

Chips & Bits

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October 2018

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Mark Yates

Providing an environment that fosters the art and craft of woodturning

A Publication of the Peace River Woodturners

A Members Notation

I wrote a note in the May 'Chips & Bits' asking each of us to enter one or more pieces in the WoodArt Expo. Our participation is very beneficial to the Club, to the community, and to us as individual turners. It is an exhibition; a once a year 'display case' of the proud work that we do as a club and as individuals.

Ted Beebe

2019 SOUTHWEST FLORIDA WOODCARVERS, INC. WOOD ART EXPOSITION & COMPETITION

**Charlotte Harbor Event and Conference Center, 75 Taylor Street, Punta Gorda,
FL 33950**

When: **Friday**, January 11th & **Saturday**, January 12th, 2019 from 9:00 a.m. to 4:00 p.m.
both days.

Admission: Entrance fee is \$7 for one day or \$12 for two days.

Mark Yates

Turn a Spring Tulip

The demonstration for the October meeting was given by Mark Yates on how to turn a wooden tulip on your lathe. Wooden flowers can be turned on the lathe and a Tulip is a great example of a colorful spring flower that will look great in a turned bud vase. Mark's demonstration was recorded on a DVD for the club library and other good examples can be found on YouTube.



Woodworm Screws

Mike Peace

Many turners do not take advantage of one of the easiest and quickest ways to mount some projects on a lathe—the woodworm screw. This is basically a large screw chuck. While you can buy a dedicated screw chuck, most scroll chucks come with a woodworm screw. This is a machined screw held within the jaws (Photo 1). A woodworm screw is cylindrical rather than tapered like a typical wood screw and has sharp, deep threads. These threads are designed to bite into the workpiece with a minimum of damage to wood fibers. The screw has a base that fits beneath and against the underside of the jaws to prevent it from being pulled from the chuck.

Woodworm screws also have four grooves or flat areas for the jaw slides or chuck jaws (or both) to fit against, to prevent the screw from twisting and coming loose. Some, like the one that came with my Super Nova 2, have a channel that the jaws close around.

The woodworm can speed up the process of getting the exterior of small bowls formed and a tenon turned for a chuck to grab onto. Another advantage is that you can remove and remount the piece with a good chance of it running true.

How to use

Insert the screw into the #2 jaws and start to tighten the jaws. Pull the screw forward so the base fits against the back of the jaws, and then finish tightening. This will prevent any tendency for the screw to creep forward when it is being used.

Ensure that the workpiece has a flat surface where it will touch the top of the chuck jaws. Pre-drill a hole into your workpiece slightly smaller in diameter than the screw size, and about $\frac{3}{4}$ " (20mm) deep. Teknatool says drill a $\frac{5}{16}$ "- (8mm-) diameter hole for their woodworm screws. Oneway specifies a 9mm- or $1\frac{1}{32}$ "-diameter hole for their Stronghold and Talon chucks. Check the instructions that came with your chuck for hole diameter.

A woodworm screw has its best hold in face-work such as a platter or small bowl, but can do well with small endgrain projects. Most of the holding strength comes from the large jaw surface that is pulled against the wood. One way to strengthen the grip even more is to make a large-diameter hardwood washer of side-grain flat stock that fits around the jaws when closed and is even with the top of the jaws (Photo 2).

Woodworm screws are not suitable for hollowing projects or other work where the workpiece tends to project out from the chuck toward the tailstock more than about 4" (100mm). Longer projects tend to cause leverage problems that require a stronger holding method than a screw chuck.

Tips

Use tailstock support as long as possible.

Keep the rpm at a safe speed for the size of the piece, but probably no more than 600 rpm.

Do not use this chucking technique with punky or otherwise unsound wood.

When using on softer woods or green wood, you can strengthen the wood fibers by adding thin CA glue to the walls of the drilled hole.

Do not leave green wood on a screw chuck overnight. Rust can make it extremely difficult to remove.

If you cannot remove the piece with two hands, remove the screw from the chuck with the piece attached and try unthreading the screw with a wrench.

After threading on the blank, try rocking it side to side to ensure there is no movement.

Rub a little candle wax on the screw threads to make it easier to remove the work.

Keep in mind that when turning, the workpiece can actually get tighter.

Sometimes the standard hole is too deep for the wood. An example would be when turning a plate from $\frac{3}{4}$ " (20mm) stock. Simply add a spacer made of MDF or plywood, $\frac{1}{8}$ " to $\frac{1}{4}$ " (3mm to 6mm) thick, to shorten the amount of screw that is exposed (Photo 3). The woodworm for the Super Nova2 or Nova G3 projects about $\frac{1}{2}$ " (16mm) while the one for the larger Titan chuck projects $\frac{3}{4}$ " (20mm) beyond the jaw surface. A hole only $\frac{1}{4}$ " (10mm) deep can securely hold a 12"-(300mm-) diameter platter.



SHOW & TELL



Bob Moran



Norman Desjardins



Rawson Beals



Bob Schaffer

SHOW & TELL



Brad Knowles



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Bob Roehrig

SHOW & TELL



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Chapter Information

Peace River Woodturners Inc. (PRW) is an organization formed for individuals interested in woodturning and was formed on Oct 1, 2007. The primary purposes of the PRW are consistent with the fundamental purposes of the American Association of Woodturners: To provide information, education and an organization for those interested in turning wood.



The PRW web site can be found at:
www.peaceriverwoodturners.org



AAW site can be found at:
www.woodturner.org

Photo's

Photographs for this months "Chips & Bits" were provided by Bob Roehrig. If you have digital photo's that you would like to have considered for use in the newsletter, please send them along with any articles to the editor at:

rjroehrig@gmail.com

Membership

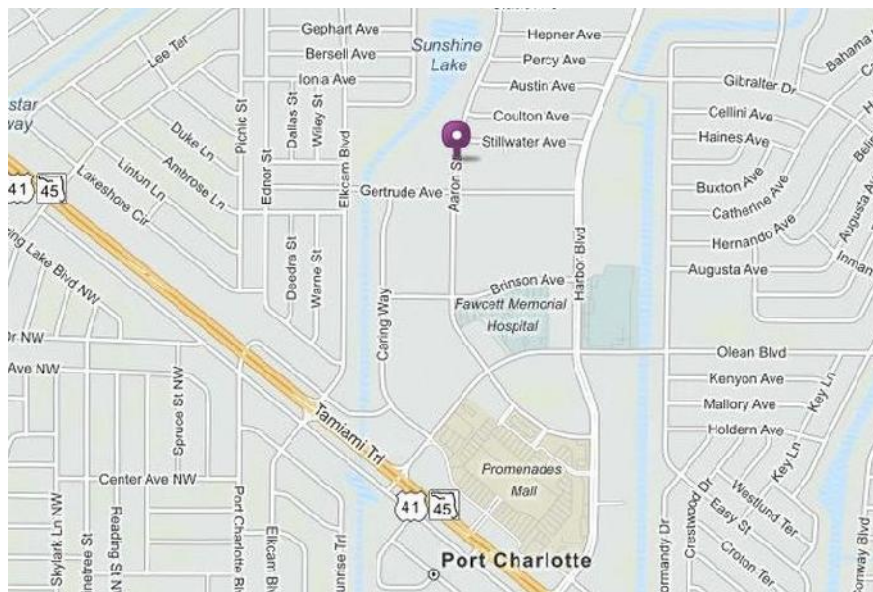
Yearly chapter dues are \$50 per individual or \$60 a family. Membership is for the calendar year. These dues help the club provide tools for our monthly demonstrations, bring in outside demonstrators, pay room rent, have a yearly picnic and other club related activities.

Meeting Location

Our Meetings are on the first Thursday of the month starting at 6:30 pm and ending by 9:00 pm. We meet at the **Charlotte County Cultural Center** located in Port Charlotte, FL



Our next meeting is:
Thursday November 1, 2018



Upcoming Events

PRW meeting: November 1, 2018

Demonstration: Dave Watson

Library

The Library is available for all current club members. The club library contains Books, magazines, and DVD's available to check out.. A list of materials is available on the PRW website:

www.peaceriverwoodturners.org

Please help us maintain the library by returning checked out items promptly. The library is maintained by Cheri Bauer. New material can be ordered by request.