



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

Next Meeting

The Next meeting of the Corridor Woodturners will be held at 6:30 PM on February 10th at the Marion High School wood shop, 675 S. 15th St. Marion, Iowa.

Don Potter will show us how he makes his travel mugs.

Upcoming meetings

February 10, Travel mug-Don Potter

March 5-6 Carvers/Turners Show

March 10, Captive rings- Tom Mills

April 14, TBD

May 12, Boxes- Don Coleman

We need demonstrators for April and the rest of the year.

If you have any ideas or projects, step up and show the club how you do them.

Dues for 2022

As we look toward a new year, the time to renew your membership is at hand. There is a form included in the newsletter. In the future please go to the web page and download the renewal form and present it and your payment to Don Coleman at the January meeting or if you wish, mail the form and your payment to Don at the address listed on the form. You have until February 24th to get this done for the new year. That is the day of the Board meeting and the list of new and renewal forms will be tallied and the membership cards for 2022 will be prepared and included with your name badges at the March meeting. Those who paid dues for last year will be considered paid for this year.

The dues remain at \$25 per year or \$30 for a family. New membership cards for those who have paid will be included with your name tag at the March meeting. The membership card may be used for a discount at some stores that cater to woodturners, be sure to ask.

Last Meeting

Last month we had a discussion on sharpening with Ray Hamilton and Bruce Kruse. Here are some of the topics discussed:

STEELS

Regular steel turns blue at a low temperature of 200 degrees, at which point it loses its temper, and as such is not preferred for woodturning tools.

High Speed Steel (HSS) has Tungsten and other metals added and makes the tools stronger, harder, and importantly able to tolerate high temperatures up to 700-1000 degrees without damaging the integrity of the tool. HSS is known for ability to create sharpness, and tolerate cutting forces.

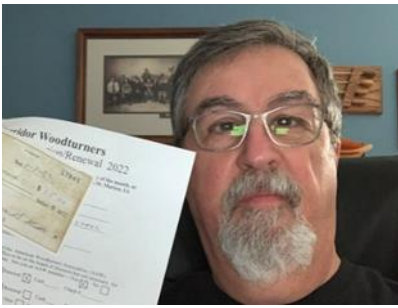
Carbide (aka Tungsten Carbide, Cemented Carbide) is a compound of Carbon (not a metal) plus a metal (Tungsten), cemented and compressed into a composite by nickel or cobalt (preferred). Much like gravel in a bag of Portland cement to make concrete. Keep in mind diamonds are Carbon compounds made under extreme pressure and heat several billion years ago. The composite is extremely hard, lasts a long time, however has a component of brittleness.

ABRASIVES - aluminum oxide wheels are softer and some are designed to fragment specially for HSS.

Diamond abrasives on files or cards are used for light fine refining of edges. Cubic Boron Nitride (CBN) wheels are extremely durable and incredibly long lasting. Use on steel only!

Bruce demonstrated diamond sharpening: Honing, and Diamond filing can be used to make a very fine, highly sharpened cutting edge. Microscopic irregularities from a wheel are filed smooth. The sharpening stones, and diamond files and cards are held by hand close to parallel to the bevel or flute surfaces. They are usually stroked towards the sharp cutting edge to be sharpened. Photo micrographs show smoother cuts on wood with finish diamond sharpening. The advantages are likely to be short lived in routine turning, due to the miles of travel.

General sharpening: mark bevel with Sharpie marker to evaluate progress. Use low speed grinder. Orange sparks will fly down over towards you signaling that you have reached the sharpened edge. Consider profiling the tools first, then flip and sharpen up to the acute edge. Most turning can be done well with tools sharp-



Boy, Oh, Boy, that felt good! It's great to be back in our former space at the Marion High School wood shop. Plenty of space for meetings and storage, and plenty of parking. Maps are on the club website.

COVID is still out there, so masks are encouraged. Let's stay safe.

We will continue to collect dues for 2022 at the February meeting. Dues are \$25 for the year, \$30 for families. You must include the membership/renewal form with your payment! (see photo above). The form is the most reliable way for us to keep track of who you are, and if you have an address or phone

number change. You can find that form either with this newsletter, or on the club website.

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This month's demonstration will be Don Potter making a travel mug and adding some surface decoration. Should be great. You can see some of his work on the club website; click on 'Gallery P-S' and navigate to Don's page. We are going to return with the Project-of-the-Month drawing. Bring your travel mug to the March 10 meeting, describe it during show-n-tell and you'll be entered in a drawing for a gift certificate. We haven't had this for a while, so I hope to bring it back with gusto.

The carvers/turners show is coming soon to the Czech and Slovak museum, March 5 & 6, 10:00-4:00. Our club will have a table for display, and also be turning at our traveling lathe with live demonstrations. There will be a signup sheet for taking a shift at the club table, both for talking to visitors and for doing live turning. There's an info sheet for the show on our club website. This show also includes judging; there will be six categories for turnings: *Plates and bowls; *Hollow forms; *Pens, pencils, and jewelry; *Functional; *Segmented turnings; *Any other. Our club wants to strongly encourage submitting your work to judging, so we'll have gift certificates for those who participate in the judging.

If you have some ideas for future meeting topics, make sure to let the board know. If you'd like to present a technique or project you've done, we encourage you to give a demonstration yourself. Time to crank up the lathe and crank out the projects. (But don't be cranky)

---Tom Mills



Tom Mills-Manzanita-Poly-S&T



Bob Ristow-S&T



Brad Davis-S&T

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Bruce Kruse-Walnut-BLO-S&T

Name -Wood - Finish - Category
 Legend: AO=Antique Oil WOP=Wipe on Poly POM=Project of the month S&T=show and tell
 BLO= Boiled Linseed Oil SB= Salad Bowl finish FOG=Found on Ground



Brad Davis-S&T



Tom St John- Cherry-AO-S&T

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Library Information

Do you use the literature library? What items would you like to see added, what would make it easier to use? See Gary Nosek and make your wishes known.

Last Month Continued from page 1

ened directly off of the sharpening wheel. In general, avoid creation of points or abrupt changes in contour which can cause catches.

Several tools can be sharpened off of a platform (scraper, roughing gouge....) Several (or all) can be sharpened free hand (parting tool).

Scrapers are not sharpened to get them sharp. Rather the goal is to create a bur on the top edge off of the wheel, to do the work. A 75 degree or so front bevel is satisfactory to get the heel out of the way and avoiding a shallow more pointed bevel angle which may be grabby.

Gouges can be sharpened with a high degree of consistency and very short contact time on the wheel with a V arm and jig. There are 3 variables to get set. Try to fix 2 of these permanently for rapid, reproducible sharpening. (Avoid operator error: Go light, minimal, on the side grinds so as to avoid a flat side with a non helpful, hazardous point at the top back of the grind. Rather, roll the tool almost upside down on both sides to make a nice rounded side and back top side grind.). This will also create a wide range of very safe cutting angles and options along the path of the bevel, engaged by a small twist of the handle, all within one tool.

For Sale

Have something for sale? Let the club members know about it here. Get the info to John Cox to be added to the next newsletter

ONEWAY STRONGHOLD CHUCK, Standard Jaws and CHUCK KEY No Worm Screw With Manual and box.
\$240.00 with 1 1/4 Inch x 8 TPI Taper Lock Adapter.
\$210.00 without Taper lock Adapter.

ONEWAY STRONGHOLD PIN JAWS - \$50.00 (do not fit Talon or Scroll Chuck)

(1) FaceOff Diamond Hone - New in package - Made by Sharpal \$20.00

Bruce Kruse 319 431 6555 bak515@aol.com

Turn-On Chicago is Back!

A note from Al Miotke

Chairperson, Turn-On Chicago.

We have a fantastic line-up of demonstrators including **Beth Ireland, Cynthia Carden, Andy Cole, Jacques Vesery, Avelino Samuel, Eric Lofstrom, Keith Lackner, Roberto Ferrer, Clint Stevens, Marie Anderson, and Rob Wallace.** You can also count on seeing an excellent tradeshow area, instant gallery with awards, banquet, auction, hands-on pen turning event to support our troops, and a WIT meeting.

The location of the event has changed this year. The symposium is being held at the Crowne Plaza-Northbrook Hotel and Convention Center. This is a newly renovated facility with an attached hotel so everything is under one roof. It is also easy to get too and is close to interstate highway 294 in Northbrook, Illinois. Registration will be opening soon, but you can learn more about the event and the convention center by visiting the website.

www.turnonchicago.com.

Dues Structure and Meeting Attendance Policy

Club dues are:

\$25.00 per year for an General membership.

\$30.00 per year for a Family membership

\$100.00 per year for a Supporting membership.

Dues are for the calendar year January 1 thru December 31 with a grace period ending at the close of the February meeting. New membership cards will be distributed at the March meeting.

Dues paid in September and later by NEW members will be considered in force for the rest of that calendar year plus the following calendar year.

Potential members may attend two meetings as a guest then must either join the club or pay 1/4 of the current general membership fee to attend a regular meeting.