



# High Desert Turning

Calendar Year Membership: \$25 individual, \$30 family Contact Hart Guenther

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## OFFICERS, DIRECTORS, & COMMITTEES FOR 2013

<b>President:</b>	<b>Ron Bahm</b>	<b>881-8845</b>	<b>Newsletter:</b>	<b>Roger Umer</b>	<b>249-0444</b>
<b>Vice President:</b>	<b>Bill Mantelli</b>	<b>298-2603</b>	<b>Photographer:</b>	<b>Bill Kalb</b>	<b>771-1376</b>
<b>Treasurer:</b>	<b>Hart Guenther</b>	<b>275-3142</b>	<b>Raffle:</b>	<b>OPEN</b>	
<b>Secretary:</b>	<b>Jim Griffin</b>	<b>891-4144</b>	<b>Librarian:</b>	<b>Pat Beatty</b>	<b>710-2497</b>
<b>State Fair:</b>	<b>Jim Breeden</b>	<b>352-0159</b>	<b>Equip/Workshops:</b>	<b>John Ellis</b>	<b>771-1773</b>
<b>Webmaster</b>	<b>Dave Stein</b>	<b>266-0356</b>	<b>Green Wood-ABQ:</b>	<b>Greg Hoefler</b>	<b>228-1606</b>
<b>Logistics:</b>	<b>Gale Greenwood</b>	<b>256-1379</b>	<b>Green Wood SF:</b>	<b>Eric Hester</b>	<b>816-509-1333</b>
<b>Lead Video:</b>	<b>Hy Tran</b>	<b>844-5417</b>	<b>Assistant Video:</b>	<b>Derek Roff</b>	<b>438-1820</b>

### Next Regular NMWT Meeting:

**April 6, 2013**  
**9:00 A.M. to Noon**

### Bill Zerby: Tool Sharpening

Exotic woods? Expensive lathes? Passion for perfection? They don't mean a thing if you ain't got... sharp tools. Take a lesson from the Sultan of Sharp, the Guru of Grit, the Honcho of Hone, and our own Master of Metallurgy. If you don't know Bill Zerby, where you been?

Join Bill to ponder those eternal woodturner's questions: "Does happiness come from sharpiness?" and, if so, "How do I get my tools really sharp? You just might get a glimpse of sharpening bliss with this million dollar opportunity for only the cost of admission -- free!"

### New Open Position on Board

Jim Breeden has accepted the position of State Fair coordinator on the board. His prior position of Raffle coordinator is now open. If you would consider this post, please contact a current board member, listed above.

### Future Programs/ Activities

Apr 06	<b>Tool Sharpening</b>
May 04	<b>Toxic Woods / Shop Safety</b>
March 2014	<b>Jimmy Clewes</b>

### 2013 Dues

**Per the membership policy published in August 2012 newsletter, if dues are not paid by March 31st will result in those members being dropped from the Chapter.**

**If you wish to mail them to him, send to:**

**Hart J. Guenther**  
**2300 Punta De Vista Dr NE**  
**Albuquerque, NM 87112-2512**

### President's Corner

This year has really started out with excellent presentations at our meetings. The information shared by Ralph Watts, Jim Preston, and Ron

Phillips has been outstanding. These are our members and all of us benefit from their expertise.

Bill Zerby is presenting sharpening on April 6 and Bill's style always keeps you informed and entertained. Years ago, I thought I was turning wood BUT then I took a sharpening class from Bill and my turning skills changed dramatically. Anyone interested in woodturning needs to learn from Bill's years of experience. You will not only learn how to sharpen but you will learn about metallurgy that answers many questions.

The next regional symposium is at Provo, Utah May 16-18. [www.woodturnerscatalog.com](http://www.woodturnerscatalog.com) has specifics. Several of our members have been there so talk to them. This is the oldest woodturning symposium, even older than AAW's.

The Southwest Association of Turners (SWAT) will have a symposium at Waco, Texas on August 22-25. Several of us have been there and highly recommend this event. Go to: [www.swaturners.org](http://www.swaturners.org) for specifics.

I am a strong advocate of woodturning events, so if you have questions – just grab me.

Keep the chips flying!

Ron Bahm

## *February 02 Program Summary*

### **Jim Preston – Metal Leafing**

Jim gave a comprehensive presentation on applying metal leaf to turned vessels and adding color and interest to the metal leaf surface using an acid treatment known as "patination." He didn't do any turning, focusing instead on detailed demonstrations of surface preparation, base coatings, adhesives, applying leaf, treatments, and final finishing. He passed around numerous samples of those processes.

98% of his work is segmented turning, even if it will be 100% covered with metal or other surface treatment. Jim uses primarily copper leaf. Other metals available include silver, brass, Dutch gold and gold. Metal leaf is

extremely thin (thousandths of an inch), fragile, and can be difficult to handle.

Surface Preparation: Sand to 220 grit before applying metal leaf or other texturing techniques. Frequently wipe the prepared surface with tack cloth to keep it clean. As a base coat, he uses black gesso (a form of acrylic paint). After brushing it on, go back and "stipple" surface with fairly dry brush to eliminate brushmarks. Use two coats of gesso, dry overnight, then lightly sand - essentially wipe - with 1500 grit wet/dry sandpaper. The black color provides a background to the leaf and a smooth, flexible surface for the sizing adhesive.

Use of Sizing: Sizing is an adhesive for attaching the leaf, available in oil or water base. Oil is more durable. Main concern is working time, which essentially equals tack time. Apply and wait until it comes "to tack," becoming sticky enough to hold the leaf. Sizing can be purchased in a variety of working times. Jim uses 1 – 3 hour label. It comes to tack in about 40 minutes. A heat gun can accelerate tacking but risks embedding particulates in the sizing that will show in the finished piece.

Apply Mask: Jim applied plastic leaves to the sizing as a mask prior to leafing. He had painted the areas to be masked with green acrylic over the gesso.

Apply Leaf: He laid multiple metal pieces to the tacky area, and then used a brush to "stipple" them firmly to the tack. A brush with a little sizing will pick up small pieces of metal to apply to void areas. Missed areas in the dry initial application can be covered with more sizing and leaf over the voids.

Patterns: Jim used plastic mesh from an orange bag - very open mesh - over tack and under metal leaf, stippled leaf firmly, and then pulled the mesh off leaving a pattern. Other materials that mask, i.e., frisket, are called "resist."

Remove Extra Leaf: Use soft brush to remove excess leaf. Don't rub. Let the piece completely dry and cure before finishing or patination.

Patination: Patina can be applied to copper, silver, and Dutch gold but not real gold. (Gold is a non-reactive metal.) Silver oxidizes very quickly when exposed to air, so it needs to be used rather quickly once the package is open.

Working with Acids: Various weak acid solutions will produce colorings on metal leaf. A wide variety of colors are available depending on the metal leaf and acid used. Evaporation is a concern. Use cheesecloth to control amount of acid in areas and to create more random patterns. Cover cheesecloth with tissue paper to minimize evaporation. Apply acids to tissue paper and cheesecloth with a dropper or glass wand. Jim demonstrated using sodium sulfide to give reddish effect on copper. (He also used a second chemical for a different effect.) After getting the coloring effect desired, the tissue paper and cheesecloth were removed and the surface was blotted with a damp paper towel. Use care with acids, taking care not to get on skin, eyes, etc.

Finish: Jim uses Krylon Workable Fixative spray as a first coat. Apply sparingly and let dry overnight. Sand lightly with 1500 grit. Final coat with Krylon UV Resistant Clear Acrylic Coating. Jim uses gloss, although other finishes are available, then wet sands with 4000 grit Abralon pads to smooth and rub out surface as the final finishing step. (Krylon can be obtained at Wal-Mart, Hobby Lobby, or online.) He will often finish, sand, and polish with the piece still on the lathe. Jim also noted that the Krylon UV coatings keep some wood colors (purpleheart, padauk) from fading.

Choice of Materials: Jim uses a combination of woods and metals for contrasting effects.

A handout of resources for gilding and patination was provided. According to the handout, Jim can be contacted by phone at 505 828-9647, or via his web site, <http://jimswoodart.webs.com>. He also passed around pricing sheets from Art Chemicals. A good basic kit containing all materials to get started is available for \$99.

- Review by John Ellis

## *March 02 Program Summary*

### **Ron Phillips: Square Bowls – Turning Corners**

Ron gave an excellent presentation, which began with several examples of square bowls

turned in preparation for the meeting. He explained the key points of each of the various shapes and the unique challenges when turning them. He also gave away some of the examples! (Thanks, Ron.)

Holding up a piece from the Instant Gallery by Jim Breedren that had eight points, Ron noted that bowls can be turned with any number of points, depending on how the blank is prepared. The more points, the easier it is to turn, since there is less “empty air” to turn. Jim admitted that he’d turned the bowl round, then sawed off the corners and sanded them. (It looked great, anyway!) Ron also showed an arch-type design similar to one of Ray Berry’s, made out of a rectangular blank having only two “feet” when completed.

Turning-round Option: One option for making square bowls is to turn them round and saw off the sides to form the corners, as Jim had done, using a jig to orient and hold the piece. While it’s a safer and easier option, it has disadvantages. A lot of wood is turned and sawed away, reducing the size of the finished turning. Also, minor irregularities in wall thickness may not be apparent until after sawing and are difficult to fix. Better to not complete the entire turning, saw with the chuck still mounted to the bowl, then remount to the lathe for final turning.

Glue Blocks: One bowl was made from a fairly thick blank glued to a waste block or contrasting wood with tenon for the chuck and the points of the corners at the top edge of the bowl. It is an easier process, he noted, since both front and back can be done without reversing the piece. The tenon may form a foot on the finished bowl or turned away.

Selecting Wood: Use tight grained wood (such as walnut, cherry, maple) to avoid splitting, and be sure the wood is very dry. Ash, although being open grained, does well for square turning.

Orientation and Mounting: Blanks should be oriented so the “curve” of the grain follows the square corners so there is less chance of splitting out. (If the corners will be feet, orient grain curve down; if the corners will be at the top, orient the grain curve facing up.)

Ron had glued sacrificial wood strips about ¼” thick along the edges of the square blank, to be cut off

and sanded away after turning. The strips protect the edges of the finished wood from the practically unavoidable tear-out on the trailing edges. The waste strips are also helpful when the partially turned bowl is reversed and mounted to a flat disk.

Turning: Ron demonstrated a square bowl with the four corners turning down to form feet for the finished bowl. The blank was mounted on a screw center to the top of the bowl blank. He started by truing the bottom face so the finished feet would be even. Using a bowl gouge ground with an Ellsworth or Irish grind, he began shaping the top profile of the wings with pulling cuts and then shear scraping, where the handle of the tool is dropped low during the cut. He then started shaping the bottom of the wings leaving the center bottom of the bowl in place to provide support for the wings. It is important to work down to the thickness of the wings in short steps, perhaps  $\frac{3}{4}$  inch at a time, to final thickness to retain strength and rigidity as long as possible. He carefully finished the top and bottom surfaces of the legs. Ron noted that at this point the surfaces would be sanded, although he was not taking the time to do any sanding during this demonstration. Power sanding to start, then hand sanding at completion is the approach he uses.

With the wings (feet) essentially completed he then removed the tailstock and formed the bottom of the bowl using standard bowl-turning techniques. He used custom-made scrapers with a narrow point to get into the corners between the feet and the bowl. One final step was measuring to be sure the bottom of the bowl was higher than the finished feet, so the bowl would appear to “float.”

Reversing the Blank: After removing the blank from the screw chuck, Ron noted several options for holding it while working on the top surface (now facing the tailstock). He prefers vacuum chucking. Cole jaws can also be used if available to fit the blank and the lathe. Double stick tape was also mentioned, with caution as to the type of tape used. (Standard carpet tape from big-box stores doesn't hold well.)

For the demonstration, Ron used waste wood strips and hot-melt glue to hold the bottom face to a large trued disk mounted to a faceplate on the headstock. A pointed center in the tailstock into the screw-chuck hole was used to center the piece on the disk. Glue was also applied only to the waste strips and the sacrificial strips on the edge of the blank to hold it securely in place. Don't be skimpy with the glue. Centrifugal forces on glue joints can be considerable, especially on larger turnings. Ron's had failures and had the bowl fly off the lathe!

Final Turning: After truing the top edge of the bowl itself, Ron began hollowing using standard techniques. He left the tailstock in place for much of this work to be extra safe. Final hollowing with the gouge was followed with scrapers, which would then be followed with power sanding. He mentioned the advantages of “negative-rake” scrapers in smoothing the inside of bowls. Use caution when hollowing out the bowl and estimating wall thickness and contours, since the bottom of the bowl is no longer accessible for calipers. The completed turning was removed from the holding disk. Later, waste strips on the edges would be sawed off, leaving a very thin amount to be sanded off the finished edges. Ron ended the session by answering a number of questions.

If you would like one-on-one help “turning corners,” give Ron a call at 867-0612 to set up a mutually convenient appointment.

Note on Hot-melt Glue: Hobby shop glue guns and economy or general-purpose glues are not strong enough for holding turning blanks. Ron used the Adhesive Tech™ electric glue gun (WWS #119-627 - \$59.99 list), and 10” High Performance glue sticks (WWS #895-012 - \$12.99/lb. list). Those products were demonstrated by Steve Sabo at the May 2010 NMWT meeting.

- Review by John Ellis

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### *Silent Auction*

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Silent Auction will be held during each NMWT workshop to raise money for a scholarship fund. The earnings from this fund will be used to reduce member's cost of attending hands-on sessions with professional turner-demonstrators at the discretion of the NMWT Board of Directors.

You may place any item that you think will sell in the auction. Bring only items relating to wood-working or woodturning. There will be auction sheets on a table outside the WWS meeting room. Take a sheet, write the name of the item on the sheet and put your item with the sheet. If you want the item to go for a certain amount, put your name and the minimum bid on the sheet. The Auction will be over at the end of the break. Money will be collected for items sold during the last part of the meeting. All money collected will go into the scholarship fund. Items not sold will be returned to the owner and the owner will remove the items from Woodworkers Supply

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### *Schools*

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#### *Santa Fe Community College* [www.sfccnm.edu](http://www.sfccnm.edu)

Santa Fe Community College offers both credit and noncredit courses taught by some of the most prominent artisans in the woodworking field. Classes are offered in the Fall, Spring, and Summer sessions. For more information on SFCC classes, contact club member Al Mirman, one of the Woodturning instructors, at 771-0490. Information can also be found at SFCC's web site.

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### *Discounts & Rebates*

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#### *Woodworker's Supply* [www.woodworker.com](http://www.woodworker.com)

Meeting Day Special: Abrasives --- in the big catalog on pages 35, 50 and 53

#### *Crafts Supply*

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

Offers a discount to members on large orders. Craft Supply has implemented a new club support program. Visit their web site or phone Kathy Lawrence at 1-800-551-8876

#### *Albuquerque Hardwood Lumber Co*

NMWT members receive Wholesale Prices. ABQ Lumber has hardwoods, Lampine Thermofused Melamine, plywood, veneers, and furniture grade white pine.

### *Oneway Manufacturing*

[www.oneway.on.ca](http://www.oneway.on.ca)

Any member who may want to receive sales email direct from Oneway, please provide Alan Becker 505-467-8382 [alan-becker@comcast.net](mailto:alan-becker@comcast.net) with your name and email address. Check their web site [oneway.on.ca](http://www.oneway.on.ca) for products.

### *Albuquerque Exotic Woods*

#### **Jake Jacobson and Phil Weaver**

Jake and Phil have a new store specializing in exotic woods. It's located at 2801 Eubank, NE #F, Albuquerque, 87112. They are in the Eastdale Shopping Center, sw. corner of Candelaria & Eubank, between H&R Block and Pudge Brothers Pizza. Look for the sign in the window.

Hours are Tuesday through Sunday, 8:30 – 6:00. (Monday by appointment) They provide a 10% discount to active NMWT members.

Call (505) 293-WOOD (9663)

### *Crane Mountain Weapons*

Contacts are: Pat, Marti, or Joe - 271-0797. This business uses exotic woods for gunstocks and sells off-cuts as turning blanks.

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### *Lumber & Milling Services*

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<b>Wes Thompson</b>	505-384-2544
<b>Doug Malmstrom</b>	505-907-3015
Custom milling of your lumber or ours.	

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### *For Sale*

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Remember, your items for sale will run for one month unless you request an extension. There is no charge for listing items, and we welcome members to use this space for anything related to woodturning.

⇒ **You can also run an ad to FIND or TRADE something?**

*Instant Photo Gallery*



**Jim Breeden – Hickory Star Bowl**



**Ron Bahm – Walnut Pen**



**Jose Sena – Cottonwood Root Pot**



**Ralph Watts – Cherry Platter**



**Nate Davey – Maple Burl winged Bowl**



**Ralph Watts – Walnut Platter**



**Tim Kennedy – Siberian Elm Bowl**



**Tim Kennedy – Blue Spruce Bowl**



**Scott Eckstein – Pine Bowl**



**Don Best – Cedar Segmented Bowl**



**Scott Eckstein – Pine Bowl**



**Bob Stauch – Cypress Turquoise Dyed Bowl**



**Scott Eckstein – Pine Bowl with Natural Stain Accents**



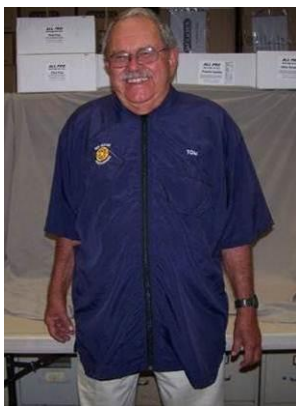
**Bob Stauch –Dyed Green Bowl**

**Mentors**

Members are always welcome to contact the people on the following list for guidance to better turning ideas, and techniques -- Free to members so give a Mentor a call!

Name	Phone	Description
Bill Zerby	891-9188	Basic spindle turning & tool sharpening
Bob Clancy	281-4469	Basic turning & bowl turning
Dan Shipman	296-9754	Basic turning, hollowing & segmented construction
Irling Smith	865-9230	Segmented turning & design
John Ellis	771-1773	Basic turning, plates, tools & handles
Alan Becker	467-8382	Intermediate Hollowing
Ron Phillips	867-0612	Specialty tools, rests & steadies
Ralph Watts	792-4860	Advanced turning, carving, coloring, and finishing
Ron Bahm (new)	881-8845	Pen turning

**Logo Wear Shirts/ Smocks**



**NMWT OFFERS CUSTOM TURNING SMOCKS**

After much looking I have finally found a domestic source for a quality turning smock. A picture accompanies this article. The smock

design and material are identical to that offered by AAW. The smocks come in five colors: Royal Blue, Navy Blue, Burgundy, Tan and Grey and in seven sizes: S, M, L, XL, XXL, XXXL, XXXXL. The smocks are sized to fit over a shirt so if you wear an L shirt you should order an L smock. AAW sells their smocks online for \$50 plus about \$9 shipping and handling plus \$3 extra for your name (added here). NMWT will charge \$50 per smock with NMWT logo plus \$3 for your name if desired. The price includes sales tax. The XXXXL size is \$3 extra and there is no price break for volume. A company in Colorado is manufacturing the smocks.

Normally, if you order and pay for an item at one meeting I can have it at the next; however, if you say please and buy me a cup of coffee, I can probably have it in two weeks.

**Prices for NMWT's Shirts and Hats**

- Long Sleeve Denim Shirt \$27.00
- Short Sleeve Denim Shirt \$25.00
- Polo (golf) shirt \$22.00
- Short Sleeve T-Shirt \$15.00
- Caps (baseball) \$11.00
- All items include embroidery
- Add \$2 for XXL and \$3 for XXXL
- Names Embroidered on Shirt \$3.00
- Logo on Customer Supplied Garment \$9.00

**Contact: Tom Cour: 867-8771**

**New Policy: Loaning Lathes to NMWT Members**

With the recent purchase of new Delta lathes and sale of older Jet and Delta lathes, the Board clarified the policy on loaning lathes to members. One Jet lathe was retained for loan to members, and more may be obtained as needed. The new Delta lathes will be used exclusively for demonstrations, classes, and workshops.

Summary of New Policy:

1. Borrowers must be NMWT members in good standing.
2. The Equipment Coordinator (currently John Ellis) is in charge of access, maintenance, and scheduling.
3. Borrowers must pick up and return lathes to storage.



4. Loans will be for two months or less, but may be extended if not requested by another member.
5. Loans will be on a "first come" basis with waiting list, if necessary.
6. A list of all items loaned and Loan Conditions must be signed by borrowers at pick-up.
7. Borrowers are responsible for any damages or loss of borrowed items.
8. Borrowing members must seek instruction for using the lathes safely.
9. NMWT assumes no liability related to the use of the lathes.

A copy of the full policy may be obtained from the Equipment Coordinator.

### *New Policy: Loaning Lathes to Other AAW-Affiliated Chapters*

The Board decided that the Delta lathes purchased in January may be loaned to other AAW-affiliated chapters and adopted a policy to facilitate that process.

#### Summary of New Policy:

1. Use of the loaned equipment is limited to chapter workshops, demonstrations, or classes, but may not be for personal use.
2. Equipment will not be loaned when needed by NMWT.
3. Loaned equipment must be transported to and from NMWT storage by the borrowing chapter.
4. A list of all items loaned and Loan Conditions must be signed by the borrower when picked up.
5. Damages beyond normal wear and tear are the responsibility of the borrowing club.
6. A "Usage Fee" to offset normal wear and tear of \$15 per calendar day per lathe will be charged to the borrowing chapter and must be paid at pick up.
7. The NMWT Equipment Coordinator is responsible for scheduling, arranging for pickup and return, and collection of Usage Fees.

A copy of the full policy may be obtained from the Equipment Coordinator.

### *Library Corner*

A good selection of educational DVD's are available for check out during club meetings

### *Web Sites*

#### **NMWT**

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

Please visit our web site. Webmaster Dave Stein continues to made many additions and improvements that are very useful to club members and the public. If you have not been there lately we now have a slide show on the Home Page and the Gallery is divided into sections with slide shows.

### *Suggested Web Sites*

Found a good WEB site? Want to share it with other club members? Questions or suggestions are welcome. Please contact the club Webmaster Dave Stein at: [webmaster@nmwoodturners.org](mailto:webmaster@nmwoodturners.org)

[www.cleanturn.net](http://www.cleanturn.net)

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

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

[www.woodmagazine.com](http://www.woodmagazine.com), [www.penturners.org](http://www.penturners.org)

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

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

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

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

<http://www.sofasandsectionals.com/wood-turning-resources>

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

For those of you who have equipment or material for sale, you can have it posted here in our newsletter, but another resource is:

[www.albuquerque.craigslist.org](http://www.albuquerque.craigslist.org)

**New Mexico WoodTurners  
c/o Roger Umber  
12520 Piru Blvd. SE  
Albuquerque, NM 87123**

