



Next Meeting Details
Topic: "Turning Tulips": Steve will demonstrate the steps to use in turning a tulip! Turning samples will be available for \$5 and will include a "how to" write up. There will be 20 kits available on a first come first serve basis. Proceeds will go to the Project.Goodwill.
Speaker: Steve Reznik
Date: Thursday, March 3, 2011 6:30 p.m.
Learn & Turn
5:00 to 6:25 p.m.
Topic: The Learn N Turn for the March meeting will feature a "Ring Stand" . Reid Gilmore will be the instructor assisted by Richard Hunt. Learn N Turners should bring spindle gouges. The Learn N Turn will begin soon after 5:00 PM.
Leader: Dave Eaton

Minutes 2/17/2011 Eric Holmquist

Attendance: 35

Previous minutes were accepted

Treasurer Report

Starting Balance: \$4313

Income: \$ 594

Expenses: \$ 594

Ending Balance: \$4907

Treasurer observed that the numbers did not make sense and will provide correct information

Jerry Sambrook reported on upcoming big name demo's

May 2011 – Jimmy Clews

Sep 2011 – Kirk Dehier

May 2012 – Malcolm Tibbets

Reid Gilmore reported on the Woodworking Show at the Big E. It was well attended, and Craft Supplies USA provided several \$10 gift certificates. Springfield Channel 3 news had a reporter there who interviewed me. The bottle stopper turning is me, the hollow form turning is Frank White.

<http://www.cbs3springfield.com/news/local/Thousands-Come-to-Big-E-for-Woodworking-Show-113854229.html>

Ray Aslin suggested that in comparison with Central CT Woodturners, our booth was not very impressive. The principle element that CCW had was lightweight shelving and lighting for a large collection of turnings. Ray will investigate upgrading our look and the feasibility of transporting our existing shelving to future shows.

"It is time to pay dues!"

President's Message **Charlie Croteau**

There has only been a short time between meetings this month. Hopefully March's meeting will be full of good cheer and educational things.

The Yankee Wood Swap at my shop went well. Everyone ate too much between the pizzas, grinders, shrimp, cheese, cracker, etc. Good thing we had enough fine wine on hand to wash it all down. Tough being an American! The strange thing that happened at the swap was that nobody traded the wood they picked out. Everyone was glad to get the pieces they picked and didn't want to trade. I ended up with some 2" thick cherry, and yellow wood, some thinner black walnut and big leaf pine burl. A very nice haul indeed, why would I trade??? I think the fact that nobody traded is a testament to the generosity of our members.

March is upon us, can spring be far away?

Keep turning.

Charlie

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Charlie reported nothing new on the Project Goodwill front.

Dave Eaton reported on two upcoming field trips

Bad Dog Burls – Mid April (2nd or 3rd week)

Schwamb Mill – May 14th. A motion was passed to pay \$150 to have a craftsman there to demonstrate the oval frame turning equipment operational. There will be an additional \$5 a head cost.

Steve Resnik will demo turning tulips next month. He is selling pre-cut tulip blanks ready for turning for \$5. Proceeds to go to Project Goodwill.

Sierra / Wall Street II style pen kits are now available in the club store.

There are 6 new DVDs in the library

Bill Leclerc suggested getting the AAW symposium demo DVD. Bill will provide further details at next meeting.

Vermont Natural Coatings provided me with a free pint of their Whey Protein based waterborne Polyurethane which I have tried out. This product gives nice results.

Arnie Pay is starting a Scroll Saw club.

Moving the Control for a NOVA DVR 3000

by Mickey Goodman

I have recently acquired a NOVA DVR 3000 wood lathe. The lathe has the control attached to the headstock, which is inconveniently located when something goes “wrong” and you have to stop the lathe since you have to move in front of the spinning piece of wood in order to either stop the lathe or to change the speed. Ideally, the safest placement of the control would be towards the tailstock end of the lathe as many of the newer lathes are configured. I am also a left-handed turner and for some applications it would be easiest to be able to work from the opposite side of the lathe which makes it much more inconvenient to get to the controls as the lathe was designed.

I just came back from a workshop a few months ago where I used a Robust lathe which has a moveable control using an electrical cable as the tether to allow placement of it almost anywhere you want.

I figured if Robust can do it, why can't I retrofit my DVR to do the same.

I spoke to Teknatool's US representative, who, on my behalf, made the call to New Zealand where the lathe is manufactured, and they informed him that it can be done

by purchasing a ribbon cable, for my lathe which is a 26 pin wire with two female connectors to match the connectors on the lathe and I could make my own cable. They said they have tested it to a length of 1 meter without signal loss. The connectors are “snap together” connectors that can be assembled without special tools. You can use a vise to assemble the connector to the wire.

The most expensive part of this project was the freight from the company selling the parts. My total out of pocket cost was about \$25.00.

If you are interested in doing so here are a few pictures and what you need to do:



Unscrew the four Philips Head Screws which attaches the Control to the headstock of the lathe.



Once you unscrew the control from the headstock you will see a cable coming out of the headstock that then plugs into the control. If your lathe is like mine, you will see a ribbon cable with a plug at its end that plugs into the control. You can access the cable end on the control without

taking anything else apart.

You could have another type of cable instead of the ribbon cable. The Teknatool rep said on the later models they used a four wire connector. That would have been a lot easier had they had that type of cable instead of the ribbon cable.

If it is the ribbon cable, like mine, you can purchase the ribbon cable and connectors from www.YouDoltElectronics.com. The connectors were made by Philmore and are IDC Dual Row 26 Position 100 Spacing No. 70-4226 and cost \$1.68 each. I saw in the listing below which is from You-do-It's catalog, that the number was 70-4326 but on the part delivered was 70-4226. Talk to the folks there and they can figure out which is the appropriate number for the piece.

Following is an excerpt from "You-do-it" Catalog" Page 26.

MULTI - CONTACT CONNECTORS

INSULATION DISPLACEMENT CARD EDGE CONNECTORS

FEATURES:

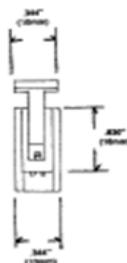
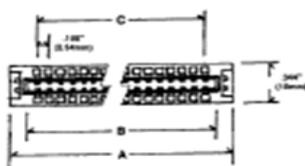
- 14, 20, 26, 34, 40, & 50 Contact available
- Contacts adjust to compensate for P.C. board thickness
- Contact design assures positive connection, assures long cycle life and good self cleaning wipe on P.C. pad.

INSULATION DISPLACEMENT DUAL ROW CONNECTORS

FEATURES:

SPECIFICATIONS:

- Contact Resistance:** 30m ohm max. at DC 100mA
- Insulator Resistance:** 1000m ohm min. at DC 500V
- Current Rating:** 1 Amp Dielectric Withstanding
- Voltage:** AC 500V for 1 minute
- Operating Temperature:** -55°C - +105°C
- Contact:** Phosphor Bronze
- Housing:** PBT & 30% Glass Fiber (UL 94V-0)

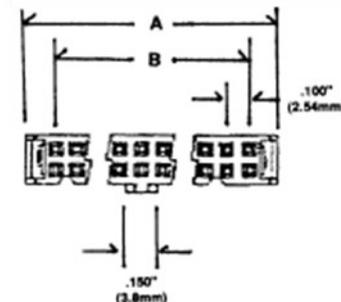
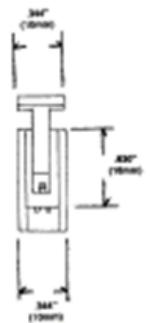
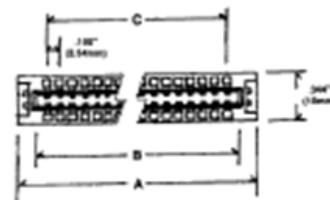


*NOTE: Metric dimensions in Parentheses				
Part No.	Position	Dimension		
		A	B	C
No. 70-4314	14	1.073 (27.26)	.816 (20.72)	.600 (15.24)
No. 70-4320	20	1.374 (34.90)	1.127 (28.64)	.900 (22.86)
No. 70-4326	26	1.673 (42.50)	1.416 (35.96)	1.200 (30.48)
No. 70-4334	34	2.073 (52.66)	1.815 (46.12)	1.600 (40.64)
No. 70-4340	40	2.373 (60.28)	2.115 (53.74)	1.900 (48.26)
No. 70-4350	50	2.873 (72.98)	2.616 (66.44)	2.400 (60.96)

- 6, 8, 10, 12, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 62, 64
- Fully interchangeable with competitive models
- Easily removable molded cable strain relief
- Meets Mil-C-83503 Specifications
- 100" Spacing

SPECIFICATIONS:

- Contact Resistance:** 30m ohm max. at DC 100mA
- Insulator Resistance:** 1000m ohm min. at DC 500V
- Current Rating:** 1 Amp Dielectric Withstanding
- Voltage:** AC 500V for 1 minute
- Operating Temperature:** -55°C - +105°C
- Contact:** Phosphor Bronze
- Housing:** PBT & 30% Glass Fiber (UL 94V-0)



CNEW Skew: Volume 24; Number 3, March 2011

The cable was also made by Philmore and is the appropriate 26 pin cable to fit in those connectors and costs about \$5.00. It should be noted at the time I purchased the cable they only had 34 pin cable so I purchased that cable and removed the 8 excess wires I didn't need.

A word to the wise, the connectors are cheap so buy at least 2 extra connectors so if you happen to screw one up you won't have to call them back and purchase two additional connectors, like I did, and have to pay their flat \$10.00 shipping cost again.

When I spoke to the Teknatool guy, he told me that Teknatool made an extension cable for him to use when he was repairing lathes and that they tested the cable to 1 meter without an loss of signal. I made mine to about 4 feet but wished I made mine to 5 feet so that I could attach my control to my tail stock and have it slide all the way to the end of the bed extension. If I had to do it all over again I would have made my cable 5 feet. If there is signal loss at 5 feet then cut off a foot from the cable and use one of the extra cable connectors for that end.

Now to connect the connectors to the ribbon cable. Make sure that the Red wire is at the appropriate position on the connector. You can figure that out by looking at the old cable. Once I got the position set and ready to squeeze the connector shut, I used my bench vise and slowly tightened the vise until it was closed. I then put the "U" shaped cap on the connector. Once you have the connector installed you can't take it apart. Be careful when installing the connector; that is where I screwed up and damaged a connector and had to go purchase extras.

You now have to remove the "old" ribbon cable and replace it with the cable you just make.

Teknatool has a very good set of directions as to how to replace the ribbon cable. It is written very well and the only change I would make, as directed to me by their US Rep, is that in order to remove the circuit board you don't have to remove the headstock from the lathe as directed in their instructions. Just turn the head stock so that one of the four corners is facing towards you and with an Allen wrench remove each of the four screws from the bottom corners of the headstock. There will be room to remove them.

The direct link to the instructions is: <http://www.teknatool.com/products/Lathes/DVR/downloads/Changing%20the%2026%20Pin%20Ribbon%20in%20the%20DVR.pdf>

Of the entire project, removing the screws is probably the

biggest "pain" to get done since it is not that easy to get to them. It can be done, since I did it and, in my opinion, well worth the trouble. See the pictures to see where they are located.

As I understood from the Teknatool US Rep, some of the more recent models have other than ribbon cables and the location of the cables might be in a different spot on the board. The cable could be on the front of the board rather than at the back of the board like my lathe. Check to see where it is attached on the board before you remove the four screws. If it is at the front of the board; all the easier for you and you probably won't have to remove the screws holding the circuit board to the headstock. Also you might have a different type of cable and connector as mine. If it is different, take a digital picture of the cable and connector and the guys from You Do It Electronics will help you match the appropriate cable.

I happened to have a shrink-tubing that I used to cover the ribbon cable. I rolled the ribbon cable into a tube and ran it through the shrink-tubing to give me extra protection for the cable and attached the tubing to the "foot" of my lathe ways to keep it out of the way. See pictures.

Once you have replaced the cable you should remove the back cover of the control which is attached to the head stock. Four screws hold it in place and you should then replace it on the back of the control with the four screws you originally took off to remove the control from the head stock. I then used magnets from a few old hard drives I had at home, so that I could attached the control to the side of my tail stock.

Once I relocated the controls to the tailstock I was able to utilized the headstock by making a few brackets which I screwed to the headstock utilizing the four screws originally attaching the controls to the headstock and also made a few removable shelves which hold my CA glue and various spur drives. I am also including a few pictures of my shop made lathe stand for those who are interested. If you have questions, feel free to contact me at MGoodman@tiac.net; I would be happy to help.

An "Open Shop" afternoon with Reid and Beth *by Dave Eaton*

It's often said that "variety is the spice of life." I believe this saying rings true in our woodworking experiences as well. Seeing different techniques and methods as well as experiencing other turners styles can often lead us to visit new areas of related matter that we may not have otherwise gone to.

Recently I had the pleasure of having a fellow wood turner open the door to his home and warmly welcome me in for a day of just such experiences. Reid Gilmore and his wife Beth opened their shop to me and a couple other CNEW members in February 2011 when hosting an "Open Shops" visit. On that Sunday, Richard Hunt, Bill LeClerc, Reid, Beth and I started the day with a fresh hot pizza lunch along with Brazilian shredded spiced-chicken pastries. During lunch we chatted about what each other had been doing recently and some events in the wood turning world which were of interest. Around this time we took a small tour of Reid's fine home and perused some of the perhaps 100 artful items scattered about the living room gallery. Reid is an accomplished turner as well as is his wife Beth, each making objects such as bowls, bottle stoppers, pens, vases and fascinating segmented pieces with intricate feature designs. Unknown to me before this was the fact that both Reid and Beth are also gifted flat-wood workers, so proved by their having built several of the objects which furnish their home including a grand TV stand and entertainment center complete with a gallery display cabinet on the periphery.



After lunch Reid brought us into his shop which is located in the basement of the house. Upon entering I noticed that he had the commensurate "woodworker artifacts", all in their proper places as would be expected, including a bandsaw, table saw, jointer, various clamps, piles of wood, miscellaneous jigs and fixtures and of course a wood lathe. Actually there were two wood lathes. It was apparent that our hosting duo not only cohabitate together in harmony but are also able to turn as a husband and wife team simultaneously. Getting down to business, Bill and Richard voiced interest in some of Reid's small hollow ornaments. I know Bill makes small birdhouses and sea urchin ornaments like Reid had in the gallery and Richard expressed interest in the small ornaments he saw, having made a few himself. I also have interest in these items but what caught my eye was that I noticed Reid had used a Banksia pod to make an item or two and

so I inquired about things I could do with the Banksia pods I have. I have to admit, I have had little luck figuring out what object to fashion them into so far.

With this input from his visitors, Reid quickly decided we should make a small hollow ornament body out of a Banksia pod to start the turning day off. That sounded quite logical. He first drilled a hole in a small piece of Banksia pod and mounted it on a dowel glued onto a waste block. He then mounted all this into a four jaw scroll chuck. Reid said using a dowel not only helps to secure the piece and locate it well centered, but also helps you know when you are at the depth necessary to have completed the hollow ornament body. Reid started the rounding and hollowing then presented the spindle gouge to Richard who continued the process. Bill snuck in on the lathe for a moment or two as Richard continued his work. Once the body was completed and hollowed to depth, we stood in awe at this small 1-1/2 inch diameter piece of "wonder" that only took four wood turners to create.

Next up Reid demonstrated how to patinate gold-leaf and copper-leaf foil. He used various chemicals such as Barium Sulfate, Potassium Sulfate and a few others on the imitation gold-leaf and copper-leaf, which had been previously applied to a flat board substrate and sized with a red colored Japan paint. I guess the Japan paint helps the colors of the foil be uniform as well as providing a good substrate for the gold-leafing glue to adhere to. We experienced various levels of "patina-success" by mixing up some dried powder chemicals with water and applying the wet chemical onto the metal surface in a small batch of areas either by droplet or by paper towel then waiting some time. Reid was sure to use rubber gloves while handling these chemicals as they are not necessarily nice to the human skin. I might also mention that they are not necessarily pleasing to the human olfactory center either since most of these smell wound up just like sulfur (otherwise known as the "rotten eggs" smell), which Richard... said smelled like his shop... for some reason. Perhaps he is just very fond of Boston Baked Beans! Of all these chemicals we tried, a couple such as the Barium Sulfate did turn the copper-leaf a considerable blue or red or green hue in the areas affected, while the gold-leaf, though affected somewhat by the concoctions, seemed much more impervious to any drastic surface color or texture changes.

After trying our hand at patinating these metals we decided that a small Banksia pod weed-pot with a plastic liner was next on the agenda. Reid produced a half of a banksia pod about 4 inches in diameter, complete with its "gnarly and nasty" looking holes, and proceeded to mount

Jacobs chuck with a #2 Morse taper onto the tail stock of the lathe and drilled a hole deep enough for the three inch tall plastic test tube. Reid removed the weed pot from the lathe



and started to do a little hand sanding - which is when I picked up a short, one inch dowel and put it on the lathe to spin up a small finger top for Richard who asked me to "do some turning"... So I did. The little top came out nicely and I hope Richard - as you read this - you still know where it is... How about give it a quick spin in memory of our fun day? In order to chuck up the banksia pod such that the tenon could be turned into a nicely finished bottom, Reid took the novel approach of using the Jacobs chuck on the morse taper and inserting it into the headstock with the drill bit still in place. Carefully mounting the banksia pod onto the drill bit, he brought up the tailstock to the vase bottom and proceeded to turn the small tenon off. He also rounded over the base and made a small decorative foot to finish out the banksia pod in total. We added a small bit of Waterlox finish to the pod then inserted the liner for the final time and declared success in our adventure. That was my day, hanging out with some wood turning friends in Reid and Beth's humble abode over in Upton Massachusetts.

On a closing note: Once again I urge anyone and everyone, if you are at all interested in having some fun, socializing a bit, or learning a few new techniques or tricks; Go to another person's house and spend a few hours there. It doesn't matter whether you are the best turner in the world, or the worst... you definitely have something to offer! Even those "less advanced in skill" often bring out a tidbit or two of information which even the most advanced turner sometimes doesn't know (or remember!) As somebody who enjoys frequenting others' shops and having visitors to my shop, I can certainly attest to the fact that it doesn't take the most seasoned expert to teach me a thing or two! So, even though "CNEW Open Shops month" is officially in February, why not consider opening your shop for a day regardless of what month it happens to be. You will have fun.

Demo—Turning a Bowl from a Board

By Dave Eaton

Dave Eaton demonstrated how to turn a bowl from a board. We will have lots of pictures on the web site so make sure you check them out. Here's Dave with the finished product.



Pictures from Show & Tell



Check the web site for turner credits and more pictures.





Membership Application

To join or renew membership, please complete this form and a check made payable to CNEW and bring it to a CNEW meeting or mail it to:

Treasurer, Central New England Woodturners
c/o Mike Peters
3 Forge Lane
Sutton, MA 01590

Annual dues: \$30 including e-mail delivery of newsletter; \$35 for postal delivery of newsletter.



Central New England Woodturners
A Chapter of the American Association of Woodturners



Find us on the web @ www.cnew.org

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Name: _____

Please check appropriately below

Street: _____

New Member

City: _____

Returning Member

State: _____ & Zip: _____

e-Mail Newsletter (\$30.00)

e-Mail: _____

Snail Mail Newsletter (\$35.00)

Please let us know of your interests:

How long have you been turning? _____

What programs would you like to see at meetings? _____

Would you like to demonstrate at a meeting? Yes/No If so, what topics do you offer? _____