



North Carolina **WOODTURNER**

Journal of the North Carolina Woodturners Association
A Chapter of the American Association of Woodturners

Volume 15, Number 09

September 2005



by J. T. Barker

THE PRESIDENT'S MESSAGE

By David Kaylor

For those of us still trying to get the right finishes on our work, the August meeting was informative and challenging. Alan Hollar sure knows his stuff about finishing, and he shares his knowledge in clear and interesting ways. I for one plan to view the tape and take notes on the parts I want to incorporate in my own work. Thanks to Alan for an excellent presentation.

At our August chapter meeting we elected Barbara Ward and Bill Williams as Board members. Thanks to them for being willing to serve. They have already gone to work for all of us, as you will note below.

Thanks also to those who filled out the volunteer forms, offering to take on some important tasks for the club. For example, several signed up to help with set-up and take-down work. Jesse Wilkinson has spearheaded this task for several years, and I know he will appreciate the opportunity to train new help. While the return was less than 100%, I'm sure others will have

thought about where to make their contributions and bring their forms back to our September meeting. We'll be sure to have extra forms available in case anyone forgets to bring one back. I'm sure some think, "Well, I'll be glad to help if you ask me to do a specific job." That is the way we have usually worked, but we don't always get to know what skills and interests people have, so it helps to have everyone express preferences.

This Fall promises to be a busy one for us, as we have several important opportunities coming up. First of all, we have the October picnic scheduled for Camp Grimes. Jim Miles has done a tremendous amount of work organizing a very interesting program, with something that will appeal to every one of us. He and his helpers have planned a full and helpful program beginning at 2:00 and continuing through a dinner, with Jack Freeman serving as cook. Watch and listen for details, and make your plans to be there.

A second event in October will be the Klingspor Woodworking Extravaganza, scheduled for October 28-29. In conjunction with that annual event, we

will have the 2005 North Carolina Woodturning Show and Competition. Ron Mechling and Bill Williams will serve as our leaders for that show. There will be opportunities for our members to show and sell our pieces. In addition, the Carolina Mountain Woodturners will arrange for judging and awarding prizes. Watch for more details and plan to participate.

The third event you don't want to miss is the North Carolina Woodturning Symposium, November 5-6, co-sponsored by NCW, Woodturners Guild of North Carolina, and Piedmont Triad Woodturners. See the August newsletter for details, and register now to attend. Our key players in carrying this out include Ron Mechling, Jack Freeman, Glenn Mace, Edgar Ingram, Sam McDowell, Ric Erkes, Mary Bachand, Barbara Ward.

Many thanks to all who are volunteering to make these events significant to all of us.

I look forward to seeing all of you on September 10. Due to the hands-on tutoring from 10:00-12:00, the Board meeting will be at 12:00.

Program Notes

by Sam McDowell

The September meeting will be a combination hands on session in the morning from 10-12. The afternoon session will be several members showing different techniques of hollow turning 1-4.

The morning will be a great chance for anyone wanting some personal work with an instructor on specific operations such as; basic gouge handling, bowl basics, hollowing, green turning etc. This is your

meeting. so tell me what you want to see (simcd@adelphia.net). We will also need instructor volunteers. Also the afternoon session, if you have a favorite hollowing tool or method you would like to share, let me know. I hope to have 5-8 different tools shown.

NCW Calendar of Events

- October 8 - Camp Grimes Boy Scout camp.
- November 5-6 - Carolina Symposium.
- December - Holiday Festival.

2005 Challenge Projects

- September - then and now! Bring in one of your early turnings, and one of your recent ones.
- October - wearables - something to wear.
- November - Symposium Gallery.
- December - birdhouse ornaments.

- * **2005 Carolina Symposium Registration Form** - pg 11
- * **2006 Membership Form** - pg 3
- * **NCW Committee Sign-Up Sheet** - pg 5

Next Meeting: September 10th at 10:00 am and 1:00 pm

Demonstrator: Hollowing Tool Demonstration

Demonstration: Morning Hands-On; Afternoon Demonstrations



Meet at Klingspor's in Hickory, 856
21st Street Dr. SE (828-326-9663)



David Kaylor



Gene Dampier



David Kaylor



Gene Dampier

Want to learn something new about woodturning?

If you are interested in learning new skills, or improving the skills you have, contact one of these NCW members:

- * Dean Amos (Sandy Ridge, NC) 336-871-2916.
- * Gene Dampier (Banner Elk, NC) 828-898-6143.
- * Edgar Ingram (Statesville, NC) 704-876-4576.
- * David Kaylor (Davidson, NC) 704-892-8554.
- * Glenn Mace (Mocksville, NC) 336-751-1001.
- * Sam McDowell (Statesville, NC) 704-871-9801.
- * Grant McRorie (Rutherfordton, NC) 828-288-9572.
- * Ron Mechling (Shelby, NC) 704-487-0506.
- * Jim Miles (Cornelius, NC) 704-661-0600.
- * Dick Nielson (Gastonia, NC) 704-864-1742.
- * Don Olsen (Lincolnton, NC) 704 735-9335.

... or see what's offered at one of these Woodturning Schools

Arrowmont School of Arts and Crafts,
Gatlinburg, TN
865-436-5860
(www.arrowmont.org)

Ice House Center, Davidson, NC
(704) 892-7323
(www.icehousecenter.org)

John C. Campbell Folk School,
Brasstown, NC
1-800-FOLK SCH
(www.folkschool.com)

If you want to volunteer as a mentor, please contact John Uteck with your information to include in the newsletter.

**North Carolina Woodturners Association
2006 Membership Application**

Name _____
 Date _____
 Address _____

 City _____
 State _____ Zip _____
 Home Phone _____
 Work Phone _____
 Email Address _____

Do you want to receive email notices? Y / N
 Where did you learn of the NCW?

Mail with check made payable to
 NC Woodturners to:

North Carolina Woodturners Association
 Mary Bachand, Secretary
 296 Laurel Park Place
 Hendersonville, NC 28791

MEMBERSHIP DUES

Annual membership dues are \$35.00; after April 1st, \$30.00; after July 1st, \$25.00; after October 1st, \$40.00, which includes the following year.

Members are encouraged to join the American Association of Woodturners. AAW membership includes a subscription to American Woodturner, a quarterly publication filled with quality information about woodturning.

OFFICE USE ONLY

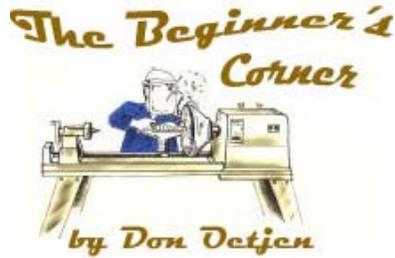
Date received: _____ Check #: _____

Received by: _____



**NCW Logo
Clothing**

910-582-0051
 www.vectorshirts.com



On each meeting day many of you head directly for the bargain sandpaper box but do you really know what you should be looking for? This month's article will deal with sandpaper and which grades and grits are generally best for wood turners. The "how to" article will be left to another month. Some of the information comes from a Tony Bradley presentation he made in July 1999. I have also had help from the folks at Klingspor.

First lets talk about what kinds of paper are available. Garnet has been used for the last 150 years in woodworking and was the most popular choice for hand sanding. While it stays sharp during use, it lacks durability and wears out quickly. Flint has been used for centuries but the grains have relatively dull edges and also lack durability. Silicon carbide (charcoal color for dry or wet use and gray for dry use only) has grain that is sharp and pointed. While the edges snag and break off on wood fibers, they stay sharp during the life of the paper thereby reducing heat. The sanded particles load the paper grain quickly making silicon carbide best for sanding finishes rather than wood.

Finally there is Aluminum Oxide. The grain is red, white, gold or yellow and its shape is more rounded than other papers but they are robust and thus the paper has greater durability. Aluminum oxide sandpaper is the preferred choice for wood workers including wood turners.

When selecting sandpaper I suggest you avoid any sheet stock except the J-Flex stock. The word is printed on the back and the grit is yellow in color. The advantage of the J-Flex paper (it's actually cloth backed) is that it can be folded for hand sanding without

cracking and it will conform to the profile of the work. The grit on all papers is designated with the prefix P as in P120 for 120 grit.

The other alternative is X-Flex also cloth backed whose grit is usually a reddish color. It is sometimes designated YX. When folded it might crack and is so stiff it won't conform to the profile of the turning when hand sanding. Its edges are very firm and can easily cut a groove in the work if accidentally presented the wrong way while sanding with the work turning..

Many of us power sand with Velcro backed discs. Here too there is a preference. Look for ones marked PS 33, which are flexible and have a semi open coat. This means it doesn't load with sanding particles as quickly as others. The grit is nearly a white color, sometimes shading toward gray or cream. I suggest you avoid the discs marked PS 23 especially in the coarser grits. The grit is a reddish color, has a stiff backing as with the X-Flex paper. There is a significant risk of cutting a groove into the work with a moments inattention. To confuse things further, in the higher grits PS 23 has a whitish or cream color and is actually quite flexible much like the PS 33 discs.

There is also available a gold color disc in the PS 33 flex which has been impregnated with a Zinc Stearate lubricant. These discs are especially good when sanding a turning that has had sanding sealer applied but are good for all general sanding. They don't clog up with resins or dust as badly as untreated discs. These come only in 3" size.

So the next time you sort through the bargain box or buy some Velcro discs pay close attention to the markings. Remember yellow, gold or white is good and red should generally be avoided.

Next month the Beginners Corner will have a guest columnist, Don Olsen. I hope to have other guests in the future so this column doesn't become just one man's opinion.

Each month Don will have tips, techniques and suggestions which will be of most interest to those members who are in the early stage of their turning career. If any member has a question or subject they would like to see covered send an e-mail to Don at donoetjen@aol.com.

Membership - by Mary Bachand

Our club continues to grow. Please welcome these new members: Jane Heavner of Sherrils Ford, Douglas Johnson of Lenoir, and Mike Keziah of Hickory. Also, we are happy to have returning member Shirley Kanipe of Newton. James Livingston received 5 free raffle tickets for bring Douglas.

Library News - by Mary Bachand

This is the biggest rental special that I've ever run. Any DVD, video, or book that is checked out in September is due back on January 14, 2006! Our October meeting will be our picnic at Camp Grimes. The symposium will be the first weekend in November and there will not be a meeting on the second weekend. Our December meeting will be our Christmas get-together. So 1-14-06 is the due date. Please take advantage and check out as much as you want for the price of a one month rental.

Holiday Fruit Cakes

Mary is taking orders now for fruit cakes to be delivered at the December meeting. The fruit cakes are made with dates, cherries, candied pineapple, pecans, and "just a touch" of Myers dark rum. The small loaf size is \$10 and the large loaf size is \$25. Please let Mary know by note, e-mail, phone call, or in person if you want any so that she will have enough this year. Orders will be taken through the October meeting.

Mary Bachand
296 Laurel Park Place
Hendersonville, NC 28791
(828) 696-8372
Email: kbachand@juno.com

1. Club Program Committee

a. Monthly club meeting program.

- i. Demonstrations
 - researching candidates
 - scheduling demonstrators
 - hosting demonstrators
 - overnight accommodations
 - lunch
 - greeting and helping setup
 - providing requested equipment needs
 - arranging for payment
 - demonstrator review writeup for newsletter
 - follow up
 - thank you
 - send copy of review in Newsletter

b. Special Events

- i. Christmas Party
- ii. Picnic
 - plan
 - secure place
 - arrange caterer
 - conduct auction
 - plan entertainment
 - register guests/members
 - name tags
 - cleanup

2 Education/Outreach

a. New member committee

- welcome committee
- greet arrivals
- introduce new members, visitors

b. "Public" presentations, programs

3. Facilities/equipment

a. Setup meetings equipment & facilities

- lathe equipment
- chairs and tables
- refreshments/coffee
- name tags
- registration/new members
- audio-video
- equipment
- operation during meeting

b. Cleanup

- store all equipment in designated places
- sweep and otherwise cleanup
- remove trash to outside bins

4. Communications / PR

a. Newsletter

- i. Development
 - edit and compose
 - transportation to printer
- ii. Mailing – address envelopes, stamps, mailing

b. Secretarial

- keeping/distributing and preserving minutes of Board meetings
- maintain club roster
- liaison with AAW

c. Photos

- Setup and take down photo booth
- take pictures
- develop and/or deliver film/pictures to Journal editor
- deliver pictures to next meeting
- collector left-over pictures and bring to next meeting

d. Internet/Website

- update with current NCW and AAW news/schedules
- update with current newsletter
- respond to internet/email requests

5. Finance

a. Treasurer

- receive and disburse funds
- manage bank account(s)
- provide monthly statements to Board

b. Foundation

- establish a mission statement
- develop strategies to grow the foundations funds
- recommend what programs to support.

6. Shows

a. Symposium

- coordinate with co-sponsors
- select demonstrators
- secure facility location
- secure vendors
- publicity
- arrange lodging options
- provide equipment
- provide wood
- provide assistants for demonstrators
- take down/cleanup
- coordinate finances with other clubs

b. Klingspor's Extravaganza

- coordinate with co-sponsors
- arrange gallery space
- receive and register entries
- handle advance registrations/entries
- secure judges
- oversee gallery and sales

7. Library

- maintain collections of books, videos, DVDs, etc.
- keep records of items checked out and returned
- keep collections up to date by new additions
- setup/take down library for each meeting

8. President's Functions

- preside at Board meetings
- preside at chapter meetings
- prepare agenda
- coordinate activities with other clubs
- coordinate all club activities

9. Governing functions (Board)

- conduct business of NCW
- Nominate Board members
- Appoint officers

Demonstrator Review

by Don Haydock

Alan Hollar August 13, 2005



It was a real treat to have Alan Hollar as our demonstrator for the month of August who spoke on the subjects of: Finishing, Power Carving, and Texturing. His demonstration was filled with detailed information about sanding and finishing techniques as well as how to embellish plain woods with a broad array of carving and texturing techniques. With his unpretentious, easy-going manner, he kept everyone's attention as he spoke and as he answered all our questions.

Sanding

The morning session was devoted almost entirely to sanding and finishing wood. To some of the more "seasoned" turners among us, this information may have seemed "self evident", but to some of the newer ones (like me), it made a lot of sense, filling some "holes" in my own understanding. For example, he mentioned that all good finishes start with good sanding, which makes sense, but he continued this thought by showing what "good sanding" actually means:

- * Beginning with the sanding grit that will actually remove your tool marks.

- * Keeping heat to a minimum because it can cause wood checking and also damage your sanding equipment (reduce the heat by either slowing the lathe speed or sanding disk speed).

- * Following the sanding grit cycle below – never skipping more than one grit size: 36, 50, 60, 80, 100, 120, 150, 180, 220, 240, 280, 320, 400

- * Using a single point of light at a low angle to the wood to help illuminate any remaining surface scratches – for a professional look, it is important to remove all scratches before applying a finish.

- * Remember to sand, and not polish with sandpaper. If the wood shines after sanding, you're polishing. Slow the sanding process down to keep from polishing, and to keep from loading the sandpaper.

- * If you want a glossy finish, the surface must first be perfect, with no scratches, voids, inclusions or tool marks. He acknowledged that glossy/shiny finishes sell well, so you might consider that for some of your future pieces.

Finishing

The finish you should use depends on whether the piece being finished is functional or decorative. Film finishes like lacquer, varnish and shellac provide good hard finishes, but might not be your best choice for a salad bowl because when the finish is damaged, it is difficult to repair. Since a salad bowl is a functional piece, repairs could be frequent. Oils, such as walnut, safflower, and almond oil make a better finish for a salad bowl because they don't dry, and are easy to repair. Danish oil makes a good finish for salad bowls also. Along with any oil finish you purchase, he suggested buying another product called "Bloxygen". This is an aerosol can of compressed inert gasses, which, when sprayed into a partially used can of finishing oil, displaces the oxygen in the container, thereby extending the shelf life of the oil by 4 – 5 times.

One of Alan's favorite finishes (he called it "the simplest") is: two coats of Danish oil rubbed on, then buffed with #0000 steel wool and wax. The wax is not a finish, but more a surface treatment which is soft, but which also

provides a little shine.

To preserve the original colors of your wood, use film finishes, like lacquers. He suggested C.A.B. lacquers. (C.A.B. means: Cellulose, Amine, Butyrate) Mohawk "Final Finish" C.A.B. lacquer is one of his favorites, but he said Krylon Krystal Clear is also good because it won't yellow.

Oils sink into the wood fibers, wetting the wood, and therefore, naturally change its color. He recommended using walnut oil, safflower oil or almond oil for your oil finishes. One oil product he specifically named NOT to use was mineral oil. He said it is a lubricant and a laxative, and that it NEVER dries! Oil finishes are soft finishes, and provide little protection for the wood, but are easy to repair when damaged.

Non-woven abrasive pads (Scotchbrite) can be used instead of #0000 steel wool, but he recommends the steel wool, as it gives a smoother, finer finish. Scotchbrite is available in a variety of "grits", ranging from white (finest) to gray, to purple, and then green, which is the coarsest.

Varnish, lacquer and polyurethane build up on the surface and provide a fine finish, they are easy to use, easy to procure, and they provide predictable results, which is good for a production shop. In addition, in aerosol form, (18 – 22% solvent) they are not sensitive to temperature and humidity variations. Being derived from aromatic hydrocarbons like toluene and xylene, they are somewhat hazardous to use, as they are extremely flammable, and breathing the vapors for extended periods of time can cause



one to become drunk/high. He suggested always using “cross ventilation” when spraying – with air movement coming from behind you, across the work piece, and then outside.

When spraying, use a 50% overlapping technique for each pass, being about 10” away from the work piece. Don’t try to apply it too heavily – it is much easier to apply 3–4 thin coats than it is to apply one heavy one and then to repair/eliminate all the runs and other sagging defects. In those cases where you can’t spray, use one or two coats of oil and a couple of coats of wax. Alan suggested a product named: Arborwax, which is almost like Renaissance Wax. He demonstrated it on a piece of wood which was half unfinished and half oiled. He used #0000 steel wool and rubbed the Arborwax on one side, buffed it lightly with a paper towel, and it finished out with a satiny shine than anyone would be very happy with. I was impressed! Brix Wax was also mentioned as a suitable substitute.

Also discussed was sanding sealer, which is a mixture of lacquer and zinc stearate. It makes the wood easier to sand, but is usually not necessary. It typically comes off oily woods like cedar and cocobolo, and darkens them if it has a tung oil base. If sanding sealer is used, it must be top coated with some final treatment anyway, so its use really isn’t necessary.

He cautioned not to believe all the labels on the finishing products available. They are usually inaccurate or they have a proprietary mix of ingredients that they will not divulge anyway, so suggested sticking with products you already know and trust.

The best outdoor finishes are good ole opaque paint! Some of it can last for a few years on a piece of wood, but any clear finish applied to wood in an outdoor environment will always break down, requiring frequent re-finishing. Three coats of marine finish or Spar varnish applied yearly will do well, but

it is a lot of work to keep wood looking good.

Never turn pressure treated wood due to the toxic chemicals used to treat it, and the usually “ratty” wood used.

Alan said that he has begun to use a new Hi-Tech finish that has a Lo-Tech application, called Petrie Gel Polyurethane. He suggested that to get the best finish, you should work small sections of the vessel at a time. It provides an Ultra-Violet absorbing finish.

A good tip mentioned was using Nitrile Gloves (blue colored) when applying finishes because they are almost impermeable, and superglues won’t stick to them. Always get your safety supplies from a pharmacy or hospital, as the standards used to manufacture them are much higher than those used for discount house products. You need something reliable to protect your health.

Afternoon Session

This began with Alan’s discussion of making legs on bowls and vessels. Carving was better, faster and easier than offset turning them. It takes 3–4 times longer to make the legs than it does to turn the bowl or vessel. He provided many good technical considerations for making legs aesthetically pleasing so that they blend in with the shape of the vessel. On wet wood, you should turn the vessel, rough out the legs, and find the bottom (this is very important!). Place it in a brown paper bag for one to two days to let it dry slowly.

Power Carving

Alan uses an Arbortek right-angle grinder with two Lancelot chain-saw-like grinding wheels to rough out the legs on his vessels. The Lancelot grinders are much faster to use, and Alan completes about 90% of his roughing out with it.

He also uses another right angle grinder with a smaller circular blade (I didn’t catch its name) that produces a

smoother cut. Both of these grinders can be used to carve and texture wood.

Pyrography

Wood burners can be used to add color to the wood as well as texturing, depending on the tip and the strokes used. He demonstrated his burners and two tips, but didn’t spend a lot of time on this. He did provide a useful reminder: keep the tip moving, because any hesitation will result in a big displeasing burn spot.

He said he pays attention to the last 5% of the work on a project, rather than the first 95% of removing the “mulch”. What he means here is that he spends most of his time and effort on the last 5% of a project – the final details, rather than the roughing out stages – which makes good sense.

He demonstrated an electric carving tool with several bits that he uses to provide various shaped textures and details to his vessels.

Foredom Flexible Shaft Carving Tool

Finally, after turning a bowl, he marked out the location of some feet on the bottom, and used the right-angled grinding tools to rough these out. He showed us a router-looking bit that he fit into a Foredom Flex Shaft Tool that he uses to fine-shape foot geometry. These tools are very good for removing all large marks, but he cautioned that you shouldn’t apply too much force on them during use, as they can become unstable. Use a light stroke to remove wood until the surface is smooth and level.

Legs on plates and platters should remain short to preclude breaking them off during sanding/finishing. Obviously grain direction is a major factor to consider when creating legs on vessels.

This was an information-packed meeting that I am glad I didn’t miss – definitely worth the two-hour drive to get here.



The 2005 North Carolina Woodturning Show and Competition will be held in conjunction with **Klingspor's Woodworking Shop 5th Annual Extravaganza**, October 28 & 29. This year the woodturning efforts will be bigger than ever. It will be dividing into 3 parts, Competition & Sales, Education, and Tops for Tots. We would like for you and chapter to get involved to make this a big event for woodturning in the Carolinas. As you read on you will see that this is a work in progress. We are trying to keep it simple so that the volunteer energy required can be spread over a larger number of people. Your input is appreciated as long as it does not require more work for the organizing group.

The Competition and Sale:

Each Chapter that would like to participate will be responsible for all aspects of putting together and manning a "craft fair" type display of the works of their members for show and/or sale. All aspects include: bringing the turnings, the display, set up, tear down, handling sales including sales taxes, etc. All turnings on display will be included in competition. We will be establishing Divisions based on turning skill level and ask that the turnings be grouped so that judging can be simplified. Winning turnings may be displayed in "the winners circle." Prizes and ribbons, TBD, will be awarded. A full set of rules will be available in late August. No demos will be allowed in the display area! If you have a small chapter that will have a hard time supporting this type effort, contact other chapters and combine your energy. Space is not a problem, but we must know which chapters will be participating by August 15th. Your chapter may use this event as a fundraiser, i.e. you may charge each member an entry fee and/or take

percentage of sales. Note: as this is new to this event, we don't know what to expect in the sales area! Coleman Foreshee with Klingspor says, "We plan on advertising this to a broader audience this year as we know that to make our show more attended and successful, we need to help you sell your products. Keep in mind that the Christmas Ornament Trees that we have purchased from Hospice in Asheville the two past years will be on display and I suggest all turners that make ornaments to sell."

Education:

Hands On: Carolina Mountain Woodturners has a mobile lab with 10 mini lathes and all the accessories. We are planning to set up a "hands on" area with these minis. This area will be used to put tools into the general public's hands and let them feel woodturning! We will set up specific class with sign up sheets etc. All clubs will have access to this area. Lots of volunteers will be needed to assist.

These volunteers must be members of the AAW for insurance purposes.

Demonstrations: One area will be set

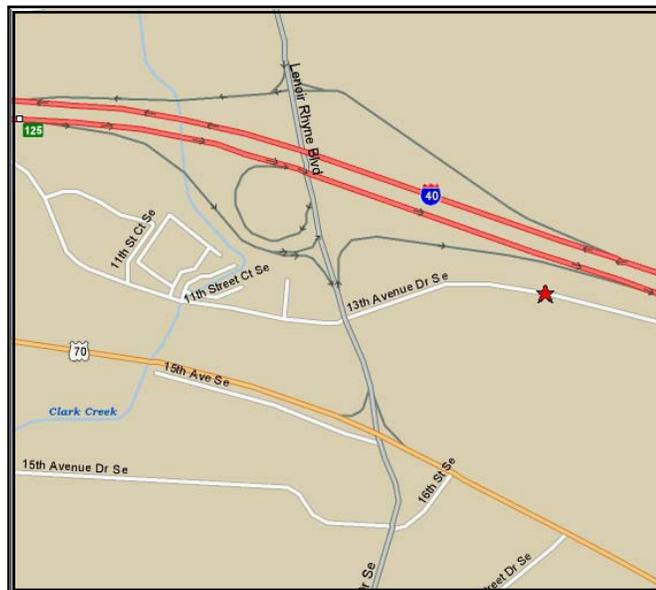
up for scheduled demonstrations. This will include a speaker system, video, seating, etc. Please submit suggested names of demonstrator ASAP. These suggested demonstrators may be members of your chapter, or anyone in the world that can do a good job turning wood and attract turners to the show.

Sharpening: Always a draw among woodturners is sharpening. We will set an area just for sharpening and invite people to bring in their gouges and learn how to sharpen using the wolverine system.

Tops for Tots:

We are asking turners to make and bring to the show spinning tops that will be donated to children at local hospitals, rehab groups, children's home, etc. We plan to have a friendly competition between Chapters to see which one can bring in the most tops per member. Hopefully this will give every chapter an equal chance to win the lathe. The prize again this year will be a Delta Midi Lathe. No CD tops please.

Please contact Ron Mechling or Bill Williams (see membership directory for contact info) with questions, comments, and desire to participate.



Hickory Metro Convention Center, 1960 13th Ave. Dr. SE, Hickory, NC
828-324-8600

<http://www.hickoryconventions.com/Directions.htm>

AUGUST GALLERY - Photos by Monk Bridges



Roy Oxentine



Roy Oxentine



David Fisher



David Fisher



Don Olsen



Max Schronce



John Melius



Don Haydock

AUGUST GALLERY - Photos by Monk Bridges



Ron Mechling



Ron Mechling



Gene Dampier



Edgar Ingram



Don Haydock



Edgar Ingram



Jim Miles



Jim Miles

2005 Carolina Woodturning Symposium Registration Form

To pre-register, fill out the form below, and send it along with a check (made out to "2005 Carolina Woodturning Symposium") to the registrar at the address below. The cutoff date for pre-registration is October 27, 2005.

Name: _____
 Spouse: _____
 Address: _____
 Phone: _____
 Email: _____

Registrar:
 Mary Bachand, 296 Laurel Park Place,
 Hendersonville, NC 28791
 Phone: 828-696-8372, Email: kbachand@juno.com

Cost:		
Both Days:	\$60.00	\$ _____
Saturday only:	\$30.00	\$ _____
Sunday only:	\$35.00	\$ _____
Spouse attending demo:	\$30.00	\$ _____
Sunday lunch:	\$7.00	\$ _____
TOTAL		\$ _____

Registration is \$65.00 at the door.



Everett Tucker



NORTH CAROLINA WOODTURNER Journal of the North Carolina Woodturners Association

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groups.yahoo.com/group/ncw



**November 5th and 6th, 2005
Statesville, North Carolina**

SYMPOSIUM HOTELS

Sleep Inn
704-878-2400

Holiday Inn Express
704-872-4101

Holiday Inn
704-878-9691

Quality Inn
(formerly Hampton Inn)
704-878-2721

Comfort Inn
704-873-2044

**SYMPOSIUM
DEMONSTRATIONS**

Matthew Birchfield - Lamp Shades, Thin Turning.

Jim Mcphail - Layered/Stacked Small Scale Turning.

Charles Nall, Jr. - Pyrography.

Sam McDowell - Basic Bowl.

Darren Gozy - Gilded & Dyed Egg Box.

Greg Wilson - Pens.

Don Olsen - Crotch Turning.

Mark Kauder - Segmented Turning.

Joe Ruminski - Hollow Forms.

Alan Leland & Myron Curtis - Architectural vs. Fine Detail Spindle; turning the spindle version of Mike Mahoney and Stuart Batty's dueling bowl turners.

AUGUST GALLERY - Photos by Monk Bridges



John Melius



John Melius



Jerry Ostrander

Remember, our meetings are always at 1:00 on the second Saturday of the month at Klingspor's Woodworking Shop in Hickory unless otherwise noted in the Journal.

NEXT MEETING: September 10th at 10:00 am & 1:00 pm