

# COLORADO Woodworkers NEWSLETTER

Encouraging all woodworkers in  
self-expression, craftsmanship and knowledge

**May 2009**

## From the President

I am personally VERY excited about our June meeting. If you were at the last meeting, and read the rest of the newsletter, we are bringing in Darrell Peart, a master craftsman in the arts and crafts style of furniture building and design. His main influence is the Greene and Greene style but draws from many other masters such as Maloof and Krenov. His web site has photos of his work along with some other great features like some of his projects in various stages of completion, from the first drawings to the final piece. He is very knowledgeable and very willing to share what he knows. What we learn from this event will enrich our own skills in ANYTHING we may build, not just furniture.

We are looking for some other woodworkers like Darrell to bring in a couple of times a year so if you have a favorite woodworker or influence please let us know. We'll track them down and see if we can bring them in.

We have about 3 shops or more willing to participate in the CWG Shop Tours and will be posting the next one soon. These will be in addition to the regular meetings. Among them are Joe Kuter's CNC Paradise, Black Forest Cabinets and a furniture manufacturer. If you have a shop you would like us to tour let me know and we'll get you on the list.

I'd also like to take a moment to thank all the Great Guys on our Board: Cal, Robert and Lindy (the new kid). These guys do WAY more than most of you know about. Without them this group would be a distant memory. So if you like our group and the knowledge we have been bringing in, take a moment and thank them. That's really all the payment they get for all their hard work.

Our former Treasurer, Chris Pine, is off to Iraq for about 12 weeks and we want to wish him all the best and a very safe return. We look forward to seeing him back at the meetings!

*Frederick R. Matzen*

## CWG Calendar

**May 19th 7:00P.M.:Rockler,2553 S. Colorado Blvd.**  
**Richard Heckman - Wooden Screws**

**June 13th 9:00A.M. - 4:30P.M. Saturday:**  
**Rockler, 2553 S. Colorado Blvd**  
**Darrell Peart - Greene & Greene**

**July 21st 7:00P.M. Rockler, 2553 S. Colorado Blvd**  
**Pat Morrow - Creative Design**

Visit our web site for latest updates on meetings and locations:  
[www.coloradowoodworkersguild.org](http://www.coloradowoodworkersguild.org)

## May Main Presentation

The featured speaker at our meeting on the 19th is Richard Heckman from our guild. Richard is 81 years old and holds a BS, MS, and PhD all in physics, he moved here after living in Albuquerque for 45 years to be near a daughter that lives in the metro area. He has been a woodworking hobbyist for more than 30 years. His interest in making large diameter wooden screws began when he found out how much a large vice for his workbench was going to cost. He began to question in his own mind just how strong are wooden screws and would they be strong enough to work as part of a new bench vice. What he determined after some tests was that the wooden screws were surprisingly strong and technically quite interesting. His talk will include the methods he used to make the large diameter screws and the more challenging problem of how do you make the matching nuts. He will discuss the results of his strength measurements and how they compare with steel screws in similar applications. There is a difference in the behavior of a wooden and a metal screw. He did quite a bit of research in the literature regarding wooden screws and has found very little information; especially missing were the mechanical properties and strengths of various wood screw designs. Over the years he has made and broken hundreds of nut/screw assemblies trying to put together a coherent story about their properties. He was and you too will be surprised at how remarkably strong a wood screw can be.

*Bob*

## April Presentation



### Review: Tracy Gray and Her Logs

Tracy is Great! A woman who has BIG power tools and ain't afraid to use them. What could be better!

We've all seen the mystical log furniture and maybe even tried to make some. Tracy came in and showed how EASY it really was. Granted, she had a couple of very specific tools for the tenons required in making the joinery work best, but you can get creative and work around those too. If you want to make a lot of furniture, or just get some new toys, then by all means go out and get a tenon cutter and a matching forstner bit, mount them on your trusty hammer drill and you're set to make anything out of logs. Tracy made the base of a small table in a matter of minutes out of some logs that she had prepped beforehand with her trusty drawknife to remove the bark and smooth them a bit. All in all it was a very straightforward technique that can be adapted to any type of furniture that you envision can be made from your tree trimmings. Seriously how much fun is it to get FREE wood and make something from it without having to worry about how straight or flat it is!

Tracy presented all of her ideas very well. She is after all a regular instructor at Rockler and has spent many years in woodworking herself. She currently spends most of her time building custom cabinets, which is a subject we will be bringing her in for later.

*Frederick R. Matzen*

## April Mini-Demo

Bob Beason showed us that there are multiple ways to join pieces of wood. Over the past few years, he has been saving samples of different types of joints. Whenever he has a project to do, he can revisit the samples to see which joint fits the job. These joints were broken down into the following categories:

### Corner Joints

- Box Joint 1/2" and 1/4"
- 45degree miter
- Lock Miter for corners and legs
- Dove tail - through and blind
- Compound overlap
- Spline Joint
- Mortise and tenon



### End Grain

- Finger joint

### Edge Joining

- Tongue and groove
- Reversible Bead and Cove
- Dowel
- Biscuit

## Food Drive

"The Gathering Place" is one of the organizations CWG provides with toys during Christmas. The Gathering Place supports homeless women with daycare and resources for self-sufficiency. For the next few months we will be asking for your donations of non-perishable food items (i.e. canned tuna, canned vegetables, soups, mac&cheese, etc.). Just bring these items to the meetings and they will be transported to the center to replenish their diminishing supplies.

*Paul Seipel*

## May Mini-Demo

At our meeting on May 19th the mini demo will be given by Wally Orbach of Vexor Custom Woodworking Tools.

Vexor Custom Woodworking Tools specializes in a wide variety of tools to support the needs of the woodworking industry.

Since its beginning in the early 1980's, Vexor's services have greatly expanded to provide easy solutions to the needs associated with the woodworking industry. In addition, as the company's services have expanded, so has the attention to detail and perfection. Vexor's main priority is to provide tooling that works within the most precise tolerances, therefore providing the customer with the highest quality tooling available.

When Wally Orbach started Vexor in 1984, he saw the problem many woodworking companies were having trying to locate and maintain quality tools. He immediately set out to provide services to solve this problem, using the experience and knowledge he had gained from nearly 20 years in the tool manufacturing business.

In 1966 Wally began his career in the tooling industry with an apprenticeship at Fred M. Velepec Co. Here he was in charge of the production of router bits and shaper cutters. After becoming a journeyman tool maker, he went on to work for a number of reputable companies making a variety of different tools. This list includes Coors Ceramics and Rocky Flats, among others. These companies laid the foundation for the experience necessary to manufacture the custom tooling Vexor produces today.

Then in 1984, Wally purchased Precise Saw Works, a small business that provided saw blade sharpening. From there Walter changed the company name to Vexor, and began manufacturing a variety of different types of precision tooling. Today Vexor has grown exponentially, however the emphasis on product quality and reliability is still the main focus. This determination, combined with Vexor's knowledgeable expert staff, and the ability to cater to the customer's needs make Vexor the main source for custom cutting tools for the woodworking industry.

<http://www.vexorcwt.com/>

*Bob*

## "Special" May Show and Tell

At the May meeting of the Guild the featured show and tell for the month is antique tools. Bring your favorite antique tools to the meeting and share some of the rich woodworking tool history. Planes, chisels, measuring instruments, supplies, saws, and any other antique item that you have in the shop are all possible entry items.

It is always interesting to learn of the methods used to create moldings and complex joints without all the power tools of today. Of course the regular show and tell of items crafted by guild members will be part of the meeting as well.

*Bob*



## April Show & Tell

The winner of a \$25 gift certificate to Rocklers is none other than Jeff Herring with this amazing piece of intarsia.



## June 13 - Special Presentation

The Colorado Woodworkers Guild and Rocklers are pleased to sponsor a master class in Greene and Greene furniture conducted by Darrell Peart who is the author of the Book "Greene and Greene Design Elements for the Workshop". Darrell Peart was born in Wenatchee Washington (1950) and currently resides in Seattle Washington with his wife Terry. He has three children and five grandchildren.



Darrell started his career making and selling small wooden items at Seattle's Pike Place Market. To broaden his experience, he then worked for many years in various high-end custom shops throughout the Puget Sound area gaining an extensive background in both commercial and custom furniture making.

In 1989 he discovered the American Arts & Crafts Movement and in succession was captivated by the works of Charles and Henry Greene.

Although Greene & Greene is Darrell's primary inspiration, James Krenov, Thomas Chippendale, and Gothic furniture have also influenced him in one way or another.



He has written for Home Furniture, Today's Woodworker, Fine Woodworking, Woodwork, Popular Woodworking and Style 1900 magazines. His first book, "Greene and Greene: Design Elements for the Workshop" was published in April 2006 by Linden Press. His work has appeared in various galleries; has been featured in both local and national newspapers, magazines,

and books; and in private collections throughout the US.

The class begins at 9:00 on June 13th at Rocklers on South Colorado Boulevard and it expected to run until 4:30 with an hour and a half for lunch. Darrell will begin with a slide presentation of Greene and Greene design concepts and move to practical methods of implementing the designs in the workshop. His web site is [furnituremaker.com](http://furnituremaker.com).

The price for the class is \$20 for non members and \$10 for members.

*Bob*

## Membership Cards

If you have renewed your membership or recently joined and have not gotten your membership card, please inform Lindy Baer (our new treasurer). During the transition period, a few of the duties fell through the cracks. Thank you for your patience.

## Membership dues going up for hardcopy recipients

If you are receiving this newsletter via the US Post Office (in other words a hardcopy), your membership dues will be increased to \$40/year when you renew your membership. The cost of sending a hardcopy is reaching \$1.50 per newsletter (a possible \$18/year). The cost is based on materials, copying and postage. So if you have an email address, please notify us at:

[Newsletter@coloradowoodworkersguild.org](mailto:Newsletter@coloradowoodworkersguild.org)

This also applies to those that have changed email addresses and have not informed us of the new one. For those receiving electronic versions of the newsletter, your membership will remain at \$30/year. Other advantages to the electronic version:

- Colored pictures
- Hyperlinks to woodworking websites, forums, merchants, etc.
- Save a tree (for woodworking)

## Contemporary Furniture Design

### Metro College of Denver

Current students, recent graduates, and faculty from the Metropolitan State College of Denver Industrial Design program will show off their furniture design and fabrication skills. Accompanying sketches, models, and renderings will delineate the design process for the selected works. The furniture pieces will represent responses to both strict industrial design, design for manufacturing considerations and pieces more appropriate for "Studio Furniture". Free Reception June 26th 5 to 7 pm. The show will run until August 7th in the Mezzanine Gallery located at 470 S. Allison Parkway, Lakewood ( Just west of Wadsworth and south of Alameda).

## GUILD MEMBER DISCOUNTS

### 20% off at :

#### The Hardwood Emporium

16043 W. 4th Ave., Golden CO. 80401  
303-277-1488

### 10% off at:

#### Abilene Awards & Logos

[www.AbileneAwards.com](http://www.AbileneAwards.com)

1730 S. Abilene, Aurora, CO 80012  
303-755-0337

#### Centennial Wood Co.

2775 W. 7th Ave, Denver, CO.  
303-778-6209

**NOW OPEN on Saturdays starting Feb. 21st**  
**Hours: 8AM to 2PM**

#### Charlie's Secondhand Store

2227 Larimer St., Denver, CO.  
303-295-1781

#### Paxton

[www.PaxtonWood.com](http://www.PaxtonWood.com)

4837 Jackson St., Denver, CO.  
303-399-6047

#### Rockler Woodworking and Hardware

[www.rockler.com](http://www.rockler.com)

2553 S. Colorado Blvd., Denver, CO.  
303-782-0588

#### TC Woods

[www.TCWoods.com](http://www.TCWoods.com)

9776 Arapahoe Rd., Lafayette, CO.  
303-494-0425

#### Woodcraft

[www.Woodcraft.com](http://www.Woodcraft.com)

**New Location!**

**6770 S. Peoria St. Centennial, CO 80112**  
303-290-0007

### Offers Contractor Discount (roughly 20%)

#### Austin Hardwoods

[www.AustinHardwoods.com](http://www.AustinHardwoods.com)

975 W. Mississippi, Denver, CO.  
303-733-1292

## WOOD OF THE MONTH - March

### Paxton

4/4 FAS 9" & Wider Red Oak - \$1.99/BF

4/4 Sel & Btr Wide Widths Hard Maple 3.49/BF

### Centennial Wood

4/4 FAS Ash \$2.17/BF

4/4 FAS Red Oak \$1.90/BF

4/4 Hickory \$1.79/BF

### Hardwood Emporium

4/4 Birds Eye Maple \$8.99/BF

4/4 Curly Maple \$5.99/BF

4/4 Curly Red Oak \$3.99/BF

## WoodCraft

### Powermatic and Jet on Sale!

WoodCraft is having a GRAND 20% off sale on Powermatic and Jet power tools May 15-16. BUT, they are offering those savings NOW to all CWG members. The sale ends May 16th but at 20% off these great machines is a whale of a deal!

## Tool King

Tool King is offering Guild members a 5% discount on all products\* (except shop machinery). Just show your membership card at the time of checkout. Tool King is located at 11111 W. 6th Ave. (On the frontage road between Kipling and Simms).

\*Valid for in-store purchases only. Discount cannot be applied towards the purchase of FESTOOL items. Cannot be combined with any other offers. Tool King reserves the right to terminate this offer at any time.

For questions, call Rick Peil at 303-963-4500 X202

## Shop Space for Rent

Professional woodworker with 8 years experience looking for part-time woodworker to share 1500-2100 s.f. shop space located 2 blocks from Austin Hardwoods. 600 s.f. is office/gallery space, rest is shop. Fully equipped shop with 14' garage door, off-street parking and more.

Rent: Negotiable, depending on arrangement.  
Please call Cliff Whitehouse: (303)910-0921  
or email: [cliff@bernwoodcustom.com](mailto:cliff@bernwoodcustom.com)

## CWG builds a puppet theater

Bill Huffer and Paul Seipel were contracted by The Gathering Place, one of the groups we give toys to at Christmas time. The Gathering Place is a non-profit day care for homeless children.

They wondered if we would be interested in building a Puppet Theater. We discussed it and said sure, why not. Who can turn down a chance to make some kids happy. So Bill and Paul built the frame and set up the hinges. I did all the paint and trim, my wife and I did the curtains. The hardest part was keeping my kids from playing with it! So I had to promise to build one for them someday...



## Free Wood for Toys

Mark Klosky wood available for use on the Christmas Toys Program. Please contact him or Bill Huffers about getting some for your toy project.

Mark Klosky - (303) 722-9712 or (303) 906-1197

Do You have an adaptation, original project idea , technique or jig you want to share?

Send a rough draft or finished article to:  
[newsletter@coloradowoodworkersguild.org](mailto:newsletter@coloradowoodworkersguild.org) for possible inclusion in one of our newsletters.

## Web Resources

[www.hardwaresource.com](http://www.hardwaresource.com)

Hinges, Hinges and more hinges

[www.woodbin.com/calcs/shrinkulator.htm](http://www.woodbin.com/calcs/shrinkulator.htm)

Wood shrinkage calculator

[www.sawdustmaking.com](http://www.sawdustmaking.com) - Lots of info and links

[www.blocklayer.com/woodjoints/dovetaileng.aspx](http://www.blocklayer.com/woodjoints/dovetaileng.aspx)

Dovetail template generator. There's also Japanese Twisted and Radial dovetail templates.

<http://draw.labs.autodesk.com/ADDdraw/draw.html>

Project Draw - Free online drafting software. Its easy to use, very much like putting pencil to paper.

<http://www.sketchup.com/> - Google's Sketchup if you want something a little more 3D. They have a FREE version as well as a Pro version.

<http://lumberjocks.com> - Hundreds of projects submitted by members, Forums, Blogs, Videos and more

<http://www.artfulhome.com/> - Fine art pieces



## Contact Us

**Colorado Woodworkers Guild**

P.O. Box 100996

Denver, CO 80250-0996

**Phone:** 303-523-8960

### E-mail:

General Questions or suggestions - [Postmaster@coloradowoodworkersguild.org](mailto:Postmaster@coloradowoodworkersguild.org)

Submit Articles or Information to the newsletter - [Newsletter@coloradowoodworkersguild.org](mailto:Newsletter@coloradowoodworkersguild.org)

Questions or suggestions for demos, programs or articles - [Programs@coloradowoodworkersguild.org](mailto:Programs@coloradowoodworkersguild.org)

Web site: [www.ColoradoWoodworkersGuild.org](http://www.ColoradoWoodworkersGuild.org)

Yahoo Forum: <http://Groups.Yahoo.com/group/ColoradoWoodworkersGuild>

(YAHOO ID and acceptance into this group is required)



# WONDERFUL WORLD OF WOOD

VOLUME II ARTICLE I

BY ED HERST



This is Angel Oak, Charleston, SC.  
(<http://www.angeloaktree.org/history.htm>)  
17,000 sq. ft. of shade!

## Quercus virginiana - Live Oak

The genus name Quercus is from the Latin word for oak which is derived from the Celtic word for "fine tree" The specific epithet, virginiana means "from Virginia" All Oaks are in the Beech family.

## COMMON NAMES:

Live oak, Virginia oak, Virginia live oak, southern live oak, sand live oak, scrub live oak, Texas live oak, dwarf live oak, encino, and rolf's oak When sold commercially it is simply one of the White Oaks. Virginia live oak

## Did Ya Know?

The USS Constitution was constructed from Southern live oak. The wood was harvested from St. Simons Island, Georgia, and the density of the wood grain allowed it to survive cannon balls. That's how the ship got its nickname of "Old Ironsides"; even today the U.S. Navy owns extensive live oak tracts

The early Native Americans used to extract an oil from its sweet acorns that was something akin to modern day olive oil.

Ancient Pagans believe that because of its deep roots the oak symbolizes a god whose law extends to heaven, earth, and the underworld and that a decoction of wood ashes placed on the tongue would cleanse the body and strengthen a marriage.

## Just The Facts...

Oaks trees are grouped into three categories. White Oaks, Red Oaks, and Evergreen Oaks. Live Oak remains foliated nearly year-round, dropping its leaves and regenerating new growth within a few weeks during spring. Therefore it is considered as an Evergreen Oak. (Continued on next column)

## Just The Facts... (continued)

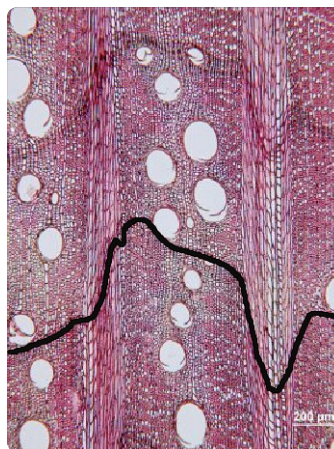
Its average Specific Gravity is .80 That works out to 64 pounds per cubic foot.

Live Oak is found in the lower Coastal Plain of the Southeastern United States from southeastern Virginia south to Georgia and Florida including the Florida Keys; west to southern and central Texas with scattered populations in southwestern Oklahoma and the mountains of northeastern Mexico

Mostly used today as an ornamental though also used for fence posts, structural timbers, firewood and some ship building.

The Live Oak Society ([http://www.louisianagardenclubs.org/live\\_oak\\_society/about.html](http://www.louisianagardenclubs.org/live_oak_society/about.html) which has a registry of 5958 trees in 14 states) states that the largest certified Oak tree is one named "The Seven Sisters Oak" in Lewisburg, Mandeville, Louisiana. It measures 11.27 meters (37 feet and 2 inches) in circumference with a crown spread of 45.72 meters (150 feet) and stands 70 feet high.

It is often found with Spanish moss hanging off of it.



End grain. Notice how the growth rings are not straight. I've darkened the lower ring. The upper one is untouched. The tree does not grow in a round shape. The shape is called "fluted"

## Not yet a Member?

We invite you to join now. Here are some of the benefits of becoming a member:

**Monthly Guild Meetings** -- Here woodworkers from novices to highly skilled craftsmen can meet, network, solicit advice, share ideas, and learn

**Annual Craftsman Show** -- The woodworkers' showcase! A world-class exhibit featuring pieces created by our diverse and talented guild members

**Christmas Toys Program** -- A great opportunity for novices to work side-by-side with and learn from experienced craftsmen, and in the process create fabulous toys for underprivileged children

**Field Trips** -- To local lumber yards, mills and workshops

**Monthly Newsletter** -- That includes meeting announcements, free classified ads and much, more...

Membership in the Colorado Woodworkers Guild is \$30 per year PER FAMILY for those with email, \$40 for hardcopy delivery.

## Board Members

President: Fred Matzen	303-523-8960
<a href="mailto:frederickrm@gmail.com">frederickrm@gmail.com</a>	
Vice-President: Robert Beason	303-682-0575
<a href="mailto:rbeason@rbeason.com">rbeason@rbeason.com</a>	
Treasurer: Lindy Baer	
<a href="mailto:clhbaer@earthnet.net">clhbaer@earthnet.net</a>	
Secretary: Cal Noguchi	303-902-8134
<a href="mailto:cbnoguchi@msn.com">cbnoguchi@msn.com</a>	
Committees at Large:	
Ron Vanous	303-842-9761
<a href="mailto:rvanous@comcast.net">rvanous@comcast.net</a>	
Bill Hoppers	303-424-6052
Webmaster: Fred Matzen	
Christmas Toy Program: Bill Huffer	303-283-8982
Membership Coordinator: Ron Vanous	303-988-6047
Yahoo Group Moderator: Carl Beck	
<a href="mailto:carl@carlbeck.com">carl@carlbeck.com</a>	

## Monthly Board Meeting

The CWG Board Meeting is held on the forth Tuesday of each month at 6 p.m. The meeting is open to all members. If you have suggestions on speakers, topics, events or activities, please feel free to contact any Board Member or attend the Board meeting. If you plan on attending a meeting, please RSVP to one of the board members because the venue changes and meetings have been cancelled at the last minute.

Mail this Application and a check to:

Colorado Woodworkers Guild  
P.O.Box 100996  
Denver, CO 80250-0996

Email members - \$30.00/year

Non-email members - \$40.00/year\*

Name \_\_\_\_\_ circle one (New) (Renew)

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ E-mail \_\_\_\_\_

\* Non-email members pay more due to the cost of materials, copying and postage



