a mystery as trying to figure out where to remove the wood to stop the wobble.

### START WITH A PLAN

Some bowls can be remounted and the bottom turned to a flat ring. These may still warp. There are others where the design calls for a pedestal type base. It amounts to a inverted bowl turned onto the bottom.

Making the three feet equal on the bottom is not as hard as some would lead you to believe. All you need is a compass and one measurement or setting.

1. Start by scribing a center point and a circle on the bottom before the bowl is removed from the lathe. Now draw a straight line through the center to opposite sides of the circle. This is the diameter. Set your compass from the center to the outside. This will be the radius and is the only compass setting you will need.

2. Examine the wood grain of the bowl for any defects that may make your bowl unsightly and would look

better without. Plan to remove those parts.

3. With the compass set, start walking it around the circumference of the circle, it should make six marks. Chose the best location to start and then eliminate every other mark.

OR. You may have noticed that one end of the diameter line is one leg of the tripod. The other two end are made by swinging your compass to either side of the opposite end. These will form the other two legs

Widen these marks to about a 3/4" or 1" footprint. For a stable stance do not make the footprints too small.

4. Your choice now is whether to just add three buttons or to cut away the web between the marks. To do the latter equally, you need to make a template. Here's how I made mine.

### MAKING THE TEMPLATE

a. On a brown paper bag, draw a circle using the same radius setting. Mark it the same as you did the bowl bottom. Expand the diameter of the circle about 1". This allows you some room for trial and error later. With a scissors cut the circle out.

b. Fold it in half along the diameter mark. Then fold it twice again, in a zig-zag manner, along the one third marks.

c. This will be similar to cutting a paper doll. Draw and cut a graceful arc. Several cuts may be needed until you are satisfied and get the finished arc. Trace this image onto the wood in each of the three locations between the footprints.

d. To remove the wood, cut with a coping saw or with a rotary tool. Do not cut any wood away from the foot. It should be flat and stable enough to maintain a wobble free stance forever, even if it warps.

e. Finish the edges with a drum sander or what ever works best for your project.  
Present it with PRIDE.

Art Tokach

Some people know a lot more when you try to tell them something than when you ask them something

## HEAT TREATMENT OF CARBON STEEL

Some woodturners have never tried to make their own tools because they believe that there is some mystery to Heat Treatment of the steel. BELIEVE ME, THERE IS NO MYSTERY! It is easily learned and easy to do in a home workshop. There are very few tools needed and most turners already have them in their shop. This article is meant to encourage you to try it at the October 13th meeting when it will be presented. LENARD & I will show each of you how it is done. This will be a Hands-On Class. Another thing I believe is that every woodturner can do this, after all they already understand the principles of turning with a lathe.

### TOOLS NEEDED:

- Metal grinder -with 6" Gray Alum Oxide Stone
- Eye protection
- 2 small 14 oz. propane torches
- 1 quart or larger Metal can filled with cooking oil
- Cleaning Solvent
- Vise Grip Pliers
- Needle Nose Pliers
- Leather Gloves

There are only three steps to Heat Treatment of Carbon Steel.

Annealing, or softening the steel for easy workability. The steel we will be using is Oil Hardening Drill Rod. It is purchased annealed. If you have some other steel that tests hard here is how it can be annealed.

Heat the steel to a red color (Stop Light Red) and allowed it to cool very slowly. Some will put it into a bed of hot ashes and allow the steel to cool very slowly overnight. There are other methods we will discuss.

Oil Hardening will make the steel hard. After the steel has been ground and shaped it is again heated to the same red color and then plunged or quenched in the cooking oil. Two propane torches can be used to accomplish this. One is stationary on the bench and the other is portable in the opposite hand not holding the tool.

After treatment the tool will appear black and this scale must be removed with sandpaper to a silver

color so that the color changes can be seen when the steel is tempered.

Tempering is a process to draw out or reduce the stresses and brittleness that the hardening has placed on the steel. It softens the steel just a little and leaves a little flex to the blade so it will not snap under heavy use. This is a low temperature (500°F) operation and can be done in your kitchen oven or even better in a toaster oven. There will be one there at the meeting.

Bring the oven up to it's highest temperature. Use a reliable oven type thermometer. Place the tool on a rack of some sort that will allow the heat to get at all sides. Observe the color change and when the color changes to a light blue, take the tool out and quench it in cool water.

Tempering can also be done with one propane torch and a little time. You need to control the heat carefully. Apply heat to the heavy back of the tool and slowly bring it in and out of the flame. The same color change will appear to indicate the approximate temperature. It may happen quicker so be watchful.

A final sharpening and it's time to place it into a handle that you have already turned. Then off to the lathe and it debut as one of your favorite tools.

This article is meant to show you how easy Heat Treatment really is. It is not meant to show you everything about it. We invite you to attend this special class and take part in it.

Art Tokach

NOTE: BOBBY PEDIGO forwarded two articles that he found in the October 2001 issue of "WOODWORK" Magazine. I'll have copies at the meeting for your inspection. One on "Metallurgy For A Buck" explains Heat Treating and was written by a High School Shop Teacher. It contains a lot of methods he has used to teach students about Heat Treatment of Steel. Well worth reading.

The other article is about making a woodcarving knife from a circular saw blade.  
Other Reference Books;  
Knifemaking by David Boye



# Metallurgy for a Buck

## An Introduction to Heat Treating

BY ALLEN WEISS

When I first started teaching shop at Jamaica High School in New York City, we had to run our program with a very limited budget. With the help of my students, I made sets of chip carving tools for use in the shop. The blades were made from a wide range of salvaged materials, including sawzall blades, key hole saws, and handsaw blades cut into strips on a shear.

We also offered courses in metallurgy and material science, and over the years additional technical courses were introduced. As an introduction in many of these classes, I used the lowly hacksaw blade to demonstrate the basic principles of heat treating steel for tool-making.

The first terms we discussed were hardness and brittleness.

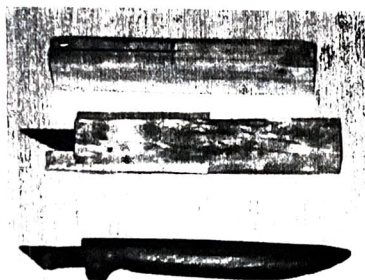
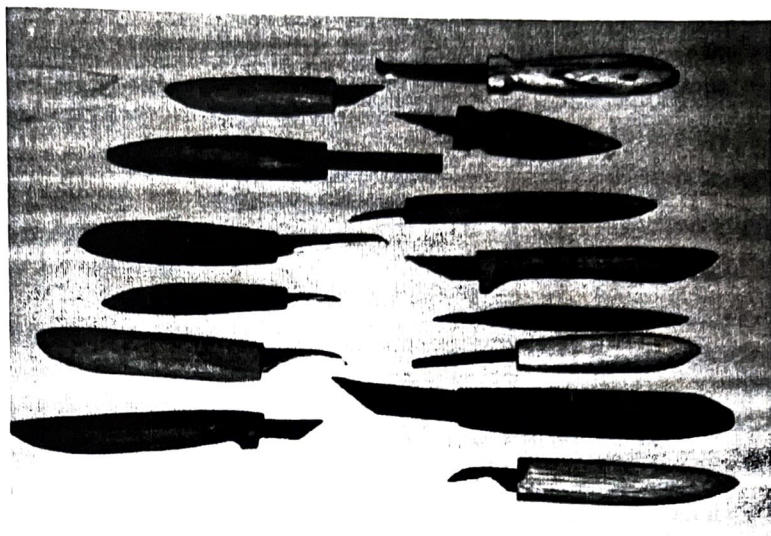
I had a student cut through a piece of steel with a hacksaw to demonstrate the relative hardness of the two. Then we put the blade in a vise and snapped (broke) it in half.

The broken blade was then heated with a propane torch to a cherry red color. We discussed the notion of critical temperature (the temperature above which the steel will harden) and the use of color to determine the temperature of heated steel. We then placed the glowing blade in a can full of sand and allowed it to slowly cool. This process annealed the blade (softened it).

The blade was then bent in a vise (we noted that, unlike the first time, the blade did not crack or shatter). Its hardness was then tested with a file—it was now soft and could be easily shaped. We rough ground the blade and shaped it into a chip carving knife. I had two wet belt sanders in my shop, and the grinders had a water drip on the grinding wheel; this prevented burning of the steel when shaping the blade.

Next we had to harden the blade so that it would hold a cutting edge.

The blade was once again heated to a cherry red and this time quenched in



water. I used water instead of light oil because smoke would set off the smoke alarm in the classroom.

We tested the hardness of the blade with a file. The blade, if now flexed or bent, would crack or break; although the blade was hard, it was also brittle.

The blade was now tempered (reheated) to remove the brittleness. We polished a section of the blade so that it would show the temper color.

The blade was now placed in a preheated toaster oven (easier to control than a propane torch at lower temperatures) set at 400°. The temper color for 400° F. is a light straw color. After holding it at this temperature for 30-45 minutes, it was then quenched in water.

CLOCKWISE FROM THE TOP—

An assortment of shopmade chip carving knives; Hacksaw and sawzall blades are very adaptable for this project; Three quick steps to making a handled knife for the shop.

A suitable handle was made from a scrap block of hardwood.

After the blade was set in the handle, it was wrapped with tape and the handle was shaped with a disc or belt sander. Finally, we applied an oil finish to the wood and sharpened the blade.

It was a great way for students to learn these principles. Unfortunately, in many schools today, making a tool that could be used as a weapon would be prohibited.

Allen Weiss taught woodworking and shop techniques for 33 years. He lives in Fresh Meadows, New York.

### UPCOMING WOODTURNING EVENTS

- Sept. 8, 2001 9 AM Regular Meeting at Mandan High  
Wood Shop - Turning Tools,  
Their Use & Sharpening by PAT
- Oct. 13, 2001 9 AM Regular Meeting at Mandan High  
Wood Shop - Tool Making with  
Lenard & Art
- Oct. 13, & 14, 2001 Flickertail Woodcarvers 32nd  
Annual Show at Doublewood Inn
- Oct. ?? 2001 Woodturners "GARAGE SALE"

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### TOOL MAKING CLASS

LENARD RESSLER has purchased a quantity of 3/8" and 1/4" oil hardening drill rod. For those members who are inexperienced with metal hardening and tempering we will have a Special Class at the October 13th meeting to instruct you. IT IS POSSIBLE TO DO THIS IN YOUR HOME WORKSHOP!! Lenard will have a variety of tools he has made from this material at the September 8th meeting for your inspection.

### "GARAGE SALE"

If you read the August Newsletter you should have read BRYCE'S column. He expressed an idea to have a "Garage Sale" to sell the extra tools all of us have accumulated throughout the years, and no longer use. We will try to hold it on a weekend in October. Hopefully during the Autumn Blitz of "Garage Sales". The location has not been decided and we are looking for a willing member's private garage to hold it in. The items sold will be by the member only a small fee may be charged. Let us know at the Sept. 8th meeting. A large assortment of tools is desired so check your extra tools now and be ready to List Them For Sale and then SELL IT! We will list them in the October Newsletter IF you have a list ready by Newsletter Deadline on Wed. Sept. 27th.

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NOTE: I received a call from GENE BARTON from Seattle, WA. He visited here and traded wood with some of us last year. He will be at the Sept. 8th meeting and is ready to trade wood again. He will have some Orchard Cherry and Madrona wood.



# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

OCTOBER 1, 2001

ISSUE # 50

## MEETING NOTICE

AT MANDAN HIGH WOOD SHOP  
OCTOBER 13, 2001 9:00 AM

"SHOW & SHARE"

10:00 AM - BUSINESS MEETING

HANDS-ON LATHE TOOL MAKING BY LENARD

### SEPT. 8TH REGULAR MEETING

The 9 AM class of Lathe Tool Selection, was headed up by PAT SCHWEITZER. He covered all of the Basic Lathe Tools. He offered a Autographed Copy of his Hand Out to any interested person. The Special Pen was donated by our printer, Roger at "Flash Print" after Pat used a blue pen for the drawings on his hand out. A no-no!

Pat shared what he knew about all of the cutting tools a body may use in this extensive hobby of ours. We learned the difference between a cutting tool(cuts curls) and a scraper (makes sawdust). He showed when to keep a burr and when to remove it for better cutting action. We now know that you can either use a bowl gouge or a spindle gouge in the others place. An expensive tool does not necessarily do a better job than a more economical tool (one the Frugal Woodturner would use). The quality of the steel is better in them, but it's still the man behind the tool that counts for a good job.

Bryce thanked Pat for a Super Presentation and for the Hand Out. A round of applause followed. Pat will present the remainder of his class after Hunting season.

We all make mistakes, but everyone makes different mistakes

### MINUTES OF REGULAR MEETING

The Regular Meeting was called to order at 10:30 and the Show & Share led off the program. Bryce asked for any Guests to be introduced. GENE BARTON of Bellevue, WA was there to trade some woods from his home club with us. We took a 15 minute break to finalize any trading with Gene. Thank You Gene. NOTE: Lenard told us later that Gene came and got a load of wood from him on Sunday. Gene's wife may not be very happy but his turning buddies in Bellevue, WA will have fun with it.

PRESIDENT HILL advised that by a vote at the August Meeting the collection of dues for 2001 was suspended and the Membership chairperson was directed to begin collection of the 2002 dues. ART TOKACH has new Application Blanks to be filled out. The dues remain at \$20 for a family. Each member is asked to fill out a survey to aid the Program Committee to plan next years instructions at the meetings.

### SHOW & SHARE

ART TOKACH led off with a further explanation of the Three Foot Bowl article he had in the September Newsletter. He showed how easy the tripod feet can be located on the bottom of a bowl with one setting of a pencil compass. He also shared how to make the template to make the webs between the feet all look alike.

ALICE BERNING showed a Cake Top figures for a wedding cake. The Bride was dressed as a Mermaid.

LENARD LARSHUS showed a black cherry bowl he turned from some storm down wood from a neighbors tree. He also showed an Alaskan Uno Knife Chopping block he made after a trip to Alaska. He made it



OFFICERS  
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VP Don Pollock  
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Secy. Art Tokach



because no woodturner should pass up a chance to make a \$10 object for \$15. Either way it was a good job and worth every extra buck. No refunds or returns.

WELDEE BAETSCH showed a Photo Album he has put together of the Instant Gallery at the St. Paul Symposium. He lost part of the video of the same turnings by accident. Both will be available through our Library.

DUNCAN WARREN showed two bowls he turned from some of the spalted alder burls he traded with GENE BARTON last fall. One was finished with shellac and the other with lacquer. He also turned a bowl from "Milo", a native wood from Hawaii that he obtained from VERN HANSEN. It had beautiful color. He has made several Rolling Pins from contrasting alternate pieces of wood glued together at a 30° angle. He told of some of the turning problems a body may run into if your tools aren't Super Sharp. The main problem lies in the way the grain shifts for every 90° turn of the lathe.

LENARD RESSLER showed a deep bowl he turned from a cottonwood burl. The wood is very grainy with lot of swirls. He showed an example of next months challenge, a Spatula. He made two from the same piece of wood, one on either end. He also turned some spoons by using the offset chucking approach. Lenard adapted a sanding drum sleeve to fit his jacob's chuck so he can sand the full length of the sleeve while it is mounted on the lathe.

JIM MURSCHEL purchased some spring steel and made some chatter tools. He even padded the handles to prevent and sore spots and to insure better control.

BOB GRUMAN showed us some flanged nuts at the July meeting at Pat's Shop. He has found a supplier and is looking for others who would like to join with him to purchase a quantity to make small faceplates. They are 1" X 8 threads, ideal for Delta and Jet machines. Cost will be about \$2.29 ea.

DUNCAN moved to table the purchase of a lathe or other tool for Mandan High School and to wait to see if together we can send a teacher to a training course for wood lathe instructors next summer.

## NOVEMBER CHALLENGE

Duncan also issued the Turning Challenge for the November Meeting. He wants us to turn 5 or 6 - 1.5" wide Beads on a round blank, using ONLY a SKEW TOOL. Size should be around 2" X 12" long. Design and choice of wood is optional so let your mind soar when doing this challenge. Bring them to the November meeting with all of your successes and your failures. ie. Oop's or Boo-Boo's.

## SILENT AUCTION

BILL WHITE recently returned from a West Coast train trip. He stopped at Dale Zimmerman's Shop while there, Dale donated a box of Big Leaf Maple Burl Bowl Blanks. We will save them until the October meeting where they will be numbered and a Silent Auction held. Minimum starting bid will be \$5.00 with a \$1.00 bid raise. Money to go into club treasury.

## MONTHLY TURNING CHALLENGE

The monthly Challenge has been on Vacation during the Summer months and will return in October. The challenge will be to turn a spatula or other kitchen utensil from one piece of wood. Several examples were offered as guides to completion of the challenge. Bryce asked for any ideas for future challenges. We want to keep the program going and we need some new ideas. Please, let any E-Board officer know.

## "GARAGE SALE"

The "Garage Sale" will be held in Bryce Hills Garage at 215 West Ave F, on Friday Oct. 12th from 9:30 AM to 4 PM. If any member wishes to have their tools included in the sale they need to have them ready and at Bryce's Garage on Thursday Oct. 11th. No fee will be charged but member needs to be present to sell items of higher value. We will advertise the sale in the Tribune. Pickup any unsold items by 4PM.

## "BRING BACK"

JIM MURSCHEL won the "Bring Back" prize this month. JIM FINE gave him a turned stamp box with a fifty year calendar on it's top. Bryce won a second prize, a miniature bowl from Lenard.



## 2002 DUES ARE DUE

Membership Chairman Art Tokach wishes to thank the ten members who paid their dues at this meeting. Remember to fill out the survey for our planning purposes. 12 paid, 38 to go!

BRYCE announced that the remainder of PAT's class on sharpening your basic tools will be presented at a later meeting after hunting season.

Meeting adjourned at 11:30

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## SEPTEMBER 17TH E-BOARD MEETING

Six E-Board members and two guests, Duncan Warren and Jim Murschel met at the Dakota Farms on Sept. 17th. Absent was VP Don Pollock.

## TOOL DISPLAY

We hope that everyone had a chance to view the tools that LENARD RESSLER had there as a preliminary display for the October Meeting and Hands-On Class. There were several things going on and Lenard's display got sidetracked right out the door. After a person spends so much time preparing for something like this it is a shame we didn't take the time to view it. We apologize Lenard and hope you forgive us.

WELDEE informed us of the November Class subject. We will begin having members who attended either the Provo or the AAW's Symposiums this year to share some of the things they observed while there, with the rest of us. They should each plan on a 15 minute program.

## NOMINATING COMMITTEE

Pres. HILL will appoint a three person Nominating Committee to find candidates for the following offices; President, Vice President, Librarian and a Member at Large. They will be voted on at the Dec. Meeting. Their term will run until Dec. 31, 2003.

We have been fortunate in our previous choices and we should be as diligent this time in our choices.

Volunteer for an office or as a Committee member and become a part of continuing these Great Programs we have enjoyed these past four years.

## RENEW LIBRARY SUBSCRIPTIONS

It was moved, seconded, discussed and passed to direct the treasurer to pay \$35 each for the AAW's subscriptions for the Bismarck and Mandan Libraries. Also to purchase the three Video's of the AAW 2001 Symposium for \$65, and to inquire about the CD available from the Provo Symposium. NOTE: Most of this money comes from the money donations, you, our members make for various things. Keep The Donations up!

## WHO GETS THE DONATIONS ?

It was suggested to announce early at each meeting the person to pay any donated money to in case the treasurer KELLEY GEIR is not in attendance.

## ARTS & CRAFT FAIRS?

Each year we wonder if we should enter any Arts and Craft Shows for our members to sell some of their extra turnings. We would like to discuss this subject at the October Meeting so be prepared to talk about it.

## GRANT APPLICATION DUE

We are planning to apply for an Educational Grant from the AAW for a Symposium in 2002. We need to know what you would support if we do. This application needs to be in their hands by the end of December.

## BE PREPARED

Before the October 13th Meeting it would help you to review the "Heat Treatment" Newsletter articles in the September Issue. Another very informative article was in the Spring 2001 Issue of the AAW Journal. Bring your questions with you for answers. We will be busy with demonstrations and Hands-On work.

## WOODCARVERS SHOW

The Flickertail Woodcarvers will have their Annual Show at the Doublewood Inn on October 13th and 14th from Noon to 5 PM each day. Raffle Tickets on Sale at the door!

PAGE THREE



## NOTES FROM THE PREZ

Well here we are and fall is just around the corner.

Our program for September was outstanding. Pat took us back to "Turning 101" and provided us with a great review of tools and their purpose in turning. Thanks for the informative session and we will continue this program once hunting season is over.

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Our October program will be with LENARD RESSLER on "How To Make Tools". At the September meeting, Lenard brought his tools and displayed them for our observation. Unfortunately, I forgot to mention his display and some of you may not have seen the wide range of tools he has made. When Alan Lacer was here two years ago, he taught us how to make a hook tool for end grain. Now Lenard has put a lot of time and effort into his class on tool making. He has purchased some round steel and will show us a variety of tools that can be made in your home workshop. This will be a great program and I hope many of you can make this session.

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We will have the Wood Turners Tool Sale at my Garage at 215 West Ave F. in Bismarck. The sale will start at 9:30 AM and conclude at 4:00 PM on Friday, October 12, 2001. You are welcome to bring any tools you wish to sell. I do ask that the tool be brought before the sale starts and that they are priced as to what you want.

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WELDEE has been contacting persons who have attended Symposiums this year for future programs. What you have learned can be a real asset for all of the Woodturners. When he calls PLEASE respond.

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We had a great start in September. Do not forget to invite a friend to our meetings. You would be surprised as to how many people are truly interested in our Craft. Happy Wood Turning and see you in October.

Bryce

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Unless you try to do something beyond what you have already mastered, you will never grow

## THE GOOD . BAD. & UGLY

Art Asked me to write an article on, "What are we going to do for box elder burls when nobody plants them anymore?".

You are right Art, very few box elder seedlings are planted anymore, not even in the farm shelter belts. Years ago most of the shelter belts had at least one row of box elder. I know because I planted a lot of them. Box elder is a cousin of the maple tree, and in years past a passable syrup was made from the sap in early spring. The box elder is a native tree that produces a mega load of seeds each year as the new seedlings in my garden will attest to. Even with very few plantings being made this tree will be around for a very long time.

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Each year on the application for membership is a space for each of you to write in what you would like as far as programs and a demonstration to fit your needs. Generally most new members fill them out and add comments. The older members do not fill them out (I have been one of them), but from now on I will. These ideas and suggestions are really needed so that the Program Committee can develop outstanding programs to fit your needs. This information is needed also for planning our 2002 Symposium

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If you are looking for shapes to turn that are pleasing to the eye, look at some of shapes from ceramics or pottery. You may even see some shapes in nature that you would like to copy.

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The Fine Woodworking magazine (the July August issue) has an article on a jig for making pieces for segmented rings.

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Sorry I won't be at the October meeting. I have to go to my wife's Collage Reunion in Moorhead, MN

Keep the chips flying, Dunc

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If you want to be different nowadays  
Just act normal



# DAKOTA WOODTURNERS GARAGE SALE

215 West Ave. F  
Friday October 12th - One Day Only  
9:30 AM to 4 PM

ALL UNSOLD ITEMS MUST BE REMOVED BY 4 PM

**Early Birds should find these items:**

Consigned by Bryce Hill - 255 - 6315

- A. 10" Ryobi Miter Saw
- B. 12" Sears Band Saw with blades - fence & miter gauge
- C. 510 Shopsmith with 10" Saw Planer- Assess, Lathe Tools
- D. 8" Craftsman Drill Press
- E. 8" MAT Grinder - 3400 RPM
- F. 22" Craftsman Weed Wacker
- G. 5 HP - 24" MTD Snow Blower
- H. Strobe Light with Stand
- I. Case of 10/20 Conoco Motor Oil

Consigned By Lenard Ressler - 663-4301

- A. RYOBI Variable Speed Mini Lathe - 10" Swing -18" C to C  
with 3 drawer cabinet - \$180
- B. PENN STATE Model SS15" Scroll Saw with dust blower - \$75
- C. Emerson - 3/4 HP - 115/230 Volt Motor - 5/8 shaft - \$110
- D. Emerson - 1/2 HP - 115/230 Volt Motor - 5/8 shaft - \$90
- E. Homemade Boring Bar for a Jet or Delta Mini Lathe - \$100
- F. Darra James Lathe - Antique 1930 model - No Motor -

Consigned By Ralph Feland - 663-8569

1 1/2" X 10"d Slow Speed Stone Sharpener

**MANY MORE TURNING TOOLS WILL BE OFFERED**

Please Post

## A PEEK INTO LEONARD'S NOTEBOOK

One of the presenters I had on my "To See List" when I left for the AAW Symposium was Dale Nish from Provo, UT. Some of the earlier books I read on woodturning, were authored by Dale. His biography in the Journal states "Dale is one of the Pioneers of the current turning movement, as well as a versatile turner, demonstrator and writer". The topic of the session I attended was "Reverse Turned Hollow Forms". For the vase he turned, he started with a piece of Myrtle Wood 5" Dia. and 8" long.

One question he raised was, why turn high hollow forms? What are you going to use them for after they are finished? His opinion is that small vases are more attractive and useful for decorating than deep vessels. His rule of thumb for lathe speed is: Dia. of wood in inches times RPM should equal 6000 to 9000. Or perhaps the better way is to divide 6000 & 9000 by the diameter of the wood and that will be the RPM range to use. For a 5" dia. one comes up with the range of 1200 to 1800 RPM.

$$\square = \square = \square$$

The following is his idea for vase proportions-based on application of 1/3 to 2/3

Neck height is 1/3 of the total height

Vase body is 2/3 of the total height

Vase body /diameter is 2/3 of the total height

Maximum diameter of vase up to 2/3 the body height

Neck base down to maximum diameter is 1/3 the body height.

Base diameter is 1/3 the body diameter.

Neck diameter at top is 2/3 of the body diameter

Neck diameter at base is 1/3 of the top diameter.

The vase he turned using the above ratios was very well balanced and had a very pleasing look. His approach to turning the vase was a bit different. In the bottom he drilled a 1 1/4" hole and in the top(neck) he drilled a 1/2" hole. This made turning the inside of both the neck and the body much easier. A plug for the bottom had first been cut from one end of the blank and was turned and glued in to form the base of the vase. It was hard to tell that the bottom was plugged.

Leonard Larshus

## WRAP AROUND MIRRORS

How many times have you placed a Wood turned piece on a table display and some of the best work is hidden on the back side out of sight. It would be nice if you owned a turntable but they are expensive and take up space and then you have an electric cord to contend with and probably to trip over. Why not make a small scale "Wrap Around Mirror" system similar to those in clothing stores. You know the ones that you can view how a piece of clothing fits you all around including both sides and the back.

A six pack of 12" square mirrors can be purchased at most Home Center stores for about a buck a square. A glass cutter may cost another couple of bucks. Lay the mirrors on a firm surface and make two cuts 3" from each side. A pair of simple hinges can be made with good old Duct Tape. Apply the tape with the glass face together then open and adjust the side mirrors. This makes a 12" high mirror. If a shorter wrap around is desired, cut to the proper height before cutting the sides.

The support block is also very easy to make. I used a 6" scrap of 2X4. Set your table saw to a 15° angle and the depth about 1/4" from cutting through on the 2" side. Have the fence set to almost touching the blade. Pass the block through the saw. Reset the saw fence to widen the gap to the fence the thickness of the blade. Pass through the saw again. Now raise the blade 1/8" and reset the gap to widen again. This should form a stop on the front edge and have enough clearance for the glass to easily fit into the slot. If it does not, reset again to accommodate the glass thickness. Saw to the width of the middle piece of mirror. The 15° lay back on the block will make the show piece visible to a person standing in front of it. It is best if these Wrap Around's are place to the rear of the display table. If placing on a pedestal the support block should be fastened to the flat display area to prevent falling over.

Often times some of the Chip Carved bowls I have done can not be viewed from all sides. Here is a way to show all sides with a Wrap Around Mirror. This same set-up could be used for a carving that has something happening on it's reverse side.

Art Tokach



## WOODTURNING EVENTS

- Oct. 12, 2001      Woodturners "GARAGE SALE"  
9:30 AM to 4:00 PM  
215 West Ave. F
- Oct. 13, 2001 9 AM      Regular Meeting at Mandan High  
Wood Shop - Hands-On Making  
Lathe Tools with LENARD
- Oct. 13, & 14, 2001      Flickertail Woodcarvers 32nd  
Annual Show at Doublewood Inn
- Nov 10, 2001 9 AM      Regular Meeting at Mandan High  
Wood Shop -  
Sharing Symposium Knowledge



# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

NOVEMBER 1, 2001

ISSUE # 51

OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgm. Weldee Baetsch &  
Leonard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach

## MEETING NOTICE

AT MANDAN HIGH WOOD SHOP  
NOVEMBER 10, 2001 9:00 AM

### "SHOW & SHARE"

**SURFACE TREATMENTS BY LEONARD LARSHUS**

**10:00 AM - BUSINESS MEETING**

**HANDS-ON**

**BRING MINI LATHES FOR SKEW LESSONS**

**SHARPENERS FOR SKEWS- AVAILABLE**

### EARLY CLASS

The Early Class was a showing of Shop made tools that LENARD brought back for our viewing because last time we failed to include them in our meeting plans. LENARD explained the intended purpose of each tool and commented on any problems he has encountered making and using each tool. He told how he made each tool and where to purchase the material. THANK YOU LENARD FOR A SECOND CHANCE.

JIM FINE had a problem setting up a large irregular shaped birch bowl blank and getting it ready for turning. Lenard showed him how to find the center and to mount it on a faceplate and the beginning cuts to make to bring it into an evenly round bowl blank.

HOWARD RASMUSSEN from West Fargo was here attending the Woodcarving Show and brought a 12" high vase that he had turned and then did some Floral Relief Carving into its sides. A very nice job. He also told us that about 35 Turners showed up for an organization meeting to form a Woodturners Chapter in the Fargo area. We all wish them a lot of luck and

offer any help we can share with them. He will keep us posted about their final outcome.

DUNCAN was away for this meeting but had an example of the November Challenge for us to better understand what the challenge is and its size. REMEMBER the only tool you can use is a "Skew" to do the outside beads. Size for this is not critical but should be about 1.5" to 2" in diameter X 12" long. Style and end result is optional. Once the beads are mastered the cutting of a cove with a skew is easier to learn, maybe in a later challenge?

BRYCE explained how the Silent Auction would work for the Dale Zimmerman Bowls that he gave to us. More later on the dollar amount received.

### SHOW & SHARE

EARL SETTERLUND showed his idea of the the kitchen spatula &/or utensil. He made a Lefsa Turner.

LEONARD LARSHUS made his spatula from a limb of an apple tree.

JIM FINE used mountain ash for his spatula.

WELDEE told us of a small problem he encountered after sawing his spatula in two. He cut too close to the outside edge and when trying to remove the saw grooves it was very thin and he was afraid of it catching and causing an accident. Bryce suggested to place it down on the belt and then to pull it back

BILL WHITE told about attending the Washburn Art Show and the favorable response he received from them about his work. He also told that he has about 200 photo's that he took at the St. Paul Symposium in July. He plans to put them into an Album for our viewing.

If at first you don't succeed, then skydiving is not for you



WELDEE also has additional photo's he took there and will add them to his album that he shared with us last month.

ART TOKACH added that he receives several newsletters each month and he has a binder with all of the photo's these other clubs have had in their Newsletters. These photo's can spark an idea that you can use in your work. He will have it at future meetings for your viewing and what ever else you want to do with them.

## REGULAR MEETING MINUTES

President Hill called the Regular Meeting to order at 10:00 AM. 20 member were present. A motion was made and passed to suspend the reading of the minutes of the Sept. meeting.

Bryce appointed Weldee Baetsch, Bob Gruman and Kelly Geir to find a slate of candidates to run for the President, Vice President, Librarian and a Member at Large. Election will take place at the December meeting. Their term of officer is for two years, until Dec. 31, 2003.

DUNCAN WARREN recently received the "EXCELLENCE IN COUNTY GOVERNMENT AWARD" at a State Wide meeting

## SPECIAL CLASS ON MAKING TOOLS

LENARD RESSLER showed how to oil harden the drill rod he uses to make various lathe tools. Because of his experience at hardening carbon steel for knives Art Tokach shared his knowledge of the subject. If you were unable to attend this very special class, try to corner either of these members for a better and personal understanding, They may even be able to answer your questions on the subject

The "Bring Back", a choice of 3 tools was won by Art Tokach after drawing 10 names. I chose a Chatter tool. Alice Berning then used the drawing slips to give a Hand Painted Pumpkin away to Vern Hansen. Thank you Jim and Alice.

Meeting Adjourned at 10:15 AM

## E-BOARD MEETING

The E-Board met at the Dakota Farm on Oct. 15th. Officers present were VP Don Pollock, Leonard Larshus, Weldee Baetsch, Kelly Geir, Art Tokach, and Bob Gruman a Nominating Committee Member. Pres. Bryce Hill is in the Hospital for Back Surgery. Pat Schwietzer was probably out for an evening hunt.

GARAGE & TOOL SALE. Those that had things there for sale were satisfied but felt that the weather kept some people away. They would look for an earlier date for the next sale.

SILENT AUCTION. Kelly Geir reports that the Silent Auction took in \$53.50 for the eleven bowls. Another \$7 was donated for other items.

MEMBERSHIP DUES. Art Tokach reports that as of Oct. 13th we have 22 paid up members. We have 28 to go to equal last years numbers. Renewal applications will be sent to all out of town members who do not regularly attend meetings. We hope they will all renew and remain members.

NOVEMBER CHALLENGE. Duncan Warren issued next month challenge, USE A SKEW TOOL TO MAKE BEADS. He even had an example at the October Meeting for us to follow. Sounds easy doesn't it? But we know there are some turners who still avoid using their "Skew" because of a past, bad experience. The Program Committee invites those people to bring their Skew tools and their wood blank to a Hands-On session at the meeting. We will have expert sharpening advice. Along with some of our best "Skew" turners to help us out. We ask that you not be shy and come forward for the help we can share with you. If it is easier for you to learn upon, you can even bring your Mini Lathe to use.

DECEMBER CHALLENGE. Bob Gruman and Art Tokach will team together to issue the December Challenge. As we all know, Bob has had several Used Plastic Tubes for give aways. There have been very few takers and Art has been carrying them forth and back each month. Our turning challenge is to come up with a NEW TURNING USE FOR THE TUBES. We do NOT want to influence anyone with a suggestion so put on your



Creative Thinking Cap and come up with a good turning idea. As usual there will not be any prizes, just the satisfaction of having a Good Idea!

ANNUAL NIGHT OUT Everyone who took part last year enjoyed the Night Out. We are planning another for January, 2002 probably at the Elks Club again. More in a later Newsletter. Let us know your wishes!

### FROM THE PREZ:

With the events of the past several weeks, it is time to sit back and reflect on where we are and hopefully where we are going.

I do not think in anyone's mind, the events of September 11, 2001 has forever changed our lives. I have been around almost seven decades now and the World Trade Center and Pentagon disastrous bombing have changed my whole life and I do not see that it will ever be the same again.

We are now fast reaching the time of Thanksgiving and shortly afterwards we will celebrate the Birth of Christ. For me it's a time to be thankful and grateful. I am so thankful that I am an American, I grew up in a free country and have been blessed with so much. We woodturners have so many wonderful opportunities. For example, we have a place to meet once a month. We have sharing members that help us all out. we have had as good or better Symposium with three of the nations best teaching woodturners, Bonnie Klein, Rus Hurt, and Alan Lacer. At the next meeting take time to thank those that have helped you, and made our woodturning group outstanding.

It's time to put our lives in perspective, what do we want to accomplish in our lifetimes. Think about and Pray for all the Armed Forces that are fighting Terrorism and trying to keep sanity in our lives. Think about the Police and Fire and related Emergency Units that help to keep us safe.

Yes we are truly blessed with so much. Let's be kind to our neighbor and those that live around us. Let's stand up for what is right and most of all, GOD BLESS AMERICA!!

Bryce Hill, President

## A PEEK INTO LEONARD'S NOTEBOOK

I will share with you some notes from one more session at the AAW Symposium. Phil Brennon had a good presentation on "Turning Southwestern Style". He started out his session with a slide show of pottery and Pueblo forms. The pottery vessels were not only useful for carrying and storing food products and they were very well designed and pleasing to look at. Phil has spent a lot of time studying this form of art and has done a good job of duplicating it in his wood-turnings.

The most creative part of wood turning is to get the form. Strive for form first. The form is what is what draws your attention. It might take one to two hours to create the form. When creating the form start out with a short neck, as this will leave more options open. Don't create a form that is beyond your ability, or available tools, to get the inside hollowed out. He used a 3/8 inch gouge and a round nosed scraper to make curves. When creating the base, get the bowl to float and not look like it grows out of the base. Use round curves on the bottom so you have the same sensuality on the bottom as you have on top. Phil recommends trying the finish cut before you need it, so you know how the wood works and it gives you a chance to try different cutting tools. Good tool control is essential to making good forms. Proper tool rest height is important to cutting performance. When changing the tool, the tool rest may have to be changed. When Phil makes a hollow form he will turn the inside before he takes all the wood off the outside of the base.

Phil turns most of his pieces on the end grain and prefers using a faceplate rather than a chuck. He says don't use too many screws, as chunks of wood can pull out if the wood is a little punky. His fink comment was "if you want to know if you are producing a good form don't ask your wife".

Leonard Larshus

-SAVE TIME - SEE IT MY WAY -  
Lucy from the Peanuts strip



## HOW TO MAKE A SQUARE BLOCK FIT ON A ROUND FACEPLATE

In a recent newsletter from another club it showed a device for safely turning a square block without getting your knuckles busted several times during the process. It looked like one of the devices I have used to finish the bottom of a bowl. It consists of a plywood faceplate and a plywood ring that holds the turning blank securely to the faceplate. You work through the hole to do the final finishing. I'm sure that the person who made the jig said to himself, "Why not use it to protect my knuckles? Instead of just turning the bottom of a bowl. Why not turn the inside of the bowl and save my knuckles for something less painful?"

This brought a problem to mind that some one asked me about some time ago. His question, How do you figure the size of the square block before you mount it on the faceplate? What are the limits?

If you're like me you don't want to spend a lot of time with trial and error to find the perfect size. You could do the problem with a ruler, a compass and a geometric calculation. OR. You could do it with a simple math equation on your pocket calculator.

Take the safe swing of your lathe and multiply that number by 0.7071. (Example - 10" swing X .7071 = 7.071). This same calculation could be used for any size circle up to the limit of the lathe swing.

### 4 X4 SQUARE TURNING BLOCK

<u>Safe swing</u>		<u>Square side</u>
6" dia. x .7071	=	4.25"
7" " "	=	4.95"
8" " "	=	5.66"
9" " "	=	6.37
10" " "	=	7.07"
11" " "	=	7.78"
12" " "	=	8.49"

Remember to start your cut in solid wood close to the center and proceed outward to the desired bowl size. Support the work with your live center as long as possible. I'll have my drawing equipment with me for a demo. Remind me !  
Art Tokach

## THE GOOD - BAD & UGLY - PLUS

The American Elm was probably the most visible tree in early America and up to the 1960's when Dutch Elm Disease (DED) lead to it's loss. George Washington transplanted the elm from the Potomac River to his Mount Vernon home. The shape and height of the American Elm provided beauty and shade. Many remember the tree lined streets and avenues lined with this beautiful tree. Some of these remain but continue to die due to the DED which was introduced in the 1930's. Man is as much at fault as the fungus. The tree plants very easily and is tolerant to drought and salt used on the streets and therefor become the only tree used by city planners and others. The continuous rows with their interconnected root systems helped to carry the DED from one tree to the other. Of course faster and modern transportation helped to transport the fungus from one city to the next and all the area in between.

But let's take heart - some new strains of the elm have been developed that make planting them a viable option. These new types are the "Princeton" and the "American Liberty". Young American Elms are quite resistant to the fungus, it is the older ones that are more susepable. Plant one or two but keep separated by at least 100 feet.

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Some of you may be looking for some used shop equipment? The MHS Shop Department is getting rid of the following Power Tools;

Rockwell Lathe - 46450 - 12" Heavy Duty - 1 Hp  
Variable speed (1974)

Powermatic Belt Sander Model 30A - 1 1/2 Hp -  
With Stand - 12" disc & 6"X48" belt

Powermatic Drill Press 1150  
3/4 Hp Variable Speed.

If you are interested in a good buy see me at the meeting about details about who to contact at the school.

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Many of you have asked about turning speeds. The following numbers will give you a range of speed that is considered safe, providing the wood is balanced. These numbers are used by Dale Nish in his classes.

Diameter in inches X RPM = 6000 - 9000

Exp. 9" X ? = 6000 - 9000 (these are only numbers)

Therefore 9" dia = 650 to 1000 RPM  
This is a safe turning speed of balanced wood

If the slowest speed you are turning is 800 RPM and the diameter you are turning is 24" - Then  $24 \times 800$  is almost 20,000 RPM. This far exceeds a safe speed. Nearly all injuries are caused by excessive speed.

□ - □ - □

Be sure to bring your challenge of a beaded spindle turning done with only a skew to the Nov. meeting.

Keep the Chips Flying

Dunc

□ - □ - □

### 3 GREAT THINGS ABOUT FAILURE

1. IT'S TEMPORARY
2. YOU LEARN WHAT NOT TO DO THE NEXT TIME
3. YOU BEGIN TO SEE WHAT WILL WORK

□ - □ - □

A swelled head seldom covers a broad mind

□ - □ - □

### SOME EARLY COMMENTS FROM THE SURVEYS

Each year, through the surveys on the back of the application forms and this years special survey, we ask you about things that you feel could improve our club and our meetings. The following are the comments we have received so far. If you have not filled out a survey do so at the next meeting. We really need suggestions from those members from out of town on how we can help you.

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1. Height and angle application of cutting tool.
2. Other turners sharing info (The Good, Bad & Ugly) about lathes they own, faceplates, chucks (What are the good ones?)
3. If I want to buy an accessory or a lathe, what should I look for? Which ones should I watch out for?
4. Have one item for meeting. Exp. Bowl - Green turned - others participate.
5. Much SHORTER business meetings.
6. Make up programs for at least 6 months ahead.
7. Start early planning for Symposium.
8. Should we have an evening of turning once a month at school or someone's shop?

To date we have received only 12 surveys. Many of those are in favor of the subjects taught in the Instructional Classes. They like the Meeting Format with the Show & Share. The agenda. The Symposiums. The Hands On. The new articles being written by some of our members for the S&S were marked as good and should continue. They did vary somewhat in the choice of the Monthly Challenges and the Bring Back.

The 50/50/90 rule: Whenever you have a 50/50 chance of guessing at something theres a 90% chance you will guess wrong



## WOODTURNING EVENTS

- Nov 10, 2001 9 AM Regular Meeting at Mandan High  
**Wood Shop — Nov. Challenge**  
Use Only Skew to turn Spindle  
**Sharing Symposium Knowledge**  
Surface Treatments - Leonard  
Larshus  
Bring Your Mini Lathes for  
Hands-On Skew Lessons
- Nov. 12, 2001-7PM E-BOARD Meeting at Dakota  
Farms Rest. in Mandan
- Dec. 8, 2001-9 AM Regular Meeting at Mandan High  
**Wood Shop. More Sharing of**  
**Symposium Knowledge**
- Jan. ?? 2002 -? PM Annual Night Out, Details Later

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## 2002 DUES ARE DUE

We Hope You will remain a Member of the Dakota  
**Woodturners. Annual Family Dues are \$20.00**

In this Newsletter, our Out Of Town Members will  
receive an **Application Blank** and a **Survey Blank** to  
fill out and return to Art Tokach ASAP.

**We know that you can not attend very many**  
meetings &/or Symposium's but we still would like  
to have you as a member. The Survey is a way for you  
to tell us where we can help you and share with you  
our knowledge of Woodturning. The SASE is to make  
your task a little easier.

### A REMINDER FROM THE AAW

If you are considering joining the AAW and we  
certainly encourage it, now is the time to send in your  
\$35 dues. It insures that your name will be included  
in the 2002 International Directory.

Besides receiving their journal four times a year,  
other benifits include Liability Insurnace in case  
some one is injured while you are demonstrating. Our  
club can apply for Scholarship Grants for our  
Symposiums. Get an Application Blank from Art T.

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# DAKOTA WOODTURNERS SAWDUST & SHAVINGS

NEWSLETTER

AAW CHAPTER #115

DECEMBER 1, 2001

ISSUE # 52

OFFICERS  
Pres. Bryce Hill  
VP Don Pollock  
Treas. Kelly Geir  
Prgrm Weldee Baetsch &  
Leonard Ressler &  
Pat Schweitzer  
Libr. Leonard Larshus  
Secy. Art Tokach

## MEETING NOTICE

AT MANDAN HIGH WOOD SHOP

DECEMBER 8, 2001 9:00 AM

THEME FOR "SHOW & SHARE"

TURNED HOLIDAY PROJECTS

9 AM CLASSES:

DESIGN IN TURNING - PAT SCHWEITZER

PRODUCTION TURNING FOR SALES - B. WHITE

10:00 AM - BUSINESS MEETING

HANDS-ON BRING MINI LATHES

FOR ORNAMENT FINIAL TURNING

### 9 AM CLASS

SURFACE TREATMENT was the title of the class presented by LEONARD LARSHUS. He used his notes from the St. Paul National Symposium. He had attended a class presented by Jacques Vesery who, besides being a highly skilled Woodturner is an Artist who carves leaf and feather designs onto the surface of his bowls. He uses mostly power tools for the actual carving. He prefers the Ryobi with Flex Cut chisels. He prefers green cherry wood. If it gets too dry he soaks it in water with a little fabric softener added. He brings the wall thickness to 1/4". The carving is done from top to bottom and from left to right. He does not measure for the placement of the leaves as he feels it will appear as too mechanical. He burns some of the fine detail lines into the leaves because a cutting tool can not show as fine a line as when it is burned and then finished.

For his finish he mostly uses India Ink as a medium to create an ebonized appearance. Leonard has used that and has tried Acrylic Black, but prefers the ink.

As a final top coat he then sprays it with 2 or 3 coats of Deft semi gloss. The final turning is a neck made from some exotic wood. Leonard told about one of the two bowls he had as a display models. Leonard said, he never lets a mistake get in the way of creating a golden opportunity for improvement. The mistake on this one was turning the insides too deep until he could see daylight. So, he turned a second matching piece for the bottom. Several requested that he include them on his gift list.

### SHOW & SHARE

ART TOKACH led off the "Show & Share" portion of the meeting by showing the challenge for November, "A beaded spindle made with a Skew Only. He pointed out some of his mistakes and the tool catches that he made. He also tried cutting some shallow coves with the skew. Much was learned about each procedure.

KEN NESS followed with a 4" bowl he turned from cottonwood. He had problems with the bottom breaking out (3 times) and having to glue it back in. After the third breakout the bottom was loaded with glue and was hard to sand. His solution. He recalled someone saying that a good solution to this problem was to paint the insides black and no one could see the bad sanding job. He had another bowl that was still mounted on his chuck. He had finished it to a very thin state and stepped inside for a slice of pizza and when he returned to the lathe the bowl had warped out of shape and was so thin it would had ended up with holes if he would have continued. He asked for advice for the next time. Duncan said to cover it with a plastic bag before leaving to go anywhere. Also, some of the fresh chips could be added to the insides to keep it moist and exclude any drying air from the piece.

*No one is listening until you make a mistake.*

LAUGH AND THE WORLD LAUGHS WITH YOU - CRY AND THE WORLD LAUGHS LOUDER



LEONARD LARSHUS told about some of the tools he made after last months class. He was proud of the 1/4" skew he made. His challenge was done from an apple branch.

TED LIVESAY showed his successes of the challenges he made. When asked what kind of wood he used he replied, "Just something from Cliffs tree row". He admitted to the difficulties that he encountered. He also had some of Cliff Rime's work that he had completed for the challenge.

EARL SETTERLUND also admitted to the tricky ways that the Skew has. He told us of not having used the skew except as a scraper before this and welcomed a new found tool to his kit. He also showed a small chalice that his Pastor had on his desk and when asked about it he told of getting it from the Holy Land. Earl plans to make several to present to those who make their First Communion in his Church. Good Idea - Lots of Luck!!

WELDEE BAETSCH has some Linden wood for give away. He had some problems with a piece of birch wood he had drying in his wood-pile. It was punky and soft in the middle and wondered what could be done with it so the outside could be turned. Duncan said to flood it with thin instant glue and it will be tough enough to work again.

DUNCAN WARREN showed a natural edged walnut bowl and told that he runs some instant glue around the bark and sapwood line to make sure it does not fall free while turning. He told of the steps to turn these types of bowls. Turn bottom first. Leave the inside center wood to be cut last. Work the outer edges first and when satisfied with thickness advance in toward the center. Finish the center last. If you are working a out of balance piece remember to slow the speed of your lathe to a very slow speed. Double Check the Speed Setting before turning the machine ON !!!

Duncan showed two rough turned bowls and asked which would be the easiest to turn? The first one had straight sides with a flat bottom and the other had a sloping side with a smallfoot design.

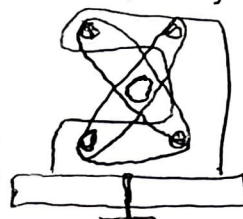
Duncan answered that the bowl with sloping sides would be easier to turn



because your bowl gouge would go completely to the center of the bottom for a smooth cut. When turning the straight sided bowl a person would encounter difficulty when trying to cut a flat bottom on the bowl.

A discussion was started as to how the biased rolling pins are made. Both Duncan and Lenard showed their methods of making the raw material.

LENARD RESSLER showed us a light duty Steady rest that uses waxed cord as the supporting material. It is attached to your lathe bed with a simple clamp. The cord is begun on the lower left pin and follows around the upper right and then back to the lower left. Then around it to the lower right, then to the upper left and ending at the lower right. He made the upright part from 3/4" plywood and the bed plate from solid hard wood. The turning piece is placed inside the small square of cord.



JIM FINE started out to make three identical candle holders but ended with three similar but, different styles. They all had beads, like the challenge stated, but, each was a little different.

LENARD RESSLER'S tips for the month: Use the drive rod to imprint a center mark on a chucked up bowl's bottom before removing it from the lathe for finishing the bottom. It saves time when trying to locate the center. He also fashioned a cup to catch the center as it is tapped out of the head stock. No more stabbed hands or centers lost in the chips.

MARLENE ROLES visited us from Williston, she showed some of the Tauga Nuts she has turned and the tools she made from Allen wrenches and other materials. It was suggested that she make a visit to her dentist who will supply a turner with enough tool material for a long time.

## BUSINESS MEETING

President BRYCE HILL called the business meeting to order at 10:15. 20 members were present. Lowell Boyum was introduced as a guest. The reading of the previous meeting was suspended.

PAGE TWO



Five members have renewed their memberships at this meeting making it 26 Paid Up. The Membership Chairman told of sending out 15 letters to out of town members with SASE and has received only 1 returned as of Nov. 9th

The nominating committee presented us with a slate of candidates, they are -

WELDEE BAETSCH for President

RALPH FELAND for Member at Large

LEONARD LARSHUS for Librarian

No candidate was found for the Vice President.

Bryce told us that on Monday Nov. 12th the E-Board will review the Polices of the Chapter and may change some of them. These polices should be reviewed every two years according to our By-Laws. You will be informed about any changes.

By a show of hands, those present wish the E-Board to proceed with plans for a "TURNERS TURN OUT NIGHT" for early Jan. 2002

The Bring Back was won this month by LENARD RESSLER. Art Tokach, last month winner, presented him with an inside out vase made from butternut.

LENARD then gave away his challenges from this month to 7 lucky winners.

Bryce reminded us that the next meeting will be here at the School and we will Highlight Holiday Projects during "Show & Share".

LEONARD LARSHUS will present a class on Basket Illusion at the Dec. 8th meeting.

Meeting adjourned at 10:45

After the meeting Duncan told us that in December he will begin to take on Single Turner Classes at his shop. Call him at 663-8737. Subject and/or type of turning to your needs.

## E-BOARD MEETING

Pres. Hill called the E-Board meeting at 7:05 PM with six members present. Don Pollock and Pat Schweitzer were absent.

The proposed Newsletter Budget was discussed. It was moved, seconded, discussed and passed to bring it to the membership at the Dec. 8th meeting. Basically it is for \$13 of your dues money and covers printing and postage for a monthly, 6 to 10 page Newsletter.

Art Tokach shared three pages of recommendations about Polices, which to keep and which to change. One suggested change is to eliminate the Vice Presidents position and go to a Pres. Elect / President / Past President. It is a modern, more efficient and useful method of leadership. Why have a position with very few duties?

During the discussion most members felt that the present Constitution and By-Laws has had several changes and policy adoptions since it was adopted 4 years ago. President Hill will chair a committee of three to review it and recommend changes that will be brought back to the membership very soon.

Kelly Geir, treasurer, presented a copy of his Check Book Registry and Pres. Hill will appoint an Auditing Committee to review it and report back at the Dec. 8th Meeting. The Editor, who has spent most of the money said that he has reviewed it and found it correct and up to date.

At the Dec. Meeting we will have two members who attended classes at the National Symposium present a look into their Notebooks. Leonard Larshus will talk about "Basket Illusion an Overview". And Bill White will tell us about "Production Turning for Sales".

Our "Show & Share" will highlight "Turned Holiday Projects". Bring your most recent works. They can be for any Holiday not just Christmas.

The Challenge for the Dec. 8th meeting will be to turn something and use a Plastic Tube in it's final form. We would like to see some creativity on this project. However, Weed Pots and Vases are OK. It would be nice if you make them one of a kind and unique.

Pres. Hill will check with the Bismarck Elks Club about getting Jan. 6, 2002 as our 'TURNERS TURN OUT NIGHT'. He should have the information at the Dec. 8th meeting about, Place: Date & Time: Food



Choices & Cost: We will need a number for table set-up so save time and check with your spouse before the meeting. There will be an exchange of Turned Gifts!

## FROM THE PREZ

Here we are finished with Thanksgiving and now moving toward Christmas. What a beautiful fall we have enjoyed and as I write this the Snowman is just now arriving. This will be my last message as your President. Believe it or not, two years have now gone by and come January we will have a new President. I wish I could express the thanks that go to so many of you for all of your assistance in the past. The Dakota Woodturners have made a lot of progress since the group was formed. We started with a handful and now our membership is at fifty. Our Treasury has steadily increased. The Bank balance is healthy. This growth is positive, but we cannot become complacent. There are a lot of things we can do better.

It's now time to think about the 2002 Symposium. Who do we want for instructors and when do we want to do it.

At the last E-Board Meeting, we decided to review our current By-Laws and policies and to update this document. Hopefully, we will be able to meet soon and have this completed before January 1, 2002

It has been my privilege to have served you for the past two years as the President. My thanks to you for your support and help. We have a wonderful group that will grow. I truly hope that each of you will give and support the incoming President. Our organization can only prosper and develop when we work together and the memberships participates in our activities.

Thank You and may you all have a Wonderful Christmas Season. BRYCE HILL, President

## LIBRARIAN NOTE

The prompt return of video's has generally been pretty good, but occasionally there are some that are out longer than we would like. When video's are requested by members, I do not like to tell them they are not available. Video's should be returned one

month after they are checked out. If you cannot attend the next meeting following check out, try to get them returned to me some other way. My phone number is 255-4412.

We have many good video's, and are adding more all the time, so keep checking them out and returning them in a timely manner.

Leonard Larshus, Librarian

## A PEEK INTO LEONARD'S NOTEBOOK

Care of the tool rest is something that is easily overlooked as we get involved in turning. One thing we have been told to do is keep the tool rest smooth and free of nicks. Pull a flat file across the tool rest from end to end does a good job. This maybe referred to as draw filing. After it is filed smooth, coat the surface with wax. A paste wax will work. Your cutting tool should then glide smoothly across the tool rest and will result in smoother cuts on your wood. A non-turning but related note: Someone told me years ago to coat the surface of the table saw with paste wax. This works well and results in larger pieces of wood sliding smoothly across the saw. This works equally well on the joiner bed and I expect other wood working tools.

Some turners cut a donut the correct thickness to give proper tool rest height. This is slipped over the shaft of the tool rest and will automatically give the same tool rest height every time. We do need to keep in mind that as we are changing cutting tools, we usually have to change the tool rest height.

As you cut your sandpaper, cut it to a size so you can fold it twice. This gives you three layers of paper which keeps your fingers cooler. By changing the fold you can use all three surfaces of the folds.

When sanding go through the grits starting at 80 or 100 up through 400. The wood and your expertise in turning will determine what grit you should start with. Stop the lathe and hand rotate your work to inspect it as you go through the grits. I have gotten to the 320 or 400 grit, only to find some marks that can only be removed with a coarser grit. When this happens you need to start all over again. PAGE FOUR



You can use paste wax on the sand paper for the final finish, it will fill the wood as it sands.

**SAFETY ADVICE:** As we are forced to go from short sleeves to long sleeves and maybe jackets, be sure the sleeves cannot get caught in the rotating chuck or wood.

Leonard Larshus

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## GOOD - BAD - UGLY - PLUS

The Annual tool show at Acme Electric on Nov. 16, 17 & 18th has come and gone. The Dakota Woodturners were once again asked to Demonstrate Woodturning. We used a Jet Mini Lathe and Acme brought in a new Twenty inch over the bed "Powermatic" lathe to use. A lot of interest was shown by the public and a number signed up for the newsletter and information on our monthly meetings and demonstrations. We would have liked to have had more demonstrators from the club to do the demo's and to talk to the people who were watching. Pat Schweitzer, Leonard Ressler, Bill White, Weldee Baetsch, Art Tokach and myself did the Demos. Bryce and Art also helped by discussing the aspects of turning with the public. I did keep my chair handy as the ol' back was giving me some unwanted trouble. I had to leave early on Friday & Saturday to give it a rest.

In the near future we will have an article on how to Demonstrate. It will make it easier and safer for all of us.

The machines from the High School that were listed in the last Newsletter have been spoken for. Who gets the lathe will be decided at the December Meeting.

Be sure to bring some of your Christmas Ornaments and an other items you have made for family Gifts. All of us would like to see them - maybe we can get some new and fresh ideas.

KEEP THE CHIPS FLYING !!  
DUNC

*Most Smiles Begin With Another Smile*

## DONATED WOOD RECEIVED

We have been fortunate in the Dakota Woodturners to have former woodworkers and other lovers of wood, donate wood and other things for our distubution to our members at a reduced rate. Such was the case with the bowls from DALE ZIMMERMAN that we Silent Auctionedoff in October. Thanks Dale for the bowls, to us they are rare wood bowl blanks.

Recently I received several walnut, maple and birch boards from JIM SWANICK who purchased them years ago for a now forgotten project. Jim was a member in 1999 but because of a loss of hearing problem, Jim could not take part in our meetings the way he would have enjoyed. He didn't forget us and by donating the hardwood boards he hopes someone will get some good use from them. Thanks a lot Jim.

I have sawn and glued them together and then recut them at a 15° angle for Rolling Pin Blanks. Other uses with the remaining wood is planned as my time permits. If any other members have a similar plan to use some of this wood please let me know and we'll work out any details for the betterment of the Club.

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I MUST CONFESS - I'm the person who's guilty of tearing those extra cards and ad's from the magazines in my Doctors Office Waiting Rooms. They just bug me! I think they are placed to open the magazine to a certain page and I'm certain they choose that page to induce someone to buy their product or subscribe to what ever they are selling.

I don't know why some Ad Exec hasn't figured it out that the public dislikes them the same as they do Telemarketers who call at mealtime or those repeated and repeated TV commercials. My tearing these card board ads out are like hanging up the phone midway through their sales pitch, which also bugs me and I love to do it too!! And pushing the mute button gets tiresome also!

I'm not guilty of clipping recipes and favorite photos like some people have done in the same circumstances. So, the next time you see a Magazine with those Ads removed say Thank You, who ever you are?

Anonymous ( Guilty, Yes! - Stupid, No!) PAGE FIVE



## WOODTURNING EVENTS

Dec. 8, 2001-9 AM Regular Meeting at Mandan High  
Wood Shop.  
Holiday Ornaments &  
Woodturned Gifts  
More Sharing of Symposium  
Knowledge-Schweitzer & White  
Dec. Challenge: Use Plastic Tube  
in a Unique Turned Object

Jan. 5, 2002-6PM Annual 'Turners Turn Out Night  
6 -6:30 Cocktails, 6:30 Dinner  
7:30 Turned Gift Exchange

BRYCE HILL checked with the Elks. On Jan. 5, 2002  
We will be seated in the Dining Area as the Upper  
Level is filled. Meals choices will be Prime Rib  
@\$12.95- Sirloin @ \$11.75 - Cod @ \$11.95 -  
Chicken Kiev @ \$ 9.95 - Tax and Gratuity Extra  
Check with your Spouse and let us know on Dec. 8th

Jan. 12, 2002-9AM Regular Meeting at Mandan High  
Wood Shop

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## SCHEDULE OF SHARING SYMPOSIUM KNOWLEDGE

Dec. 8, '01 Designs in Turning, Pat Schweitzer  
Production Turning for Sales, B. White

Jan 12, '02 Turning a cube on a Bias,  
Caroline Haakenson  
Turning Platters, Weldee Baetsch

Feb. 9, '02 How to be a Demonstrator, D. Warren  
Edge Bowl Design, Bryce Hill

Mar. 9, '02 Off Center Turning, Weldee Baetsch  
Basket Illusioin Overview, L. Larshus

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## 2002 DUES ARE DUE

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