

Golden Triangle Woodturners Club - Denton Texas

# THE WOODTURNER

March 2013

Issue No. 2-3

[www.goldentrianglewoodturners.org](http://www.goldentrianglewoodturners.org)

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

TELEPHONE  
(940) 387-7062



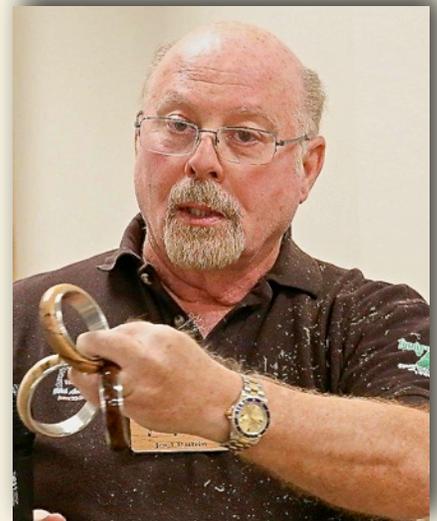
## March 4<sup>th</sup> Demonstration

Joel Rubin

### Bangle Bracelets

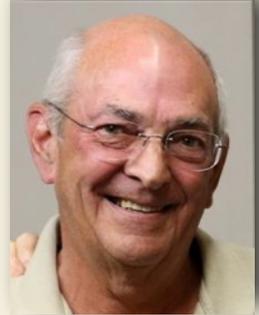
Joel has been known to jump out of perfectly good airplanes, is able to heal the sick in emergency situations, he can make flat boards into bowls, turn wood inside out and now will show us how to add romance to the life of a woodturner by demonstrating the art of making wooden bangle bracelets.

We give you a most interesting man in Golden Triangle Woodturners'..... Dr Joel Rubin.



## President's Platter

JOHN BEASLEY



This past week saw the delivery of a seven piece salad serving set to my daughter in Dallas where it will go to the fund raising auction at the grandkids' school. My wife reminded me that I was now signed up, (can't say no) for 5 (five) different charity auctions. I better get some good stuff in the pipeline.

When one thinks about the fun of turning we often go through the steps from selecting wood to buy or sawing up the logs in the yard, the great feeling of hitting the right cut, to the coat of finish that lets the grain pop out. We don't hear much about the pleasure we get from giving our turnings to people who appreciate our work.

Donating to charities gives us one more aspect to turning that makes us feel good. We feel good because we are proud of our work, we are supporting a worthy cause in our community, and someone values our turning, or they would not buy it. An exception is the kids who get our cars and Beads of Courage boxes – their smiles are worth big bucks.

Give it a try. We have opportunities from the Auction for the Arts, Beads of Courage Boxes, Empty Bowls, to cars for the kids. You will feel good about yourself and enjoy the full circle of the fun of turning.

### *Quarterly Raffle*



One lucky winner will get an all expenses paid trip....**Wrong....** Will win a years supply of sanding discs (depending on how much you use) for all of your turning needs. Buy a few extra tickets this month to improve your chances.

2" and 3" velcro holders and 400 sanding disks.  
Value: almost \$200.00



## Up Coming Activities at GTW

### Next Months Demonstration

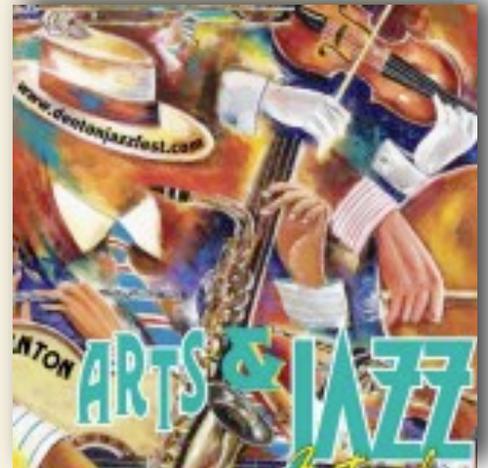
April: **Donald Derry - Shape and Form for Turnings**



### April 26 thru April 28 - Denton Arts and Jazz festival

Here is a friendly reminder on our upcoming Denton Arts and Jazz Festival.

March is upon us and spring is in the air. And every year during spring there is the Denton Arts and Jazz Festival. We have been asking everyone to take some time and turn some cars. With the festival being the last weekend in April, this is a friendly reminder to finish those car blanks. There will be a number of kids excited to see us all there turning and handing out cars. If you have finished some cars then please bring them back at the March and April meetings. We will be collecting them and putting them in boxes for the event. If you need a pattern, wheels and/or axils let Mike Zunkowski know and he will get you some. There will be more blanks out at the March and April meeting if you're feeling challenged.



Also keep in mind that we need volunteers. This is a great opportunity to turn some cars and maybe some other things at the festival. You get to meet lots of people plus you get lots of help from your fellow wood turners. Talking to the folks who drop by the booth is fun and giving cars away to kids is rewarding too.

**I wish I knew that before note:** I tried to put the wheels on my car with a small mallet since I had no fancy press like we have had at last year's events. Well after smacking my finger a couple of times, I began to look around the shop for alternate ways. I came upon my pen press. I quickly made a jig to accommodate the wheels and low and behold it worked like a champ. I can press on wheels really fast now and it only takes a minute to put on all 4. Another idea is if you turn a 2 step dowel you can do the same with your drill press. Insert the smaller diameter into the drill chuck and then press down on the wheel and car. Thanks everybody for your help.

## DO YOU KNOW THAT.....

....**Golden Triangle Woodturners added four new members in February.....**Please welcome the following new members to our club and make them feel right at home.

David Heckart

Tim Howe

Chas Thornhill

Jeff Whitcomb

....**Three members of Golden Triangle Woodturners.....**Presented the Finishing Demonstration to the Woodturners of North Texas, Fort Worth at their January meeting. They are: Chris Morgan, John Beasley, and John Solberg.

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

....**Drying wet wood in a microwave.....**Can be hazardous to your health if done for too long a time. It could even catch on fire. Ask our president, John Beasley for more details!

....**Woodturners of North Texas in Fort Worth (WNT).....**Will be hosting Mike Mahoney for an all day demonstration on Saturday April 6<sup>th</sup>. This is a great opportunity to see a real woodturning pro. Cost is \$10.00 for the day with lunch on your own.

....**Greater Denton Arts Council.....**Now through April 5<sup>th</sup> is the 26<sup>th</sup> Annual *Materials Hard & Soft* exhibit. Be sure to check it out. It's in the same facility that we hold our monthly meetings.



### Greater Denton Arts Council



## A Calculus Project

Neal Brand

What is better than combining your job with your hobby? I teach math at the University of North Texas. This year I am teaching a yearlong calculus class filled with talented high school students who are enrolled in the Texas Academy of Mathematics and Science. I am always looking for ways I can apply mathematics to wood turning and recently I had an idea that not only accomplished that, but it will also raised well over \$600 toward a scholarship fund.

Support spindles were used to spin yarn before the spinning wheel was invented. In fact, there is evidence that spindles date back 20,000 or more years. Even today, there are many people who spin on spindles as a hobby. For the last year and a half, I have been making and selling support spindles. To date, I have made approximately 600 and sold them in most of the 50 states as well as 9 different countries.



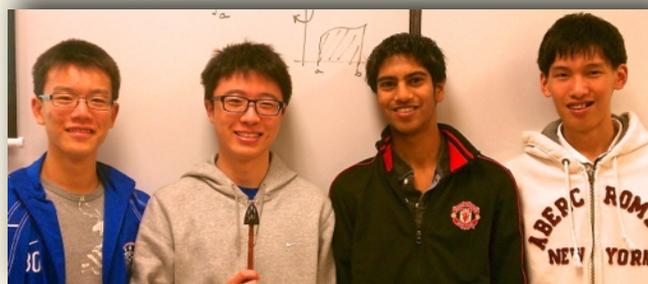
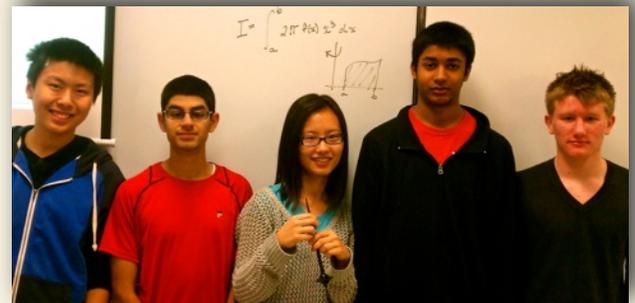
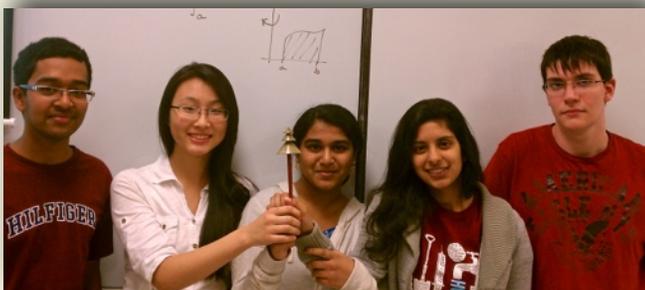
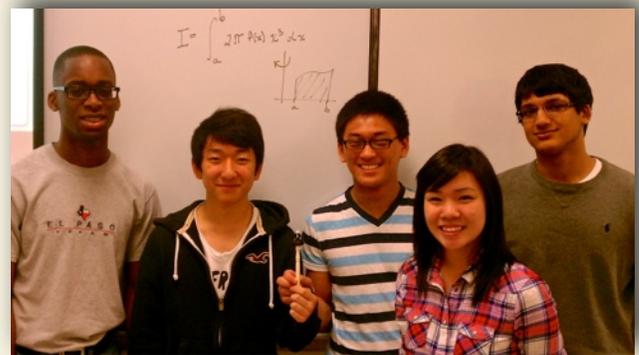
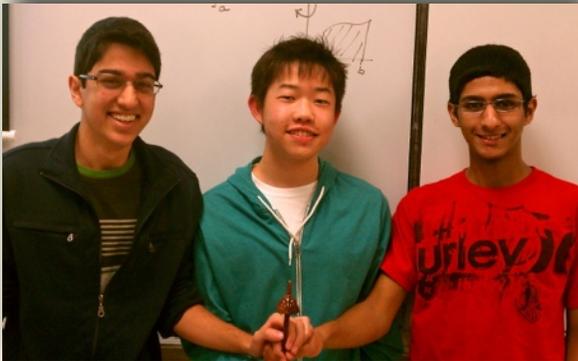
Based on feedback I realized that most spinners prefer spindles in the weight range of 25 to 40 grams. But the physics of a spinning object indicate that it is not just the weight that is important, but it is how the weight is distributed. The mass and its distribution are summarized in a measurement called the moment of inertia. The moment of inertia of a small object rotating around in a circular path is its mass times the radius squared. For a solid, the moment of inertia is computed by thinking of breaking up the solid into many very small pieces and adding up the mass times the radius squared over all the pieces. Most people seem to prefer the moment of inertia in the range of 20 to 35 g cm<sup>2</sup>.

So, I had the idea of asking my calculus students to design Tibetan style spindles with the moment of inertia approximately 30 g cm<sup>2</sup>. Tibetan spindles are characterized as having a thin shaft and a much wider whorl that carries most of the moment of inertia. Students worked in groups and each group designed one spindle. They used calculus to determine a whorl shape that has the proper moment of inertia. You can read the project assignment at <http://www.math.unt.edu/~brand/CLASS/1710/2012Fall/SpinProj.pdf>. I thought students would enjoy seeing their spindles in finished form so I made the seven spindles pictured below. I did not want to make 31 spindles and I didn't know how to give spindles to only seven of the 31 students, so I decided to sell them and contribute the money to a scholarship fund at UNT. I put them on ebay and let all my customers know they are there. My students enjoyed watching the bids come in. To date, I have sold five for a total price of just under \$500. I am expecting that after the other two are listed and sold to have a total of over \$600 to contribute to a math scholarship fund.

*Pictures of his students with their spindles on the next page:*

# A Calculus Project

NEAL BRAND'S STUDENTS WITH SPINDLES



# Miscellaneous Club Information

## Bring Back Winners from February

John Lauderbaugh  
 Tom O'Grady  
 Joel Rubin X2  
 Don Bratcher  
 Sam Slovak X2

Sam Jones  
 David Livingston  
 Gary Bobenhausen  
 Dale Lloyd  
 Neal Brand

## GTW Events Calendar 2013

March 14: GTW Board Meeting  
 April 1: Monthly Club Meeting  
 April 11: GTW Board Meeting  
 April 26 - 28: Denton Arts and Jazz  
 May 6: Monthly Club Meeting  
 May 9: GTW Board Meeting

## Renew Your Membership

Don't forget to renew your GTW membership. Membership form 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 February meeting*

# GTW Issues a Quarterly Challenge

**TURN A 9 TO 11 INCH PLATTER IN THE FIRST QUARTER 2013**

*There's Only One Month Left!*

It has been a while since Golden Triangle has had any sort of turning challenge. If you read John Beasley's president report you noticed that one of the goals for this year was to establish a quarterly turning challenge. So for the first quarter the challenge will be to turn a platter with the target size of 9 to 11 inches. We were able to find turning blanks that are 9 to 10" that we will supply for anyone interested in using them. It is not mandatory that the challenge platter be turned from supplied blanks, you are more than welcome to use a blank of your choosing that fits within the suggested target range. The challenge is open to all turners independent of skill level. If you only have a mini lathe, make a platter to the smaller target. Use this as an opportunity to work on your style, form, and finish.

Bring your completed platters to the April meeting and show them off. We will set aside time at the meeting to critique each turning.



*Platter Blanks for the first Quarterly Challenge*



*Example Only*

Don't wait until the last minute. We are in the last month of the challenge. We would like as many platters as possible at the April meeting.

# Buy - Sell - Trade

LIST IT HERE

## For Sale:

### Jet JWL-1442 For Sale (used) with Great Accessory Package (\$700)

- runs on 110
- 1 HP
- 6 speed/Reeves 450-3000rpm
- 14" swing over bed/ 40+" off the end
- 42" between centers
- Sliding/pivoting head stock with #2 morse taper
- 3/8" hole through headstock / vacuum chuck capable
- Tailstock with #2 morse taper
- sturdy legs
- 36 index positions

#### Standard Accessories included

- long tool rest
- large face plate
- small face plate
- live-center revolving tailstock
- indexing pin
- tommy bar

#### Deal sweetener accessories included

- S-shaped bowl tool rest  
Makes profiling the outside and inside of small/medium bowl easy.
- extra tool post, threaded on top  
Make your own tool rest
- 1x8 chuck insert (spindle adapter) for Nova chucks  
This is a \$22 adapter for this lathe for either a Teknatool SuperNova2 or G3 chuck. Just buy one of these chucks and you will already have the spindle adapter required for this lathe.
- 1x8 Chuck adapter for Oneway live center  
This odd little piece of metal Oneway sells for \$35. It is threaded onto a chuck then onto Oneway's revolving center (not included) mounted in the tailstock. This makes centering a piece on a vacuum chuck (not included) or to a Doughnut chuck (included) very easy. Once mounted, the chuck is removed from the piece and the tailstock. Then you finish turn the bottom of your piece.



*Continued on next page*

## Buy - Sell - Trade

PAGE 2

*Continued from previous page:*

**-Doughnut chuck** base with 4 different sized ring plates

This must have jig is used for clamping pieces so you can finish turn the bottom. A few of the ring plates are lined with leather so not to damage the piece as you clamp down on the sides. You make more or modify these ring plates as needed to safely secure pieces of different sizes.

**- Steady Rest/Bowl steady** with 4 wheels custom fit to 1442 lathe bed

This is a must have jig for turning large bowls and hollowforms/vases providing lateral support for the piece while pressure is applied during turning. I used a woodworking clamp under the lathe bed to secure it. I never got around to it but you can add a screw plate easily enough.



With the lathe and these last 2 jigs, you are set for turning practically anything...just add your tools and get a chuck.

**Contact: Chip Sutherland - 214-495-8765 - [Woodchipper518@gmail.com](mailto:Woodchipper518@gmail.com)**

### For Sale:

Delta 46-541P lathe, Delta 46-408 wood Turning Duplicator and assorted turning tools for sale. Asking price \$1000. **Contact Bob Hart 817-994-1333**



# Pictures from the February Meeting



## GTW Mentoring Program

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

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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	<a href="mailto:ladywithlathe@aol.com">ladywithlathe@aol.com</a>
John Beasley	Denton	940-387-7062	<a href="mailto:rbeasley15@verizon.net">rbeasley15@verizon.net</a>
Neal Brand	Denton	940-383-1248	<a href="mailto:neal@unt.edu">neal@unt.edu</a>
Glynn Cox	Roanoke	817-337-0210	<a href="mailto:thumb9@verizon.net">thumb9@verizon.net</a>
Don Hawkins	Gainesville	940-665-3033	<a href="mailto:ddhawkins@sbcglobal.net">ddhawkins@sbcglobal.net</a>
John Horn	N. Richland Hills	817-485-7397	<a href="mailto:johnhorn@flash.net">johnhorn@flash.net</a>
John Solberg	Denton	940-387-3089	<a href="mailto:betweencenters@gmail.com">betweencenters@gmail.com</a>
Peter Tkacs	Denton	940-271-4728	<a href="mailto:petertkacs@gmail.com">petertkacs@gmail.com</a>

**Thank You For Volunteering your Time and Expertise!!**

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



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



*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