



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

### Next Meeting

The September meeting of the Corridor Woodturners will be the annual picnic to be held at the shop of Tom and Stacy Nehl on **Sunday September 13**. Their shop is located at 1008 Rolling Glen Dr., Marion, IA. Open turning will start at 9:00. Lunch will start at 12:00. The club is providing the meat and drinks and you are asked to bring something to share. If you don't care to eat off of paper plates with plastic utensils bring your own place setting. The Challenge project participants will have a chance to describe their projects during this time.

**If you wish to have a place to sit bring your own chair.** The silent auction will start at 1:00 PM. We have a good supply of bowl blanks and other items to bid on. There will be a minimum of four lathes available. If you have a lathe bring it, or just your tools. Is there something you want help with? Let a board member know and we will try to have a solution for you. This is a great time to ask questions, get some hands on help with any turning problems you may have, check out a technique another member has shown or get some help on sharpening your tools. It is always fun and educational to turn with a group, something new is picked up every time. There will be no show and tell or project of the month but next month the POM will be something made from or with something you got at the picnic.

### John Jordan Demo

The John Jordan demo is shaping up nicely. If you want to attend and have not signed up yet bring your application and money to the picnic to get in on the event.

### Last Meeting

Last month John Mac Dougall, assisted by his daughter Elizabeth, presented a program in two parts. The first part was about using dye to enhance a turning. John used a pen blank to demonstrate the technique. Adding a wash of a dark dye such as black or deep blue to the entire blank and then sanding the blank to reveal the areas that the dye had not penetrated deeply. Another wash of dye was added and worked into the wood and sanded down. This could be repeated as many times the turner wanted depending how the colors blended. The final result won't be revealed until the finish is added and the colors achieve their final color. It is a trial and error process and practice with different woods and dyes is essential to have an idea of what the final result will be. John used Artisan coloring dyes, available at Craft Supplies for the demonstration. Three or four different colors should be good for starters.



The second part of the program was to demonstrate the use of the various casting methods to create pens or other items that are unique to the individual turner. John described the materials used in the process and their good and less than good qualities. He also passed around samples of his work showing how to print on Avery labels and paste pictures or designs on to the barrels of pens and cast them in epoxy or polyester resin. Here again the ideas are limitless. John also showed different ways of making molds, from simple wooden strip molds held together with hot glue to purchased molds of silicone designed for specific pen styles. He went through the process of mixing resins and techniques of how to blend the catalyst with the resins and how to pour the resin into the molds to avoid getting bubbles in the mix as well as some ideas on getting bubbles out if they did get in. Painting the pen tubes to avoid brass show through was advised and a simple rattle can paint is quite sufficient to get the job done.



Kevin Bierman

Hello to all . As I write this we are in what I hope is the last day of this oppressive heat wave. It looks like more fall like temperatures will be in order for the club picnic this weekend. As a reminder for old timers and for any new members we will be having the annual open turning session and pot luck at Tom and Stacy's shop on Sunday. I hope you all can make it as this is a real good chance for some hands on tool use and to ask any questions you might have.

Thanks to Tom and Stacy for making this possible.

I know we have beat this subject to death but I wanted to say a few things about the upcoming John Jordan seminar. We as your officers and board members did not just decide to stick our necks and the clubs money out without a lot of debate. It has been quite a few years since we had done anything like this and since one of main reasons we have a club is teaching, we pushed forward. This is not the sort of thing you can just throw together in a weeks time, most of our monthly board meetings have been on getting this set up as a first class presentation. Many, many hours have spent on the phone and running around looking at this and getting that and we are just a little under a month away from show time.

We have and will continue to ask for the clubs help and support. There will be many little things we will need help with before, during and after the seminar. Please get with myself, a club officer or board member if you can help even a little. When we were finally able to make all the stars align and set the date we knew there would always be a conflict or two, did not expect so many. Many of the club members that had something else have chosen to support the club financially by paying for both days even though they will probably only attend one day. I and the rest of the club thank them very much. We never went into this with the idea we would make money but break even would be nice.

We have two very good opportunities to increase our skill levels coming up in the next month and I hope I will see many of you soon.

Kevin

P.S. I have decided that being on my feet eight hours a day is not my cup of tea so I no longer work at Acme Tools. I have enjoyed being able to B.S. woodturning and woodworking with many of you! Don't forget to ask for your discount!



**Byron  
Bohnen-  
Hickory  
and Cher-  
ry Burl-  
lacquer-  
POM**



**Jim Colbert  
-Cherry,  
Oak & Wal-  
nut-Tung  
Oil**

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**Don Coleman**



**Greg Ellyson-Maple-Metal effects paint**



**Glenn Hunt**



**Jordan Ferr-Antique Oil**



**Bruce Kruse-Walnut**



**Stacy Nehl-Boxelder-Salad bowl finish**



**Harold Rosauer-Walnut Burl-Salad bowl finish**



**Dean Sherman-Walnut**

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**Paul Rohrbacher-Walnut- Antique Oil**



**Bob Ristow-Basswood & Cedar-WOP**



Anita Woodroffe -Walnut



Harold Rosauer-Padauk, Basswood - lacquer

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Tom Nehl-Walnut burl & Wenge



David Tegler



Joannie West



Ron Lukeroth



**Tom/Stacy Nehl-Silver Maple & Walnut**



**Greg Ellyson-Maple-Colored markers**

**M  
E  
M  
B  
E  
R  
S**



**Dean Sherman-Walnut**

**G  
A  
L  
L  
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Y**



**Harold Rosauer-Black Ash-Salad Bowl Finish**



## From Joe's Shop

In last month's "President's Article", Kevin noted the price differences between the inexpensive turning tools and the better quality products. You can get a set (6-8 tools) of cheap tools at Harbor Freight or Menards starting at about \$15.00 while a similar set of Sorby tools cost \$300+. A good half inch bowl gouge will set you back close to \$100.00. What's the difference between the cheap and expensive tools, they are all made out of steel and after all, steel is steel. Isn't it???

Joe Lesko

Steel is made from iron and small amounts of carbon and, often alloyed with different elements and gets heat treated to best fit its intended end use. There are perhaps 2,000+ different types

of steel out in the marketplace so a design engineer has a plethora of options to choose from to pick an alloy to best fit their intended application. Factors used in picking a steel alloy for turning tools include cost, manufacturability, thermal properties and ability to keep a sharp edge.

The inexpensive tools are typically made from a High (.5% - 2%) Carbon Steel (HCS). HCS tools can be sharpened and the specific alloying elements and heat treatment will determine how well the finished gouge will keep its edge. One of the biggest drawbacks in carbon steels is that it loses its ability to keep an edge if it is exposed to high temperatures. Many of us can remember keeping a glass of water near a grinder to cool material so as to not lose its temper.

Most of the better turning tools such as Sorby, Crown, Henry Taylor and most other name brands are made from "High Speed Steels" (HSS). This material differentiates itself from High Carbon Steels as it can withstand higher temperatures without losing its hardness (temper) This property allows it to cut faster for longer so it keeps its edge better than high carbon steel, hence the name High Speed Steel. HSS gains its properties with the addition of 10%+ of Tungsten and Molybdenum. Most tool manufacturers use different blends of alloying elements and heat treatments in their high speed steels, for example, T1 HSS is often considered to be the "baseline" HSS and most turning tool manufacturers have evolved to a M2 HSS alloy which is a Molybdenum based HSS that is alloyed with Tungsten, Chrome, and Vanadium and it's carbides are small and evenly distributed. Many other manufacturers utilize a M35 or M42 HSS (different alloying elements), a "Powdered Metal" process where metals are made from metal powders (a process too complex to include in this article) or cryogenically treat (really cold, near to absolute zero) as opposed to heat treating their tools to provide an "as advertised" longer time between sharpening for their tools compared to their competition.

OK, based on the above, HSS tools are better than the cheaper HCS because they can keep a better edge longer. They are more expensive than HCS tools because the HCS tools are easier to fabricate because of the nature of the material, and the alloying elements (Tungsten, Molybdenum and in some HSS alloys, Cobalt, Vanadium, Nickel etc.) are much more expensive than those used in HCS. In addition, most of the better HSS tools are made in the USA or Sheffield, England as opposed to being made by lower cost Asian suppliers for the HCS tools. You get what you pay for so that's why HSS tools are a turner's best choice.

## An Opportunity to Check Out

Thomas W Woodward is an Iowa City woodworker who doesn't do any turning has a request. He is looking for some one to turn some Indian clubs. They are commercially available however Tom would prefer to support a local craftsman. What are they? Easier than trying to describe them here are two links, one for the commercially available items and one to show how they are used. (<http://www.oldtimstrongman.com/products/classic-wooden-indian-clubs>) and [http://www.amazon.com/Indian-Clubs-2-Pound-Pair/dp/B004YK6466/ref=pd\\_sim\\_sbs\\_200\\_4?ie=UTF8&refRID=01R1YEDWN5MZQY4STSBY](http://www.amazon.com/Indian-Clubs-2-Pound-Pair/dp/B004YK6466/ref=pd_sim_sbs_200_4?ie=UTF8&refRID=01R1YEDWN5MZQY4STSBY)

Plug the information into your search engine and check them out if you are interested.

Tom can be reached at: Woodward, Thomas W <[thomas-woodward@uiowa.edu](mailto:thomas-woodward@uiowa.edu)>

His phone number is [319.359.9417](tel:319.359.9417)

### **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

### **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.

### **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.

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.