

JANUARY 2021

TURNERS TALK

THE MID-SOUTH WOODTURNER'S GUILD



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FEATURES IN THIS ISSUE

Page 3 - President's Corner - Bob Wolfe

Page 5 - New Officer Bio's

Page 8 - Discover Segmented Turning Part II

- Bill Bleau

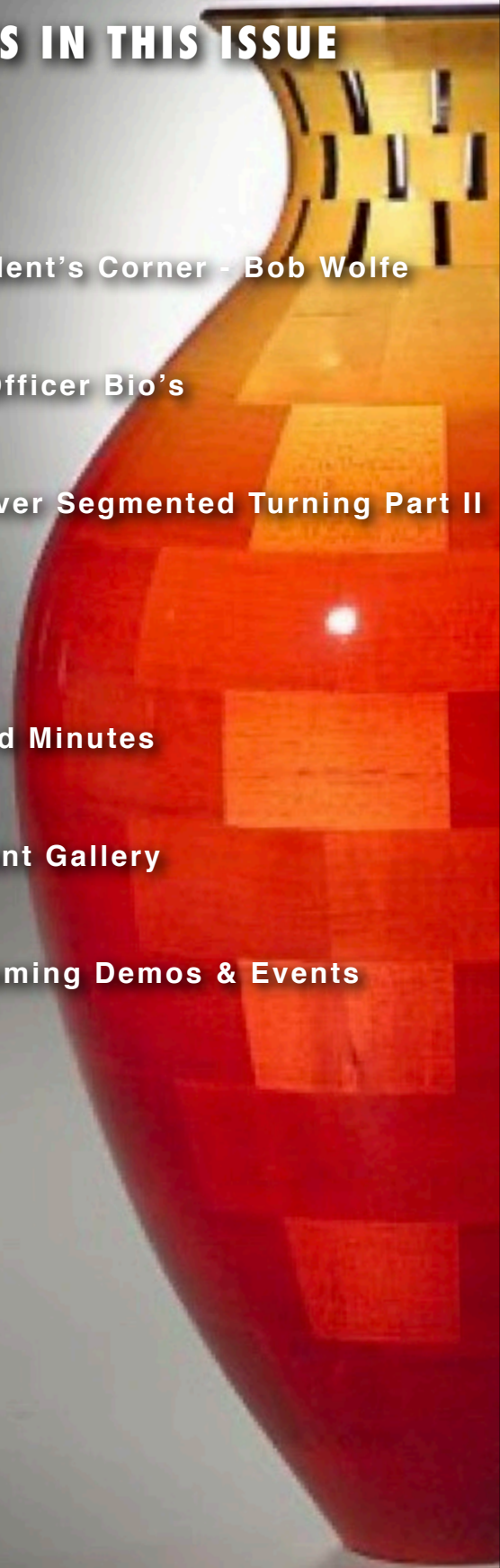
Page 12 - Board Minutes

Page 13 - Instant Gallery

Page 27 - Upcoming Demos & Events

Cover photo:
JOE HAGAN

Inside Panel:



The President's Corner



Welcome to 2021

As the newly elected president of the Mid-South Woodturners Guild, I want to welcome you to January 2021 club meeting. I am excited about the opportunity to serve you and the club for the upcoming year. Along with excitement and happiness comes some sadness as the club members loses beloved family and members, it is with a heavy heart I am announcing the recent passing of two of our long-time members, Joe Hagan and Keith Burns earlier this month. Our thoughts and prayers are with all friends & families who have suffered losses over the past year. On a brighter note, the new board will endeavor to provide fun, interesting and meaningful learning events over the next several months. As excited as I am about the upcoming months, we will have challenges with the continued "Social Distancing" due to Covid-19 and thus the Zoom Meeting format. The meetings will return to live events as soon as it is appropriate to meet as a group.

Our artist-demonstrator this month is Craig Timmerman from Austin TX. Craig's specialties include hollow forms, spheres and non-round turnings. Craig first began turning after taking a class at a local store in 1998. A note to our beginning/novice woodturners, we all began our journey in woodturning with little or no skills. It is the learning and practice that leads to skilled expertise. Enjoy the journey. We have asked Craig to turn an "Arched Bowl" during this demonstration. A PDF file on the steps is available on Craig's website (www.armadillowoodworks.com/demos.html) If time permits he will also turn a sphere. There is more information about Craig on the following pages of this newsletter.

The club has taken 20 baseball bat billets to The Woodwork Shop to sell. Rita has agreed to sell the billets with half the proceeds going to Saint Jude's Children hospital and the other half to the club. Rita extended the 50/50 sale to ornaments, but we got started just after Thanksgiving and few items were submitted until the first and second week of December, so sales were light. We raised \$50 from billets and few ornaments sold this year. Next Christmas The Woodwork Shop is thinking about setting up a Christmas Tree before Thanksgiving and decorating it with ornaments from various clubs and patrons with 100% of the proceeds going to

Saint Jude. In years past the ornament sales have exceeded \$2000 for charity. We will discuss this again in late summer.

Fund raising for the 2020 has been hindered by the Covid-19 pandemic. We were not able to sell items at the Pink Palace Craft Show which was canceled and the annual Christmas Party auction was also canceled due to Covid-19. Mike Maffitt was approached by the Memphis Arts Collective to participate in their annual "Holiday Artist Market", but with such short notice this was not an option for us this year. We will circle around next summer and evaluate if this may be another opportunity, we might want to pursue this year. The board is evaluating the potential of applying for a Non-Profit Tax Exempt 501(C)3 status to save money. It appears that this option does not yield much value to the club and if not managed well could present costly tax problems in the future. Due to the downsides and minimal saving potential, we will not pursue a Tax-Exempt option.

Following our January Zoom Meeting at 2:00 there will be a live event sponsored by AAW "Master Series". Betty Scarpino will offer an in-depth exploration into woodturning design using a fast-paced PowerPoint presentation. From beginner to advanced, there will be inspiration for everyone.

- You'll hear about ingrained concepts and pushing boundaries.
- You'll learn about the deconstruction process and how using this method can make additional design variations possible.
- You'll find out how to evaluate the success of surface design and embellishment combinations, from subtle to outrageous.

You must register before January 22nd at 12:00 pm. The cost is \$10 for AAW members, \$15 for non-members. Even if you cannot join the live event, your advance registration includes online replay of the event. If you purchase the replay after the event, the cost of the replay may be higher due to additional processing costs.

Presidents Challenge:

I am kicking off this year with a President's Challenge. Most of us have some extra time on our hands to design, plan, execute and even embellish some sort of kitchen utensil (no bowls, plates, or kits). You can use any wood or acrylic. We will show & tell our efforts during the February Zoom Meeting. All participants will receive (on credit) 5 raffle tickets that can be used once this Covid-19 isolation is over and we begin meeting again live at the Bartlett Center. The tickets will be held by our treasurer and can be used during any live meeting later this year. Get those creative juices working, have fun, keep safe, start turning.

Bob Wolfe

JANUARY 2021

New Officer Bio's

Bob Wolfe

I moved to Tennessee in 1971 to attend the University of Tennessee where I graduated with an engineering degree. I met my wife of 45 years at UT and landed my first job in Memphis Tennessee at Procter and Gamble's mill Buckeye Cellulose. My wife Ann & I raised two sons in Memphis during my 45 year tenure at Buckeye. I was promoted to Plant Engineer until my retirement in 2014. I was asked to stay on as a contract engineer for the past six years.

I began woodworking as a hobby in 2005 making small wood objects and furniture. In 2012 I purchased my first lathe (Rikon mini lathe) to turn pens and make small bowls. I was self taught and struggling to learn how to turn. I was introduced to MSWG by a friend and co-worker from my early days at Buckeye Cellulose, Glenn Alexander. He introduced me to Dennis Paullus who taught me the basics of woodturning and mentored me. I joined MSWG in 2014 and in 2015 was asked to fill in for a vacancy in the MSWG board as secretary. Since then, I have been on a journey of learning being taught & mentored by club members and attending several national symposiums.

I am looking forward to the upcoming year with hopes that the COVID-19 pandemic will be beaten down and allow us to meet again at the Bartlett Center as a group. Until then we will continue to meet on Zoom and provide limited socially distanced learning and turn-in events.



JANUARY 2021 New Officer Bio's

Larry Sefton

B.S. in Engineering – Western Michigan University

M.B.A. Indiana University at South Bend

Retired

I am an engineer by birth. I am also a woodturner, husband, father, grandfather, and uncle. I started woodturning in 2004 but have worked with wood for much, much longer (furniture, home repairs, etc.). During 2008 I served as president of the Mid-South Woodturners Guild. In 2016 I was honored with an Honorary Lifetime Member Award by the MSWG. In 2018 I am once again on the MSWG board and in 2021 the Vice President. I have had woodturning articles published by AAW.

What I love about the MSWG is the willingness of the membership to share the breadth of their knowledge, skills, and experiences with other members.



JANUARY 2021

New Officer Bio's

Jeff Brann

B.S. Electrical Engineering – University of Kansas 1969-70

M.A.S. Aeronautical Science -Embry-Riddle University 1984

Retired

At heart I am a military and commercial pilot. As a pilot I have flown for and retired from the USAF and FEDEX. These careers took me to most world continents and I have forgotten how many countries I have visited. I have flown in two major conflicts for the US (Vietnam and Dessert Shield I). When I could not fly anymore(FAA age limit) I became a woodworker, then woodturner. I also enjoy computing. I am a husband, father, grandfather, uncle and wine guru (good REDs!). I started woodturning in 2014 and Skip Wilbur, Rick Stone, and Rick Cannon have been my in-club mentors and truly great friends.

I joined the Board of Directors of MSWG as a Member-at-Large in 2019 and volunteered for the Secretary's position last year. What I love about MSWG is the opportunity it gives all interested woodturners to learn from the best with the demonstrators presenting in-person or online. I look forward to help the club get thru Covid's grip on our society and restore some normalcy to our meetings later this year. MASKS ON!!



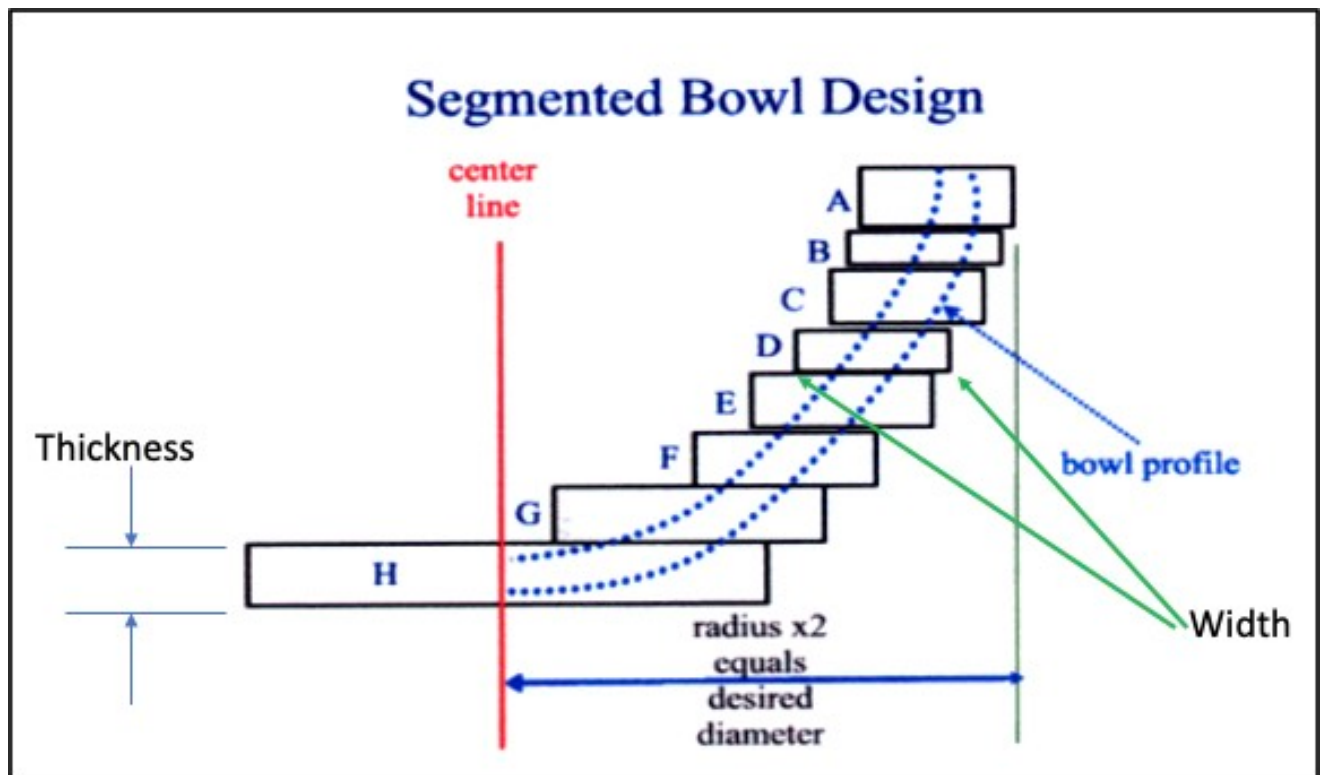
Discover Segmented Woodturning

PART II

Are you ready to start on that segmented woodturning project? Getting started is sometimes the most difficult part of learning something new as we always need understanding about the subject. The understanding includes how, what, when, how much, where, etc. about the subject. This is where this article will help you get started into your journey of segmented woodturning.

As with any turning project/process there are many different approaches to achieve the same result, this is very true with segmented woodturning. This article will share with you some of my recent successes and failures. However, I have been trying many of the processes and developing those that work best for me. My advice is to "learn" by trying for yourself and continue to develop those approaches that work best for you.

The process starts with a concept/image of the item to be built. Once you have the concept/image of the item, it is time to put it onto paper in a design sketch. The start of a segmented design looks like the sketch shown below

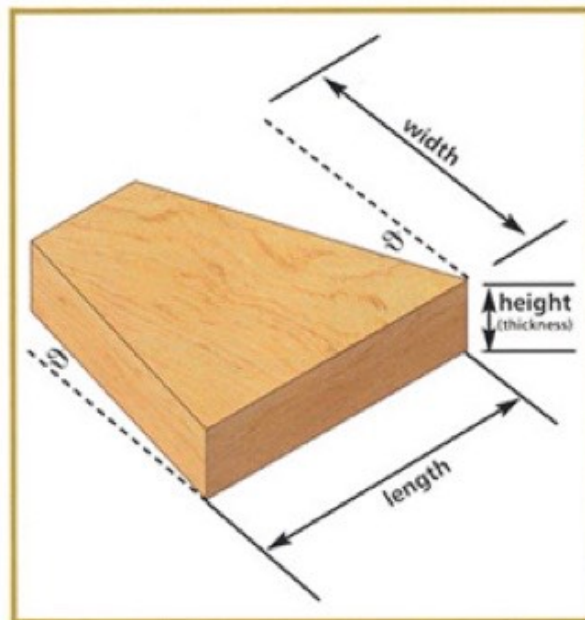


(cont. on next page.)

From this sketch we can determine the number of rings needed (i.e., 7 rings) the stock thickness, the width of each segment, and the inside/outside diameter of each segment. The segment width is determined by the inside profile and the outside profile plus extra material for the build process. Not shown at this time is some of the details like veneer layers and/or a detailed ring that can be included.

You can start designing each segment and the rings. You must select the number of segments to be include in each ring. The number of segments is determined by the diameters of the ring. If the number of segments is low there could be flat spots (i.e., due to the arc in the segments) on the finished turning. If the number of segments is high, then each segment is very small and difficult to handle. Select the number of segments so that the segment length is between 1 and 3 inches (i.e., based upon a bowl size of 6 to 14 inches in diameter).

The segment dimensions are determined by the material thickness (i.e., height), length and width. These dimensions are shown in the sketch below.



The length is determined by a quick calculation:

$$\text{Length} = (\text{outside diameter} \times 3.1415) / \text{number of segments}$$

For example, if the ring outside diameter was determined to be 6.5" (as determined by the sketch) and we select 12 segments per ring the segment length would be:

$$\text{Length} = (6.5 \times 3.1415) / 12 = 1.702''$$

(cont. on next page.)

The width of the segment is determined from the design drawing (ref. Figure 1). This drawing is constructed to the exact scale of the item to be built. This allows us to measure the segments from the design sketch. Four-square graph paper is helpful for doing this work. The drawing is created by drawing each segment to the material thickness (i.e., usually 3/4" stock) and the inside and outside diameters so that the curved surfaces are covered with extra material. Next, we can measure each segment's outside diameter and the width of the stock that is needed for each layered ring.

We are now able to start preparing the stock material for the project. For the best results, the stock should be finished on all four sides; that is all 4 surfaces have been jointed and planed. Having stock material that is square and true will improve the accuracy of the segment cutting process. Doing your best with the stock preparation will improve the accuracy of the segment cutting process. Do take your time and prepare the stock as best that you can prior to cutting the segments. The thickness and width are determined from the sketch and the length is determined by calculation. The angle for cutting the segments is determined by the number of segments selected for each ring (i.e., Note: this item will be covered in more detail in the next article on cutting segments).

The basic tools needed for segmented woodturning are a table saw and/or a power miter saw. Other items needed are wood glue (e.g., Titebond), rubber bands or hose clamps, and a scale or caliper. The length needs to be determined with moderate accuracy since it determines the ring diameter. A caliper is the best tool for this job; the caliper is a nice to have tool, a scale will do an

Segment Number:	16					
Angle :	11.25					
Item Number	Width	Diameter	Length	Amount Needed		
Base	solid	8	solid	x		
1	2.75	10	1.963	31.415		
2	1.5	11	2.160	34.557		
3	1.5	12	2.356	37.698		
4	1	12	2.356	37.698		
5	1	12.5	2.454	39.269		
				180.636	inches	
				15.053	feet	
				1x6 boards	32.843	inches
					2.7369	feet
				\$2.50	\$6.84	Cost

acceptable job. We will cover the cutting of the segments in the next article.

There are several software programs that can be used for the design and building of segmented woodturnings. You can search the internet for these software options. Below is a simple MS-Excel spreadsheet that provides many of the calculations based upon the design sketch information (ref, Figure 1) as input. This design was for a large 12.5" diameter Walnut bowl. The cost to build this bowl was \$6.84 for rough cut walnut stock at \$2.50 per board-foot. Think about the cost of a solid walnut bowl blank of this size (i.e., 12.5" diameter by 5" thick), if it could be found anywhere

Using the above Table, we can start the cutting of the segments for each ring. The stock would need to be cut to the widths that are shown above i.e., 2.75", 1.5" and 1.0". The amount needed for a specific stock width is the total length (Amount Needed in the above Table). You should include a bout 2" extra to account for the curf of the saw blade. Also, I have found that having a few extra segments is a good practice and will save time.

The length of each segment is shown in the above Table. This length is the outside edge of the segment and is determined by the diameter and the number of segments selected for each ring. For a small diameter ring the number of segments can be small. For example, rings less than 5" in diameter can use 8 segments, rings less than 8" in diameter can use 12 segments and rings less than 14" in diameter can use 16 segments. In general, as the diameter increases so should the number of segments increase. Try to avoid designs that have very small segments as they will be difficult to handle during the gluing process. Also segments that are too large in length could result in a flat spot or "void" when doing the turning.

Typically, the number of segments per ring is the same for each ring. If the number of segments per ring is not the same, they should be a multiple of each other so that the spacing of the glue joints between segments can be maintained. We will discuss the "brick-layering" method for the ring assembly in another article. For now, try and leave the number of segments the same or a multiple of each other (e.g., 8 segments, or 16 segments or 24 segments, or 32 segments, etc.)

Another stock item that must be prepared is the base for the item to be built. The base is typically a solid piece of wood. You can use solid wood bases up to about 7". When the base exceeds about 7" in diameter, a "floating" bottom should be used. The solid wood base should be planed flat and made to the approximated diameter. A wood veneer is placed between the solid base and the first segmented ring; don't forget to have some veneer available.

In summary, the "tips" for this article are as follows: 1) – create a design for the object to be built, 2) use the design drawing to determine the outside diameter and width of each ring, 3) – joint and plane all 6 surfaces of the stock (do your best to get the stock square, straight and flat), 4)- select the number of segments per ring, and 5)- calculate the length of each segment. You are now ready to start cutting the segments.

BILL BLEAU

Part III will conclude this series next month

BOARD MINUTES

AGENDA FOR JANUARY 2021

1. Discuss Demonstrator Schedules.

January 23, 2021 - Craig Timmerman

February 27, 2021 - Larry Sefton

March 27, 2021 - Roberto Ferrer

April 24, 2021 - Dennis Paullis

May 22, 2021 - TBD

June 26, 27, 2021 - Avelino Samuel

2. Club Business

A. 2021 Board of Directors

Bob Wolfe - President

Larry Sefton - Vice President

Jeff Brann - Secretary

Doug Woodward - Treasure

Members at Large

Sam Dawson

Jan O'Dell

Rick Stone

Event Chairmen:

A. Pens For Troops Event Demo - Sam Dawson

B. Pink Palace Craft Fair September - Mike Maffitt

C. Octoberfest -

D. Christmas Party - December 15th - Bob Wolfe

E. Charities Chairman - BOC - Joseph Voda

F. Demonstration Opportunities Chairman - Joseph Voda

G. Demonstrator Chairman - Bill Bleau

B. The New Bylaws passed the vote. I need to send updated bylaws to AAW.

C. The PayPal buttons on our website have been updated to "Variable" amount buttons, so we have a little more flexibility for dues.

D. With the new equipment we will have the ability to stream our meetings to those who don't want to meet face to face. I would suggest providing that service through 2021.

E. We need to start filling in demonstrators for 2021 - 2022.

F. When and How to have Auction event? We can have it early next year? Email? Facebook Live? Had commitments from several members willing to donate pieces.

G. People are sending in dues by both check and using the Paypal on our website. \$40 individual, \$60 family.

H. We need to start thinking about "Turn In" events for 2021. L. Joseph, Bob needs an Excel version of the roster.

INSTANT GALLERY



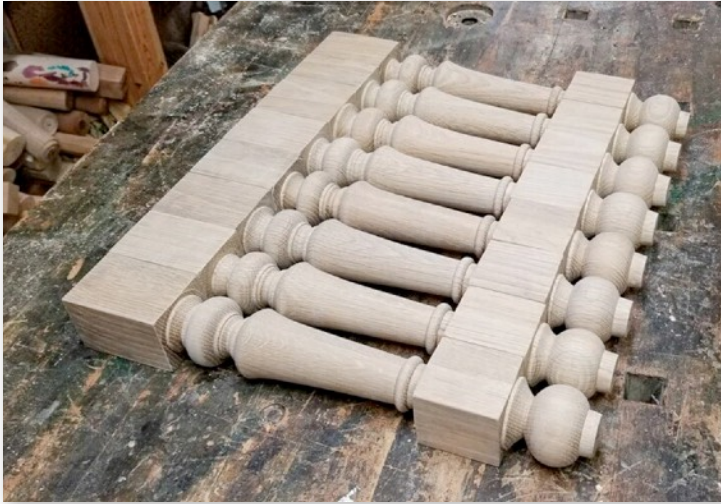
RICK STONE



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



<http://www.woodturner.org/>



RICK STONE





MIKE MAFFITT



KEVIN PEARSON



LARRY SEFTON



BOB WOLFE



BOB WOLFE





BOB WOLFE



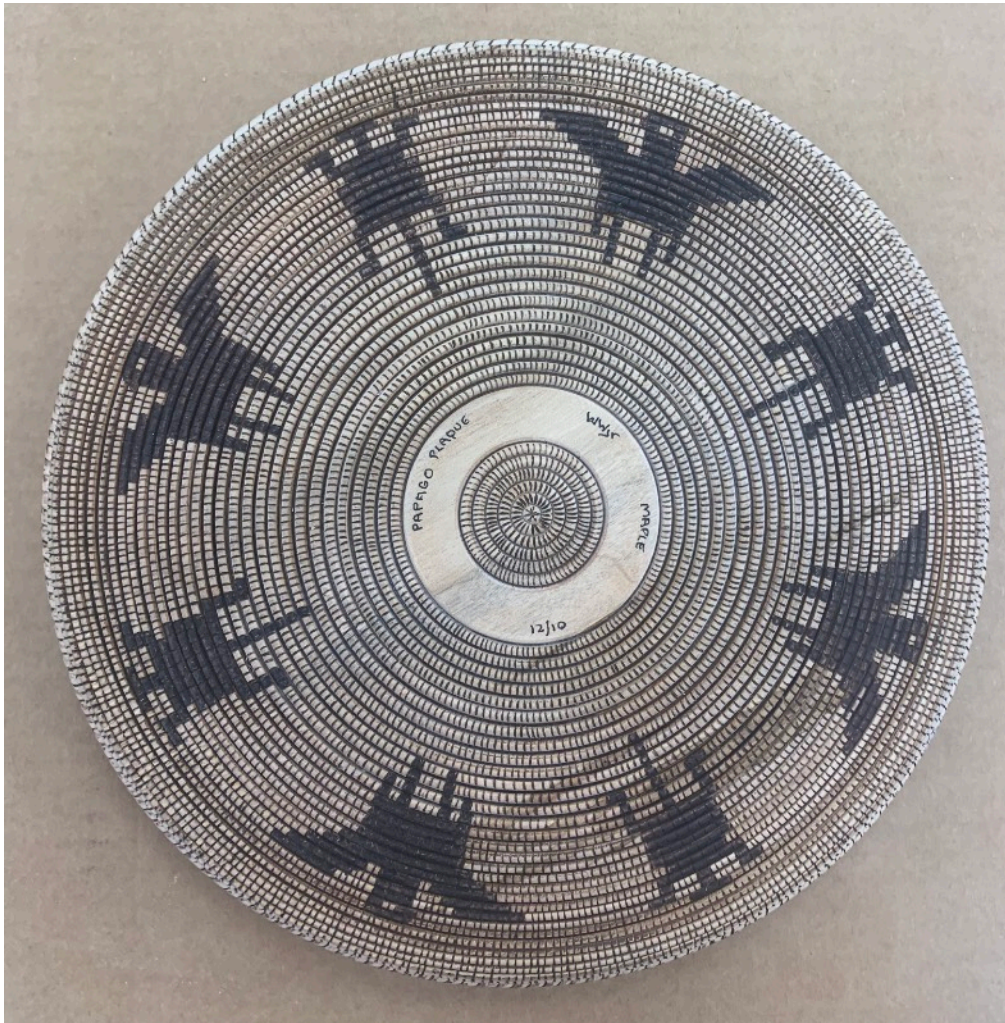
SKIP WILBUR





SKIP WILBUR





SKIP WILBUR



**RICK
CANNON**

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



RICK CANNON





RICK CANNON



MOST IMPORTANT TEAM MEMBERS

Upcoming Demos & Events

January 23, 2021

Craig Timmerman - Zoom Demo

February 2021

Larry Sefton - Zoom Demo

March 2021

Roberto Ferrer - Zoom Demo, Rose Engine Carving

April 2021

Dennis Paullis - Zoom Demo, TBD

May 2021

surprise

Joe Hagan's last bowl

Sponsor & Suppliers

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