



# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 4, January 2002

## January 15th Meeting Open House at Puckett Tools and Fasteners 410 First Avenue NW, Cedar Rapids - 5:00 p.m.

### *Puckett* TOOLS AND FASTENERS

Darrell Puckett of *Puckett Tools and Fasteners* has invited members of the Collins Woodworkers Guild to an open house at their Cedar Rapids store on Tuesday, January 15<sup>th</sup>. The meeting will begin at 5:00 - however, we'll wait till 5:15 or so before we start.

Darrell will give us a tour of his store, outline the brand names they represent and the products they stock. He has arranged for his local Bessey Clamp distributor to give us a presentation on the use and care of wood clamps. Darrell has arranged for a special in-store Bessey Clamp discount for that evening. Bring your checkbooks!

In addition to the above presentations, fellow member, Emil Krepcik will demonstrate his new *Jet JBM-5* bench-top mortiser. He will bring some lumber and drill a bunch of square holes for us.

To complete the evening, Darrell and his staff will provide refreshments. See you there!



Visit [www.pucketttools.com](http://www.pucketttools.com)

### December Meeting

The topic of the December meeting was a demonstration of the club's mat cutting machine by Kelley Kirtz. She outlined the basics of mat cutting, the components of our machine, and how to operate it noting that this was her first experience using one of these cutters. Kelley used a page of commemorative postage stamps as a demo example because of its non-standard size ... which is one of the many reasons to cut your own mats. Selecting a couple of mat stock colors that complemented the stamps, she demonstrated cutting a double mat showing the best methods of operating the cutting tools and how to set the guide bar. The example looked as good as, if not better than, one that you would pay much more for in the store. Thanks Kelley, we enjoyed the presentation very much.

Eric Bong brought a wood project that he had a little difficulty with to share with the club. He made a laminated bookend set from Padauk and Maple. He finished it with polyurethane and found that it just wouldn't cure - after several days. He mechanically stripped the poly and

tried lacquer but it released the dye from the darker wood which was then absorbed by the lighter wood. This orange mess wasn't what Eric was looking for so he stripped it again. He then called Wayne Hanson who noted that most exotic hardwoods that have extensive oils, will modify the chemical reaction required for some finishes to cure. The solvent in the lacquer simply dissolved the oil and spread the dye. He suggested using shellac to seal the wood first then apply your favorite finish after it is dry. Wayne also mentioned reading the book *Understanding Wood Finishing* by Bob Flexner. (CWG library item number 141)

Wayne Hanson brought a craftsman-style lamp he had recently completed. He constructed it from walnut using a plan in an issue of *Woodsmith*. This writer thought it looked really good ... of course I do like this particular style of furniture. It reminds me of Frank Lloyd Wright's designs.

Later in the meeting Duane Weber won the sixteen-foot tape door prize and Kelley Kirtz won the twelve-inch centering rule.

## Book Review

By: Tim Rundal I

Being in the woodcarving business and teaching I read lots of books trying to find the ones that would be beneficial to my students and customers. I think I have read about every one on the market. Some are very good and some aren't.

Recently a new book was published that I think would be listed in the "very good" column. The new book is written by well known woodcarver and instructor Ivan Whillock called *Carving Eyes, Features and Expressions*.

Ivan takes you through eyes, noses, the mouth and chin, and ears. He shows the contours and features in a way that we all can understand. In Ivan's unique way he takes you step by step through a very simple method of carving each feature. By the time you work your way through the book you should have a finished head carved of your own.

As usual in Ivan's books he has lots of drawings and reference photos to help visualize each feature. This isn't a long book, only 48 pages, or an expensive one, retailing at only \$15.95. It's easy to follow and comes highly recommended by this instructor. A must have for your library.

Tim Rundall  
The Woodchip Shop  
3825 6th Ave  
Des Moines, IA 50313  
515-283-2171

## A Year Ago This Month

Larry Tjaden presented an overview of the club's web site. He demonstrated how the library check out system works and how to add to the Links pages. Coffee and doughnuts were served.

## Hanson Poll

Next time you're visiting the club's web page take a minute and vote your opinion on the Hanson Poll. Wayne is gathering input for future club meetings and the interests of our club members. The last couple of polls about finishes is working up to a meeting topic on learning more on the subject. In the past we have found that our members want to know more about preparing for and applying various kinds of finishes. Back in November 1998 we had Des Moines Woodworkers Association member, Dick Meuler give us a presentation on finishing. He has just returned from a professional seminar by Bob Flexner and was full of excellent information to share. The meeting was well attended by over fifty members and guests.

## Web Site Usage

By: Larry Tjaden

Our club website server has been pretty busy the last few months. The "hit" counter is pegged-out at over 326,257 visits since last January the first. I think we have entertained visitors from every country on earth so far. Joining the Woodworkers Guild we have the: Collins Amateur Radio Club, Rockwell Craft Club, Collins Model Aviators, Rock-

well Collins Retired Volunteers, Inventory Disposal Store, and the eMuseum all contributing to the count.

The last few months I have been adding historical content to the eMuseum pages. Collins historian and keeper of the treasury, Rod Blocksome has been sharing material for the site. I recently added an impressive collection of Art Collins' QSL cards and some drawings of one of his first transmitters. We also have some mint-condition copies of the first issues of *Collins Signal* to read.

Take a look some time.

## Forrest Saw Blade Group Purchase

CWG member, Dave Wetzel is thinking of organizing another group purchase of Forrest brand saw blades. Several years ago (March 1998) we contacted the local distributor, Ron Collier and arranged for an excellent price discount. If memory serves ... we rounded up over a thousand dollars worth of blades and accessories.

If you are interested in purchasing one or more of these very high quality Miter, Chop, Table, and Radial saw blades, let Dave know.

Visit some of the other Rockwell Collins, Inc. club web sites at:

*Collins Clubs.Com*

Collins Amateur Radio Club

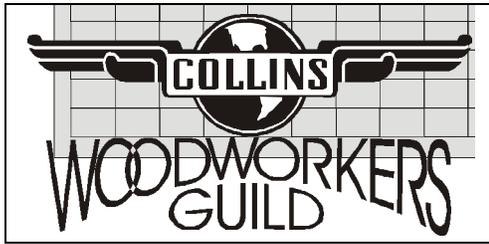
Rockwell Craft Club

Collins Model Aviators

Rockwell Collins Retired Volunteers

Rockwell Collins Company History eMuseum

Rockwell Collins Inventory Disposal Store



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### Vice President:

Dave Houvinen 5-7283 cwg-vp@collinsclubs.com

### Secretary/Treasurer:

Larry Lacy 5-8471 cwg-treasurer@collinsclubs.com

### Membership:

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### Guild Photographer:

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retirees, and contract employees.

Everyone is welcome at our meetings!  
Yearly dues, renewed in September, are \$10.

Keep in touch! Don't miss a copy of the newsletter.  
Send an e-mail to our membership person Larry Lacy at  
cwg-membership@collinsclubs.com and give him your new address.

## Invitation to all members

Got an idea for a meeting topic? Want to contribute to the club?

Attend one of our monthly planning committee meetings.

We meet on the fourth Tuesday of each month in the Main Plant Cafeteria at five o'clock. This year's lineup is Larry Tjaden, Dave Houvinen, Larry Lacy, Lee Johnson, Wayne Hanson and Emil Krepcik.

We greatly appreciate your new ideas. For it is from them that we keep the meetings interesting, well attended, and on target.

## Check out the Guild's website

The Collins Woodworkers Guild website is available for viewing on the World Wide Web at:  
[www.collinsclubs.com/woodworkers](http://www.collinsclubs.com/woodworkers)

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- ◆ Access to our Extensive Library and Tool Collection
- ◆ Open Exchange of Ideas
- ◆ Social Activities
- ◆ Workshops
- ◆ Opportunity to Help our Community through Toys-for-Tots Program
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Is published monthly by the  
Collins Woodworkers Guild  
400 Collins Road NE  
Cedar Rapids, IA 52498  
Attn: Larry Tjaden MS 193-101



# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 5, February 2002

## NEXT CWG MEETING SHOW-&-TELL • BOB WOLF PRESENTATION TUESDAY, FEBRUARY 19 • MAIN PLANT CAFETERIA • 5:00 P.M.

The February 19<sup>th</sup> meeting will feature a presentation by Bob Wolf from the Indian Creek Nature Center. Bob is the Bee Keeper at the ICNC and is in need of some of our membership's expertise to repair several bee hives. In addition to the presentation, we are inviting members to bring along an item or wood-working subject for Show-&-Tell. Dave will review the CWG group purchase of Forrest Saw Blades and products. Larry Tjaden is going to bring a home-built vacuum table for Show-&-Tell.

### BUY SELL TRADE

Have extra tools and materials around the shop? You could-sell 'em to a fellow member. Advertise for free in the Knot Knews.

### COLLINS RADIO COMPANY HISTORY

Are you interested in the history of our company? Retired employee, Ben Stearns has just published his book, "Arthur Collins Radio Wizard". It is available from Employee Services.

Read more at  
<http://www.collinsclubs.com/history>

### LAST MEETING

#### *Puckett* TOOLS AND FASTENERS

The January meeting was held at Puckett Tools and Fasteners store here in Cedar Rapids. Darrell Puckett was our host for the evening along with Douglas Downing representing the Bessey Clamp Company. About thirty-five members and guests were present to tour the store and enjoy some of Darrell's hospitality and refreshments. Douglas gave an informative presentation on Bessey's clamps including the K-Body system and Angle Clamp and the ProTop Portable RT100 and ProTop Complete FTB400 router table products. Douglas and Darrell arranged for a special in-store discount price on several Bessey products and router tables - of which many of our members took advantage of. After the presentation, Darrell gave away about a dozen nice door prizes.

The members of the Collins Woodworkers Guild wish to thank Douglas, Darrell, and his store staff for an enjoyable evening at the store.

### TALKING WOOD AROUND THE OFFICE?

Invite a friend to the next CWG meeting ...

### FUTURE MEETING BY: DAVE HUOVINEN

Your planning committee is always looking for interesting subjects for future meetings. From past experience we seem to have record attendance at our outings to area cabinet shops and wood related businesses. One likely candidate for a trip is Wieland and Sons Lumber Company in Winthrop, Iowa. Discussions with Wieland's management have concluded that the best tour would be on a weekday. They are not open on Saturdays - and if they were to host our club on a Saturday morning, none of the equipment would be in operation. With that in mind, we would like to hear your opinion on the subject. How many of you can take a portion of a Friday off to travel to Winthrop (about thirty miles north on Highway 20) and see a really large saw mill in operation? We would probably want to start the tour at 11 o'clock, or so, because they shut down the equipment at 2:30. At his writing, we are thinking of the May meeting - maybe Friday the seventeenth. What do you think? You can read more about Wielands on their website ...

<http://showcase.netins.net/web/wlumber>

FORREST SAW BLADE GROUP PURCHASE  
BY: DAVE WETZEL

We will be collecting orders through the month of February for Forrest saw blades and products. The discounted price list will be included with the printed version of this newsletter and is available for review on the club web site.

Please use the order blank that is printable from the web site - we will also bring some copies to the February meeting.

The plan is to send the total order to Ron Collier at the end of the month and complete the distribution early in May.

Forrest can sharpen your old blades too. I have a couple of prices - \$26.10 for a ten-inch forty-tooth Woodworker and \$59.00 for the six-inch data king + shipping. You can call the Forrest company for other sharpening quotes.



NEW MEMBERS  
SINCE 01/01/2002

**James Jobe**  
02/06/2002

WELCOME TO THE CLUB

A YEAR AGO THIS MONTH

Mark Clark led us in a discussion of basic shop safety with emphasis on dust control and the toxicity of dust from various exotic wood species.

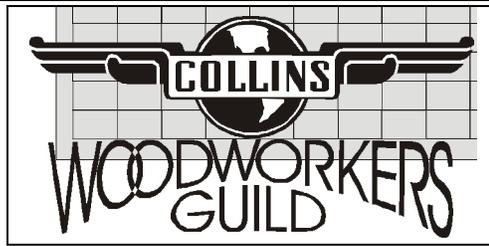


January meeting photos by Larry Tjaden

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- OVER 350,000 HITS SINCE JANUARY 2001



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# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 6, March 2002

## March 19th Meeting European Hinges Main Plant Cafeteria - 5:00 p.m.

Larry Tjaden will make a presentation on the selection, installation, and finer attributes of European Hinges. With a few simple tools to drill the hole pattern and a little forethought ordering the parts, you too can take advantage of these versatile hinges and accessories. You don't have to run a cabinet shop to purchase them either, several woodworking supply catalogs have a wide range to select from. Larry will bring several common hinges types and some of the companion attachment accessories.



### Last Meeting

The February meeting was held in the Main Plant Cafeteria, thirty-one members and guests attending. The topic for the meeting was presented by Bob Wolf and Jean Wiedenheft from the Indian Creek Nature Center. Bob is the Nature Center's official Bee Keeper, Jean is the Facility Steward. Bob gave an overview of the workings of their indoor bee hive and how it is used to teach students the ways of the bees and their mysterious society. The hive is in need of repair and Bob is looking for a few improvements to the design. For instance, he is looking to making it more portable so they can temporarily remove the main hive and show it at area schools. Bob brought some wooden hive parts and a design plan to work from. Ronnie Manthe has volunteered to redraw and modify the plan to fit Bob's ideas. Bob gave a real nice discussion on bees and bee keeping. Our members kept him busy answering questions. We still need a couple additional volunteers to help build the new hive as soon as Ronnie completes the drawings. You may also contact Dave Huovinen if you wish to join in. This is sure to be another fulfilling project and a chance to build something unique for

*(Continued on page 2, Last Month)*

### Attention Unifence Owners By: Wayne Hanson

I've had a Delta Contractor's saw with the Unifence for a few years and have enjoyed the increased accuracy and ease of use that it brought to my shop, particularly over the Craftsman table saw I used previously. One of the common criticisms of the Unifence is not being able to easily build accessories to fit over the fence because of its non-symmetrical shape.



A friend sent me a URL (<http://www.ttrackusa.com/unifence.htm>) of a company that makes a replacement for the Unifence and suggested I see if I could arrange a group discount for the club. I contacted the company, spoke to the president and he is interested in working with us. Before I talk about prices, let me talk a little about the fence.

The Uni-T-Fence, made by Might-T-

*(Continued on page 2, Unifence)*

*(Continued from page 1, Unifence)*

Track, Inc. of Atlanta, GA is a box shaped extrusion that is a slide-in replacement for the Unifence. It's uses the same mounting slots as the Unifence and is the same width so there's no need to reset the measurement scale on the fence. What it adds is a replaceable face of UHMW (ultra high molecular weight) plastic and several T slots for accessories. The plastic insert is ½ inch wide so it can be replaced with plywood or solid wood for such operations as rabbeting where you might want to bury part of the dado. The company has developed several accessories such as Board Buddies and featherboards that can add a lot of utility to the fence. This is a case where a picture is worth a thousand words and I'd suggest you look at the graphics included with this article or at the URL homepage.

As I said earlier, the President of Might-T-Track, Inc indicated he would give us a discount but wouldn't make any commitments until late April or early May. His business season is Sept-April (the wood show season) and right now, is actually selling everything he can produce. Once the show circuit winds down he will have excess production and will take our order. I pushed him a bit to get a sense of what sort of discount he might be offering and he rattled off "\$10-\$15-\$20, something in that range" but my guess is that the discount will be on the low end of that range. The list price of the 36-inch Uni-T-Fence is \$70 plus shipping,

### A Year Ago This Month

**R**ichard Dudak gave our club a tour of his cabinet shop in Marion. As usual, our membership turned out in numbers when visiting some of the professional businesses and wood-related shops in the area.

which, per the homepage, is \$7.75. Also, you may want to wander around the Might-T-Track site a bit to see if there is anything else you're interested in buying. The President indicated that on a group order such as this he would only charge actual UPS shipping costs. The shipping weight of the fences is 10-12 pounds each so shipping costs will be significant. My thinking at this point is to try to work out a price for the fences that includes shipping and a fixed discount on all the other stuff (to include shipping) so that we will know upfront what all the costs will be. I'll collect the money in advance, submit one order and pay via a credit card to speed up the whole process.

The April newsletter will have an order form of some sort in it and I will begin taking orders at the April meeting. I'd appreciate it if you'd let me know in advance if you're interested in the Uni-T-Fence, any of the accessories or any of the other Might-T-Track products (an email would be best). I'll use that info to "bargain" with the President.

### Members joining since 2/1/2002

James Jobe - 2/6/02  
Pete Sheyko - 2/19/02  
Chris Madsen - 2/19/02  
Jim Gardas - 2/20/02

*(Continued from page 1, Last Month)*

our friends at the Nature Center. Thanks to Bob and Joan for the excellent presentation. A couple of members brought show and tell items. Jerry Roland brought a homemade picture frame with interesting pocket-hole fastened miter joints. He also used the club's FrameMaster framing point gun to install the poster. Larry Tjaden brought a homemade vacuum stand that used an air compressor to draw the vacuum. John Cox won the \$10 gift certificate and Jerry Roland won the \$25 certificate door prizes.

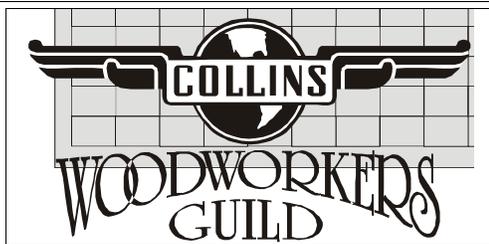


Wiel and & Sons Lumber Co. Dave Huovinen is making the initial plans for a club tour of Wieland's facility in Winthrop.

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Volume 7, Issue 7, April 2002

## Re-tempering Tool Steel "Chisels That Will Hold Their Edge"

Main Plant Cafeteria - 5:00 p.m.

April 16, 2002

### Last Meeting

The March meeting was attended by about thirty members and guests. Ronnie Manthe gave an overview of his drawings he is making for the Indian Creek Nature Center. The project will involve building a new bee hive display fixture for the Center by members of our club.

Wayne Hanson informed the membership of a group purchase he is working on. A product designed to improve the usefulness of the Delta table saw UniFence called a Uni-T-Fence.

Dave Huovinen reported on our future tour of Wieland & Sons Lumber Co. He noted that the best tour day would be on a Monday when the machines are all in operation. We polled the group to find that there is still a lot of interest in the trip - even if it will be on a Monday.

Joel Gillett reported on the club's flag box project. Our club has agreed to build twenty-five boxes in conjunction with the Des Moines Woodworkers Association. We will begin building Saturday the 6<sup>th</sup>.

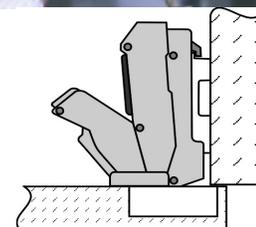
Larry Tjaden made a presentation on European Hinges and how to select and install them. He brought a selection of hinge and hinge mount com-

ponents that are the most-favored at his son's cabinet shop. Basically two degree-of-opening hinges (110 and 170 degree) fits most customers needs. Also, there are only three door mounting placements to design for (flush, full overly, and 1/2 overlay). To mount the hinge body on the door, a 35mm fornerster bit is required - preferably mounted in a drill press. The club library has a 35mm bit and a nifty fixture that helps align and drill the hinge mounting screw holes. Larry also brought a demonstration cabinet with four doors - each showing a different mounting technique.

He noted that several hinges were available locally from Puckett Tool and Fasteners and a couple of models were found at Menard's. The largest variety is available from the myriad of mail order catalog companies. A brief search on the internet gleaned several on-line sources too.

If you're planning a cabinetry project that would look nice with European Hinges, don't rule them out - they're inexpensive and easy to work with!

This month, CWG member Joel Gillett is going to share his knowledge about metallurgy - or is it alchemy? - in a presentation on re-hardening chisels and other cutting tools. Joel notes that when a chisel is sharpened too many times, the edge works it's way down to an area that has not been hardened. With a little knowledge of applying the correct amount of heat and quenching the metal in the right manner you can fix the problem. Joel plans to bring a couple of questionable chisels and a butane torch to demonstrate the process.



March Meeting Photos



## Flag Box Update

We began work at eight o'clock last Saturday morning to make lumber into flag boxes. The hardy crew included: Joel Gillett, Lee Johnson, Bryan Wesner, Ron Kositzky, Larry Wood, Emil Krepcik, Jerry Showman, Wayne Hanson, Dave Huovinen, Jerry Roland, Ed Kalous, Jim Young, Dave Wetzel, and Larry Tjaden.

We prepared fifteen frames to the point of mitering and at least twenty more ready for finishing. On Sunday, Wayne and Larry Tjaden completed the miters on the fifteen to get ready for the next build day.



Walnut lumber was donated by Dave Huovinen, Emil Krepcik, and Dick Schwab from Solan. Double-strength glass has been donated by Barb Armstrong to memorialize her father-in-law - a West Point graduate missing in action during the Korean war. Barb works for C.R. Glass here in Cedar Rapids. Finish has been donated by the Mautz Paint Company, Cedar Rapids.

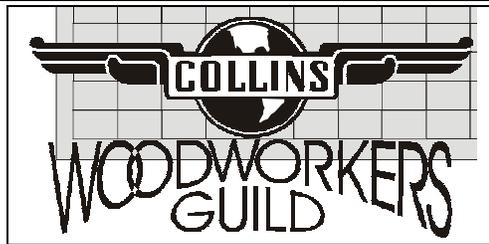
We have yet to obtain our double-sided walnut plywood.

We will meet next on Wednesday night from six 'til closing, then again on Saturday, April 13th beginning at eight a.m.

Wayne Hanson is working on a way to get the cardboard shipping boxes from Des Moines to Cedar Rapids. He hopes to be in the Des Moines area on Saturday.

## A Year Ago This Month

Emil Krepcik gave a presentation on wood turning. He brought his lathe, a sampling of past projects, and several blanks which he used to demonstrate the craft.



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## Check out the Guild's website

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[www.collinsclubs.com/woodworkers](http://www.collinsclubs.com/woodworkers)

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Attn: Larry Tjaden MS 193-101



# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 8, May 2002

## May 21st Meeting Tour of By The Foot Sawmill R.R. Norway, IA - 5:30 p.m.

Join us in a tour of Allen and Linda Root's *By The Foot Sawmill* and kiln near Norway, Iowa. You can find a map to their facilities on our web site. Our club last visited them in June 1999 where over forty members and guests watched Allen and Linda demonstrate the finer points of a Wood-Mizer sawing system.



They also have a retail lumber show room featuring locally grown, sawn, and dried products as well as regional species. If you have a project in mind, bring your truck, they will be glad to help find the lumber to make it happen. Plan on attending Tuesday, May 21st, it promises to be an informative meeting.



[http://www.collinsclubs.com/woodworkers/lumber/btf\\_index.html](http://www.collinsclubs.com/woodworkers/lumber/btf_index.html)

### Last Meeting

The topic of the April meeting was a presentation by CWG member, Joel Gillet on heat treating chisels and other cutting tools. Joel took the meeting outside so that we wouldn't stink-up the cafeteria. He brought a couple of old worn chisels noting that as they are sharpened they shorten down to a point where the metal isn't tempered and therefore won't hold an edge. The wind slowed the heating process so it was hard to get the chisel up to the "cherry red" color he was looking for. If the tool needs to be shaped first it is

*(Continued on page 2)*

### Summer Meetings July 16<sup>th</sup> Joel Gillet, Facilitator

For July, we have scheduled a tour of Dick Schwab's sawmill, kiln, and barn collection. Dick lives in rural Solan, runs a sawmill, and builds round barns as a hobby. He has a couple of really big ones to show us. He also has for sale, local cut and dried hardwoods. Dick contributed a bunch of real nice walnut to our flag box project! We will provide a map to Dick's facility in the June and July issues of *Knot Knews*. See ya' there!

### Flag Box Update By: Larry Tjaden

Were Done! Last night, Thursday; we assembled, cleaned, inspected, and bagged twenty-five first class flag boxes for shipment to Des Moines. All we need is the shipping boxes and a means to deliver them. Special thanks go out to our volunteer crew: John Cox, Joel Gillett, Wayne Hanson, Dave Huovinen, Lee Johnson, Ed Kalous, Ron Kositzky, Emil Krepcik, Jim Rettig, Jerry Roland, Jerry Showman, Bryan Wesner, Dave Wetzel, Larry Wood, and Jim Young. All together they contributed over 300 man-hours in 8 work sessions. Thanks also to Dick Schwab for walnut lumber, Barb Armstrong for all the glass, Best Hardware for glass retainer material, Emil Krepcik and Dave Huovinen for walnut lumber, Mautz Paint for wholesale finish, and the Tjaden kids for using their shop and equipment.



This has been truly a community project with contributions from fellow woodworkers all over America. We hope that our cases raise the spirits of the recipients.

(Continued from page 1)

possible to anneal it by heating to the correct temperature then cooling it over a long period of time. Soaking it in a can of ashes will conduct the heat out at just about the perfect rate. Once softened, you can bend it to shape, re-temper it, sharpen it, and away you go.

Joel provided an informative handout that he found on the internet. [www.knives.com/heatreat.html](http://www.knives.com/heatreat.html) has a lot of information on metals, alloys, temperatures, and a handy chart to relate temperature to color. Thanks for the presentation Joel.



Photos from the April Meeting



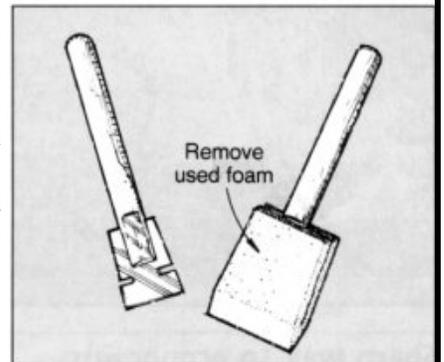
**B**ill Barvanek brought this Red Elm fishing pole rack project. It has two handy built-in storage compartments and a tapered wedge-lock to secure the poles in place. He said, "Although the project finished up nicely, he'd probably not choose Red Elm again because it was kind of stringy to work with."



### Give your throwaway paintbrushes a second life

It seems a shame to throw out any part of those disposable foam brushes, even though they are relatively inexpensive.

TIP: Get more than your money's worth from those brushes by recycling the handles for such uses as paddles for spreading glue and stirring such materials as putty and epoxy glue. Strip off the foam and reshape the handles on a belt sander if necessary for the task you decide to give it.



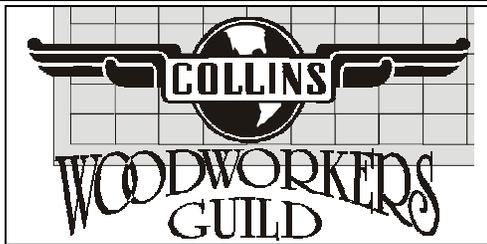
- Ken Thompson, Sheridan, Ill.

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- Collins Woodworkers Guild
- Collins Amateur Radio Club
- Rockwell Craft Club
- Collins Model Aviators
- Rockwell Collins Retired Volunteers
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New Members  
Since 4/1/02

Wayne Tweeton

Martin Cole

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# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 9, June 2002

## June 17th Meeting Tour of Wiel and Sons Lumber Co. 9:00 a.m. Winthrop, IA

This month we are going to venture away on a Monday morning to tour a large-scale sawmill, kiln, and lumber sales facility. Tour facilitator, Dave Huovinen, has arranged our outing on a work day because Wieland's is not open on Saturday and so we can witness their equipment in full operation. Which reminds me ... Dave said they want us to bring our own **hearing protection** and **safety glasses**. In the interest of economy, we are going to car pool for the trip starting in the Rockwell Collins Recreation Center parking lot. We plan to leave at 8:00 a.m., assuming it will take a little less than an hour to drive up there, therefore we need to be gathering at around 7:45 in the parking lot. Winthrop is East of Independence on Highway 20. It looks like there is a couple of routes we can take between Cedar Rapids and Wielands. When the tour is over, several of us are planning on lunch in Winthrop.

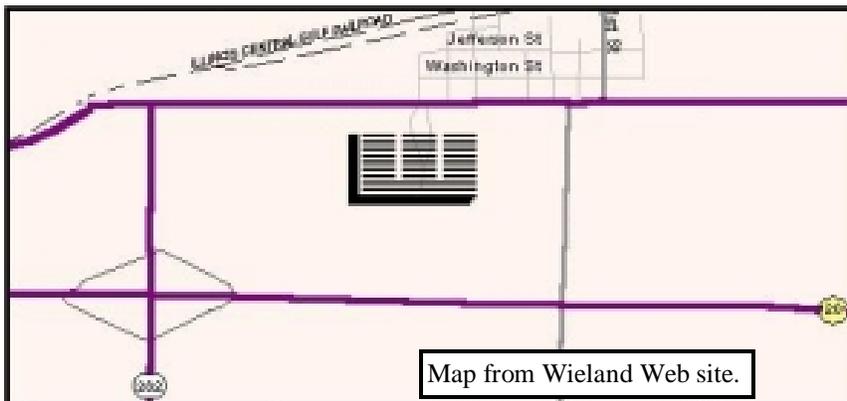
### July Meeting Joel Gillett, Facilitator

On July 16th, we have scheduled a tour of Dick Schwab's sawmill, kiln, and barn collection. Dick lives in rural Solan, runs a sawmill, and builds round barns as a hobby. He has a couple of really big ones to show us. He also has for sale, local cut and dried hardwoods. We will provide a map to Dick's facility in the July issue of *Knot Knews*.

### May Meeting

Last month Allen and Linda Root, owners of *By The Foot Sawmill and Kiln*, provided our club with a tour of their facilities. About thirty club members and guests enjoyed an informative evening with the Roots. They walked us through the process

*(Continued on page 2, May Meeting)*



### Attention Unifence Owners By: Wayne Hanson

I've had a Delta Contractor's saw with the Unifence for a few years and have enjoyed the increased accuracy and ease of use that it brought to my shop, particularly over the Craftsman table saw I used previously. One of the common criticisms of the Unifence is not being able to easily build accessories to fit over the fence because of its non-symmetrical shape. A friend sent me a URL (<http://www.trackusa.com/unifence.htm>) of a company that makes a replacement for the Unifence and suggested I arrange a group discount for the club. I contacted the company, spoke to the president and he is interested in working with us. Before I talk about prices, let me talk a little about the fence.

The Uni-T-Fence, made by Might-T-Track, Inc. of Atlanta, GA is a 36 or 43 inch, box shaped extrusion that is a slide-in replacement for the Unifence. It's uses the same mounting slots as the Unifence and is the same width so there's no need to reset the measurement scale on the fence. What it adds is a replaceable face of UHMW (ultra high molecular weight) plastic and several T slots for accessories.



*(Continued on page 2, UniT Fence)*

## One Year Ago...

Mark Clark and Lee Johnson gave a presentation on TurboCAD, a low cost answer to making two and three dimensional drawings for wood-working projects.

*(Continued from page, May Meeting)*

of receiving logs, wrestling them onto the saw, the cutting process, straight-line ripping, and stacking the lumber into the kiln. They also showed us their sales room and the lumber species they have for sale.



Allen saved a log aside for the tour - it had very interesting grain patterns but it was too old and full of dry rot. If you have a log for Allen to saw, bring it in right away - don't try to age it a little first. When you fell a tree or are offered a hardwood log, take it to *By*

*The Foot*, they will be glad to make it into lumber for you. Our club would like to thank the Roots for an enlightening tour.

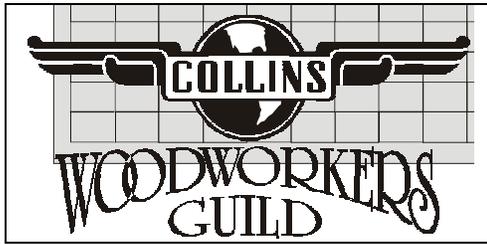


*(Continued from page 1, UniTFence)*

The plastic insert is 1/2 inch wide so it can be replaced with plywood or solid wood for such operations as rabbeting where you might want to bury part of the dado. The company has developed several accessories such as Board Buddies and featherboards that can add a lot of utility (and safety) to the fence. This is a case where a picture is worth a thousand words and I'd suggest you look at the picture included with this article and the URL homepage. Might-T-Track sells a variety of other woodworking products too so I'd suggest a quick look around their website to see if they have that widget you've been looking for.

I've spoken with the President of Might-T-Track and he would like to have a list of what we're ordering and then give us an item-by-item discount. He indicated that since some of what he sells is purchased from other companies, he can't be quite as generous with a discount on those items. I pushed him a bit to get a sense of what sort of discount he might be offering on the Uni-T-Fence and he rattled off "\$10-\$15-\$20, something in that range" soooo, the discount could be anywhere in that range. Please check the Might-T-Track website and send me a list, via email, of what you'd like to purchase (call me at home if you don't have access to the INTERNET, 366-0345) and I will

compile a master list to send to Might-T-Track. Use my email address (listed elsewhere in the Newsletter) and it will get to my home address. Might-T-Track will send the list back to me with the discounted prices and I will provide you with a price that shows the cost of the equipment plus your share of the shipping. Might-T-Track has indicated they will not charge us for any handling - just the actual cost of the shipping. The order will come to my house in one box (or as few as practical) to minimize shipping costs. Fair warning to the buyers of the Uni-T-Fences - each one weighs 10-12 pounds so purchasers of those will pay the majority of the shipping. I have informal commitments for around 10 fences, so shipping cost for each fence won't be out of line. The June meeting will be a road trip Weiland and Son's at Winthrop so there won't be a meeting at the Collins cafeteria. Check the newsletter and homepage for those details. The deadline for getting your order to me is June 19<sup>th</sup>. After I've received the prices from Might-T-Track and allocated the shipping costs, I will return email everyone with the final price of their order and the total order will be sent. I'll require a check (made out to Wayne Hanson) or good old cash when you pick up your order.



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# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 10, July 2002

## July 16th Meeting

Tour of Dick Schwab's  
Sawmill, Kiln, and Homemade Round Barns

Facilitated by:  
Joel Gillett

Join us for a summer tour of Dick Schwab's Sawmill, Kilns, and collection of Round Barns. The meeting will begin at 5:30 - to allow a little extra time to drive to the Coralville Reservoir area. See the map on page 3. This promises to be another great outing for our club members!

June Meeting  
Facilitated by:  
Dave Huovinen

Last month about sixteen members and guests drove to Winthrop, IA to tour the Wieland and Sons Lumber Company. The meeting had to be held on a Monday morning to assure we would view their sawmill and associated equipment in full operation - which we did indeed! Our tour guide gave us the deluxe tour al-



lowing plenty of time at each stage of the facility's operation. Most of the machinery was pretty noisy so he explained each operation in detail, and after viewing it, answered the multitude of questions our members fired his way. Wieland's is the largest milling operation in Iowa; processing seven million board feet of locally-grown lumber in their Winthrop and Wisconsin mills each year and employing over one-hundred people. In all, they market over twenty million board feet a year. They purchase fresh-cut trees from Eastern Iowa, Wisconsin, Southern Minnesota, and parts of Illinois. The yard generally has over a million board feet of logs

waiting their turn. The dominant species include: walnut, red oak, white oak, and maple. It was interesting to learn that many of the logs they receive are of veneer quality and that some of the best veneer walnut is grown right here in Iowa. Every part of the operation involved automated large-scale industrial sawmill machinery from the band saws to the kilns. Even the sticking and un-sticking of the kiln bundles were automated operations.

To consume the shorts and random width boards, Wieland's is also a major producer of hardwood flooring. They burn all of the large wood chips in a furnace-boiler that steam heats the kilns and generates electrical power. The generator's capacity is powerful enough to offset startup surges, and when commercial power is cut, keep the kiln fans and computers running. The tour lasted until noon - and then most of us stopped in Center Point for a nice lunch.

The club wishes to thank the owners and crew at Wieland's for an exemplary tour.





They have two of these band saw sharpener and a couple of machines to flatten the blades.



Steam turbine.



The grading deck and lumber stackers.



One of several air drying sheds.

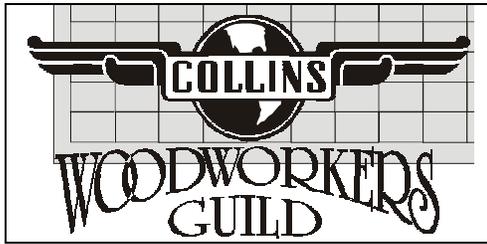


The saw on the right faces the incoming logs, the one on the left cuts the "squared" logs into lumber one pass at a time.

# MAP TO DICK SCHWAB'S PLACE JULY CWG MEETING



Starting at the North Liberty EXIT (#4) on I-380, go EAST through two stoplights (the second is 965) to the STOP SIGN.  
Turn LEFT five miles, cross the reservoir on MaHaffy bridge and continue to SUGAR BOTTOM ROAD.  
Turn RIGHT, go about three and one-half miles.  
Turn RIGHT on SCOTTS LANE then three-quarters mile to the ROUND BARN.



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# KNOT KNEWS



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Cedar Rapids, Iowa

Volume 7, Issue 11, August 2002

## August 20th Meeting 5:00 p.m. Main Plant Cafeteria

Join us this month for a look into the Collins Woodworkers Guild photo album. Larry Tjaden is planning a five-year photo retrospective of meetings, tours, and trips. Over the last several years, we have visited a number of local businesses and shops where John Cox and Larry Tjaden have been regularly snapping photos. However, only a few made it into the newsletter. Like all good photographers, we kept the negatives just in case such an occasion, like this, should arise.

To add to the show, we will review the topics of the last sixty meetings and compare it to what, you the membership, look to see in the future. Where shall we go from here? Do we like the tours and trips ... you bet! But, we still need a few show & tells and a couple of member project reviews to fulfill our charter to exchange woodworking knowledge with fellow members.

We hope that looking back at our old photos and meeting topics in this way will encourage a new member to prepare a presentation of their own - therefore perpetuating our club and our hobby. Keep in mind that one of our FY03 president's tasks is to assemble eleven meetings - the September Membership Drive meeting is a freebee. For every meeting topic volunteered by a member - that's one less for the planning committee, and the president, to dream up.

## September Membership Meeting

Coming to a Woodworking Guild near you... As the next fiscal year rolls into view it becomes our queue to renew. Don't forget, we need to elect a new set of officers too.

Guild treasurer, Larry Lacy, say's, "Bring your ideas for tools or books to spend-down the club budget."

Anybody want to write the newsletter?



## July Meeting

Our July meeting was held at Dick Schwab's farm and sawmill near Solon - about twenty members and guests attending. On a quiet drive at the end of a shaded lane Dick has created a trio of wonderful hand-built round barns. Several years ago, Dick got the urge to use some of the lumber he had sawn for a special construction project - and ended up building three large round barns and one smaller version that is more of an elongated octagon. The three round barns are patterned upon a turn-of-the-century design but without the silo in the center. In place of the silo Dick has installed an 'upper floor' to act as a observation deck with a 360° view. All of the shaped beams are laminated from layers of 3/4-inch hardwood. The sheeting is solid wood except when the curves are too tight he used plywood. To accent the architecture, the outer walls are finished-out in cut limestone masonry - all beautifully laid.

One of the barns was chock full of lumber that has been cured in Dick's kiln, one was full of automobiles, one with tractors, and one houses the woodworking shop.

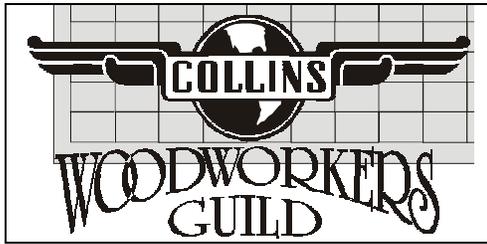
After the barn tour, we all went for a short walk to a field where Dick demonstrated his WoodMizer portable sawmill. Several deft cuts and we were looking at some real nice curly-grained white oak that will fit nicely in a project someday. He gets all of his logs from an Iowa City tree service in trade for their disposal.

The club extends our thanks to Dick for hosting a most enjoyable tour.



Photos by John Cox and Larry Tjaden





## Collins Woodworkers Guild Officers and Executive Committee

### President:

Larry Tjaden 5-8024 cwg-president@collinsclubs.com

### Vice President:

Dave Huovinen 5-7283 cwg-vp@collinsclubs.com

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## Knot Knews

Is published monthly by the  
Collins Woodworkers Guild  
400 Collins Road NE  
Cedar Rapids, IA 52498  
Attn: Larry Tjaden MS 193-101



# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 7, Issue 12, September 2002

## Membership Drive Meeting Election of Officers - Door Prizes Pizza and Pop - Show and Tell Tuesday, September 17, 2002 Main Plant Cafeteria - 5:00 p.m.

Join us on the seventeenth for our annual Membership Drive and Election of Officers Meeting. We will have Godfather Pizza and a selection of soft drinks to fill out the evening. In addition to our annual election of officers, we are asking for contributions to a Show & Tell. So, bring your latest Project, Jig or Fixture, your latest Tool Purchase, or an example of your Craftsmanship to share with our fellow members.

This year, instead of hardware door prizes, we have purchased gift certificates from one of our local woodcraft suppliers, *Puckett Tools and Fasteners*. First prize will be \$100 and second prize will be \$50. You must be paid-up for FY03 and present to win! And... to get a few more Show & Tell items, there is an additional \$50 gift certificate for the best show & tell of the evening.

By-the-way, our sponsor is getting extra lean this upcoming year and will not be providing matching funds for any of the sponsored club's dues. Our club has certainly enjoyed, and used, the matching funding for our Library Books and Tools, etc. To offset the problem, the planning committee has selected to raise our yearly dues to \$15.00. We certainly hope this action does not discourage our members renewal.

Our club has a lot serious contributors and we all look forward to another year of interesting and informative woodworking meetings!

### FLAG BOX UPDATE

BY: JOEL GILLET

We received this letter from Dick Meuler of the Des Moines Woodworkers Association. Dick has been organizing flag box building woodworkers from the upper Midwest.

Woodworkers,

I thought I'd pass on some of the notes that have come from recipients of the flag cases being built by volunteer woodworkers across this great land. I hope you too can step forward and help us build flag cases to meet the growing demand from victim families. Right now we need help building 393 more cases for families that have requested them. Thanks for your consideration...

- Dick Meuler

Woodworkers United for America - Upper Midwest Region  
Des Moines Woodworkers Association

[dmeuler@websinger.com](mailto:dmeuler@websinger.com) or  
[dmeuler@woodworkersunitedforamerica.org](mailto:dmeuler@woodworkersunitedforamerica.org)

=====

To: Woodworkers United for America

Please extend my thanks to your group for the beautiful flag case. Your workmanship will be in our family for generations as we remember Todd. We appreciate your time and generosity.

Sincerely,

Lisa Beamer, wife of Todd Beamer on UAL Flight 93 that

(Continued on page 2, flag boxes)

(Continued from page 1, flag boxes)  
crashed in Pennsylvania

=====
Once again I'd like to thank your woodworkers for all their hard work. It has been so heart warming that so many people have given the families a part of themselves, we all needed to be reminded that the world has more good and kind people than bad. My bother's and their families will be arriving on Saturday to be with me for 9/11 and they have been amazed at the love and kindness we have all received, I know they will be amazed once more when they see the flag in the case!

Ann Simpkin, in memory of daughter Jane Simpkin

=====
My wife and I truly appreciate and thank you for the efforts undertaken by the Woodworkers Association. We shall cherish the flag that flew over our nation's capital and the flag case from the Woodworkers as a sign of this nation's love and concern for its citizens who lost a love one on 9-11.

Thank you,
Marty and Dorine Toyen
In Memory of Amy E. Toyen 6-20-77 to 9-11-01

=====
With the one year anniversary approaching it is angels like you that help the families get through each day. Please pass my thanks on to all involved with the making of Alison's flag case. God Bless you,
Jill Saladino, mother of Alison Saladino

=====
Received in December 2001
Gentlemen,

I thought I would pass along a thank-you for the beautiful flag box I had the honor to present yesterday. As an amateur woodworker I regularly read Wood Magazine and their e-zine. I was particularly taken by the latest story of the flag box project.

My name is Commander Robert Peltier and I am a Casualty Assistance Officer for one of the families that lost a husband and father on September 11 at the Pentagon. A CAO is a Naval Officer on temporary assignment to help and support the family in the aftermath of a lost family member. I was assigned the day after the attack to a family and have had the honor and privilege to serve this family through some very tough times. The burial at Arlington was just last Tuesday which was probably the most emotional and moving experience of my life...



The Naval officer left a wife and two young daughters as well as a son due in early April. Yesterday I delivered some Christmas presents as well as a flag frame for the flag presented to her at Arlington. I was

expecting to find just a standard mass-produced frame like a hundred I have seen in the Exchange over the years. When we opened the box we were both greatly surprised to see a frame that was beautifully crafted in every detail. In fact, I took some time to look it over very carefully and it was exquisite. My woodworkers eye couldn't find a flaw. We immediately mounted the flag in the frame and she loved it. She will treasure this gift for the rest of her life. You have truly made a difference.

I just thought I would pass this along and express the family's thanks. I would also like to express my thanks for the privilege of presenting the flag frame to her. Keep up the great work.
With my best regards,
CDR Robert Peltier USNR, Naval Sea Systems Command, Washington Navy Yard, D.C.

WALNUT LUMBER
FOR SALE
BY: ALAN HANSON

I am storing around twelve hundred board/feet of nice Walnut Lumber in my garage. The boards are rough cut, 4/4 and 5/4 thick, and are of various widths and lengths. The family that I am helping has moved and is asking \$2.50 per board/foot for it. If you are interested, please call me at work: 295-8714 or at home: 393-1365... My car needs its space back!

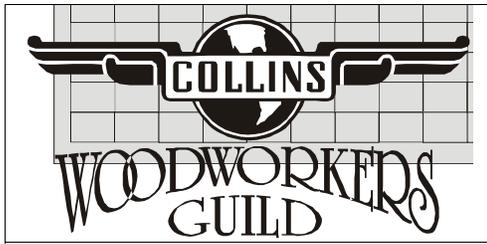
Alan B. Hanson
155 Gypsy Lane
Robins, IA

COMMUNITY SERVICE...

One charter of a volunteer woodworking club is to serve the community. For several years we have been building Toys-for-Tots for distribution during the Christmas holiday. The last couple of years we joined with our company's program of serving needy families by offering one of our homemade toys to each contributing employee to give to their selected family.

We have made a lot of wheeled vehicles, doll beds, games, and other toys over the years. So what shall we do this season? We're open to new ideas for projects or ways in which we can help the community.

Any new ideas? Contact us.



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# KNOT KNEWS



Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 8, Issue 1, October 2002

## Open House at E & J Tool Grinding Service 2915 Center Point Road NE - 5:00 p.m. Brian Schlief, Facilitator

The October meeting will be held at E & J Tool Grinding Service located at 2915 Center Point Road NE Cedar Rapids. The guys at E & J plan several demonstrations of their sharpening methods for saw blades, router bits, and planer knives as well as a review of the services they provide. They also handle several brands of saw blades, bits, and knives that you will be interested in. They will provide refreshments for our club members.

### LAST MEETING

Last month we held our annual membership drive meeting and election of officers with over forty woodworkers attending. President Larry Tjaden called his twelfth meeting to order with a reminder that every member is invited to facilitate a meeting or make a presentation on his or her favorite topic. Each year the club president and planning committee's job is to work out twelve interesting meetings. This year we elected Joel Gillett as president, Brian Schlief vice-president, and reelected Larry Lacy as treasurer. Larry Tjaden is still doing the newsletter and is looking for a member to help. Lee Johnson will also continue as librarian.

For our annual membership drive prizes the, planning committee decided to award two gift certificates from Puckett Tool and Fasteners. The first prize certificate for \$100 went to Wayne Hanson. The second prize for \$50 was awarded to Lee Hanson. Congratulations Wayne and Lee!

The third topic of the evening was show-and-tell of which several members brought interesting items to demonstrate. See the photos on page two. A special

*(Continued on page 2)*

### ROCKWELL COLLINS ALL-EMPLOYEE CRAFT FAIR BY: WAYNE HANSON

This year, the Rockwell Craft Fair will run two days: Monday, November 25th and Tuesday, November 26th with setup on Sunday the 24th. It will be held in the Collins Plaza Hotel.

There will be limited display space, so those interested in selling craft items should be registering real soon. If you are interested, contact the Registration Coordinator, Jan O'Brien at 377-8111.

Each year the Craft Fair needs seventy-five volunteers each serving two-hour shifts. It would be a great service to the organization for members of the Woodworker Guild to contribute a little of your time to this event. Contact the Volunteer Worker Coordinator, Cindy Schwarz at 362-4545. I have scanned the official rules, regulations, and forms into a .pdf file which Larry has placed on the club web site. It is a pretty large file at 1.1 meg ... so you folks that are bandwidth handicapped will have to wait it out.

### NOVEMBER MEETING BRIAN SCHLIEF, FACILITATOR

In November our club has been invited to an open house at Kel-Welco 830 33rd Avenue, Cedar Rapids. Kel-Welco is a "Provider of tools, fasteners, and accessories for every trade in the construction world." They are going to arrange for manufacturer's representatives from Milwaukee Tools, Jet Manufacturing, and Amana Tools. Refreshments will be provided. Don't miss this meeting, it should prove to be another interesting one!

*(Continued from page 1)*

drawing was held for the show-and-tell presenters and Jerry Roland was the lucky recipient of a gift certificate for \$50 at Puckett's.

Pizza and pop was served, and consumed, by a hungry membership.

We are all looking forward to another year with the Collins Woodworkers Guild.



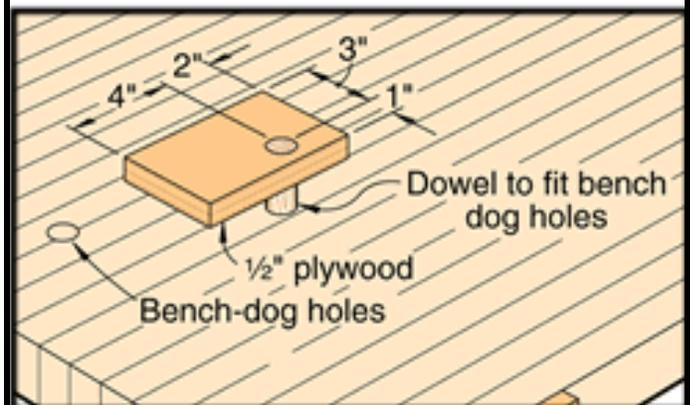


Past and present...  
Larry, Joel, Brian, and Dave.



### Tip of the Day

#### Spinning Spacer Extends Dog Hole Reach

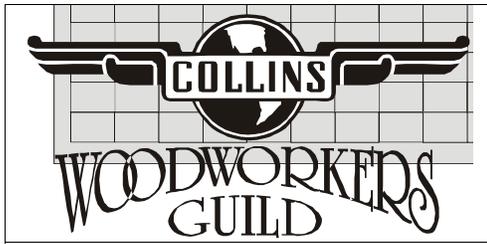


The space between the dog holes in my workbench is longer than the opening of my vise. So, I found myself hunting for a board to bridge that gap, until I came up with the rotating stop, as shown in illustration. Built from plywood and a short piece of dowel the same diameter as the dog holes, I just put the dowel in a hole and rotate it to add 1", 2", 3", or 4" to the reach of my vise. If you don't happen to have a quick-action vise, you also can use the spacer to save some cranking.

—Erv Roberts, Des Moines, Iowa

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# KNOT KNEWS

OF THE COLLINS WOODWORKERS GUILD

Monthly Club Newsletter

Cedar Rapids, Iowa

Volume 8, Issue 2, November 2002

## Marc Adams Seminar

Saturday, November 23, 8:30 a.m. - 5:00 p.m.

Indian Creek Nature Center

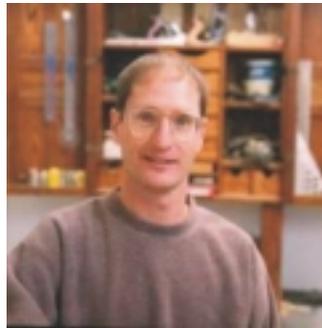
Wayne Hanson, Facilitator

Returning to Eastern Iowa, Marc Adams is sure to present an informative and enjoyable wood-working seminar. Back in 1999, our club invited Marc to give one of his teaching seminars on general wood-working - everyone of us were delighted with Marc's fasted-paced teaching style and his wide-reaching knowledge base. This year, we asked Marc to cover JOINTERY and ROUTER TECHNIQUES which are a couple of Marc's favorite subjects - along with furniture building and carving.

The day-long seminar will be held at the Indian Creek Nature Center's old barn loft. Marc will start at 8:30 a.m., sharp! The doors will open at 8:00 and we have to be cleaned up and out of the building at 5:00 that afternoon. The Huovinen's, Cindy and Dave, will prepare noon lunch and a coffee break or two.

We also asked Marc to entertain our group, and their guests, with another one of his slide shows featuring his extraordinary collection of furniture items he has built through the years. Join us at the Collins Main Plant Cafeteria on Friday the 22<sup>nd</sup> from 7:00 to 9:00 p.m. *This editor missed the show last time and heard it was really great!*

There are still seats available, \$25 members \$35 non-members. Get your registrations to Larry Lacy.



### NOVEMBER REGULAR MEETING BRIAN SCHLIEF, FACILITATOR

On tuesday, November 19th (5:30 p.m.) our club has been invited to an open house at Kel-Welco 830 33<sup>rd</sup> Avenue SW, Cedar Rapids. Kel-Welco is a "Provider of tools, fasteners, and accessories for every trade in the construction world." They are going to arrange for manufacturer's representatives from Milwaukee Tools, Jet Manufacturing, and Amana Tools. Refreshments will be provided. Don't miss this meeting, it should prove to be another interesting one!

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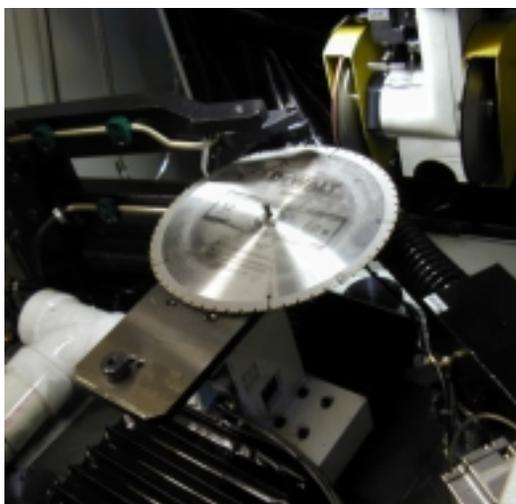
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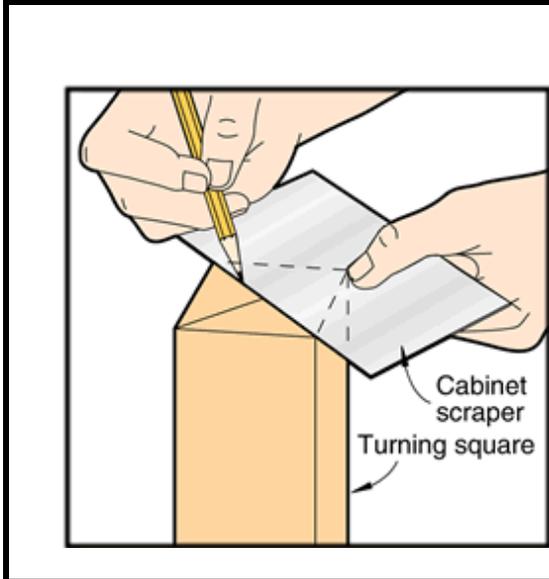
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## LAST MEETING

Last month, Brian Schlieff arranged a tour of E & J Tool Grinding Service on Center Point Road, approximately twenty-five members attending. E & J have, for many years, been serving industry and the woodworking public's sharpening needs. They sharpen most anything but specialize in saw blades, router bits, and planer knives. They have recently added an automated machine to speed up the sharpening of saw blades. After briefly entering the diameter, number of teeth, and a few statistics about a dull blade, this piece of equipment will complete the sharpening task by itself. Keep in mind that E & J sells router bits, saw blades, and band saw blades along with a lot of other basic cutting tools. Coffee and really tasty cookies were served.





### Tip of the Day

#### A Gripping Idea for Drawing Diagonals

When drawing diagonal lines on a small piece of wood or on the end of a turning square, it's hard to hold the stock steady. I've found that a cabinet scraper works well. There's enough tooth on the side of the scraper to grip the wood and hold it until you draw the lines.

—Redmond Blair, Burnaby, B.C.,  
Canada

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A couple of photos from the November 1999 Marc Adams Seminar.



### TOYS FOR TOTS

Our annual Toys For Tots building drive is being organized by club president, Joel Gillett. This year we will be building several toy types that will be offered to Rockwell Collins Employees to add to their Adopt a Family donation. For the last several years Collins guard, Roger Thompson has overseen the distribution from the building 124 South entrance. We'll ask him again this year.

Joel is looking for a large shop to run a build day intended to produce a number of toys in a team atmosphere. Plans include the doll bed, crayon trunk, and the cell phone - for starters. If you wish to participate in the build or want to make a few items in your own shop, call Joel at 295-6182 or drop him a line at [cwg-president@collinsclubs.com](mailto:cwg-president@collinsclubs.com)





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