

Next Meeting: April 18, 2015

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BILL KRUGER—PEPPERMILL DEMONSTRATION

Bill has been a member of the Club 14 years.

Tools and Supplies

Wood – 2-1/2" cross-section, end-grain piece, appropriate length of the grinder shaft you've chosen
Grinder mechanism – there are two basic types, shafted and shaft-less. Bill chose a shaft-less crush grind model. For shafted models, buy an all-stainless mechanism.

Cone-Shaped Live Center – like the one pictured here:

<http://www.rockler.com/oneway-live-center>

Spindle Roughing Gouge

Skew Chisel with the Lacer grind

Forstner Bits—These are specific to the grinding mechanism:

1-3/4" Forstner Bit

1-9/16" Forstner Bit

1-1/16" Forstner Bit

Colt Extension for Forstner Bits

Thin Parting Tool – Bill uses a filing knife he adapted

Custom jam chuck to secure the work

Walnut oil or lacquer for finishing



**Bill with the Blank at the
Rough-Turned Stage**

The Process

Rough turn to almost round with a spindle roughing gouge.

Chuck the end of the blank that will become the top of the peppermill in the headstock. The Forstner Bits will be mounted in the tailstock in a Jacobs chuck and used to drill out the center as required by the directions included with the grinder mechanism.

Mark off where you'll part off the body from the bottom/housing for the mechanism.

Drill a 1" recess with the 1-3/4" Forstner Bit in the bottom/housing of the peppermill. This recess makes room for the pepper to come out of the bottom of the grinder.

Drill another 2" further in with the 1-9/16" Forstner Bit. This section will hold the grinder mechanism. Bill has tape marks on the bits and the Jacobs chuck to indicate the distance to drill for each step. He doesn't have to stop and measure.

Part off the bottom section from the body where marked earlier.

Drill a 1-1/16 inch hole where the peppercorns will go. Allow as much space as you want plus about 3/4" for the stopper at the top and the tenon that will fit into the bottom. The more space for peppercorns, the less often you will need to fill the mill.

Turn a tenon at the lower end of the body so that it fits into the housing snugly but turns easily.

Use the jam chuck and the cone-shaped live center in a pressure fit to turn the profile of the grinder.

Turn a stopper for the top. Glue in the grinder mechanism. The directions call for making a notch for the ears to snap into. Bill used glue for securing the grinder to the top without fitting it into a notch.

Finish with walnut oil, lacquer or the finish of your choice.

Warning: The directions that come with the grinder mechanism Bill uses do not allow enough space to glue the grinder mechanism's ears into the body of the mill. Plan accordingly! The tabs may need to be ground off.

BILL KRUGER—PEPPERMILL DEMONSTRATION CONTINUED

Turners need to charge at least \$60-65 to make turning peppermills pay. Once you have experience with the process, you can turn a peppermill in about an hour or a bit more. Bill suggests using throwaway wood the first few times until you are comfortable with the process.

The crush grind models can be used for either coarse salt or peppercorns. The shafted models come in a number of different lengths. For these, the dimensions are very critical – you cannot shorten the majority of shafts. There is a shafted model of the crush grinder available.

Resources:

Crush Grind Mechanisms:

Lee Valley: <http://www.leevalley.com/en/wood/page.aspx?p=57737&cat=1,250,43243>

Craft Supplies: <http://www.woodturnerscatalog.com/p/53/5242/CrushGrind-Click-In-Mill-Mechanism>

Woodcraft: <http://www.woodcraft.com/product/146927/Pepper%20Mill%20CrushGrind%20Mechanism%20Ceramic%20Shaft.aspx>

Instructions:

Lee Valley Tools Instructions for their Crush Grinder:

<http://www.leevalley.com/en/shopping/Instructions.aspx?p=57746>

Penn State Industries Instructions for the Stemless Crush Grinder:

http://www.pennstateind.com/library/PKCRUSHW_ins.pdf

This version uses 3 separate blanks for the top, the middle, which holds the peppercorns and which seats the ears of the grinder.

Building a Shaftless Crush Grind Peppermill by Chuck Ellis:

http://familywoodworking.org//forums/oversize_attachments/Building%20a%20shaft%20less%20Peppermill%20-%20by%20Chuck%20Ellis.pdf

This appears to be a slightly different method for making a crush grind peppermill, but the dimensions of the holes drilled are basically the same as for Bill's method.

NEXT DEMONSTRATION: FINIAL BOX BY CARL SCHNEIDER

Carl was away and did not have access to a photograph of his own, but suggested this example by Carl Ford to look at what he would be turning during the demo. Ford describes his as a Cindy Drozda style box.

Ford has an interesting website with a fairly extensive picture gallery. If you are interested, you can check out his website here:

<http://www.carlford.us/>



INSTANT GALLERY AND BRING-BACK



John Buso—Bring Back



Jim Davis—Spalted Maple



Brian Rosenkrantz—Mahogany with Birch Burl Insets



Gerhard Scwenke—Rosewood



Gerhard Scwenke—Podocarpus



Jean Talbott—Mahogany, Jimmy Clewes Workshop

INSTANT GALLERY AND BRING-BACK



Blake Patterson



Blake Patterson



Blake Patterson



Blake Patterson



Blake Patterson



Carl Schneider—Mahogany



PALM BEACH COUNTY WOODTURNERS MINUTES FOR MARCH 28, 2015

At 9:10 AM, the meeting was called to order by President Dan Lague.

40 members and guests were present.

Jimmy Clewes Demo Handouts: Dan announced that he has handouts from the Jimmy Clewes demonstration. Contact Dan if you did not get a copy.

Demo: Bill Kruger demonstrated making a peppermill.

Next Meeting: After the demonstration and clean up, Dan announced the next meeting will be at Okeeheelee Nature Center on April 18. The demonstrator will be Carl Schneider. Demonstration pieces made by Rudy Lopez, Johannes Michelsen, and Jimmy Clewes will be auctioned off to benefit the club.

Meet & Eat Picnic: This year's Meet and Eat Picnic will be held in the Nature Center Screen Room after the meeting. Dan will send an email to confirm attendance please respond so the club can calculate what it needs to purchase. There is no cooking facility so the food will be prepared off site. Members are invited to bring a dish but it is not required.

Earth Day Demonstrations: Okeeheelee Earth Day celebrations will be held at the Nature Center April 25. The PBCW will participate with demonstrations and a display of members' work. Members are invited to attend.

Spring Show and Sale: The Spring Show and Sale at Mounts Botanical Garden will be held April 25-26. Setup will be on Friday April 24. Members wishing to take part should contact Gerhard Schwenke.

May Meeting Demo: Our May meeting will feature a demonstration of segmented turning and a peppermill gallery challenge.

Treasurer's Report: Bruce Williams reported that the club has \$6300.77 in the general fund and \$1500.00 in the education fund. The Jimmy Clewes event reversed the recent trend of the club losing money on professional demonstrations.

Future Featured Demonstrators: This November the club will host Trent Bosch and in February 2016 our demonstrator will be Glenn Lucas from Ireland.

Tim Rowe - Workshop attendance and courtesy. The club's Wednesday workshops are conducted by Tim's permission in Tim's personal shop. It is important that those who take advantage of Tim's hospitality realize this and act accordingly. Please put tools, chucks, centers and other items back where they came from. Bring your own supplies, wood, glue, finishes, sandpaper etc.

Bring Back: The bring-back raffle winner was Carl Schneider who received his prize from last month's winner John Buso.

50/50 Raffle: Lauren Wolfe won the 50/50 raffle and graciously donated her half to the club treasury.



John Buso hands his Bring-Back to Winner Carl Schneider



Members are reminded that the coffee and donuts served at every meeting cost the club about \$45 per month. If you partake, leave a little something in the donations cup, so that we can continue to enjoy them.

**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](#), [Brian Rosencrantz](#) and [Al Gruntwagin](#).

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 PBCW
Demonstrations,
Shows and Events**

- February 28th – Jimmy Clewes March**
- April 18th – Tentative Date for Picnic**
- April 25th – Earth Day at Nature Center**
Demo Northeast side of building outside
- April 25th Mounts Plant Sale**
- June 27th Mounts Tropical Fruit Sale**
- September 12th Mounts Orchids Show**
- November 7th – Mounts Fall Plant Sale**
- November 14th – Trent Bosch**
All day

Contact Us: President [Dan Lague](#) (561) 818-5298
V.P: [Gerhard Schwenke](#) (561) 715-7075
Treasurer: [Bruce Williams](#) (561) 626-8203
Editor: [Jean Talbott](#) (561) 963-9755

To remove your name from our mailing list, please [click here](#) .



Friends of Okeehееlee Nature Center
Membership

Name(s): _____

 Address: _____

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

Membership Type

___ Student (\$5)
 ___ Individual (\$10)
 ___ Family (\$20)
 ___ Business (\$100)
 ___ 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

\$ _____ Check # _____

Okeehееlee Nature Center Meetings & PBCW Events 2015

February 28th – Jimmy Clewes - All Day demo/meeting

March 28th – Bill Kruger – Peppermill construction 9am-12pm

April 18th – Carl Schneider – 9am-12pm Tentative Date for Picnic

April 25th – Earth Day at Nature Center Demo outside, Northeast side of building

April 25th Mounts plant Sale

May 23rd – Tim Rowe – 9am – 12pm

June 27th – TBD

June 27th Mounts Tropical Fruit Sale

July 25th – TBD

August 22nd – TBD

September 26th – Bruce Williams – 9am-12pm

September 12th Mounts Orchids Show

October 24th – 9am–12pm

November 7th – Mounts Fall Plant Sale

November 14th – Trent Bosch – All day Meeting in auditorium

December – 19th 9am-12pm