



COMBINING RESIN AND WOOD FOR TURNING: JON BERKE AND MICKEY GOODMAN

Jon demonstrated the process of creating the resin blanks. Mickey demonstrated turning resin pieces. Jon's larger molds are boxes made of nylon cutting board ordered online from Ebay. The cutting board is trimmed to size and taped. For smaller pieces of wood, plastic cups can be used as molds. The trick to getting a good blank is to arrange two or three pieces of wood in the mold so there is empty space for the resin to flow into.

Basics of Making and Turning the Blank

1. Mix the resin 50/50 by weight, **not volume** until the color of the mix is uniform (completely mixed) Jon uses Alumilite resin, purchased from TurnTex Woodworks.
2. Arrange two or more pieces of wood, leaving space in between for the resin to flow into.
3. Pour the resin into the mold filling to above the wood pieces.
4. Place the mold under vacuum for 2-3 hours to pull bubbles out of the resin
5. Release the blank from the mold once it's set.
6. Cut off the corners of the blank with a band saw.
7. Turn the blank into a cylinder on the lathe, using light cuts to avoid breaking pieces of resin off.
8. Shape the outside with a bowl gouge and hollow it to 1/4" thickness. Jon uses the Harrison hollowing system.
9. Make a lid for the piece, to hide the rough inside.
10. Finish the outside. Sand to 3000 grit (needed for a smooth finish on acrylic). Apply shellac, then two coats of tung oil + polyurethane.

Making the Mold

1. Place the wood into the mold. In this demonstration, Jon used a disposable cold drink cup for mixing the resin.
2. Pour rice over the wood pieces until it fills the cup above the wood, shake to level the rice.
3. Pour the rice into the cup you will be mixing the resin in. Mark it halfway and at the top. This step measures the volume of the void spaces around the wood.
4. Pour the rice out and store it back into its container for later use.
5. Pour Part A (yellow) of the resin to the halfway mark you made.
6. Weigh the cup, double that number and pour in Part B of the resin until the weight equals double the amount of Part A.
7. Stir the mixture thoroughly until it is a uniform color throughout.
8. Add dye/colorant, stir until uniform, then stir in pearlescent powder. Jon used silver. Do this quickly to avoid the resin setting up. You have about 12 minutes total mixing time.
9. Pour resin into the mold cup over and around the wood.
10. Place the cup into the pressure pot, seal the pot up, start the compressor and run it 2-3 hours at 60-80 psi. If the seal on the pot is good, the compressor can be turned off once it's up to pressure. If not, leave the compressor on for the full 2-3 hours.

Turning Resin Pieces

Start turning at 900rpm. Hold the blank between centers with a spur in the chuck and live center in the tailstock. Make a foot/tenon and chuck it. Turn the piece as you would a bowl. Mickey puts a rare earth magnet in the flute of the bowl gouge to deflect the chips away from his hand.

Resources

TurnTex Woodworks - <https://www.turntex.com/>



**Mounted
between Centers**



**Turning the
Face**

Alumilite Resin

<https://www.turntex.com/product/casting-with-alumilite/alumilite-clear-8-lb-kit-detail>

Harbor Freight – Painters’ Pressure Pot \$99.99

<https://www.harborfreight.com/2-1-2-half-gallon-pressure-paint-tank-66839.html>

PHOTOS BELOW COURTESY OF JON BERKE:



Burl Placed in Mold Box



Rice Poured Over Blank to Measure Volume



Pour Rice into Containers for Measuring



Mark Containers: At Top and Halfway



Tools & Supplies For Mixing Resin



Mold After Pouring and Setting up



Remove the Blank from the Box



Saw the Blank on the Bandsaw



Rough the Blank on the Lathe

MEETING NOTES FOR MARCH 24, 2018

We welcomed two guests to the meeting

Treasurers report:
General: 5005.04
Education: 1650.00

The Mike Mahoney visit showed a loss of \$223.92. Please remember to invite a friend or two to these events to help the club break even.

Auction of Alan Moltz's shop to benefit our club to be held today at 2:00PM at Brian Rosencrantz's house.

Friends of Okeehelie Annual board meeting April 9.

Okeehelie Nature Center Earth Day Celebration April 28. Please email Brian Rosencrantz to participate in demonstrating, or feel free to stop by during the demonstrations to visit for a bit.

Scholarships available to club members for woodturning schools.

Mounts Garden Spring Show and Sale April 28-29. Please email Bruce Williams to participate. Please stop by and visit if you are at the plant show.

Next Meeting April 21

Eli Acevera visit end of May. Wednesday and Thursday Hands on spots are still available. Contact Bruce Williams to sign up.

Demo is **FRIDAY** June 1

Need volunteers/nominations for 1 club member to become a board member.
Need a volunteer/nomination for someone to become chairman for the sales/shows.
Tim Rowe has resigned from these positions.

2019 AAW Symposium will be held in Raleigh NC That is close enough to drive. Make your plans now!!

Auctioned off Mike Mahoney Demo bowl for \$50.00

Kevin Konynenbelt received the bring back from Brian Rosencrantz for February.
Dominic Cavallo received the bring back from Kevin Konynenbelt for March.

"CASTING BURL IN RESIN" MICKEY GOODMAN AND JON BERKE BY KEVIN KONYNBELT

Mickey uses Alumilite resin, available from Turntex.com and others, as well as alomalite brand colorings, dyes, mica powders, and metalics.

Molds can be made from a HDPE cutting board or a disposable cup or bowl.

Place the burl chunks in the mold in such a way to highlight the bumps, figure, and etc. yet put the cut edges in a place likely to be turned away. Pour white rice into the void to measure volume (add about 10% for waste). Mix Part A And Part B of the alomalite well (50%/50% by volume, Some resins are mixed by weight so read your instructions). The open time of the mixing is critical! Some are 7 minutes, some are 12 minutes, you need to get it poured well within that time. After the two parts are mixed very well, you can add dyes, mica powders, metalics etc., these are often left slightly unmixed to produce variations in the patterns and swirls. Pour into mold, avoiding as many air bubbles as possible. Then place in a pressure pot to shrink bubbles. Mickey uses 80psi, but do not exceed the rating for your pressure pot.

After curing for 24 hours or more, the blank is ready to be turned. Mickey uses a bowl gouge for the outside. Keep it sharp and take light cuts, it can be a bit chippy. For Hollowing out the hollow form Mickey recommends the Simple hollower. After sanding through the grits apply a coat or two of Minwax tung oil finish.

INSTANT GALLERY



**Brian Rosencrantz
Maple
Lost Wood, Offse Hingee**



**Kevin Konynbelt
Cherry,, Mahogany, Abonoya**



**Dan Lague
Left: Ash, Mahogany
Right: Mahogany, Conifer**



**Fred Bohle
Maple Rock-a-Bye Box**



**Fred Bohle
Mahogany
Rose Engine Work**



**Teri Kaluris
Walnut?**



**Cindy Murfey
Maple, Wenge, Spalted Box Elder**

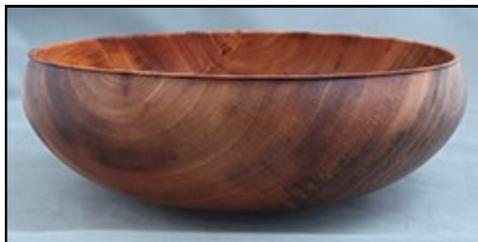
INSTANT GALLERY



**Dominic Cavallo
Cedar**



**Steve Hlasnicek
Oak, Maple, Walnut**



**Bruce Williams
Calabash Bowl**



**Bruce Williams
Black Milk Pain Rim**



Unknown



Bruce Williams



**Mike Mahoney
Unfinished Calabash Bowl**



Blake Patteson

INSTANT GALLERY



**Cindy Murfey
Spalted Mango
Work in Progress**



**Carl Schneider
Tamarind, Turquoise**



**Cindy Murfey
Koa, Dyed Maple Finial**



**Fred Bohle
Purple Heart, Maple
Rose Engine Work**



Unknown



**Mickey Goodman
Brown Mali, Epoxy**



**Cindy Murfey
Spalted Box Elder**



**Carl Schneider
Mango**



**Palm Beach County Woodturners
Application for Scholarship**

To: PBCW Scholarship Committee

Date: _____

I _____ would like to apply for a scholarship in the amount of
(your name)

\$ _____, for the purpose of attending a class/workshop with _____
(\$250 or \$500) (instructor's name)

at _____ . The course description is _____
(teaching location)

_____ (attach copy of brochure, if available) and the date of this class/
workshop is _____.

My purpose in attending this class/workshop

is _____.

I understand and agree that I will be required to do one or two club demonstrations after the completion of the class/workshop.

Name

Email

Address, City, State and ZIP Code

Telephone

Woodturning Scholarships Available

Anyone interested in receiving financial assistance from the PBCW to attend a recognized woodturning course may apply for a grant in the amount of \$250 or \$500 to assist with expenses. To apply for a grant simply complete a grant application and give it to a member of the education committee. The education committee members are: [Bill Jones](#) and [Brian Rosencrantz](#).

In return for the aid the scholarship winner must agree to provide one or two demonstrations for the club at regular meetings during the year following attendance at the course. Eligibility for the scholarships will be judged by the club's education committee.

**Upcoming Demonstrations,
Shows and Events**

2018

**May 10-12—Utah Woodturning
Symposium Provo, Utah**

**June 14-17—AAW Woodturning
Symposium**



Friends of Okeehееlee Nature Center
Membership

Name(s): _____

 Address: _____

 City: _____ State: _____ Zip: _____
 Phone: _____
 Email: _____

Membership Type
 ___ Student (\$10)
 ___ Individual (\$20)
 ___ Family (\$35)
 ___ Donation \$ _____

If interested in volunteering at the Nature Center, check here: _____
(Volunteer minimum age: 15. Under 18: Parent/guardian approval required.)

Make checks payable to: Friends of Okeehееlee Nature Center

Please return this form

and payment to: Friends of Okeehееlee Nature Center
7715 Forest Hill Boulevard
West Palm Beach, FL 33413



Thank you for your continuing support!

Office Use Only
 Date: _____
 New ___ Renewal ___
Payment
 \$ _____ Cash
 \$ _____ Check # _____

Contact Us:

| | |
|---|--|
| President: Bruce Williams (561) 626-8203 | Workshops: Bruce Williams (561) 626-8203 |
| V.P.: Bill Helfferich | Newsletter: Jean Talbott (561) 308-5415 |
| Treasurer: Brian Rosencrantz (561) 667-3346 | Librarian: Fred Bohle |
| Secretary: Kevin Konynenbelt | |
| Membership: Dan Lague | |

Meetings and Local Events of Interest 2018

**Meeting Location: Okeehееlee Nature Center
7715 Forest Hill Blvd, West Pal m Beach, FL**

2018

April 21—Meeting 9am-12noon at the ONC
This is one week earlier than usual due to the Earth Day event at the ONC next week

July 28—Meeting 9am-12noon at the ONC

August 25—Meeting 9am-12noon at the ONC

April 28—9am-4pm Earth Day at the ONC
Please bring spin tops to hand out.

May 26—Meeting 9am-12noon at the ONC

June 23—Meeting 9am-12noon at the ONC