

Rocky Mountain Woodturners

A Chapter of the American Association of Woodturners

June 2001 Newsletter

Vol. 7 - No. 6

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June Events Calendar

June 7, 8, 9	Utah Woodturning Symposium - Provo Provo, Utah
June 14	Pete Holtus: Baby Rattles and CD Tops
July 6-8	AAW Symposium -St. Paul
July 12	Alan Batty from Derbyshire, England There will be a \$10.00 charge at the door.
August 9	TBA
September 6	David Ellsworth: from Quakertown, PA There will be a \$10.00 charge at the door. Meeting may be at the Chilson Center due to attendance. This program is open to all turners, he is only doing 1 demo while in the area.
September 15 & 16	Colorado Carvers Club Golden for info call (303) 933-8651
September 29	2001 RMWT Symposium
October 4	TBA Nomination of 2002 officers
November 8	Dr. Lee Carter Perforated hollow forms
December 7	Christmas Party
January 3	TBA

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JUNE MEETING

Thursday – June 14 PM
Industrial Science Building
Room 105
Colorado State University
Ft. Collins, CO
Officers meeting beginning at 5:30
at the downtown Perkins

- Agenda:**
- Announcements
 - Show and tell & Challenge
 - Wood raffle
 - Break
 - Demo

Demo:
Pete Holtus
Baby Rattles and C D Tops

MAY MEETING MINUTES

Nancy Quick-Brewer

New Members and Visitors: This month we had 6 visitors. They are Tom Manus of Ft. Collins, Bill Magill of Ft. Collins, Kyle Long of Ft. Collins, Lee Whiteside of Loveland, Leslie Joy of Berthoud and 9 year old Eric Kuzmack of LaPorte, I hear Eric is a pretty fair turner already! We also have 1 new member!. Our membership count is now up to 82, as Leslie joined our club the following Saturday at the all day demo that Giulio put on.

Business & Announcements: Congratulations goes out to Allan Jenson for being selected for an educational grant. Allan was awarded \$90.00 to attend an all day workshop with David Ellsworth in September.

All current member's nametags and library cards are ready. If you don't have yours, be sure and pick it up at the next meeting. You will need to have your library card before checking anything out of the library.

Please be sure you take note of the meeting date changes for June and July due to the Provo and AAW symposiums.

Please keep in mind at the end of each meeting, we must leave the meeting room as clean as it was when we enter it, so if you could properly dispose of your pop cans, and maybe hang out for a few minutes to help make sure chairs and tables are put back as they should be, all the shavings are swept up, and disposed of and the lathe and library cabinet are returned it would be much appreciated. The same people should not have to keep doing it month after month.

Treasure's Report: Mike O'Dell reports that as of 4/5/01 the balance in the RMWT's treasury is \$3,950.76

Committee Reports: The AAW Challenge is completed. As some of the beads were just tossed on the show and tell table in little bags without names, I am not quite sure of who made beads other than a few of you. If you would let me know I would appreciate it so we can get the name plaque made for the stand.

MAY MEETING MINUTES (cont.)

Shop Tours: Sad to say, none are scheduled at this time. Any volunteers for after the Provo symposium?

A Special Thank You: A big thank you goes out to Wayne Van Every for seeing that Giulio got to all of his demo's and workshops each day and on time! Thanks Wayne, you are a great asset to the Rocky Mountain Woodturners!

Provo: The Provo symposium is only days away! The great Craft Supply Sale Day is Wednesday June 6 and check in for the symposium is that evening from 6:00 – 8:00 p.m., if you don't happen to be able to get your registration info picked up the evening of the 6th you may do it between 8:00 and 9:00 the morning of the 7th. The symposium begins on Thursday June 7th at 9:15 and runs through Saturday June 9th. I hope to see all of you there! Believe me, once you have been there, you'll begin planning on going next year while you are still on your way home from this one!

AAW: The 15th annual AAW National symposium is being held at the River Centre Convention Center in St. Paul, MN and is open to anyone with an interest in woodturning. Thursday July 5 from 3:00 p.m. to 7:00 p.m. is the main registration, demonstrations will begin Friday morning July 6th and run through 3:15 p.m. Sunday July 8th.

RMWT Symposium: The 3rd annual symposium for the Rocky Mountain Woodturners based in Fort Collins, CO will be held September 29th at the Chilson Center on 4th St. in Loveland, CO. This is a great one day symposium!

Show and Tell: I apologize for no photo's of April's show and tell, but as soon as the meeting was over, everyone picked theirs up and off they went, leaving no time for a photo with all of the beautiful turnings there.

June Challenge: Goblets

Challenge Winner: Duane Fisher walked away with the \$15.00 gift certificate this month for use at Loren's Wood Emporium in Loveland.

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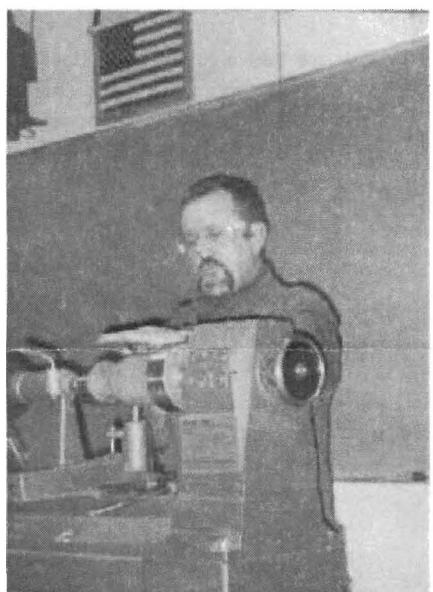
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MAY MEETING MINUTES (cont.)

Demo: The May demo was done by our good friend Giulio Marcolongo of Wontaggi Victoria, Australia. Giulio began turning in 1995, strictly as a hobby. He like most woodturners also has a full time job.



Guilio beginning his demo of a sugar bowl.



Some form of the sugar bowl beginning to show.

MAY MEETING MINUTES (cont.)



The finished project, which Giulio gave to Dr. Lee Carter as a memento.

Show and Tell: Well, I was a bit luckier this month, and was able to catch a few nice pieces remaining on the tables just a couple minutes after the meeting and wonderful demo. So here's sharing with you.



FUND RAISERS

Nancy Quick-Brewer

We are always looking for any good ideas for fund raisers! If you have any thoughts on this, please contact one of the committee members, Wayne Van Every or Nancy Quick-Brewer at 970/392-9035, or email us at woodturns@aol.com or Vaneasy200@aol.com

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SHOP TOURS

Nancy Quick-Brewer

We need volunteers for shop tours, if you would like to do so, please contact Wayne or Nancy at 970/392-9035, and send a date and map to Nancy. This is quite a learning experience for everyone as I can tell you that after each shop tour that has previously been held, there are at least a few who have said they learned a new trick or gotten a new idea at the last shop tour. Also if you'd like to try out a Oneway, please just let Wayne or Nancy know.

The following are a few of shots taken at the recent shop tour at Nancy's



Dale and Wayne hamming it up while some are hard at work getting some extra pointers from Giulio at the lathe.



Here are two of the wives who accompanied their husbands to the shop tour, Mrs. Bill Hall on the left and Mrs. Dick Moody on the right. I guess the others were in the back yard relaxing, or some hadn't arrived yet, maybe they were just camera shy.

SHOP TOURS (cont.)



Looks like when Wayne started throwing his cannon, Giulio and Dale weren't taking any chances, but David Gillespie was there to catch part of it! Thanks David.

There was a lot of food and people I didn't get on film for which I apologize, but one thing I really must apologize for missing is the looks on David Nittmann and David Gillespie's faces when someone sabotaged the Oneway for them! Hmm anyone that was there have any idea who might have done such a thing? Wayne had moved a hollow form they were working on from over the bed to the outboard side of the headstock, and forgot to reverse the lathe. The tool stopped working after that. I still smile about that when the thought crosses my mind. The look on those two guys faces was priceless!

All in all, I'd say we had a pretty good day, the weather even cooperated with us, and I hope no one went away hungry! I believe we had somewhere around 35 people show up, some even from Denver. Thanks to all of you who took time to come. We enjoyed having you!

JUST A BIT OF ADVICE

Nancy Quick-Brewer



Here John Lynch and Doc Thode offer Giulio a bit of advice on his turning technique while attending the workshop at Dr. Lee Carter's Rocky Mountain School of Woodturning.

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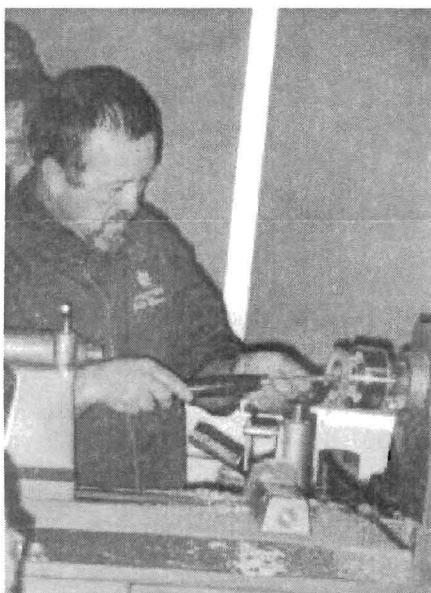
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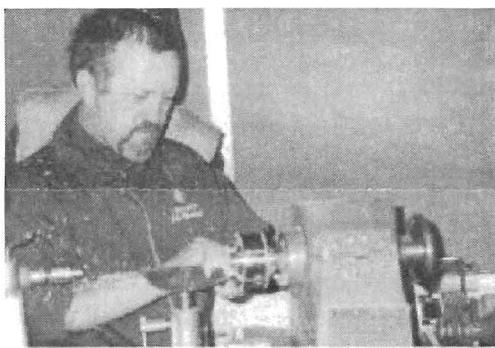
Saturday's All Day Demo

Nancy Quick-Brewer

The day was quite chilly and damp outside, but inside the Industrial Science room at CSU, the air was filled with the aroma of wood being turned and Giulio's voice telling those attending how he was turning such things as a sock darning mushroom, which Jill Rice of Bailey, CO proudly took home safely in her purse. I can't say as I blame you Jill, it turned out very nice when finished!



Then there was the top that he turned who Giulio's faithful assistant of the day Leslie Rice proudly placed in his jacket pocket before leaving.



If you look over Giulio's shoulder in the top photo, you can get a glimpse of Leslie keeping a close eye on what is taking place in each step, and ready to hand Giulio any tool at anytime.

I don't know who got the honor of taking home the leg with the crooked foot, but whoever it was got a prized piece there. I guess you'd have just had to have seen it!



Guilio says that one of his turning buddies from back home in Australia told him that to keep better track of his sand paper, to tear it off in strips and write thee grit on each piece with a black marker, punch a hole in the sandpaper, and stick a twist tie through it and it is all there right together...no more looking to see where t is, or where he laid the grit he had in his hand just a moment before, so as I understand it, this is how the "rippin' good idea" came about.

Guilio wanted me to thank those from the RMWT's and the FRWT's who attended. He said he truly enjoyed himself and hoped that you all did too.

WOOD RAFFLE

Nancy Quick-Brewer

Have a piece of wood, a bottle of glue, a chuck, jaws, anything you want to rid your over burdened workshop of? Bring it to the meeting and put it on our raffle table. and remember your donations help out your club!

NEWSLETTER DEADLINE

Nancy Quick- Brewer

The deadline for submitting articles and information for the Rocky Mountain Woodturners newsletter is the 20th of each month.

LIBRARY & VIDEO NOTICE

Nancy Quick- Brewer

Please check your shelves for any books or videos belonging to the RMWT library. If you haven't please do, so others may read and view them.

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BRING A GUEST TO THE MEETING

Nancy Quick-Brewer

If you bring a guest, be sure that they fill out an information form and leave it with Nancy Quick-Brewer so they can receive their complimentary copies of the newsletter. As you know, without their names and addresses, I can't send them a newsletter!

THE INTERNET

Nancy Quick-Brewer

Be sure you check out the Rocky Mountain Woodturners Web site! Bruno has been doing a fantastic job adding new things for us!

<http://www.verinet.com/~drmelli/rmw.html>

Other sites to check out:

<http://www.woodturns.com>

<http://www.vicnet.au/~pwg guild>

www.a1 studio.freeserve.co.uk./wtintro.html

MEMBER INFO EXCHANGE

Nancy Quick-Brewer

Wanted: Looking to buy a used Stewart system or parts for one. Please contact Chuck Kubin @ (303) 733-0254.

For Sale: Mark V Shop Smith Model 510 lathe, parts & access faceplate, drive ctr. tail stock ctr., $\frac{1}{2}$ " & $\frac{3}{8}$ " gouges, skew, parting tool, 4" jointer, jig saw, $\frac{1}{2}$ " drill chuck, miter gauge, biscuit jointer & guards, $\frac{5}{8}$ " molder/dado arbor and bits. Mortising tenon chisel & guards, 10" sanding disc, 10" carbide saw blade & all guards & instruction manuals. Call Louis Zutman (303) 451-1626.

For Sale: Delta Model 46-701 12" variable speed lathe with stand. Cost \$550.00 new in '97. Will sell for \$225.00 or best offer! Some extra's available. Call Ron Bentall @ (303) 322-8272 evenings before 9:30.

For Sale: Walnut bowl blanks...4" thick by 8" square, sealed \$10.00 ea. Also ash blanks and other wood coming available. Call Dennis Korth @ (719) 634-1260

For Sale: 1" belt sander, used little. Includes 32 belts of various grits and leather strap. \$75.00 takes all. Call Steve DeJong (719) 597-2104

MEMBER INFO EXCHANGE (cont.)

For Sale: Deep hollowing tools. Call Dick Breckon evenings or weekends @ (719) 597-9718

For Sale: Ritter 4x132 edge sander \$1,200.00, 6x8 belt sander w/4"x13" buffing wheel \$500.00, $\frac{1}{2}$ HP dust collector (good for a lathe) \$50.00. Call Cindy or Dave @ (303) 449-7170 anytime.

For Sale: Delta Rockwell Extra Heavy Duty Lathe, Call Rick @ (303)922-8244

For Sale: Jet JWL-1236 wood turning lathe. $\frac{3}{4}$ horsepower motor, 12" swing over the bed, 16" outboard capacity, 34 $\frac{1}{2}$ " between centers, ball bearing live center and 4 prong drive center. Other extras including steel stand. Selling all for \$450. Contact Allen Jenson @ (970) 663-1868.

For Sale: Power Matic Lathe 45 asking \$500.00. Contact George Adams @ (303) 452-5650

For Sale: Bowl Lathe: Large H.D. no tailstock. Call Dick @ (303) 841-1198

For Sale: Stewart style turning tools, custom machining and molding. Chuck Everitt 303/604-2186

CLUB INFORMATION

Nancy Quick-Brewer

Rocky Mountain Woodturners: Meetings held the first Thursday after the first Tuesday of the month, at 7:00 PM, at the Industrial Science Building Room 105 Colorado State University Ft. Collins, CO Phone (970) 392-9035 Pres. Dick Moody rmoody1266@aol.com Phone (307)632-4405

Front Range Woodturners: Meetings held the First Tuesday of every month. at 7:00 PM, Schlosser Tool 301 Bryant St. just West of I25 at (6th Ave. West) Denver, CO. Phone:(303)922-8244 Pres. Jerry Smith jerrysmith@qwest.com Phone: (303) 466-7912

Pikes Peak Woodturners: Meetings held the first Thursday of every month. at Woodcraft 5669 N. Academy (in Eridale Center) Colorado Springs, CO Time: 7:00 to 9:00 PM Phone: (719) 593-0641 Pres. Doug Ament Dament@idcomm.com Phone:(719)266-9889

Which Glue for What

By Jim Manley, Technical Editor

While researching my article on super glue I came across some info on many other types of adhesive used in woodworking. I was particularly interested in the history and the range of uses. To this end you have another article on glues but this time we will look at the uses in particular for the woodturner.

History: A Museum in England has examples from around 3300 years ago, of glued laminates used for carving on a sycamore baseboard. The same museum has examples of Egyptian and Chinese woodwork using Egg-yoke glue and tree resins to adhere pieces of wood together. It is noted in Medieval Britton that milk glue was used to adhere picture frames. This was the first of the casein resins. Other noted glues have been made from fish products, stag horn, cheese, milk curd and not forgetting the not so old animal glue. The advancement of glues remained more or less unchanged form these early times up to less than 50 years ago. The advent of WWII led to great shortages in many raw materials that were used in our traditional glues. Synthetic rubber was the first major leap forward and this spawned the new technology that led to synthetic adhesives.

Wood Glues: (The Technical Bit) Before we head off into listing glues and their uses I thought it might be pertinent to cover the ins and out of how glue bonds to wood. Currently there are about 1500 different adhesives in the market. Out of this list there are only a few that are suitable for wood. Wood is a complex mixture of cellulose, organic chemicals and water. Most of the actual structure of a tree is cellulose and this is formed by nature into an intricate matrix that gives it its strength, rigidity and its elasticity that we know. About 5% of the tree is made up of resins, tannins, essential oils, gums, colouring agents and sugars. It is this mixture of natural chemicals that gives the wood its smell, its colour and in some cases a resistance to rot. This 5% is also responsible for some woods like Totara, Matai, Teak and Mahogany not responding to some glues. Adhesives, (white glues in particular), when applied to the surfaces to be glued are first absorbed into the wood. The glue links to the structural fibres, keying into the areas that once carried the water. When the glue has been absorbed into the wood it quickly hardens and mechanically attaches itself to the wood. This action happens to both surfaces and the thin line of glue between the two pieces of wood forms a bridge that links the two together. Wood is a relatively weak material, and most wood glues will form a bond that is stronger than the wood itself, (if the natural chemicals in the wood don't interfere with the bond).

Which Glue for What (cont.)

Glue Types: Although your animal glues are still available and have a fairly reliable reputation they degrade over time and tend not to be water resistant. The trend these days is toward the modern chemical adhesives and these are what we will look at. There are only really two types of wood glue - Thermosetting and Thermoplastic. Thermosetting glues are your two pot types and they set by a chemical reaction when the two parts are mixed together, Epoxy is the most common. Thermoplastics are your white and aliphatic glues, these glues cure when the water that is present in the mixture has evaporated off.

Safety with Adhesives: Most of the adhesives we work with are generally safe once they are dry, however, be guided by the instructions on the container. There are some pit falls that need to be observed, uncured adhesive is mostly our problem. Harmful chemicals are quite often used to keep the mixture stable and in a liquid state. If you can smell the glue, especially if it's a strong solvent smell, then it's causing your respiratory system great harm. If the label says "Well Ventilated" then that's what it means - do this operation outside, there are others to think about as well as your self. Other way the chemicals cause us harm is when we come in contact with them and "poisons" are absorbed into our skin. Even PVA over time will cause dermatitis and other skin diseases. My advice is whenever you are handling adhesives, read the label very carefully and follow all the instructions. Wear the proper protection. Gloves, long sleeved overall, face shield and breathing mask as instructed. Remember your children/grandchildren and keep these nasty chemicals out of their reach. The last note is on formaldehyde adhesives. When these dry they still give off fumes for a considerable time. Formaldehyde glues are not the best for woodturners to use, leave these for the professional construction woodworkers.

A Note to the Novice PVA: Most woodworkers will tell you that the wood glue they use is aliphatic resin. For the novice there is an obvious difference from PVA. Aliphatic Resin has a distinct yellow tinge whereas PVA is creamy white. If you are new to the woodwork game and are buying wood glue buy aliphatic it is far stronger than PVA and more reliable.

The Needs of the Woodturner: I thought I would attack this section by looking at the needs of the woodturner and give a recommendation of the adhesive I use. The gluing needs of your average woodturner are not really that great. We probably only do a few jobs that require gluing wood-to-wood or wood to other materials. Those that come to mind are: Laminating, inlays and staving,

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Which Glue for What (cont.)

segmented turnings, inlays of organic and inorganic material, attaching legs, attaching waste blocks, crack repair and clock numbers.

Laminating: This is the act of joining two pieces of wood together to make a bigger piece. If the pieces that are being joined were for a clock or platter blanks, I would use aliphatic resin. If you wanted water resistance for say a salad bowl, then I would consider one of the thermosetting glues. I have used full strength Epoxy and this didn't undo when being washed.

Inlays and Staving: As Woodturners we tend to add inlays during turning or after the item is turned, for colour or texture changes. Although aliphatic resin will do the job, there is clamping and setting times to consider and I'm always in a hurry. I tend to use super glue for the small jobs and 5 minute Epoxy for the larger ones. For staving (barrel type joins around a circle), aliphatic does the job quite well.

Segmented Turnings: These have become quite popular just recently overseas. Because a segmented turning is built up as you go, you need a strong adhesive that dries relatively quickly so you can add each layer. Most people that I know that do these use 5-minute epoxy. When they need longer construction times 24 hour Epoxy is used.

Inlays of Organic and Inorganic Material: Paua shell, bone, greenstone, silver and brass come to mind here. Super glue or five minute epoxy are what I use for all of these. If there is a problem with metals and the wood being incompatible with the adhesive then I use Urethane Bond.

Attaching Legs: Legs onto a three legged table using dowels or a tenon. Aliphatic is fine for this job

Attaching Waste Blocks: I knew if I went through the list of jobs long enough I would find a job for the PVA. For waste blocks using a paper joint I use PVA. Its cheaper than aliphatic and it works very well in this application.

Crack Repair: The best medium for crack repair is super glue. For gap filling add fine sawdust of the same colour to it. For large gap-filling tasks use epoxy resin. Epoxy will take up to 5 times its own volume of saw dust and other materials and still retain 70% of its strength. I also add boot polish or soot to the mixture to colour the epoxy.

Which Glue for What (cont.)

Clock Numbers: I don't know if you have noticed but those self-adhesive clock numbers fall off after a few months in service. Just lately, on advice, I have been using aliphatic resin to aid their adherence. The best reason for using this is because any excess is easily wiped off and there is far more construction time available than there is with super glue.

Another Use for PVA: On occasion I need to cut a run of 3x3 or 4x4 for my classes and in the summer, Macrocarpa in particular has the habit of cracking on the end grain even when it is dry. To thwart this I paint the ends with PVA. I find this better as the students can still put on pencil marks with the PVA, but it is nigh on impossible write on the wax surface of Moblecer sealer.

Brands and Trade Names: Without name-dropping too much you might like some brand names to look for in the Hardware Shop. Aliphatic Resin can be asked for by name. Construction grades are available from trade's suppliers.

PVA: Hardware shops have PVA. Be careful not to buy the watered down version used by schools.

Epoxy: 5 minute or super strength is best bought for casual use in the two-cylinder syringes. Epoxy has short a shelf life and strength drops off and setting times increase with age. Unless you use a large amount just get enough for the job. Sellys, Expandise or any bodies Epoxy Resin will do. Remember 5 minute is not as strong as 24-hour cure. Urethane Bond - This is a Selly's product I don't know who else makes it.

Some Other Glues Worth Having: Bear disc Cement - An aerosol adhesive that is magic for attaching sandpaper to sanding discs. Ados F2 - Great for attaching Velcro to sanding discs. Hot Melt - For use with anything that needs to come off later.

I hope this is some help to those starting out in turning and the old hands might find something in here for them.

This article gratefully borrowed from the NZ Woodturners for use in the Rocky Mountain Woodturner's newsletter. Thank you Simon.