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CLASSIFIED ADS

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Submission deadline for the next issue:
September 21

President's Corner



THANK YOU, THANK YOU, THANK YOU!

MWA members have done us proud. A big THANK YOU to all MWA members and their spouses who volunteered to help with the AAW Symposium in one capacity or another. I was pleasantly surprised to see as many members helping as I did, and I'm sure I did not see all of those who were there. They all did a great job in making the symposium a big success.

Another big THANK YOU goes to Mary Lacer, AAW Administrator (and MWA member) and Eunice Wynn, her Assistant, for the great job they did and for remaining unflappable throughout the symposium.

Thank you also to all of the members who participated in the on again-off again collaborative project. In an eleventh hour effort, with lots of elbow grease, we managed to finish the FANTASY CASTLE with less than a week to spare. Thanks especially to Roger Ronsen for spearheading the final push to finish the project. The other members of the "castle brigade" were Brian Grobe, Don Wattenhofer, Ken Tempero, John Engstrom, Alan and Mary Lacer, Bob Jones, Hal Malmlov, Boyd

Annis, and Linda Ferber. A very special **Thank You** goes to Amelia Redig, whose miniature people, animals and marketplace props really brought the castle to life.

I had the privilege of assisting Ray Key on his first rotation Friday morning. Ray is a world-class woodturner and was featured in the last AAW Journal. He was named as this year's Honorary Lifetime Member by the AAW Board of Directors. He is a real gentleman with a good sense of humor. Ray demonstrated his pagoda box, which is a series of stacking boxes. He had to borrow tools from some of the vendors since his tools had been inadvertently sent to his next demonstration location. He took it all in stride and did a remarkable demonstration.

The rest of the symposium was filled with good demonstrations, an instant gallery of hundreds of woodturnings, a trade show full of woodturning goodies, and a banquet and auction.

On Sunday night after the symposium Joyce and I hosted Ken Port from Woodcut Tools in New Zealand. Since he is a woodturning tool manufacturer, he wanted to see my tools and how they were sharpened. He gave me a valuable lesson in tool sharpening. After sharpening some of my tools and trying them, I'm sure my turnings will be easier to do.

I also want to thank all of the members who demonstrated at Rockler's in Maplewood on June 24th and at the Minnesota Crafts Council Show at St. Catherine's College.

The next demonstration will be at the Washington County Fair on August 2nd—5th.

The next event for MWA members is the annual picnic on August 11th in Brooklyn Park. The challenge will be weed pots and vases.

— Bruce

Thanks for a job well done:

Editor's note: the following e-mail was sent to club president Bruce Arones, from former president Mel Turcanik.

Hi Bruce,
Congratulations on a great symposium! As I was checking out of the campground, a turner from Oregon recognized me and made a point to let me know how great a job the local chapter did. It's hard to know how things are going when you're in the middle of it, but it seems that everything worked out well from comments I heard. Please pass on my personal thanks for all the contributions of time, energy and tools the Board and members made.

As someone who has attended a few of these things and never really thought much about what it takes to bring it all together, I now have a much greater appreciation for all the individual efforts by members AND THEIR WIVES that go into making the whole thing work. THANK YOU EVERYONE!

Mel

And the following comment from Aaron Gesicki, Secretary of the newly formed Coulee Region Woodturners:

Please tell your Chapter colleagues that you and they did a great job with the Symposium. It was my first, and it was a terrific experience. Also, please thank the City of St. Paul for having Kellogg closed for construction. For me it was a benefit. Reduced the traffic and made things easier, for me.



Our Collaborative Castle



Welcome!

Name	From	Joined
Robert Hansen	Cottage Grove, MN	5/01/01
Dale Faulkner	Princeton, MN	6/01/01
Daniel Henrich	Coon Rapids, MN	6/24/01
Kenneth Kogler	Maplewood, MN	7/01/01
Bob Loughrey	Scandia, MN	7/01/01
Dick Loughrey	Scandia, MN	7/01/01
W. Bradley Murdock	Inver Grove Heights, MN	7/01/01
Steven Wilson	Eagan, MN	7/01/01



Our Collaborative Castle ... from a different angle.

You Never Saw So Much Wood . . . unless you attended the May membership meeting!

Thirty eight people, including three visitors, enjoyed a beautiful afternoon at John Berglund's shop in New Haven; the site of our membership meeting on May 12th. John began by dem-

onstrating the proper use of various turning tools. Next, he demonstrated how he makes his flanged natural edge bowls, supplying numerous sanding and finishing tips.

In addition to John's obvious turning talent, he has an impressive amount of wood around his work area; bowl and vase blanks are stacked in almost every available space. Bob Jones wore a T-shirt (a gift from his wife) that summed it up pretty well: "Just how much scrap lumber does a man need to save?" . . . based on the amount of wood at the Berglund's, I'm pretty sure you **can't** have too much wood!

After his tool and turning demonstrations John took us out to the pole building that houses his portable sawmill and . . . you guessed it . . . more wood! John saves a substantial amount of money milling his own wood, and gains an advantage over his competition. John estimated that he turns about 2000 weed pots (vases) and 1000 bowls every year.



John demonstrates the proper use of tools
Photo by Chuck Bjorgen



The wood chips really fly when John gets serious about turning a bowl!
Photo by Chuck Bjorgen

John fired up the sawmill so we could see it in action. After a log is manually loaded on the machine, the cutting operation is fairly automatic. It has a push button adjustment for the thickness of cut, which John chose after seeing one that had a crank adjustment! Boards are cut as the machine "walks" along it's track, and the bandsaw-like blade slices through the secured log. Pretty slick! The meeting concluded with Show 'n Tell, and a wood raffle. John donated a wheelbarrow full of burl for the raffle, which

when combined with the rest of the wood, resulted in “leftovers” to be raffled at future meetings!

Thanks to both John and Karen for opening their home to us for the afternoon. (Special thanks to Karen for providing coffee and goodies.)



Yet more wood in John's pole barn!



John and Craig Lossing load a log onto the sawmill



Show 'n Tell items—impressive as usual!



The sawmill in action!

Mark these dates on your Calendar

*Join us for
Club Activities!*

January 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
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April 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
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29	30					

May 2001

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27	28	29	30	31		

June 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

July 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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22	23	24	25	26	27	28
29	30	31				

August 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January

♦ **20th**—Membership meeting featured a demonstration by Craig Lossing.

♦ **27th**—Turning demo'd by club members at Rockler's in Maplewood.

February

♦ **20th**—Membership meeting featured a discussion of how to best use a piece of wood.

♦ **24th**—First small group session held at Roseville Area High School; hosted by Wally Jacobson.

March

♦ **7th**—Board of Directors meeting was held at Wells Fargo Bank in New Brighton.

♦ **13th**—Membership meeting included sharpening tips, and how to turn an egg.

April

♦ **19th**—Membership meeting featured a demonstration by Internationally known turner, Bonnie Klein; followed by the egg challenge.

May

♦ **10th, 11th, & 12th**—Roger Abrahamson demonstrated on the pole lathe at Parker's Lake Park (County Rd. 6 & Niagara Lane) in Plymouth. A 10 foot pole was tied to a pedal with a rope, which was wrapped around the wood Roger was turning. He used his foot to push the pedal down, then the pole pulled it back up, turning the wood back and forth.

♦ **12th**—The May membership meeting was held at John Berglund's shop in South Haven—see article, page 4.

♦ **16th**—The Board of Directors meeting was held at the AAW office in Shoreview.

June

- ♦ **12th & 14th**—Woodturning was demonstrated at the MN Museum of American Art; the demo was put on for museum employees so they could explain the lathe process to people viewing the Nature Takes A Turn exhibit.
- ♦ **24th**—Rockler's in Maplewood held their first annual Woodworking Carnival—see article, page 8.
- ♦ **29th - July 1st**—Club members demonstrated at the MN Craft Council's Art Festival, held at St. Catherine's College—see article, page 10.

July

- ♦ **5th - 8th**—The American Association of Woodturner's Symposium was held at the River Center in St. Paul. See comments and pictures throughout this newsletter.
- ♦ **24th**—Woodturning was demonstrated at the Landmark Center in St. Paul. The demo's were in conjunction with the Nature Takes a Turn exhibit at the Landmark Center.

August

- ♦ **2nd - 5th**—The Washington County Fair runs Wednesday through Sunday. Club members will be demonstrating the 2nd—5th! Bring the family out, watch a little turning, and have a good time!
- ♦ **11th**—Our annual club picnic will be held in Brooklyn Park (same location as last year) on Saturday. See front page article for details and a map.

September

- ♦ **12th**—The Board of Directors will meet on Wednesday, at 6:30 at AAW Office (3499 Lexington Ave. N, Suite 103). Any member with something they would like brought before the BOD should contact any board member listed in the newsletter, and it will be put on the agenda.
- ♦ **15th**—The September membership meeting will be tool making at John Magnussen's on Saturday. See page 9 for details and a map.
- ♦ **15th**—Artist's Reception at Ripple River Gallery: Wood Fired Clay Fired Wood—*New work by Bob Carls & Dick Cooter*. Directions to the gallery →

October

- ♦ **6th-7th**—Fall Color & Apples Open House at Ripple River Gallery. Directions to the gallery →

- ♦ **25th**—The October membership meeting will be Thursday evening at MCAD. Michael Brolly will give a presentation on design. Details will be supplied in subsequent newsletters, but mark it on your calendar now!
- ♦ Rockler's in Maplewood would like us to put on another turning demonstration in October, but the date has yet to be determined.
- ♦ The Woodworker's Show, usually held at the MN State Fair grounds in October, has been rescheduled for January.

November

- ♦ A date for the November membership meeting has yet to be determined.

⇒ **Help** . . . we need ideas for topics you'd like to see covered in the November membership meeting. Please submit ideas to Bruce Arones, or any board member. The club is for you . . . let us know what you'd like!

December

- ♦ **11th**—We'll hold our Holiday Party Tuesday evening. Mark your calendars now, and we'll provide more details as December gets closer.

The picnic challenge is Weed Pots or Vases, start turning now! Try a new technique on that special piece of wood you've been saving, then come to the picnic to see how it all turns out!

Directions to Ripple River Gallery:

from Deerwood: Five miles south on Hwy. 6, then 3 miles east of Ruttger's Bay Lake Lodge on County Road 14 to Partridge Avenue (formerly County Line Road), then north 1/4 mile on Partridge Avenue.

from Aitkin: South on Hwy. 169 to Bennettville, then 3.2 miles west on County Road 11 to Partridge Ave.

First Annual Woodworking Carnival— Rockler's Maplewood

Rockler's of Maplewood held their first annual woodworking carnival, Sunday June 24th. There were carving and turning demonstrations; various tool and machine vendors were present; there were belt sander races, and of course great bargains at Rockler's! Turning demonstrations were put on by the following MWA members: Bruce Arones, Dwayne Gemelke, Wayne Keifer, Wally Jacobson, Dan Noren, and Roger Ronsen.



Wally Jacobson preparing to turn.



Bruce Arones turns a top.



Dan Noren turning a pen.



Wally Jacobson is off to the races . . . the beltsander races!



Dwayne Gemelke explains turning



Wayne Keifer turns a bowl

Make Your Own Tools at our September meeting!

Back by popular demand . . . tool making at John Magnussen's! You'll definitely want to attend the September membership meeting and try your hand at making turning tools!!

Date: Saturday, September 15

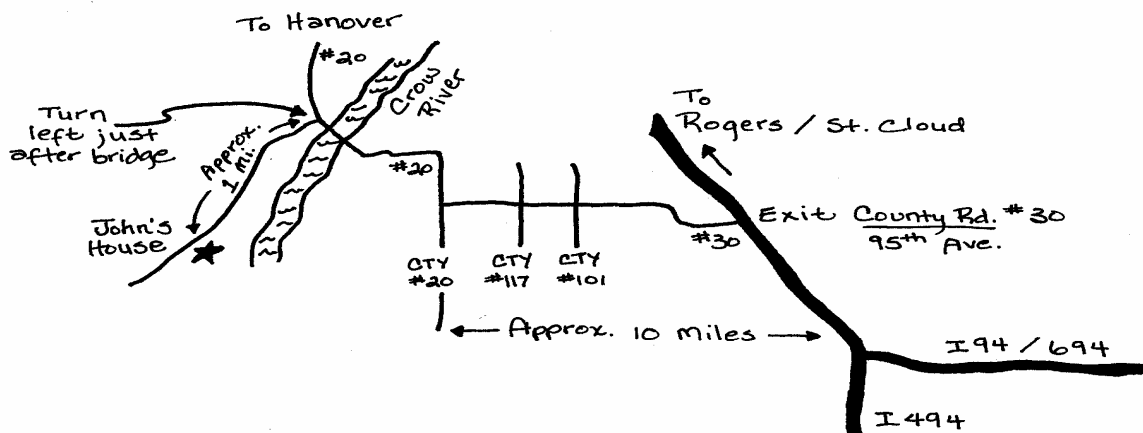
Time: 10:00 a.m.— 4:00 p.m.

Place: John Magnussen's shop, 118 Jansen Ave SE, Buffalo, MN (see map below)

Lunch: Bring a bag lunch and eat at John's house, or, if you prefer, there's a Bar & Grill nearby. Due to the number of people we expect for the tool making, we'd like to get an approximate headcount of those interested in eating at the Bar & Grill—John may need to make seating reservations.

*** Please notify Steve Tiedman (651-746-0298 or stevetiedman@quest.net) if you plan to eat at the Bar & Grill.**

Agenda: There will be a minimal charge (probably a couple dollars) for each tool steel blank you use, so come prepared with a bit of cash! Some of the tools we'll be making include: small, replaceable tip scrapers; round skew chisels; and hollowing tools—the ones with small machinists' scraper bits held in a steel handle, setup with a set screw; and possibly hook tools. Steve Tiedman mentioned that he was shown how to make a bedan by one of the French turners at the AAW Symposium—hopefully he'll share the instructions! After watching Jean-Francois Escoulen at the Symposium, I know I'd love to try making and using a bedan!



A Fair Day at St. Catherine's for the MN Craft Council

The Minnesota Craft Council enjoyed three beautiful days (although Saturday was a bit toasty) for their Art Fair at St. Catherine's College, July 29th through July 1st. There were over 120 artists selling work in various media, including: clay, fiber, glass, leather, metal, mixed media, and wood. Three MWA members sold their work at the Fair: John Berglund, Bob Carls, and Craig Lossing.

In addition to the artists' booths, there were food vendors, entertainment, and demonstrations by several art and craft organizations, including the Minnesota Woodturners! Thanks to the following members who demonstrated: Bruce Arones, Dwayne Gemelke, Linda Ferber, Wayne Keifer, and Joe Cornell.



Pictures this page:

upper right: Fair goers enjoy the weather and the displays.

middle right: Bob Carls makes a sale, while another prospective customer considers his work.

middle left: Wayne Keifer and Linda Ferber ready to turn!

lower right: Craig Lossing shows off a fistful of dollars.

Pictures next page:

upper left: Bruce Arones has a captive audience as he turns a top.

upper right: Dwayne Gemelke and Joe Cornell demonstrate.

lower left: Wayne Keifer and Linda Ferber at the lathes.

lower right: John and Karen Berglund in their booth.





Which Glue for What

By Jim Manley, Technical Editor

(Taken from the NZ Woodturner, the official magazine of the national association of woodturners new zealand inc.
<http://www.woodturning.co.nz/archives/whichglue.html>)

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 from 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, coloring

(Continued on page 12)

Vase Proportions supplied by Dale Nish

Not sure how to get started for our weed pot / vase challenge? You might want to try the proportions suggested by Dale Nish, a well-known turner from Provo, Utah. During his demonstration of Reverse Turned Hollow Forms at the 2001 AAW Symposium, Dale supplied a handout (see following page), which suggests a vase design based on proportions of "1/3—2/3".

Try enlarging or shrinking Dale's design on a copier, then transfer the resulting measurements to your wood piece, or draw your own design based on the proportions of 1/3—2/3. Experiment with your designs and start turning some vases!

(Continued from page 11)

agents and sugars. It is this mixture of natural chemicals that gives the wood its smell, its color, 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 fibers, 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).

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 really only two types of wood glue - Thermosetting and Thermoplastic.

Thermosetting glues are your two part 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, which 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 adhesives are usually 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. Another 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.

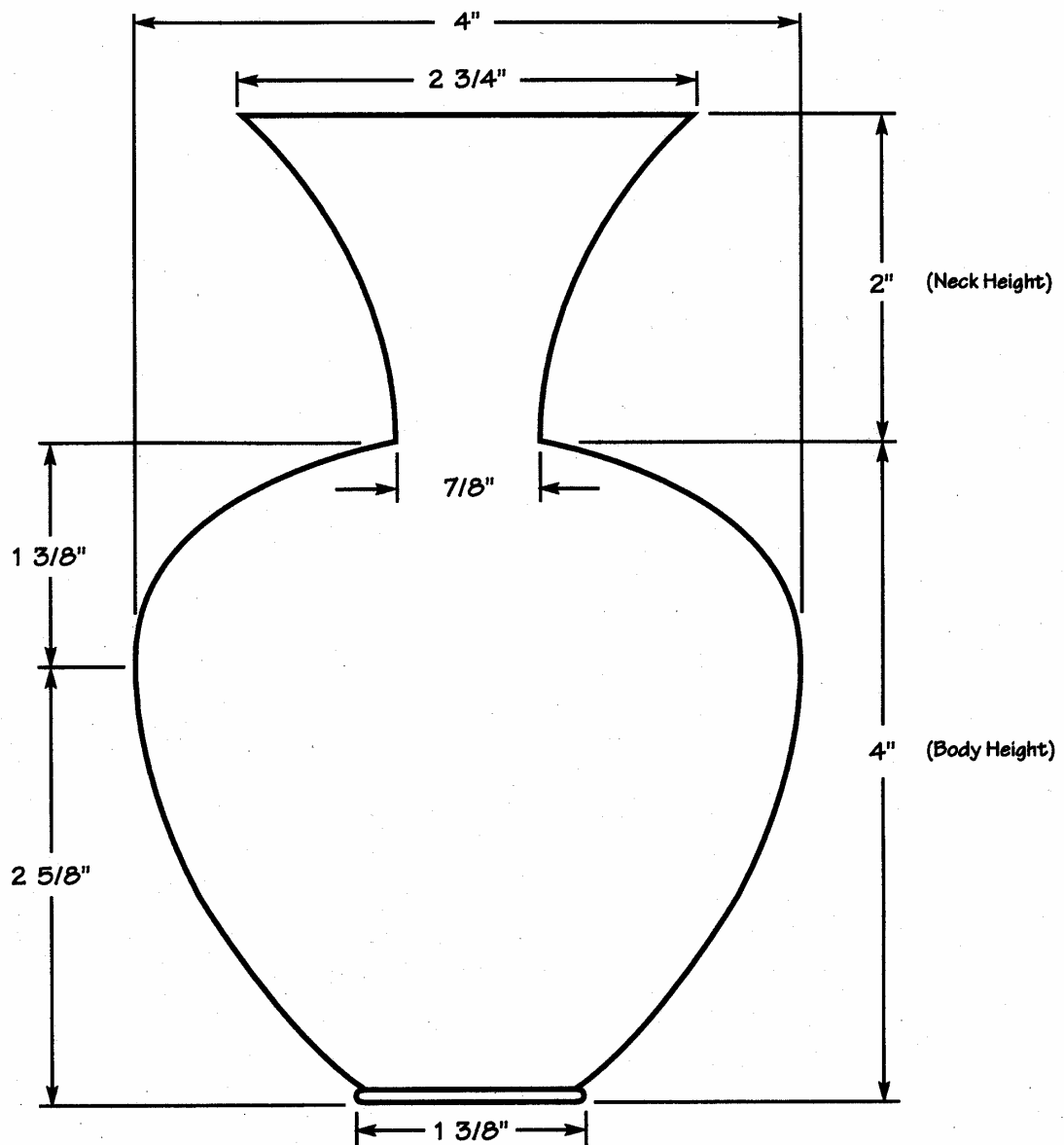
A Note to the Novice PVA - Most woodworkers will tell you that the wood glue they use is aliphatic resin. For the novice there is an obvious difference from PVA. Aliphatic Resin has a distinct yellow tinge whereas PVA is creamy white. If you are new to the woodwork game and are buying wood glue, buy aliphatic, which 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, segmented turnings, inlays of organic and inorganic material, attaching legs, attaching waste blocks, crack repair and clock numbers.

Laminating

Laminating is the act of joining two pieces of wood together to make a bigger piece. If the pieces being joined were for a clock, or were 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

(Continued on page 14)



Vase Proportions- based on application of $\frac{1}{3} - \frac{2}{3}$

Neck Height is $\frac{1}{3}$ of the total height.

Vase Body is $\frac{2}{3}$ of the total height.

Vase Body Diameter is $\frac{2}{3}$ of the total height.

Maximum Diameter of Vase up at $\frac{2}{3}$ the body height.

Neck Base Down to Maximum Diameter is $\frac{1}{3}$ the body height.

Base Diameter is $\frac{1}{3}$ the body diameter.

Neck Diameter at Top is $\frac{2}{3}$ of the body diameter.

Neck Diameter at Base is $\frac{1}{3}$ of the top diameter.

Handout provided by Dale Nish during his demonstration of Reverse Turned Hollow Forms at the 2001 AAW Symposium.

(Continued from page 12)

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 color or texture changes. Although aliphatic resin will do the job, there are 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

Segmented turnings 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 5-minute epoxy are what I use for all of these. If there is a problem with the metals and the wood being incompatible with the adhesive, then I use Urethane Bond.

Attaching legs

Aliphatic is fine for the job of attaching legs onto a three legged table using dowels or a tenon.

Attaching Waste Blocks

I knew if I went through the list of jobs long enough I would find a job for PVA. For waste blocks using a paper joint I use PVA. It's 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 color to it. For large gap-filling tasks, use epoxy resin. Epoxy will take up to five times its own volume of sawdust and other materials and still retain 70% of its strength. I also add boot polish or soot to the mixture to color the epoxy.

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 to 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; strength drops off and setting times increase with age. Unless you use a large amount, just get enough for the job. Sellys, Expandite or any 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 has been some help for those starting out in turning, and that the old hands have found something they can use.



Examples of some of the great work exhibited in the Instant Gallery at this year's AAW Symposium.

Above: pieces by Binh Pho.
Below: Artist unknown.



Tools for Sale

Need tools? Here are a few great buys:

Powermatic 45 variable speed, gap bed lathe, chucks, tools, dust collector, abrasives, and more! Sold as a package, \$1300. For detailed list, call Jim Engh, 507-288-6332 or email jamestengh@prodigy.net

Delta 10" Contractor Table Saw, model 34-444
30" Delta UniFence and table extension, model 36-905
Miter gauge clamp attachment
Woodworker II—Forrest 60 tooth finishing blade
DML 80 tooth finishing blade, plus extra blades
Dado head cutter and insert
24" panel miter board
other accessories
Asking \$625 . . . contact Ron Meilahn at 651-633-8902

Help the children!

Save your turning scraps, and bring them to the Picnic and/or the September meeting!

Later this Fall, the Minnesota Institute of Arts will be sponsoring a family day, at which the kids will be building sculptures.. The MIA has requested scrap wood pieces to be used in the sculptures. They can use any small turnings, spindles, or even the pieces left in the chuck after you've parted off your work.

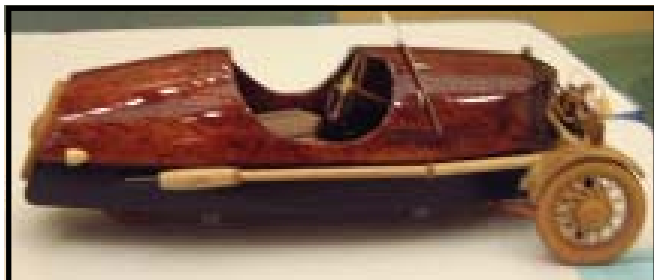
Bring whatever pieces you'd like to contribute to the picnic, or the tool making meeting.

Thanks!

Miscellaneous Notes

* Many THANKS to **Romy Rauch** for making the shields we use on the club lathes at demonstrations!

* Don't forget about our wood sealer program; bring gallon jugs with screw top lids to any club meeting. A gallon of wood sealer is just \$8—it's a great buy! We've sold 1/2 barrel of sealer since beginning the program. Thanks to **Roger Ronsen** for suggesting and managing the sealer program.



"1935 Morgan" by the West Bay Area Woodturners—this year's winning collaborative project!

Help us update our records!

We now have close to 150 members in the MWA, and would like to verify that the contact information we have is correct. Zip codes have changed, and e-mail addresses may have changed. Please take a minute to send us the following:

Name _____

Address _____

Phone Number _____

e-mail Address _____

You may e-mail the information to:
jc.nicholson@usfamily.net

subject: *MWA Contact Information*

or

mail this form to:

Cathy Nicholson
9186 Harpers Court NE
Blaine, MN 55449

Thank you!



An example of some of the great work exhibited in the Instant Gallery at this year's AAW Symposium.

Check this OUT!

Available now in our library!

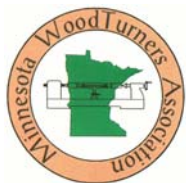
- **Woodturning a foundation course:**
 - Keith Rowley

This video provides you with a thorough introduction to all the basic techniques and practices which you will need to enhance and improve your turning. Turning between centers, and using face plates.

Runs 88 minutes.

New library check out policy. Since the April meeting videos have been on a rental program. The rental is \$2.00 per video, with the video due back at the next meeting. The change to a rental policy will help increase the library size, and only original videos will be rented—no copies. The new policy will improve quality and quantity.

Thank you all for your support



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First-Class Mail