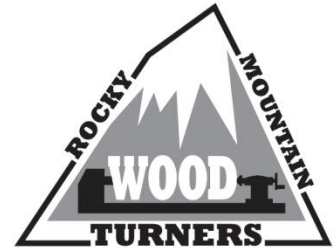




Rocky Mountain Woodturners
*A chapter of the American Association of
Woodturners*
March 2012 Newsletter



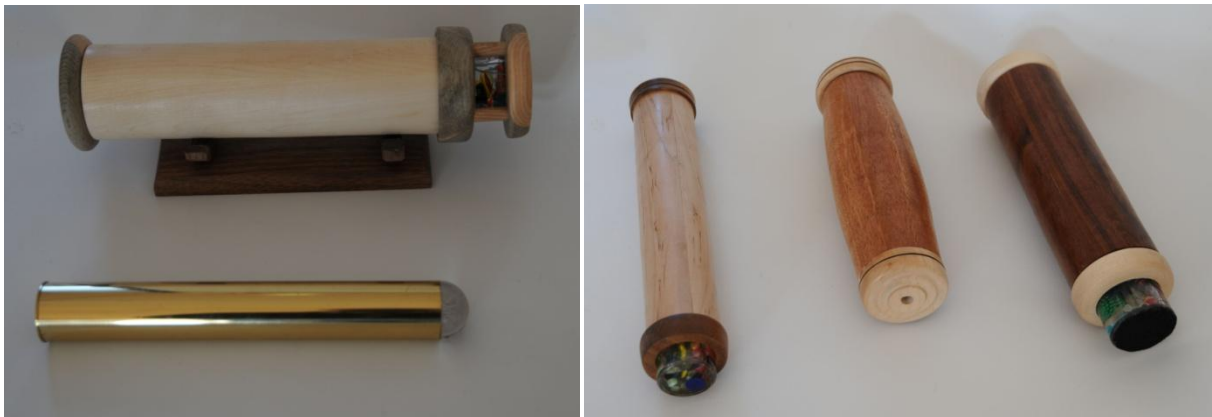
Contents of Newsletter

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- RMWT information, Member's web sites, sources of woodturning instruction and discounts.

Next RMWT Meeting

The next meeting of the Rocky Mountain Woodturners will be Thursday, March 8, 2012 at 6:30 PM. The meeting will be at the Loveland Woodcraft store.

Since RMWT now has a Facebook Page, Cindy Drozda will give us a short demonstration on how to access and utilize Facebook.



Monty Weymouth will be demonstrating how he makes his Kaleidoscopes.

I launched my interest in photography at age twelve when a neighbor offered their son's darkroom to me. (He was going off to college)

I was only interested in and did only black and white images. I started out with a Kodak Brownie then on to 35mm and eventually 4x5 and 8x10 cameras.

When I retired in 2002 I dipped my toe into the color and digital world! For those interested you can see some of my work at www.mc-wey.com.

About five years ago, while taking a box building class, I met John Giem. John led me kicking and screaming to the front of a lathe. Seems I have been there ever since! I joined RMWT shortly after and started taking pictures of the instant gallery and those for the symposium.

I have always been interested in kaleidoscopes and teleidoscopes. So I thought why not build one! My first ones were with PVC and cheap mirrors I bought from Home Depot. Then I tried a sort of a box affair and finally moved on the lathe.

For the March demonstration we will look at how to cut and assemble the body of a simple scope without drilling out the cavity, the making of the object box from a PVC joint, Plexiglas and glass gems, (For Viewing) and the cutting and assembly of mirrors and the finished scope. Next we will look at building a more complex scope with the addition of ball bearings for rotation of the object box, first surface mirrors, a lens for optics and liquid filled object box.

We will also touch on the teleidoscope. (Where the world is your object box)

RMWT Activities

Regular RMWT Chapter Meeting – February 9, 2012

At the regular meeting of the Rocky Mountain Woodturners, the Board announced the selection of Dan Bailey and Lloyd Jenkins as the newest Life Time Members of our chapter.

RMWT Board Meeting

The RMWT Board met on February 20, 2012, at the Wild Boar in Fort Collins. The meeting was called to order at 6:45 PM. Present were Pete Herman, Allen Jensen, Drew Nichols, Frank Amigo, David Nittmann, Dale Bonertz and John Giem.

Schedule of meetings and demonstrators

The following schedule of demonstrators and meeting dates is for the remainder of 2012. Note that some of the meeting dates have been changed due to scheduling conflicts and the availability of some of the demonstrators. Contact David Nittmann for further information.

March 8 Monty Weymouth Kaleidoscopes

Cindy Drozda 10 minutes of Facebook Introduction

April 5 Four Professionals demonstrate for 15 minutes each

May 3 David Nittmann & TBD "How to Critique"

May 12 Doug Fisher All day demo at Woodcraft \$25 RMWT members, \$35 non-members

May 13 Doug Fisher Hands-On demo at Drozda-Nittmann studio Boulder \$175 (full)

June 14 Phil Lackey piercing thin walled vessels (delay due to AAW symposium)

July 5 Youth Challenge 6 young turners doing their thing 10 minutes each

July 7, Terry Martin at Woodcraft.
August 9 Travis Bauer Designing Woodturnings
Sept 6 To be announced, RMWT Symposium Sept 7
October 4 Drew Nichols topic to be announced
November 15 Mike Mahoney Intro
Nov 16 Mike Mahoney All day demo at woodcraft \$25 RMWT members \$35 non-members
Nov 17 Mike Mahoney Hands-On at Trent's studio \$175 (open to 6)
Nov 18 Mike Mahoney Hands-on at Trent's studio \$175 (open to 6)
December 6 Christmas Party TBD

The new Woodcraft owner and manager, Wayne Lousteau, has informed us that they are continuing the 10 percent discount for RMWT members on the days of RMWT meetings. Some restrictions may apply.

There will be a **Wood Bank work day** in April. The primary date is **April 21** with a backup date of April 28 just in case we have some bad weather. We will start at 10:00 AM with a **chainsaw safety** demonstration and discussion by Allen Jensen. We will then **sort out the wood** in the Wood Bank and get it better organized. The 'bad' wood will be separated out and be put in the firewood pile. The 'good' turning wood will be properly stacked, in the wood lot or your vehicle, and labeled. After the clean-up is completed we will **chow down on brats and hotdogs** hot off of the grill. As always, you will be free to take home with you as much turning wood and firewood as you desire, first come first served. Afterwards, you will be welcome to stay, visit and share information. This is also a good time to get help with any woodturning challenges you have.

We have been contacted by the vendor we had last year to ask if we wanted him to bring some **black ash burl**. John has invited him to join us on April 21 for the work day. Last year he had some really nice burls at good prices. (As of this writing, he has not replied to us. More details will be relayed to you as they develop.)

More information will be available later. Questions, call John Giem, contact info below.

The EOG Committee will be meeting with the Board at 6:00 prior to our next regular meeting on March 8, 2012.

The Board has reviewed the proposed redesign of the RMWT logo. Due to the Symposium time constraints, it was decided to continue with our present logo. The Board will table the possible redesign of the logo until some later date. New proposals for the redesign of the logo will still be accepted.

The revised By-Laws have been delayed due to the requirements needed by the IRS to qualify as a non-profit organization.

At this time we have 78 members that have paid their dues for this year. This is the quickest that we have achieved this number. We are averaging about 65 members per meeting.

Cleanup after the meetings is becoming a significant inconvenience (problem). To eliminate the same few people doing the final cleanup after the meetings, we need more members to

stick around until **EVERYTHING** is cleaned up. So, please step up and help with the cleanup so that we can be good visitors for our host Woodcraft.

The Board is pleased with the volunteers that have been helping out with our activities. But... We need feedback from the membership as to how to attract more volunteers so we can spread the fun around. If you have ideas or want to volunteer to help, contact any Board member.

As part of the ongoing efforts to upgrade the Audio-Visual equipment used by both the RMWT meetings and the Symposium, we are purchasing a new video projector and projection screen. Feedback on your experiences, good or bad, with these systems as we progress will be greatly appreciated. It helps to know if you think we are moving in the right direction.

RMWT Symposium

The Symposium Committee has a Graphic Artist now working with them to redesign the Symposium brochure. The plan is to have a basic brochure that can be utilized year to year without any changes. An insert each year will contain the details for that year.

The format of the Symposium is being changed (improved we hope) this year. The current schedule is:

Friday, September 7, 2012

10:00 AM – The McKee building will be open for setup of Vendors, Instant Gallery, Demo Rooms, etc.

3:00 to 6:00 PM – open for the Trade Show, Registration and Instant Gallery.

6:00 to 8:00 PM – Meet and Greet at Woodcraft, open to all attendees of the Symposium.

Enjoy food and drinks while visiting with the Demonstrators, Vendors and friends.

Saturday, September 8, 2012

7:30 Doors Open

8:00 – Registration

- ? - Opening Ceremony
- ? - Rotations / Trade Show
- ? - Lunch / Vendors
- ? - Rotations / Trade Show
- ? - Trade Show
- ? - Banquet and Silent Auction
- ? - Live auction

Sunday, September 9, 2012

- ? - Instant Gallery Critique
- ? - Rotations / Trade Show
- ? - Lunch / Trade Show
- ? - Rotations / Trade Show
- ? - Break down and clean up

The main large room is being reorganized with the stage in the center that will be dual purpose.

The stage will be used during Ceremonies and the Auction. In addition the Vendors are being invited to schedule time slots where they can do demonstrations using the stage area.

Cindy Drozda is working with potential vendors for the Trade Show portion of the Symposium. One of the limitations in getting vendors to come is the cost of lodging while here. We are looking for members who would like to host vendors while here. This is a great opportunity to get to know some very interesting people. If you can help in finding hosts for Vendors during the Symposium, then contact Cindy Drozda, cindy@cincydrozda.com, or (303)449-7170.

The Symposium Committee has already found hosts for the Demonstrators. The ability to have hosts for our guests is significant in keeping the costs low allowing us to attract Demonstrators and Vendors.

Announcements

Carving class

J Paul Fennell will be giving a carving class in the Amigo workshop the week before the Rocky Mountain Symposium. He is an excellent carver and by the end of the week you will be doing excellent work. No carving experience is necessary in order to sign up. Dixie Biggs was here for a carving class last year and it was attended by students who had never done any carving before. Without exception, everyone was amazed by the carving they could all do by the end of the class.

Class fee is \$400 for the week.



His web site is www.jpaulfennell.com.

For more information or to sign up for this carving class, contact Frank Amigo. (His contact information is below.)

RMWT Dues Submit your \$40 dues payment to Drew Nichols. To help you understand 'what you get for your money' look at the 2012 budget in the February Newsletter. For those who have paid their dues, your membership card will have been inserted into your name badge holder.

Facebook

Cindy Drozda and Hoyle Curtis have set up a Facebook page for the Rocky Mountain Woodturners. This will be a good way to promote RMWT and our Symposium. Cindy indicated that we are all ready getting visits from around the country. Visit the site and participate.

Invite your friends to visit also. To get started, on our website, www.rmwt.org, there is a link that will take you to our Facebook page.

Woodturner Bumper Stickers

Drew Nichols has bumper stickers (put them on your rear window) with the Rocky Mountains in the background and 'Woodturner' in the foreground. Drew will have them at the next meeting for your purchase, \$2.00 each.

RMWT Demonstration February 2012

Presented by Jim Burt

Reported by John Giem

When I first saw the heart shaped boxes with a hinge made by Jim Burke I was intrigued. How could something that shape be turned on the lathe? It is non symmetrical around the axis of rotation. During his demo, I discovered that the real axis of rotation is 90 degrees different that my original thinking.



It started to make sense when I discovered that the axis of rotation was vertically through the downward point in the top on to the point at the base of the heart.

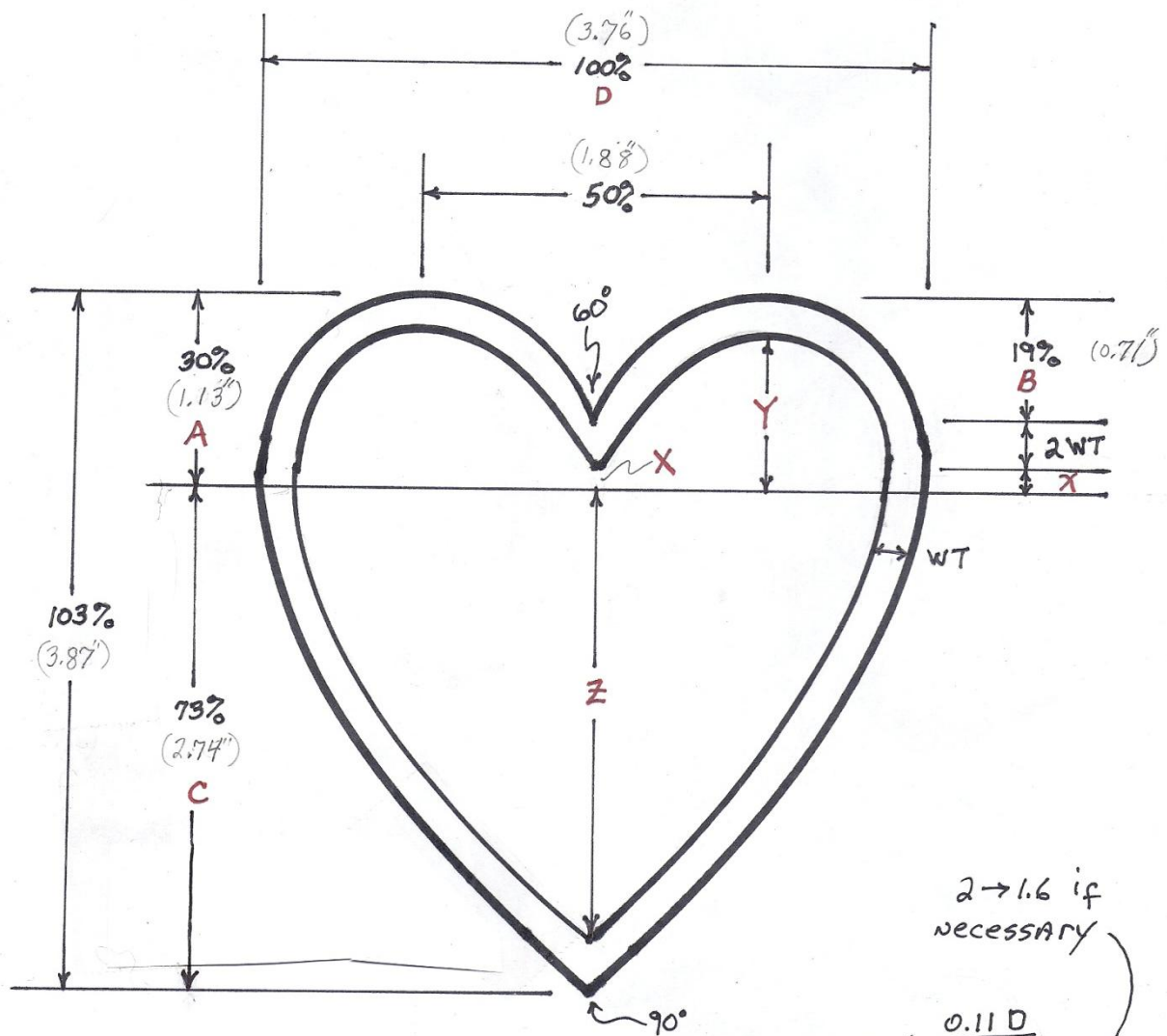
To make the heart shaped box, Jim turns a precision shaped box with closely controlled dimensions, glues the lid back on and then recuts it through the axis of rotation.

A quite significant 'tool' he uses is the drawing showing the dimensions and proportions that are to be turned. The drawing or plan can be scaled to make any size heart desired. The key is to assign the maximum diameter across the widest part of the heart the value of 100%. All other dimensions are scaled accordingly.

In his plan reproduced here, the diameter of the cylinder he is using is 3.76" (about 3 3/4") which he will maintain for the final heart. He uses this dimension as 100%, all other dimensions are scaled from that. From the drawing, the height of the heart is 103% of the diameter at the widest part. 103% of 3.76" is $1.03 * 3.76" = 3.873"$ or about 3 7/8". The seam to be cut between the top and bottom of the first box configuration is at the widest point of the heart. The distance from the top down to the seam is 30% of the diameter or 30 % of 3.767" = $0.30 * 3.76" = 1.28"$ or about 1 1/8". Similarly, the percentages given are used to establish the other dimensions needed to create the correct shape (not distorted) of the heart.

This layout that Jim uses is a guideline he uses to keep the proportions looking right. Others may want to do their designs differently.

Jim starts with a cylinder with a tenon on one end and mounted in a scroll chuck. The end will be the top of the box. When shaping the top, it is critical to get the positions of the humps correctly positioned and to get the center the correct depth. The bottom of the depression must be clean and crisp. To do this he uses a scraper ground to a fine point.



$$WT = 0.20''$$

$$D = 3.76''$$

$$Z = C - 1.41/WT$$

$$Z = 2.74 - 1.41/(0.20)$$

$$Z = 2.46''$$

$$Y = A - WT$$

$$Y = 1.13 - 0.20$$

$$Y = 0.93''$$

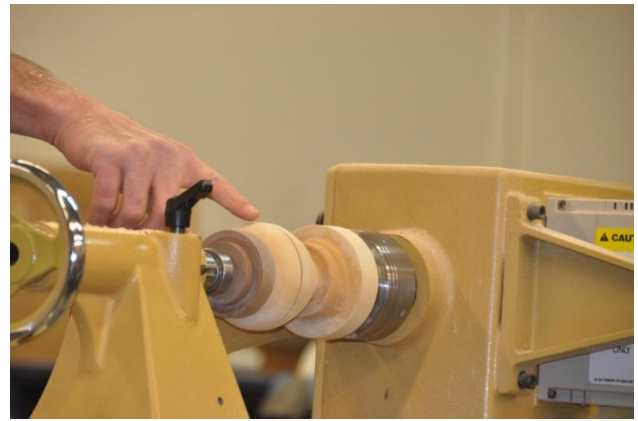
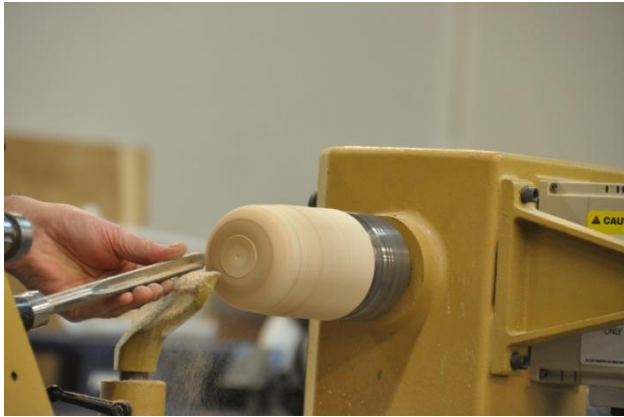
$$WT \leq \frac{0.11 D}{2}$$

2 → 1.6 if necessary

$$X = A - B - 2WT$$

$$X = 1.13 - 0.71 - 2(0.20)$$

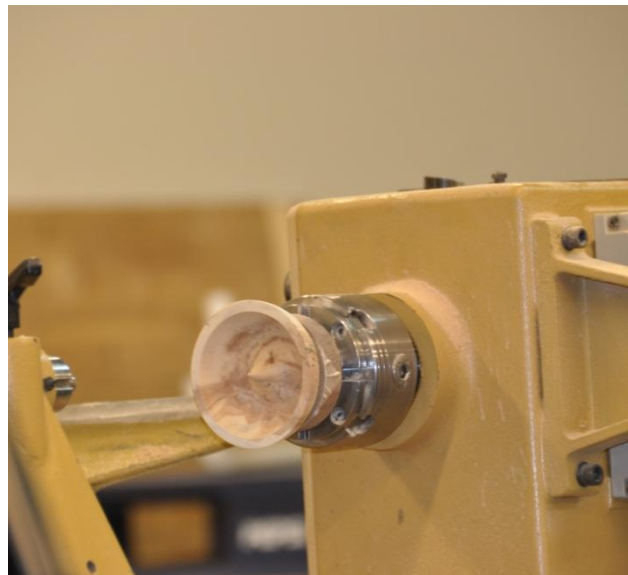
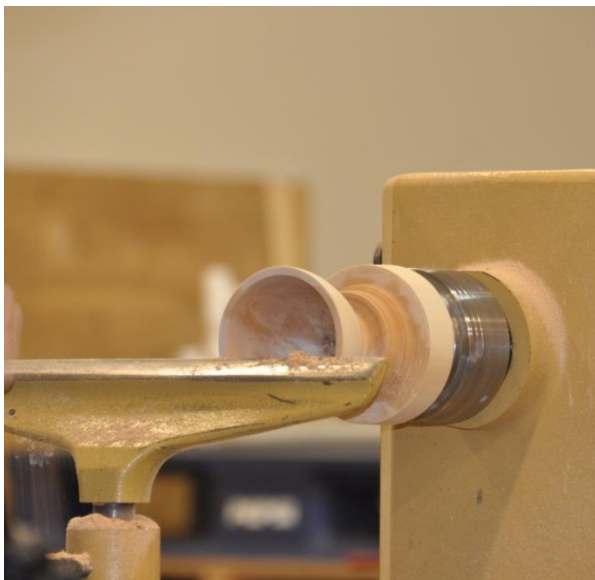
$$X = 0.02''$$



The top is correctly shaped and smoothed, and then a specially shaped mandrel with double sided tape is positioned on the live center and pressed against the free end (top) of the turning. The mandrel has a tenon on it so that it can be used later to mount the top in the scroll chuck. To set the tape to get good adhesion to the turning requires a good pressure for 5 minutes or more.

By measuring down from the top, the separation point, the widest part, for the box is identified. Using a thin parting tool, the blank is cut part way through.

A background of contrasting color is placed on the opposite side of the turning to better see the shape being cut. The bottom part of the box is then turned. A saw is used to make the final separation of the lid. He places his saw under the blank and cuts upward to avoid hitting the bed ways when breaking through. The inside of the bottom is hollowed out being very careful to achieve a uniform wall thickness of 0.2 inches. Cut, measure, cut, measure ... until completed. Using a sanding block, the top of the base where the lid will connect is sanded flat and smooth. Be aware that the corners of this surface can easily cut fingers.



A mandrel is placed over the live center and with double sided tape is attached to the base with double sided tape. This aids in finishing the shaping and separation of the base of the bottom.

The top of the box with its mandrel is mounted in the scroll chuck and the interior is shaped. The previously set wall thickness of 0.2 inches controls the depth of cuts within the dome. The positioning of the inside of the

hump and its depth is critical. This also dependent upon how well the outside of the top was previously turned and positioned. Mark the center point of the tops interior. This is a reminder that when finished, that mark must still be there. After shaping, the interior is finish sanded. A sanding block is used as before to flatten and smooth up the joint surface.

Leaving the mounted, glue is applied to the joint surfaces and spread out evenly. While matching the wood grain, the base is aligned and pressed against the top. Remove excess glue. The tailstock is used to clamp them together until dry. Although this is an end grain to end grain glue joint its strength is adequate for the intended gift. After drying and sanding, with the box still on the lathe, a thin handsaw is used to cut the box in half horizontally stating at the tip of the base up to the mandrel at the top. Upon the completion of the cut, the box is detached from the double-sided tape on the headstock mandrel.

Upon removal of the two halves from the lathe, the box can now be opened for inspection. If we made any errors in the hollowing they will be evident in any variation in the wall thicknesses. Jim indicated that some of his first boxes required a lot of sanding to even up the walls to make them look nice.



Jim

makes his own wooden hinges by cutting two matched sets of comb like strips of wood. The fingers of the two will mesh together. He then carefully marks and drills a hole down through the fingers one strip at a time. The two strips are then meshed together and a hinge pin is inserted. The hinge is the sized to length and sanded to allow free movement. The hinge is then glued onto the heart box so that the two halves are linked together when being opened and closed. He makes both double and single hinge units. The double hinge allows wider opening of the box without binding.





RMWT Meetings and information

President: Pete Herman
(970) 663-1951 home
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Peter_Herman@comcast.net

Vice President: Drew Nichols
Shop Tours
(970) 566-4662 home
(970) 224-4850 mobile
dcnichols2004@msn.com

Treasurer: Frank Amigo
efamigo@msn.com

Secretary & Newsletter: John Giem
970 223-0844 home
970 227-6618 mobile
jgiem@comcast.net

Wood Bank
John Giem, Chairman and Wood Lot
Manager
(see above)

Vince Wilson, Scout & Liaison with Tree
Surgeons, (970) 430-0961,
vwildonco@msn.com

Jerry Sherman, Collection
(970) 631-2984 mobile
(970) 484-2619 home

RMWT Program Director
David Nittmann
303 579-6744
david@davidnittmann.com

RMWT Webmaster: Hoyle Curtis
Hoyle.curtis@gmail.com

RMWT Symposium

General Coordinator: Allen Jensen
970 663-1868 work
970 776-6452 mobile

Vendor Coordinator: Mide Davis
Mikeldaviasllc@msn.com,

Program Coordinator: Trent Bosch
trent@trentbosch.com

Registration Coordinator: John Giem
970 223-0844 -- home
970 227-6618 -- mobile
jgiem@comcast.net

10% RMWT Member discount with some exceptions

Wood Emporium
618 N Garfield Ave
Loveland, CO

Sears Trostel Lumber & Millwork
1500 Riverside Ave
Ft. Collins, CO 80524
970-482-1928
970-482-9895 Fax

Woodcraft – Loveland
3718 Draft Horse Drive
Loveland, CO 80538
Phone: (970) 292-5940
Fax: (970) 292-5939
Loveland@woodcraft.com

Rockler's in Denver – You have to show
your membership card.

Clubs and Member's Websites

Rocky Mountain Wood Turners
www.rmwt.org

AAW – American Assoc of Woodturners
www.woodturner.org

Trent Bosch
www.trentbosch.com

David Nittmann
www.davidnittmann.com

Cindy Drozda
www.cindydrozda.com

John Lynch
www.johnlynchwoodworking.com

Curt Theobald
www.curttheobald.com

Katherine Kowalski
www.KatherineKowalski.com

Want your Website Listed? Contact John Giem, Editor.

Learn From the Best...

Our Club, RMWT, is known around the nation because we have some of the best turners, nationally known demonstrators and best teachers of Basic, Intermediate, Advanced and Specialty turning right here in our own back yard.

Trent Bosch Woodturning Workshops

Workshops are held in Trent's studio in Fort Collins, Colorado. There is a maximum of four people in each class, which allows for lots of individualized instruction. The cost is \$500 for the 3-day intensive workshop and

\$650 for the 4-day. Meals are also provided at no extra charge. His studio is also equipped with the highest quality equipment available for your use. For detailed information on workshops visit www.trentbosch.com or contact Trent via email or phone.

Trent Bosch
Trent Bosch Studios Inc.
trent@trentbosch.com
970 568 3299

Lee Carter operates the **Rocky Mountain School of Woodturning** in LaPorte, Colorado. He offers classes in Basics, Intermediate and Advanced. Lee also offers private tutoring. Seven different brands of lathes are available.

Call Lee Carter at 970-221-4382 to sign up or have him answer any questions.
e-mail LLJTC4X4149@CS.COM

Curt Theobald offers three-day workshops in Segmented Woodturning in his studio in Pine Bluffs, Wyoming.
Call Curt Theobald at 307.245.3310
E-mail cwtheobald@wyoming.com
Website is www.curttheobald.com

John Giem, Woodturner

Individual or small group woodworking instruction customized to the needs of the student. Offering both woodworking on the lathe and combined with regular power tools. Classes are held in John's studio in Fort Collins, CO, which is equipped with a complete set of woodworking tools. Contact John to discuss your interests and needs.

jgiem@comcast.net

(970)223-0844, home phone
(970)227-6618, cell phone

Katherine Kowalski is a Woodturner & Contemporary Artist, offering private/small group instruction in woodturning technique,

as well as specialized classes in hollow forms, bowl, fine spindlework, and color theory/technique. (All levels of instruction are available). Classes are held at Katherine's studio in Cheyenne, WY.
Email: katherine@daystarhandworks.com
Cell Phone: 307 220-0130
Web site: www.katherinekowalski.com

Woodcraft has classes for beginners in woodworking, shop safety, intro the machines, bowl turning, pen and pencil turning, hollow forms, Christmas tree ornaments, tool sharpening, etc. Please check out the classes being offered at web page
www.woodcraft.com/stores/store.aspx?id=56