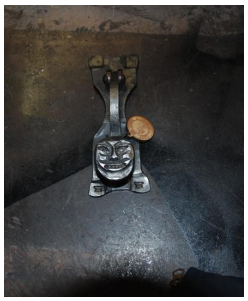


NE Regional meeting.

The NE Regional meeting was hosted by Matthew Goyer with help from his mother Danette at their home in Owasso.

Matthew, age 19 became interested in Blacksmithing and with the help from his father that he recently lost due to cancer, took blacksmithing lessons from Gary Gloden of Sapulpa and became a member of SCABA.

Matthew had a nice turnout for his first meeting. The group worked from portable forges and anvils. SCABA is made up of members with different levels of blacksmithing skills but everyone is willing to share their knowledge and skills. Dan Cowart got thing started by making a rose. Others working were Gerald Brostek and James Maberry with Glenn Stephens, Chuck Waite, Tim Fugate and Mike Krukoski each acting as helpers.

Cole Johnson, fourteen, son of Terry and Denise Johnson, of Chelsea worked on a S hook that he learned how to make.

The attendees enjoys a nice lunch and then back to blacksmithing.

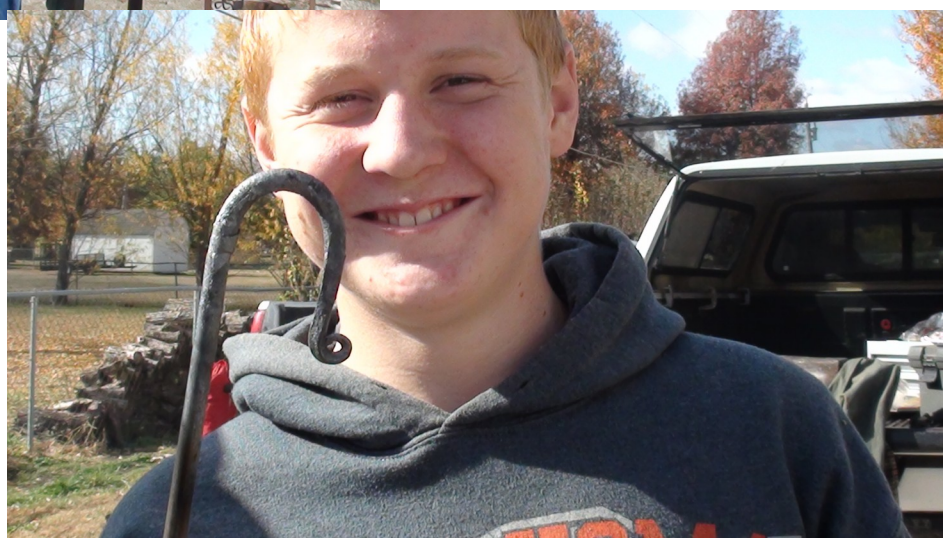
At the end of the meeting Dan Cowart presented Danette Goyer with the rose he had made in appreciation for hosting the meeting.

We hope that Matthew and Danette will consider hosting another meeting next year.

I would like to thank Christine Krukoski for sending me a copy of her column from which I pulled the information from and also the pictures used.

Editor


CAT



President's Notes

Gerald Franklin

We have about moved through a very busy and productive fall and Old Man Winter is staring us in the face. Good forging weather unless the early ice storms shut us down like last year. Meetings will be a little sparse in December due to the holidays, travel, and company coming but try to make one if you can.

Cone mandrel and swage block sales are holding up well. So well, in fact, that we just ordered another pouring of each. This will bring our inventory up nicely for the Christmas rush. We have shipped cones to several states and we continue to get orders regularly. Both swage block sales and cone mandrel sales are a great source of income for the club so talk these items up every chance you get.

Our Librarian, Tony Cable, has updated the library listing and has posted it on the website and in the newsletter. He has some ideas about making the library as accessible as he can for the membership. Many of you probably have some ideas on the library, too so when you see Tony at a meeting, let him know your thoughts.

In the mean time, host a meeting and plan on attending as many of our regional meetings as you can. These meetings are where most of our individual teaching and learning takes place.

Basic Blacksmithing Workshop at Indianola

Gerald Franklin

On October 30, 2010, I conducted a Basic Blacksmithing Workshop at Bill Phillips' place near Indianola, OK. There were a total of eight students in the class. Most of them were from the area around McAlester but one came over from Jones, OK and another came from Norman.

We started out talking about safety and then we went over some basic tools and terms. Once the initial talking was over with, we got to work on S-hooks. Some students were a little more experienced than others were and the "old hands" helped the newer smiths forge several hooks.

Then came leaves. We forged a basic leaf on the end of a piece of 3/8" round stock. Each student made as many as they wanted to but kept one attached for another project.

After the leaves, we were ready for a forge weld. The weld that we chose was a simple lap weld on the end of a piece of 3/8" round stock. This was drawn out into the bowl of a flux spoon. The round stock that was used for the spoon had a leaf on the other end that was forged previously. Once the weld was complete, the leaf end was bent into a handle for the spoon. Everybody got their weld to stick, but some had trouble in keeping the drawn out portion even which is to be expected. It takes a lot of practice to forge an evenly drawn spoon.

By the time the spoons were finished, it was time to go up to the house for lunch and a bit of rest. Angie Phillips put together a nice lunch of barbeque sandwiches with the fixings. She also had several nice dessert choices.

After lunch we got busy on steak turners. Another leaf on the end of a piece of 3/8" round stock started the handle portion. After the leaf was forged, we drew out the stem to thin it up before turning it around the shaft for the handle. We drew out the hook and then bent it over the far edge into either the left or right handed version of the turner.

Time was winding down by the time that everybody finished their turners so we used it to talk about tool steels and heat-treating. I forged a square pointed center punch and heat treated it so that the students could see the tempering colors run. Then we cleared up a few questions and packed up for the drive home.

I want to thank Bill and Angie Phillips for hosting this workshop. It gave us a great opportunity to bring some more smithing activity to the southeast region.

Demo at Ft Washita

Gerald Franklin

On November 13, I went to historic Fort Washita near Madill, OK to demo for their "Re-Build Ft. Washita" fund raiser. I was set up in their 1840's period blacksmith shop for a day of pumping a hand-controlled bellows. The museum has just recently lost one of their reconstructed buildings due to arson and they were trying to raise money to re-build the structure. They added some much-needed money for their building fund.

I remembered that I had forgotten my camera about the time I got to Ardmore but Saltfork member Jim Dyer bailed me out of an uncomfortable situation by showing up with a camera. He was nice enough to volunteer to be our photographer for the day so the pictures that you see accompanying this article are his. Thanks Jim, for taking care of me.

I set up a sales table with a sign that told people that the money for everything that sold would be donated to the building fund. The sign also said something to the effect that just because a particular price was listed for an item they shouldn't back off from putting more money in the "Kitty". At the end of the day the blacksmith table "kitty" raised $198 and another $100 in a straight donation, so Saltfork added $298 to their fund.

People showed a great deal of interest in smithing and I'm sure going to try to hold a meeting there next spring. I'm convinced that there are new members to be signed up down there that will add to the Saltfork membership tally in the SE corner of the state.

Women in the Outdoors

Gerald Franklin

Dan Cowart and I traveled to Tenkiller State Park on November 5-7 to support the National Wild Turkey Federation's Women in the Outdoors program. We arrived on Friday afternoon so that we could get set up for our first class that was to start at 8AM on Saturday. We took one coal forge, a vise, and three anvils plus several sets of tongs, hammers, etc. We also had pre-cut all our stock to save time during class. Having three anvils allowed us to have three students working while others watched. We had plenty of time for each student to make at least one hook and many made more than one. The project for all classes was a drive hook forged from ¼" round stock.

We had two classes on Saturday and two classes on Sunday. Each class ran for four hours and had up to ten students each. The Saturday classes were smaller, about five students each. The Sunday classes were larger, nine and ten respectively.

As far as Dan and I could tell, none of the students had ever forged anything before but most of them were very eager to learn and they did quite well for the most part. They were a very enthusiastic bunch and many of them expressed an interest in joining Saltfork. We were invited back for next year.

3D Snowflake

Michael Wollowski

In this article, you will find constructions notes for a three dimensional snowflake. Don Neuenschwander showed me one that Ken Dettmer made based on Don's specifications. Don himself saw someone up north make one of these.

The snowflake is made from a 3" piece of ¾" square stock. It needs to be cut it several ways. To start, make two 1 ¾" cuts along one side, splitting the side three ways. From the opposite end, make two cuts that are ¾" long, again splitting the side three ways. You will be left with ½" in the center that is not cut. The cut layout is shown on the left side in figure 1 below.

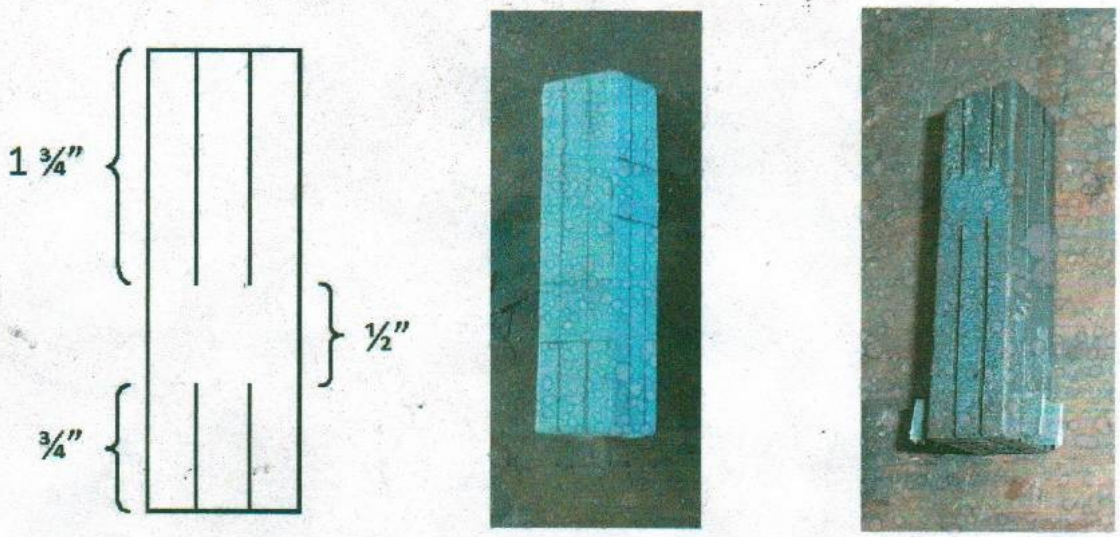


Figure 1: Cut layout (left), blank with marked cuts (center), cut blank with spacers (right)

Turn the bar 90 degrees and make the same cuts except from opposite ends. I like to put masking tape on the steel and draw my lines on it. The marked up blank can be seen in the center of figure 1. I insert some old saw blade pieces in the short cuts of one end. This is the end that gets to be put in the vise first. By placing the spacers in the cut, it is easier to open them up later on. The sawn blank, prepared for heating is shown on the right in figure 1.

In order to get the three dimensions, the primary bends are along the long cuts. When bending this piece, it is advisable to use tongs and a vise rather than a hammer and anvil, as the folds will be rather delicate and can easily be bent beyond repair.

To begin, heat up the bar and place the end with the saw blades in the vise so that the saw blades are parallel to the jaws. You need to place the bar in the vise so that the long cuts are about ¼" proud of the top of the vise. This ensures that there is space for the jaws of your tongs. Bend down the outer two long sides. Before bending the long sides, it helps to open them up with a chisel first and then use flat tongs to grab a side and bend it out. You may have to perform a sequence of grabbing part of the side, bending it, grabbing some more, straightening it with the tongs and bending it. See about producing a nice bend, not too tight and not too wide. The picture on left side in figure 2 gives you a sense of the radius of the bend as well as how much the long cuts have to be proud of the top of the vise. If the arms are not straight, a chisel can be used to pry them off the vise jaws.

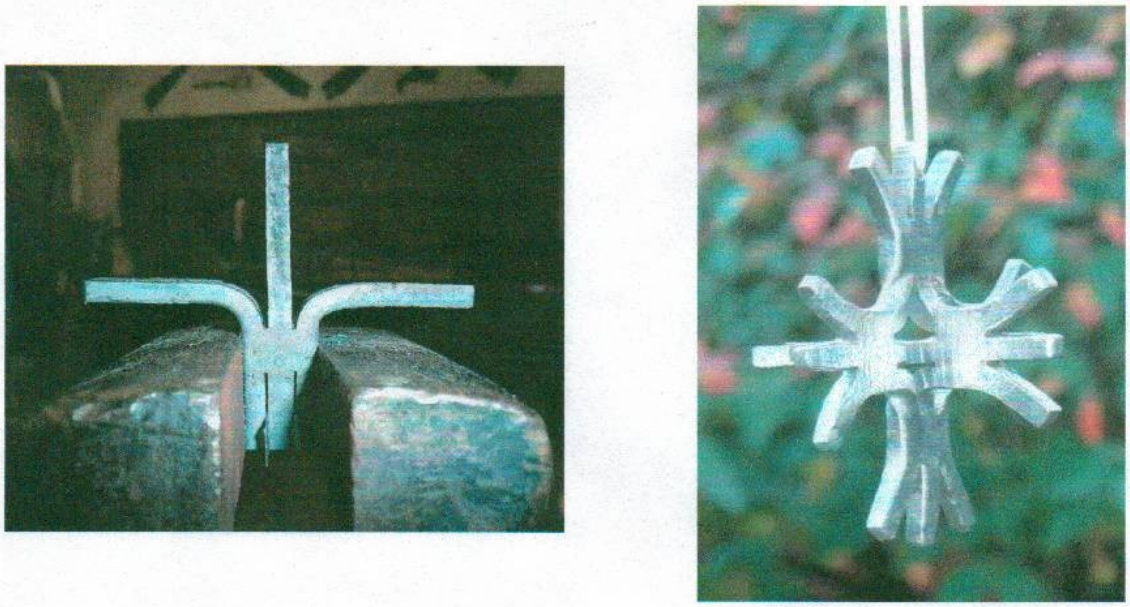


Figure 2: Blank after first set of bends, notice the spacers (left), finished snowflake (right)

Next, put a little bit of heat in the end that contains the saw blades and knock them out. Heat up the bar and cool down the center of the piece. Use a chisel to open up the long ends that are to be bent next. Put the piece back into the forge and heat it up. Now comes the hard part. The entire snowflake will be orange hot and any attempt to cool parts of it invariably cools down other parts that should not be cooled. Furthermore, any bending you do, will upset other parts of the piece. When opening up one of the hands, you will bend the snowflake out of shape, just ensure that when you bend the other hand, you bend it back into shape. You may consider using several heats to open up the two long hands.

The four bent arms should be in one plane. You may consider placing the piece in the hardy hole, placing a piece of pipe over the hands that need to be aligned and gently tapping on it. Notice that the sum of the two hands that have not been bent remains 3" long, yet the sum of the bent hands making up either of the two other dimensions are about 3 ½" long. This is due to the fact that the outside hands are ¼" off the center of the bar. The unequal length cannot be helped except for cutting ¼" of the ends of each of the bent hands and then deepening the cuts by ¼". You may consider hanging the snowflake so that the bent hands are vertical.

You are now left with having to bend the outside fingers made by the ¾" cuts. If you split open the fingers with a chisel, you need to cool down the center of the snowflake as the hammer blows will compress the delicate bends at the center of the snowflake. You want to use some fairly narrow tongs to open up the fingers to about a 45 degree angle. Here again, consider using a process of repeatedly grabbing, bending, re-grabbing, straightening and bending. Notice that fingers of neighboring hands will end up parallel to each other.

I finished my snowflake by immersing it in vinegar overnight, brushing off the scale using a brush and water and polishing it with an angle grinder and the Dremel tool.

SCABA Library”

VHS Titles

SCABA Conf - 2002 - Bill Bastas
A Traditional Suite: Sword Making, Set Hammer
A Water Powered Smithy
ABANA Comes of Age - 1994 NOMM Exhibit
ABANA Comes of Age - 1994 NOMM Exhibit
Basic Blacksmithing - Hershel House (Part 1)
Basic Blacksmithing - Hershel House (Part 2)
Basic Blacksmithing - Hershel House (Part 3)
Forge Welding - Bob Patrick
SCABA Conf - 1997 - Frank Turley (Tools)
Hammerman in Williamsburg
Jerry Darnell - 18th Century Lighting (Part 1)
Jerry Darnell - 18th Century Lighting (Part 2)
Jerry Darnell - 18th Century Lighting (Part 3)
Jerry Darnell - 18th Century Hdw - Latches
Jerry Darnell - 18th Century Hdw - Hinges
Jerry Darnell - 18th Century Hdw - Pintles
SCABA Conf - 2001 - Jim & Kathleen Poor
Jim Hrisoulas - Damascus Pt 1
Jim Hrisoulas - Damascus Pt 2
Omey’s 2002 - Kendall & Dyer - Table
SCABA Conf - 1998 - D. Steigler - Baskets
SCABA Conf - 1998 - R. Gunter - Hammers
SCABA Conf - 1998 - D. Steigler – Iris & Finishes
SCABA Conf - 1998 - R. Gunter - Hollow Forging
SCABA Conf - 1998 - D. Steigler - Repousse’
SCABA Conf - 1998 - R. Gunter - Scrolls
Samuel Yellin’s Legacy
Omey’s - 1997 - Ted Sawyer
Omey’s - 1997
The Loveless Legend
Tom Smith at Hartdner, KS
Yellin Foundation & Manfred Bredohl
Allen Rogers - Projects
Forge & Anvil - Various Episodes
Unknown Conference - Unknown Smiths
Broom Making for the Blacksmith
Elmer Roush: Colonial American Hdw & Fixtures
European Masters & The Woodwright’s Shop
: Misc Projects
Doug Merkel: Nail Header
Doug Merkel: Sawtooth Trammel
Doug Merkel: Tomahawk & Misc
Doug Merkel: Hammers Blacksmith’s Journal Techniques – 1
Blacksmith’s Journal Techniques – 2
Bill Epps – Tongs
Bill Epps – Animal Heads
Bill Epps – Birds & Bugs
Bill Epps – Leaves & Flowers
1990 Metal Madness
Ivan Bailey & Paul Hubler
1992 BAM Ozark Conference
2002 UMBA Conference
2003 UMBA Conference
Knifemaking With William White
Wagon Wheel, Marble Inlay, Strikers
National Museum of Horse Shoeing Tools
SCABA Conf - 2004 – Don MacKay
SCABA Conf - 2004 – Bob Patrick
SCABA Conf - 2005 – Peter Happny
SCABA Conf - 2005 – Brian Gilbert
SCABA Conf - 2006 – Tal Harris
SCABA Conf - 2006 – Ed & Brian Brazeal
SCABA South Central Meetings - 2004

DVD Titles

BEMIDJI Conf. (Ward Brinegar, Jim Batson)
Power Hammer & Punch/Chisel Wrkshop (Bob Bergman)
1995 Haverhill/Guild Meeting (Roger Lowrance, John Hankes)
1994 ABANA Conf. “Yellin’s Legacy”
1996 Tunnel Mill
1998 Metal Madness (Nol Putnam) (Pt. 1)
1997 BEMIDJI(Plus Remainder of ’98 Metal Madness w/N. Putnam Pt.2)
Uri Hofi 5 Day Workshop (Part 1 of 3)
Uri Hofi 5 Day Workshop (Part 2 of 3)
Uri Hofi 5 Day Workshop (Part 3 of 3)
Tunnel Mill
2002 BEMIDJI
Wooden Wagon Wheel
1997 UMBA Conf. (Mike Boone & Paul Hubler)
2003 Metal Madness (Lorelei Sims & Tom Latane’)
1997 BAM Ozark Conf. (Uri Hofi & Bob Bergman)
Bill Calloway
Tunnel Mill, 3 Hrs of 1998 ABANA Conf.
2005 UMBA Winter Conf. –BEMIDJI (Mike Garrett & Lou Mueller)
2005 BAM Conf. (Bill Epps)
Beginning Blacksmithing (Robb Gunter) Part 1
Beginning Blacksmithing (Robb Gunter) Part 2
Beginning Blacksmithing (Robb Gunter) Part 3
Controlled Hand Forging Series – Hammer’s Blow Accompanies Robb Gunter
1990 Metal Madness (Dorothy Stiegler, Monty Bygd, Kitty Latane’, Dan Butt)
Smithing Books (*Elementary Metal Work, Forge Practice, Forging of Iron and Steel, Hand Forging & Wrought Iron, Ornamental Work, Practical Blacksmithing II & IV, Spanish Ironwork, Steel Working & Tool Dressing, The Mechanic’s Textbook & Engineer’s Practical Guide)*
1992 BAM Conf. *(Clay Spencer, Robb & Chad Gunter, Stan Winkler, Bob Patrick, Jerry Hoffman, Floyd Daniel, Doug Hendrickson, Fred Caylor)*
2002 UMBA Conf. (Roger Lowrance)
2003 UMBA Conf. (Bob Tuftee)
Jerry Darnell (Hinges & Pintles) & Bob Patrick (Forge Welding)
Jerry Darnell (18th Century Lighting & Door Latch)
Various Short Titles *(Hammerman in Williamsburg, A Water Powered Smithy, NOMM Exhibit - ABANA Comes of Age, Tom Smith at Hardner KS, Yellin Foundation &*

*Manfred Bredohl, Samuel's Legacy, European Masters & the Woodwright's Works*ABANA Gallery Exhibit - 1992

Doug Merkel*hop)"*

Saltfork Smithing #2 (Omey's 2002, Kendal & Dyer Table, Omey's 1997)

Saltfork Smithing #1 *(Omey's 97 Ted sawyer & John Burns Silver Solder, Omey's 98 - Wagon Wheel, Ricky Nussbaum: 2004 South Central Meetings)*

ABANA Series - Power Hammer Forging w/Clifton Ralph Parts 1-3

ABANA Series - Power Hammer Forging w/Clifton Ralph Parts 4 &5

Librarian Contact Information:
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Moore, OK 73160
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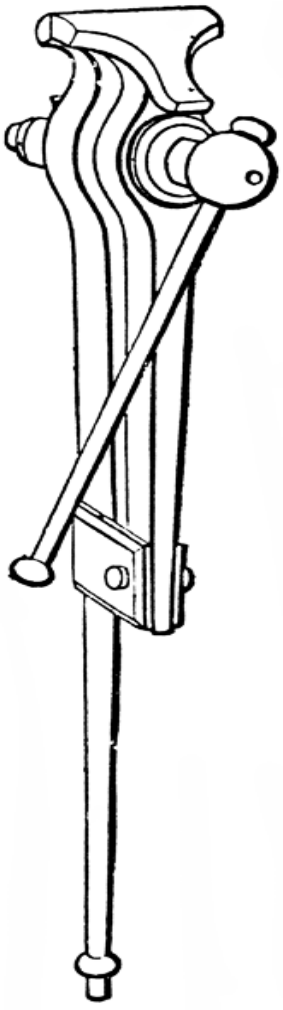
tcable@sbcglobal.net



Basic Blacksmithing Workshop

Because of the huge response to the first workshop, Gary Seigrist and Gerald Franklin will do another workshop on January 29th 2011 at Elk City.

Workshop:

Basic Blacksmithing Workshop, Elk City's Route 66 Museum,

Projects include S-hooks, leaves, a forge welded flux spoon, steak turner and more.

Cost is $20, which covers all materials and lunch.

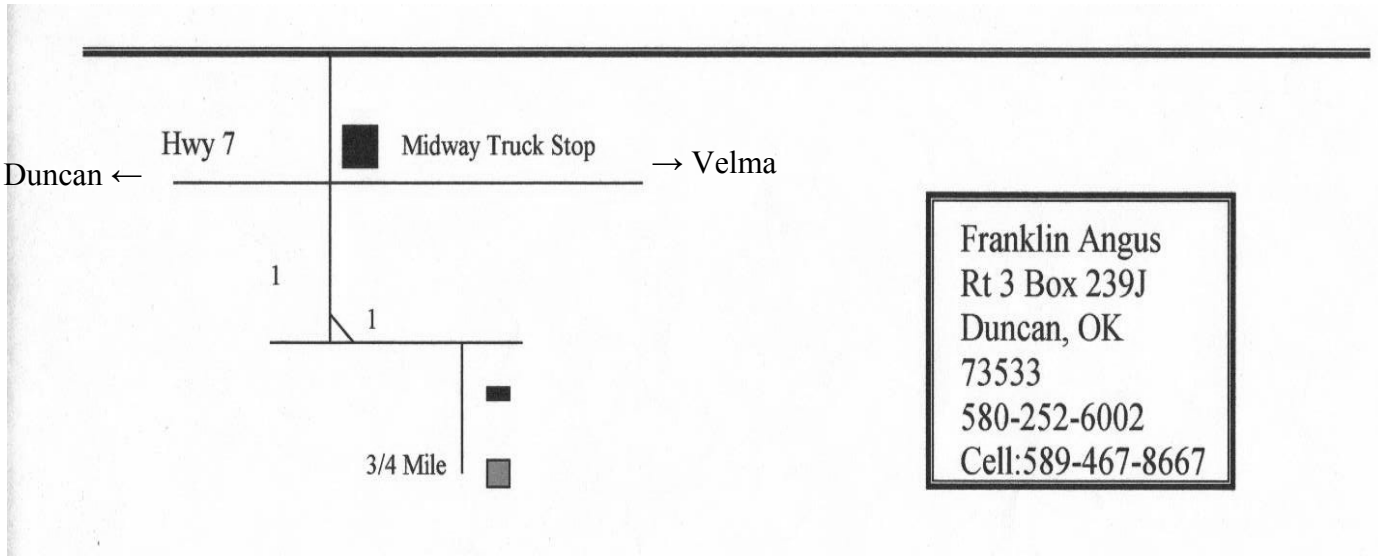
To Register..email Gerald Franklin at franklin@myrhinomail.com or call 580-467-8667.

Your Saltfork membership must be current to enroll.

Class size is limited to 8 students.

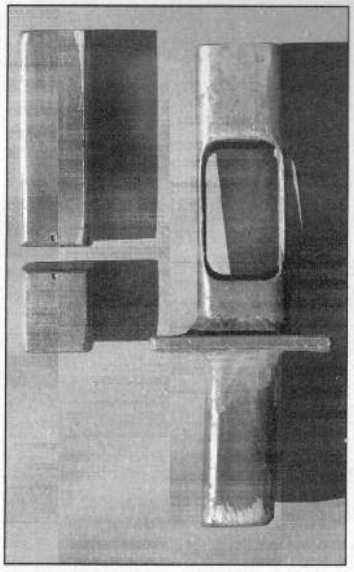
You ***must*** pre-register so that arrangements for lunch can be made.

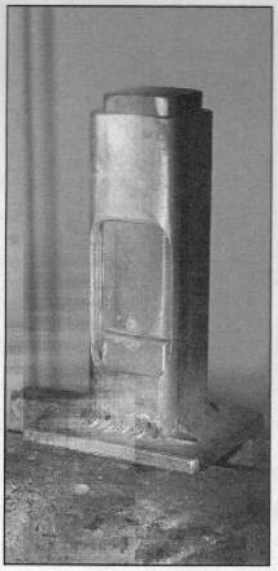
Maps and Directions to meetings



Smoosh-O-Matic

by Eden Sanders, San Andreas





The Smoosh-O-Matic is Mark Aspery's very portable three-piece tenon tool for smaller stock. The body is of three pieces: 1" square tubing with pass-through holes cut into it (and the inside filed smooth), a resting plate and a tang. The tang is *V*-welded to the bottom of the resting plate to accommodate grinding a chamfered but squarish shoulder so that the tool will seat in a Hardy hole or vise. The tang on Mark's is angle iron, more versatile, lighter weight, less grinding than the square tubing that was used on this version. Chamfer the working edges of the dies to reduce stress on the worked pieces. A very sharp shoulder can be a weak spot and invite an invisible cold shut (crack). Make this tool even more versatile by shaping other sets of top and bottom dies for fullering, shouldering and cutting. ♣

2010 Conference Comments (Annotated)

Gerald Franklin

Last month's newsletter had the comments that were submitted by some of the conference attendees. We have provided answers/remarks for some of the comments below. Similar comments were grouped for ease in providing a single response. The general "Thank You" comments printed last month, while greatly appreciated, are not reproduced in this list. Except for comments that are grouped, comments appear in no particular order or ranking.

- Start the auction earlier … It may appear that we could start earlier but we need to eat supper and have time to clean up demonstrator's auction items.
- Print last name larger on badges **[and]** Put names & towns larger on nametags … Our registrars are already working on a new design for next year's badges.
- New microphones that mount behind ears – near mouth @constant distance [**and**] Add video feed only to the side demonstrator is not working, i.e. video of both demonstrators going on both sides simultaneously … We are working on equipment upgrades for microphones. One of the problems with a video only feed is equipment. We already cart around a lot of equipment, but we'll look into it.
- Auctioneer is unnecessarily crude … We'll caution the auctioneer in the future.
- Larger auction number cards so they can be found in packet … Referred to registrar.
- Keep dogs away from buildings and parking lots [**and**] Tie dogs out away from high traffic areas, not where people are walking between buildings … We have asked that dogs not be brought into the eating/ class areas and this worked pretty well. Being "ambushed" by a dog in the parking lot is something else we need to fix.
- When people ask the demonstrator questions you can't always hear what the question is – maybe remind demonstrators to repeat the question … We always ask the demonstrators to do this, and they always agree but they sometimes forget.
- It often would help if a demonstrator would first show a sample of his project so that we could better understand the steps it takes to produce the final project … Demonstrators have done this in the past when they came armed with a sample but it's not always feasible. They often fly overloaded as it is.
- Need more items in the gallery … Agreed.
- More hand towels in the men's rest room and air freshener … We'll do better.
- And the reason you don't put directions to the conference is because? … We need to do this on both the conference brochure and on the website.
- Ice chest in the demo area for drinks for demonstrator … Good idea.
- Fan in demo area to stir a little air … There are fans in the arena area (both overhead and floor fans). Just ask for them to be turned on.
- Pictures of demo area to help with set up … Good idea. We do seem to re-invent the wheel each year
- Please consider getting Elizabeth Brimm as a demonstrator at a conference … We have a selection committee and I'm sure they will add Ms Brimm's name to their list for consideration. The committee, by the way is Bill Davis and David Seigrist. If you have other suggestions for demonstrators let them know.
- I would like to see some type of judged competition. Maybe Beginner, Intermediate, Advanced classes … We have considered activities like this in the past but we always come up with the same problem – lack of time. During a two day conference, there just isn't' time.