

Golden Triangle Woodturners Club - Denton Texas

THE WOODTURNER

June 2013

Issue No. 2-6

www.goldentrianglewoodturners.org

MEETING: 7:00 PM
FIRST MONDAY OF THE MONTH
Center for the Visual Arts
Bell and Hickory

TELEPHONE
(940) 387-7062



June 3rd Demonstration

Don Derry

Shape, Form and the Hollow Form

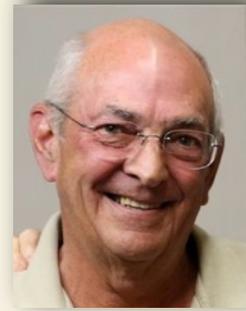


Donald will demonstrate design and shape so that it becomes natural for your future turnings. Don taught this class last week at Canyon Studios and it was such a success. After you have mastered the shapes that are common in woodturning, we can move on to use that knowledge to create a beautiful thin-walled hollow form.

Donald has been a woodworker for 35 years and has made everything from fine furniture and cabinetry to rock and roll guitars. In 1993 Don and his wife Kathy adopted a baby girl and made the decision for Donald to change his job status from cabinetmaker to full time stay at home dad. Fatherhood gave Donald time to reconsider his career and go into Woodturning. Donald states, "Turning appealed to me because it isn't dependent on the cutting, fitting and endless measuring that my cabinetmaking required." So in 1993 He began in earnest to teach himself the craft of Woodturning. His interest in color was initiated do to an observation which he made at an American Association of Woodturners symposium in '94. A highlight of the symposium was an instant gallery containing several hundred turnings by amateurs and professionals alike. When he viewed the gallery he asked one question. "What do I not see represented in this exhibition?" Donald noticed that vibrant color and optical quality finishing were two attributes being neglected by modern woodturners and he set out to exploit both to the highest standard of optical brilliance possible. So successful was his quest that his work is, more often than not, thought to be Fine Art Glass rather than finely crafted wood. Presently Donald is working in Chinese elm because the open grain structure and neutral wood tone lends well to the coloring process he is developing. The colors are pigments from an industrial paint supplier and aniline dyes. The pigments are hand rubbed into the unfinished wood, sanded to the appropriate contrast, blended with solvent and sometimes enhanced by air brushing. Each hollow form is then sprayed with 7 to 10 coats of water white lacquer followed by a 6 step and very intense hand polishing routine until the surface is optically perfect. To give a perspective on the whole process Donald states that, "Coloring, finishing and polishing easily takes more time than the woodturning."

President's Platter

JOHN BEASLEY



Last February, John and Laura Esterling had a large ash tree in their back yard cut down. They quite graciously had the crew bring logs to the curb so that club members could pick up the wood. John Solberg and I filled John's pickup with about a dozen logs in the 10 -12 inch diameter range which we stored in my back yard under a tarp. We brought a couple logs into the shop to see how the ash turned and looked. It was very good for both aspects.

This month we launched into a campaign to get the rest of the ash rough turned and put up for drying in the hope that this fall we would have a good stock for final turning. John suggested the project as a topic for the Presidents Platter as well as asking members to send pictures and a few words on their harvesting of our native trees. This will be a good way to get Don Hawkins teed-up for his demonstration in September on bringing a log to a finished bowl.

We started with 12 logs which we trimmed to length and cut in half through the pith with the chain saw. Usually the pith is cut out, however, since we were going to rough turn quickly we saved a chain saw cut. Next, we hauled the split logs into the shop and cut blanks on the bandsaw. Here, some of the 11 – 12 inch diameters came down in size when cracks, etc. were found and two did not make it at all. They became a dozen or so rectangles. When the bandsawing was complete we had 14 hours into the campaign, 20 bowl blanks and five 60 gallon garbage cans full of cut offs.



Continued on next page:

Presidents Platter

CONTINUED

Now came the fun part, rough turning the blanks. They were mounted on a screw chuck to turn the outside and cut a tenon, and then chucked on the tenon to do the inside. As with the bandsawing, not all blanks came out as desired. Overall sizes decreased as cracks and irregularities were cut out. Two became platter candidates and one is just “interesting”. (see pictures) The rough turning took 15 hours and yielded 20 pieces and 12 garbage bags of chips.



When you include picking up the logs at John Esterling's, it took a little over 30 hours to get the blanks on the shelf for drying.

I look forward to hearing others experience and seeing pictures of harvesting our local trees.

Up Coming Activities at GTW

Future Demonstrations

- July:** Neal Brand - Turning Boxes
August: Sam Slovak - Twisted Triangle with a few bumps along the way
September: Don Hawkins - Bowl from a log

Open Shop at Peter Tkacs' Shop

Saturday July 13th 9:00 to Noon

Come out and try your hand at turning a box as a follow-up to our July Demonstration by Neal Brand



Freedom Pen Turn-a-thon

Saturday, July 20 2013
WoodWorld Dallas
9:00 AM - 4:00 PM

149,595 have been shipped to our troops so far

SWAT August 23rd - 25th, Waco TX

Lead Demonstrators

- | | |
|------------------|-----------------|
| Jimmy Clewes | Don Derry |
| Ashley Harwood | J. Paul Fennell |
| Marilyn Campbell | Dixie Biggs |





Additional SWAT Information

It may not seem like it, but SWAT 2013 is coming faster than you think. It is only three months away. The dates this year are 23-25 August in Waco. If you haven't attended before, it is an excellent opportunity to see many outstanding demonstrators (including our own John Solberg). In addition, we will have many vendors who will be glad to make you a deal on anything to do with wood turning. Possibly the best thing you don't want to miss at SWAT is the instant gallery. There will be hundreds of items folks have turned and some of which you will look at and say "how did they do that"? Make sure you go to the web site: <http://swaturners.org> and look at the demonstrators and what they will be demonstrating and be sure to register at the same time. For more information contact Peter Tkacs.

2013 Regional demonstrators

- Jim Adkins:** Native American Baskets turned on the lathe. 2 Rotations
- Les Casteel:** Speed Techniques for segmented Turning. 2 Rotations
- Clinton "Buddy" Compton:** Square Winged Bowl with a Flair. 2 Rotations
- Paul Coppinger:** Art of finishing. 2 Rotations
- Delbert Dowdy:** Segmented Spatulas and Kitchen Utensils. 2 Rotations
- Stacy Hager:** The Golden Proportion / Turning Pleasing Shapes. 2 Rotations
- Bob Jarrett:** Baby Rattle, Toolmanship, & Sharpening. 1 Rotation
- Roger Jones:** Lidded Box Toothpick Holder: 2 Rotations
- Jim Keller:** Visualizing Form within the Log. 2 Rotations
- Janice Levi:** Pyrography 101. 1 Rotation
- John Lucas:** Hand Mirror. 2 Rotations
- Marion McDaniel:** Long Stemmed Natural Edge Flower. 1 Rotation
- Derek Powers:** Tree Identification. 2 Rotations
- Bill Rubenstein:** Vacuum Chucking. 1 Rotation
- Curtis Seebeck:** Stabilizing and Dyeing Wood Using Vacuum. 2 Rotations
- John Solberg:** Turning an Off Center Duck. 2 Rotations
- Alan Trout:** Applying CA Finishes to Closed Vessels, Bowls 2 Rotations

Miscellaneous Club Information

Bring Back Winners from May

Sam Slovak
Neal Brand X2
Jeff Whitcomb X2
Mike Zunkowski
John Easterling

Teddy Twombly X2
Gary Bobenhausen
Ed Doub
John Banderhurst

GTW Events Calendar 2013

June 3: GTW Monthly Club Meeting
June 13: GTW Board Meeting
June 20: DAW Monthly Meeting
June 27: WNT Monthly Meeting
July 3: GTW Monthly Club Meeting
July 13: Open Shop - Peter Tkacs Shop

Renew Your Membership

Don't forget to renew your GTW membership. Membership forms can be found at the end of this newsletter and on the GTW web site. Your membership allows us to continue with programs, demonstrations, and events to which we all have become accustomed. Please consider joining AAW as well if you are not currently a member.



Photos of members from our April meeting

Miscellaneous Club Information

Continued

Bowl of the Month Club

To date we have 96 bowls submitted for the Empty Bowls Program. That is a quit a bit behind last year but we have a few left over so the pressure has been off. We still need to concentrate on getting bowls turned for October. The following are the Bowl of the Month Club members that have donated bowls so far this year:

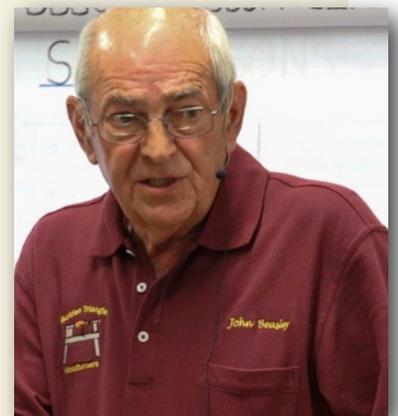
Gary Armitage	1	Teddy Twombly	16
Greg Ammon	5	Robert Voth	2
Sharon Ayres	1	Joel Rubin	2
John Beasley	17	Dick Koch	9
Neal Brand	7		
Bill George	1	Other	4
Don Hawkins	1	Unknown	10
Tom Lohr	2	Total	96
Dale Lloyd	9		
John Solberg	5		



Empty Bowls and Beads of Courage will continue to be our outreach programs for 2013

GTW Logo Shirts

Order form for the new GTW Logo Shirts can be found on the next page and will also be available at the next meeting. We will be taking orders for the next two months and will deliver the shirts at the August meeting. Price for the Golf shirt is \$25.00 and the Long Sleeve is \$30.00. There is a \$5.00 additional charge to add your name. Payment must accompany your order.



New club Shirt

GTW Logo Shirt Order Form

Name: _____ Phone: _____

Please Print

(Please include payment with order)

Golf Shirt with Pocket

Price: \$25.00 With Name: \$30.00

Size: Small to 3X Large

Quantity: _____ Size: _____ Price: _____

Include Name: _____
Print as you want on shirt



Long Sleeve Shirt

Price: \$30.00 With Name: \$35.00

Size: Small to 3X Large

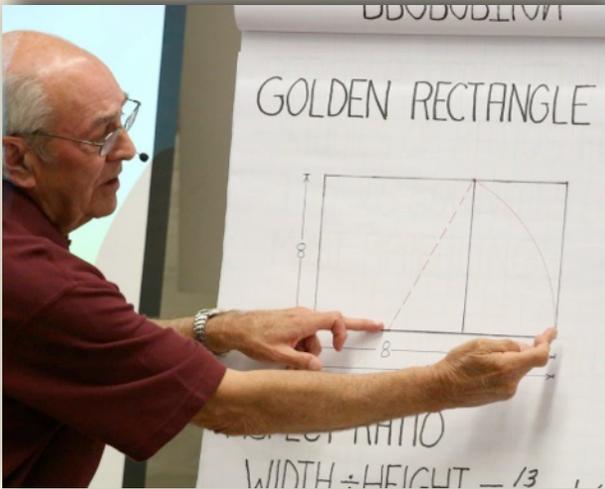
Quantity: _____ Size: _____ Price: _____

Include Name: _____
Print as you want on shirt

Total \$ Attached: _____

For Club Use:		
Date: _____	Check No: _____	Total Amount: _____
Date Ordered: _____	Date Delivered: _____	

Pictures from the May Meeting



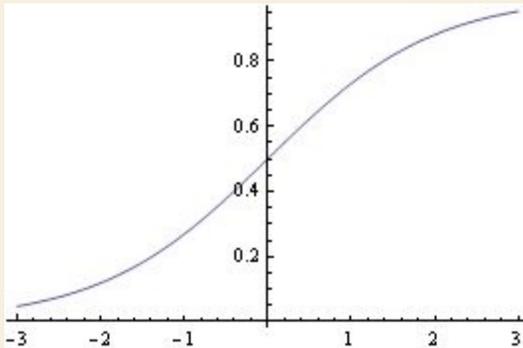
Ogee Shaped Bowls

By: Dr. Neal Brand

Last month John Beasley gave us an excellent demonstration on how to base the form of a bowl on some simple mathematical curves. He used the ellipse, sphere and the catenary. The equations for these curves are $x^2/a^2 + y^2/b^2 = 1$, $x^2 + y^2 = r^2$ and $y = (b/2)(e^{(x/b)} + e^{(-x/b)})$ respectively. The parameters a , b , and r can be varied to make the curve the correct size for the blank. Each of these curves gives a bowl that is convex. That is, if you draw a line between two points on the curve, the line always lies above the curve. A curve with this property is called concave up. A curve that is concave down is one where a line between two points always lies below the curve. There are also attractive shapes for bowls that are concave down.

Here I want to point out some curves that have a section that is concave up and a section that is concave down. Mathematically these curves are said to have a point of inflection, that is, a point where the concavity changes. Most woodworkers call these curves ogee curves.

The first ogee curve is the logistic curve. It is often used to model populations with constrained growth. An equation for the logistic curve is $y = b e^{(x/b)} / (1 + e^{(x/b)})$ where $-a < x < a$. The graph is below.



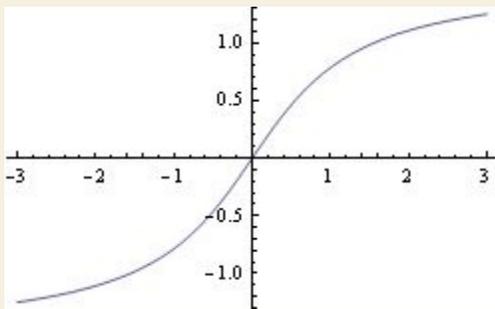
Here I used $b = 1$ and $a = 3$. Note that the curve only gives half the bowl shape. It should be rotated about the vertical line at $x = -3$ in order to get the full bowl shape. By varying a and b you can modify the shape to make the curve steeper or more shallow. Whatever you use for a and b , the point of inflection will be at the center, that is at the point where $x = 0$. I think that having the point of inflection in the center gives a very attractive shape, but you can modify where the point of inflection is by simply restricting the values of x so they are not symmetric about the origin ($x = 0$).

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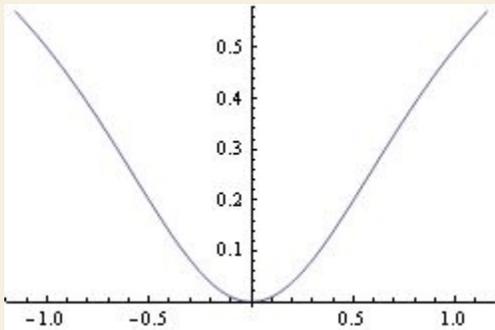
Ogee Shaped Bowls

By: Dr. Neal Brand
Continued from page 10

Another possible curve would be the arctangent curve. The equation is $y = b \operatorname{Arctan}(x/b)$ with $-a < x < a$. Here is a picture of the graph with $b=1$.



A third ogee curve has equation $y = a(1 - (1/(1 + bx^2)))$ where $-1/\sqrt{3b} < x < 1/\sqrt{3b}$. Here is a picture of the graph.



For this curve, I have drawn both sides of the bowl shape. The points of inflection are at $x = 1/\sqrt{3b}$ and $x = -1/\sqrt{3b}$, so letting x run between $-2/\sqrt{3b}$ and $+2/\sqrt{3b}$ puts a point of inflection in the middle of either side of the curve.

There are many other mathematical functions that one could use to base the shape of an ogee bowl, but these are some possibilities that come from fairly simple curves.

DO YOU KNOW THAT.....

....**You can join World of Woodturners (WOW)**.....In order to do so you need an invitation from a current member. For those who wish to have access to World of Woodturners, please email Sam Slovak at sslovak7@msn.com and he will facilitate your joining this site and have the notification of membership sent to your email address.

....**Please Welcome our Newest Member of GTW**.....Jim Day joined as our newest member last month. Please give him a warm GTW welcome!!

....**Congratulations are due to Professor Neal Brand**.....Dr Brand (our own GTW Past President) has been selected as a University Distinguished Teaching Professor in honor of his outstanding teaching of mathematics over his career at UNT. Recently, UNT has also recognized Professor Brand's excellent teaching by awarding him with a President's Council Teaching Award and by nominating him for the Piper Professor Program. Congratulations Dr Brand!!!

....**GTW Demonstrations are on line**.....Did you see a demonstration this past year you especially liked? They are now posted on YouTube for your viewing enjoyment. Just search Golden Triangle Woodturners.

....**Exotic and Domestic wood identification**....Can be found on line at: <http://www.hobbitthouseinc.com/personal/woodpics/index.htm>. This includes color-corrected pictures of most the wood we use in turning.

....**Woodturning Online**.....Is a great resource for woodturning projects, articles, and helpful information. Check it out at: www.woodturningonline.com

.... **June is the Quarterly Raffle Month**.....And this month we have an Off-Center Chuck as the raffle item. See the attached picture. All raffle tickets from the second quarter along with the June tickets will go into the hopper for the drawing. Be sure to stock up on tickets this month. This is a \$150.00 item.





Learning Opportunities

AAW SYMPOSIUM JUNE 28 - 30 IN TAMPA FLORIDA

Five Reasons to Attend the AAW Tampa Symposium

#1 Excellent Value

Held during three full days in the heart of central Florida's signature vacation destinations, the Tampa symposium packs in more high-quality learning opportunities for woodturners than any other event. The only difficulty may be deciding what to see first! [sign up early](#) for discounted registration and to access group-rate hotels. At the symposium, you will receive a full-color handout book that includes techniques and insights from demonstrators.

#2 World-Class Demonstrations

Simply put, no other event will offer as many opportunities to learn from the best turners in the world. With more than eighty of the most talented and inspirational demonstrators and with well over 100 rotations in all, you will have more opportunities than anywhere else to observe, ask questions, and interact with top experts.

#3 Learn New Skills

Personally tailor your experience by choosing the demonstrations and panel discussions that hold the greatest possibility to learn the tips and techniques you need for woodturning success.

#4 World's Largest Instant Gallery

The Instant Gallery is enormous - bring three pieces of your work to share! Themed exhibits will draw collectors and galleries from across the country, an opportunity for your work to be noticed and for you to view pieces created by the world's most inspirational artists.

#5 More than Fifty Vendors

The tradeshow will include more than fifty vendors. See and test the latest tools, equipment, and woodturning supplies. There is no substitute for holding tools in your own hands and for having experts demonstrate tricks and techniques. Wood - there will truckloads of treasures to select from!

GTW Mentoring Program

DO YOU NEED HELP WITH A TURNING PROJECT? JUST ASK!

The members listed below have offered their time and expertise and are willing to be a mentor to other members. Please contact the mentor directly. For More information check the GTW web site.

Sharon Ayres	Dallas	214-707-0776	ladywithlathe@aol.com
John Beasley	Denton	940-387-7062	rbeasley15@verizon.net
Neal Brand	Denton	940-383-1248	neal@unt.edu
Glynn Cox	Roanoke	817-337-0210	thumb9@verizon.net
Don Hawkins	Gainesville	940-665-3033	ddhawkins@sbcglobal.net
John Horn	N. Richland Hills	817-485-7397	johnhorn@flash.net
John Solberg	Denton	940-387-3089	betweencenters@gmail.com
Chip Sutherland	Plano	214-495-8765	woodchipper518@gmail.com
Peter Tkacs	Denton	940-271-4728	petertkacs@gmail.com

Thank You For Volunteering your Time and Expertise!!

If you are interested in becoming a mentor please let one of the board members know.



facebook.

GTW is now on facebook

Find us at: **Golden Triangle Woodturners**

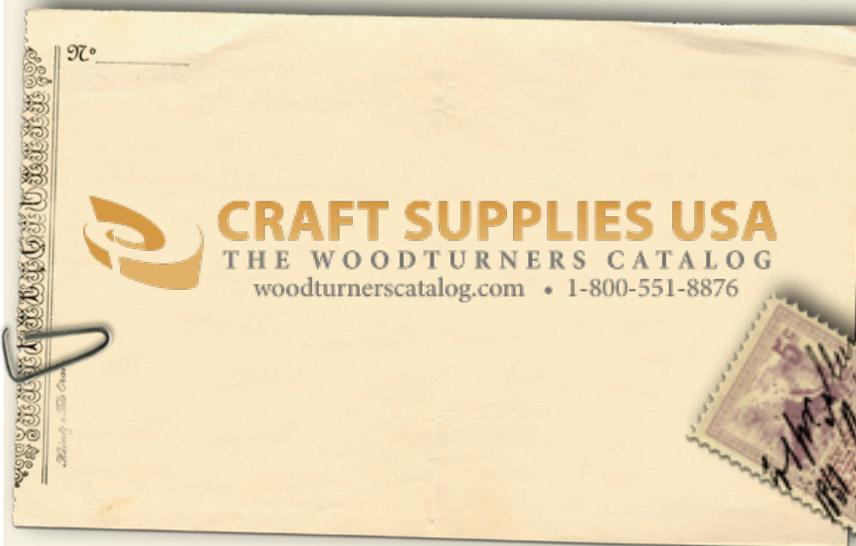
Follow us for up to date club information.

Golden Triangle Woodturners

CLUB INFORMATION AND CONTACTS

2013 Club Officers

President	John Beasley	940-387-7062	rbeasley15@verizon.net
Vice President	Sam Slovak	940-484-0805	sslovak7@msn.com
Secretary	Mike Nelson	214-387-9077	nelson6753@sbcglobal.net
Treasurer	Chris Morgan	940-321-1151	chris.morgan@centurytel.net
Activities	Mike Zunkowski	214-205-5893	txzonkers@gmail.com
Membership	Mike Nelson	214-387-9077	nelson6753@sbcglobal.net
Librarian	Peter Tkacs	214-662-2200	peterTkacs@gmail.com
Newsletter	John Solberg	940-387-3089	betweencenters@gmail.com
Past President	Neal Brand	940-383-1248	nealbrand70@gmail.com



Don't forget to support the vendors who support us!



Golden Triangle Woodturners



Membership Application 2013

New () Renewal () Check One

Annual Membership: \$30.00 Per Calendar Year (Jan - Dec). (Students \$15)

Name: _____ Spouse: _____

Address: _____

City: _____ Zip Code: _____

Phone Home: _____

Work: _____

Cell: _____

E-Mail: _____

Your Occupation: _____

Full Time () Part Time () Retired ()

Are you a member of AAW? Yes () No ()

How long have you been turning? _____

What kind of lathe do you have? _____

What is your skill level? Beginner () Intermediate () Advance ()

What would you like to see at our club meetings? _____

Can you suggest a demonstrator? _____

Can we contact you to help with special events? Yes () No ()

Check the box if you do NOT want to be listed in the online roster ()

Would you be willing to be a Mentor? Yes () No ()

Signature: _____ Date: _____

Make checks payable to: Golden Triangle Woodturners

If Mailing, Mail to: Golden Triangle Woodturners

%Chris Morgan

1102 Ellard Drive

Hickory Creek TX 76210

(For Office Use)

Amount

Method

Date

Entered