



North Carolina **WOODTURNER**

Volume 13, Number 2

February 2003



By Glen Mace

THE PRESIDENT'S MESSAGE

By Ron Mechling

First and foremost, I'd like to thank you for the confidence you have placed in me as your president. I will do my very best to ensure the viability, growth and success of our club. As stated in our by-laws, we will endeavor "to promote an interest in woodturning ... to provide information, education, and hands-on experience for all members, to encourage creativity and to explore new methods and techniques for advancing woodturning as a creative craft and as a unique art form; and to encourage membership in, and give support to, the American Association of Woodturners."

To the latter point of "membership", let me remind you to **send in your dues**, whether it is for our chapter or for the national association.

John Winslett, as President for the past two years, has provided great leadership for our chapter. He has left us in good financial shape, and led the chapter in accomplishing our goals throughout his tenure. Please join me in thanking John.

The **2003 Carolina Woodturning Symposium**, sponsored by our chapter and the Triangle chapter, will take place in Statesville, N.C. on the weekend of November 1st and 2nd. Edgar Ingram has accepted to represent us in this endeavor. If you have a desire to serve in any specific capacity, let Edgar or me know soon as we in the planning stages now.

The annual **woodturning scholarship** to the John C. Campbell Folk School has been announced. At our next meeting (February), we will have a drawing to select the recipient of the full tuition (50% from J.C. Campbell and 50% from our chapter). The recipient will be responsible for room, board and travel. There are two requirements: First you have to submit your name for the drawing to Mary at the next meeting and if you are the winner, the chapter will present you with the check upon receiving an article for our Journal about your experience at the school.

We are grateful to Klingspor Woodworking Shop for providing us with space and continuous support. This year our chapter **member discount will be 10%** throughout the year and during our meetings, ... another good reason to get your dues in soon.

Our next meeting, Feb. 8th, will feature Joel Hunnicutt on segmented turning at 1:00 pm with the Board meeting promptly at 11:00. Ric Erkes, our Vice President will preside, as I will be at the IWCS meeting and Woodfest in Florida.

Ron

Member News - by Mary Bachand

Our January meeting was a great day for adding to our membership! In fact, since I have been secretary, I don't remember such a day. Welcome to each and every new member and I do hope that our association will provide you with new friendships and many valuable turning lessons. Our new members are Anthony, Jennifer, John, and Josh Bryan of Todd, NC. Yes, the whole family joined! David Cox of Maiden, NC; Jim Falowski of Claremont, NC; Joe Jones of Conover, NC; Don Lambert of Spruce Pine, NC; Gil Millsaps of Huntersville, NC; Bob Muir of Greensboro, NC (Welcome back!); Jim Smith of Concord, NC; and Bill Williams of Statesville, NC.

I am pleased that so many members remembered to renew. Just remember that I don't have change for \$100 bills. Some of you try to confuse my fourth grade mind! Just for the record, I will take the membership box home after the February meeting and will remove the name tags for those who have not renewed. THEN - I will put new numbers of the back of the remaining name tags and put them in alphabetical order (the teacher in me #?!). Next, I will cross my fingers for a snow storm so that I can get the directory into the computer and then to the printer so they can be distributed at the March meeting.

A special note to those of you who joined in January-there was not a space on the gold form for "name of spouse". If you would like that added to your directory listing (and most of us do), please e-mail that info to me at kbachand@juno.com, or tell me at the February meeting, or mail the info to me at the 873 South Rugby Rd. Hendersonville, NC 28791. Thanks a bunch!

Library News - by Mary Bachand

I have ordered three new items for our library. The first is a book by Fred Holder entitled Segmented Woodturning. We have the new video by Tobias Kaye titled Turning Wood for the Love of It. Now I have ordered the two companion videos, Spindle Turning for the Adventurous and Bowl Turning From Basic to Master. That will give us all three videos by Tobias Kaye which are listed as "new" in the catalog. The following members have rentals that were due at our January meeting: Steve Wright, Terry Park, Bill Pitt, Michael Ehlen, and Charles Scheil. Please bring these to our February meeting or mail them to me.

2003 Carolina Woodturning Symposium

The *2003 Carolina Woodturning Symposium* will be held at the Statesville Civic Center on November 1st & 2nd. Mark your calendar, and watch for details in upcoming newsletters.

NEXT MEETING: FEBRUARY 8th at 1:00 pm

Coming Events - by Ric Erkes

Feb. 8 - Joel Hunnicutt will be our demonstrator, meeting from 1-4. Joel is currently President of the Piedmont Triad Woodturners. He will be covering a segment of woodturning that will meet your need for a challenge, that is segmented woodturning. He'll discuss how to design, layout, cut, construct and then turn both an open and closed segmented vessel.



Mar. 8 - Joe Nelson - hollow vessel with spiral ridges.
Apr. 12 - Tom Crabb - multi-axis vessel.
May 10 - Mark St. Leger - small items.
Aug. 9 - Chris Ramsey - a wearable hat.
Sept. 13 - Phil Brennon - southwestern style instructions.
Nov. 1st & 2nd - mini-symposium.
Dec. 13 - Christmas party.
Jun. 14; Jul. 12; Oct. 11 - Open.

2003 Challenge Projects

February - Eccentric or multi-axis turning.
March - Miniature turnings - max dimension = 2".
April - Turned nuts - either turn a nut out of wood, or turn a nut into something.
May - Fly house.
June - Croquet ball and mallet.
July - Squared or cubed turnings
August - Something whimsical.
September - Mushrooms.
October - Whistles.
November - Bring your gallery pieces to the Symposium.
December - Bring your gallery pieces to the annual Christmas party and auction.

Gallery Photographs

Don't forget to take the printed photographs of your gallery pieces for your own albums, with our compliments.

Classifieds

Send in your sale or want ads for the newsletter classifieds.

NCW Logo Clothing

NCW clothing is now available. Samples of various sizes of the golf shirts and henley t-shirts will be available at the meetings. Orders can be placed at the meetings, for delivery of the ordered items during the next meeting.

To see samples of available clothing and colors, or place an order directly from Vector Shirts, check out their website at www.vectorshirts.com, or call Kim Lindsey at (704) 844-6907.

Mentor Program

If you are interested in learning new skills, or improving the skills you have, contact one of the following turners for mentoring: If you are interested in being a mentor, please let John Uteck know to include your contact information in the Journal.

- John Winslett (Tryon, NC) - 828-859-9863.
- Dean Amos (Sandy Ridge, NC) - 336-871-2916.
- David Propst (Valdese, NC) - 828-437-4722.
- Ric Erkes (Davidson, NC) - 704-896-3302.
- Scott Ollis (Hickory, NC) - 828-294-4423.
- David Kaylor (Davidson, NC) - 704-892-8554.
- Sam McDowell (Statesville, NC) - (704) 871-9801.
- Edgar Ingram (Statesville, NC) - 704-876-4576.
- Glenn Mace (Mocksville, NC) - 336-751-1001.
- Dick Nielson (Gastonia, NC) - 704-864-1742.
- Grant McRorie (Rutherfordton, NC) - 828-288-9572.
- Don Olsen (Lincolnton, NC) - 704 735-9335.
- Ron Mechling (Todd, NC) - (336) 385-1250.

Demonstrator Review - by Ric Erkes

Scott Ollis and "A Square Peg in a Round Hole".



Scott Ollis showed off his fine tool work to a full house as he demonstrated how to turn a Square Bowl. Scott began his demo with a discussion on the problems associated with turning a square piece of wood. He suggested using a tight grained, preferably kiln dried piece of wood to minimize the possibility of a corner breaking off. He emphasized centering the bowl in the square piece requires precise chucking. It is impossible, or at least very dangerous, to sand the piece while the square corners are flying around the lathe. So sanding must be done by hand. There is also the inherent danger of a corner clipping a carelessly placed wrist or finger.

To solve several of these problems, Scott glues scrap wood to the four sides of his square piece of wood. Make sure the glue covers the entire surface so when the thickness is turned down there is still a solid glue joint. Choose pieces of scrap wood with the same turning properties as the square piece, so there is no change in cutting pressure moving across the two. After gluing up the piece, rough it out on a band saw and mount it with a screw chuck centered in the top of the bowl. Turn on the lathe and bring up the tailstock to mark the center of the bottom.

Scott prefers to use a bowl gouge with a fingernail grind. Initially he lowers the tool handle, and from the center he pulls outward with a shearing cut. His first goal is to cut the flange back to establish the outside edge of the bowl. Design wise, the flange can protrude at any point on the bowl. It can be cut parallel, or tapered up or down. Scott thins the flange in steps to avoid creating too much flex in the outer corners. Cut the flange to the desired thickness, but remember the top half still needs to be cut.

Next, Scott cuts a cylinder for chucking the bottom of the bowl. Once the cylinder is cut, shape the contour of the bowl. This portion of the bowl can now be sanded. Scott uses an angle drill with hook and loop sandpaper. He re-

verses both the lathe and drill between sanding grits.

Once sanded, reverse and mount the bottom cylinder into the chuck jaws. Establish the final thickness of the flange from the top side. To check thickness, run the calipers from corner to corner of the square piece, since that is the edge that will be exposed. Cut the width of the flange so that the outside diameter, at the top of the bowl, flows with the bottom portion of the bowl. Scott suggests sanding the flange at this time, since after coring out the bowl the flange might flex during sanding.

Core out the bowl as usual. Scott uses a Sorby shear scraper to finish out the bottom. Avoid coming up the sides of the bowl with the scraper as the end grain might cause a dig in. Sand to finish.

Reverse bowl, centering tailstock on original mark. Slow the lathe down and make slow careful cuts to finish off the bottom. Scott usually applies sanding sealer and wax as a finish for these 'production' pieces. Scott also recommended *EEE - Ultra Shine* followed by *Shellawax* cream.

Now, you have a 'square bowl in a round peg'. On the band saw, cut off the scrap wood. Be careful to support the flange and cut just shy of the glue line. Then on a belt sander, sand down to the line.

Not only did Scott show some great techniques, but he gave numerous tips throughout his demo that are worth repeating so that they will sink in just a little further. Thanks Scott for stepping up to the lathe and making it look easy.



The hottest 'Scott's tips':

- Start the lathe, then bring up the tailstock to find it's own center.
- If you're not using it, remove the tailstock to avoid a poke in the elbow.
- There is no reason to spend time rounding the corners if by shaping the bowl they will get rounded anyway.
- As the cut becomes critical, stop the lathe often to check your progress.
- Shear scrape with the bottom edge of the gouge. The top edge is very close, but not touching the surface. Tool angle is about 45 degrees to the surface.
- Keep the tool rest close.
- Preset calipers to aid in cutting a cylinder the desired diameter for chucking.
- Cut a dovetail for the chucking cylinder. Leave a flat surface perpendicular to the chucking cylinder. Rest the top edge of the jaws on this surface since the jaws are trued and will provide a better fulcrum of support versus resting the cylinder in the bottom of the chuck. To
- mount a piece in the jaws of a chuck, push inward from the center of the piece to make sure it is seated properly. Tighten both sides of the chuck.
- Slow the lathe down for sanding. Heat can cause cracks to develop. The first sanding grit should get out all the tool marks and tear out. Follow on grits just remove scratch marks from the previous grits. Finish off sanding with a 'Scotch Brite' pad.
- Wax or soap a screw chuck for easier removal.
- CA glue doesn't set up as fast in the inner portion of a glue joint as it does towards the edges.
- Use a scraper in a 'trailing mode'. Hold the handle higher than the cutting edge. This helps prevent dig in.
- Put 400 grit sandpaper on a block of wood to pressure drive the piece during reverse turning. Leather can also be used. Glue the slick side to the wood.
- To rub a finish onto the piece, use a paper towel. It will tear while a cloth towel might wrap around the piece.
- A carving spoon can be used to make a mark to help chisel off the nub.

An Introduction to Proportion - by Tony Bradley (published in the North Carolina Woodturner, June 1993)

Modern man has long been fascinated with the role proportion plays in style and design. Through detailed studies of architectural examples, scholars have unraveled some interesting facts regarding proportion that can be applied to most visual crafts, including woodturning.

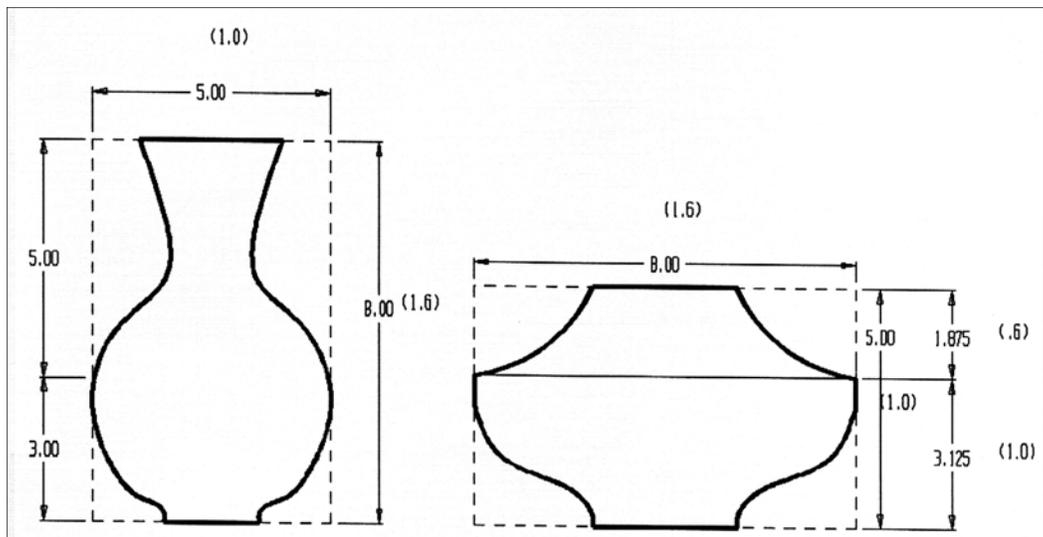
One very interesting phenomenon is the "golden rectangle", which is proportionally related to the "golden section" (straight line) and the "golden cuboid" (three-dimensional figure). It is prevalent in many of nature's forms, such as flowers, animals, and even humans.

Through the ages, Man has discovered that objects whose physical proportions have a ratio of five units to eight units seem to be more harmonious and visually pleasing; and in

critical studies, these objects are most often preferred above all others.

In addition to the visual harmonics, there is a mathematical intrigue associated with the 5:8 ratio of the "golden rectangle". The ratios between these two numbers approximate some remarkable reciprocal features. Five divided by 8 approximates 0.6 (0.625), and 8 divided by 5 plus 8 (13) also approximates 0.6 (0.615). Conversely, 8 divided by 5 is 1.6, and 13 divided by 8 approximates 1.6 (1.625). The latter two ratios are the same as the former ones with 1 (unity) added.

These illustrations show the basic harmonic proportions of the "golden rectangle", but there are many variations which evolve from this basic form.



JANUARY GALLERY

Photos by George Wunker



Elm

Jerry Ostrander



Oak

Jim Miles



Walnut

Edgar Ingram



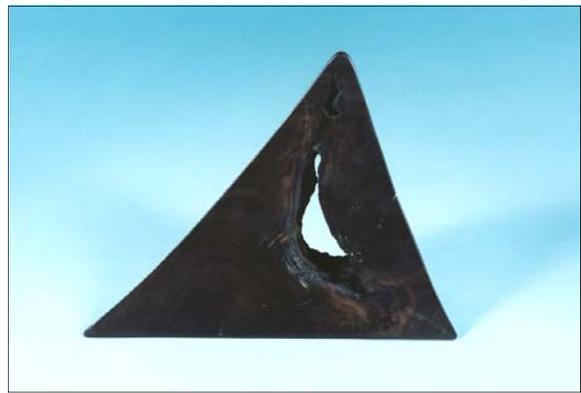
Dogwood

David Kaylor



White Oak

Ric Erkes



Walnut

Don Olsen

JANUARY GALLERY

Photos by George Wunker

Ambrosia Maple



Don Oetjen

Walnut



Don Olsen

Teak



Ron Mechling

Box Elder



Dean Amos



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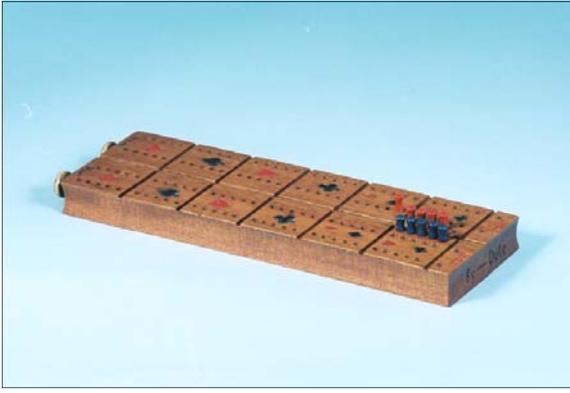
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JANUARY GALLERY

Photos by George Wunker

Mahogany



J.D. Reinhardt

Persimmon



Don Olsen / Don Oetjen

Walnut



Edgar Ingram

Cherry



Don Hildebran

Pecan w/ Leather



Ric Erkes

Hackberry



David Kaylor

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: February 8th at 1:00 pm