# Saltfork Craftsmen Artist-Blacksmith Association

June 2010



This is the design for the conference T-shirts. If you are planning to attend the conference this year you will definitely want to get your order in for the t-shirt.

# Saltfork Craftsmen Artist-Blacksmith Association Officers and Directors

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The Saltfork Craftsmen Artist-Blacksmith Association, a non-profit organization of amateur and professional artist and craftsmen, publishes this newsletter monthly. Our purposes are the sharing of knowledge, education and to promote a more general appreciation of the fine craftsmanship everywhere. We are a chapter of the Artist-Blacksmith Association of North America.

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Visit our Saltfork Craftsmen Website: www.saltforkcraftsmen.org

#### **Trading Post**

#### For Sale:

Army surplus round nosed pliers that make good scroll pliers for small items. They are 6" long \$5.00 each plus shipping. I also tie brooms on your handle or mine. \$25.00 plus shipping. Diana Davis 580-549-6824 or Diana-copperrose@hughes.net

50# New Style Little Giant Power hammer. Rebuilt late 2009. \$3500 Contact Bill Davis at 580-549-6824

Jim Dickey has a large amount of equipment for sale. A large shop forge, 3'x6' cast iron layout table, hand and power tools. Too many items to list. If you are looking for something give Jim, he might have it or know where you can get it. Call Jim at 580-748-0994

#### Wanted:

Advertising Coal Hammers, Contact Mike George at 1-580-327-5235or o Mike-Marideth@sbcglobal.net

#### **Club Coal**

Saltfork Craftsmen has coal for sale. Coal is in 1-2" size pieces The coal is \$140.00/ton or .07 /pound to members .**No sales to non-members.** 

#### **NW Region coal location:**

Bring your own containers. Contact Tom Nelson at 1 -580-862-7691 to make arrangements to pick up a load. **DO NOT CALL AFTER 9 P.M.** If you make arrangement well in advance, Tom can load your truck or trailer with his skid steer loader. Otherwise you will need to bring a shovel. The coal can be weighed out at the Douglas Coop Elevator scales. **NE Region coal location:** Dan Cowart also has coal to sell. He can be contacted at ddcowart@gmail.com or CowartPat@gmail.com

Mail your ads to the editor or email them to Diana-copperrose@hughes.net by the 20th or each month.

New shipment of swage blocks now in. \$80. plus shipping to members. \$100.00 plus shipping to non-members Contact Bill Kendall for more information





# MEETING SCHEDULE June

**SE regional meeting (June 5th)** Hosted by Mark Hammel in downtown Hugo, Ok at their Hugo Homecoming event. Lunch is on your own.

**NE Regional meeting (June 12th)** Hosted by Bill Phillips. Trade items is a animal/bird. Lunch provided but bring a side dish/dessert.

**SC Regional meeting (June 19th)** Hosted by Byron Doner. Lunch provided but bring a side dish/dessert. Trade item is something from a horseshoe.

**NW Regional meeting (June 26th)** Hosted by Ron Lehenbauer in Fairview at the Major Co. Historical Society fairground. Trade items is something western. Lunch provided.

#### NE Regional meeting

The NE Regional meeting was hosted by Gerald Bostek's at his home in Muskogee, Ok. Gerald demonstrated how to place a series of 20 or more different metals into a two inch box and create a real unique pattern Damascus. It was very interesting. Gerald's son served a great lunch of beans and brats. Gerald has a real neat shop, well thought out and placed.

The trade item was a yard ornament. Below are two pictures of ones that were brought.





This one has the Harmony twist in it.

Fred Voss had the opportunity to do two demonstrations in April. Below are his reports.

#### William Scout Camp

Williams Scout camp held a campout on the 16-17 of April. There were approximately 400 scouts and scouters camped out in the rain for a well attended campout. Again at the forge, I had John Blakley using the fire to heat up his branding irons to put brands on the scout cups. It did not interfere with the demo that I was doing. The rain had let up for most of the day Saturday so everyone had a good time. As for me, you cannot go hungry at this camp. I had four different groups wanting to feed me. All in all it was a good day.











#### Chisholm Trail Museum

Living History Day's was held in Kingfisher at the Chisholm Trail Museum. Friday was school days with aprox. 450 people to show up. I had the usual questions about the fire and what are you making. There was also the usual request for knives, swords and do I make horse shoes. We had a good day weather wise as the rain had passed during the night. On Saturday we had a good crowd with the most asked question being..."What are you burning and where do you get it?" I was kept busy at the forge all day as people stopped by to visit. Weather was good again except for around three we had a shower for about 30 minutes. All in all it was a good show.





#### S/C Regional meeting

The meeting was hosted by Gary Seigrist at the Blacksmith Shop at the Historic Route 66 Museum in Elk City. They had a good turnout with three forges going most of the day. Gary and his wife cook a good meal of grilled burgers and all the fixings. They had about 20 members and friends show up for the meeting.

The museum added another 2000 sq ft of building. This allowed Bob Kennamar to bring in some

items that had been in storage.





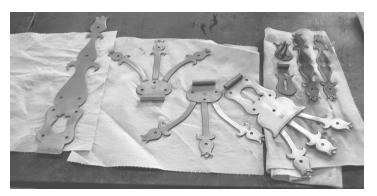
During the meeting Bill Davis showed Dorvan Ivy and Roy Bell how to make a tomahawk from a horse shoe rasp. .







Mike was working to finish up some hinges he had been asked to make. They had a lot of intricate filing that had to be done.





Mike getting help setting the hinge pen. The trade items was a hardy tool. There were four brought for the trade. Bill Davis made a small anvil for the hardy hole, Bob Gardner made a cut off hardy, Diana Davis made a wooden block for the hardy and Gerald Franklin

made a spring fuller.

#### **NW** Regional meeting at Guthrie.

David King hosted the meeting along with his annual swap meet. He had a great turnout for both. There were plans to pour a bell from bronze but I didn't get to hang around to see

how it turned out. Steven Knisely took a break from the Muskogee Castle to come over and man the forge inside for David. He had a good crowd watching while we were there.



SOUTHWESTER

RONWORKS

These are the two halves of the mold for the bell.

#### To compute the weight of a round steel bar.

Pounds per lineal foot = 2.6729 x D<sup>2</sup>
Pounds per lineal inch = .22274 x D<sup>2</sup>
D = Diameter in inches
To compute the weight of a square bar:
Pounds per lineal foot = 3.4032 x L<sup>2</sup>
Pounds per lineal inch = .2836 x L<sup>2</sup>
L = Length of one side in inches
To compute the weight of a flat bar:

Pounds per lineal foot = 3.4032 x W x T Pounds per lineal inch = .2836 x W x T W = Width in inches T = Thickness in inches To compute the weight of a hexagon bar:

Pounds per lineal foot =  $2.9473 \times D^2$ Pounds per lineal inch =  $.2456 \times D^2$ D = Distance from one flat to opposite flat in inches

To compute the weight of an octagon bar:

Pounds per lineal foot = 2.8193 x D<sup>2</sup>
Pounds per lineal inch = .23494 x D<sup>2</sup>
D = Distance from one flat to opposite flat in inches
To compute the weight of round tubing:

Pounds per lineal foot = 10.68 x (OD-W) –W Pounds per lineal inch = .89 x (OD-W) -W OD = Outside diameter in inches W = Wall thickness in inches To compute the weight of a circle:

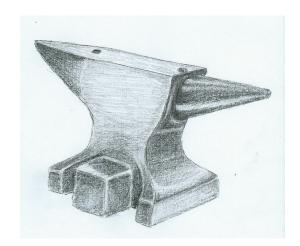
Pounds per piece = .22274 x T X D2 T = Thickness in inches D = Diameter in inches To compute the weight of a ring:

Pounds per piece = .22274 x T x (OD2 -ID2) OD = Outside diameter in inches ID = Inside diameter in inches T = Thickness in inches

# To compute the weight of the following metals multiply the weight of steel by the following factors:

\*Aluminum - 0.346 Beryllium - 0.236 Brass - 1.084 Cast Iron - 0.911 Columbium - 1.095 Copper - 1.144 Gold - 2.466 Lead - 1.448 Magnesium - 0.229 Molybdenum - 1.303 Monel - 1.084 Nickel - 1.137 St. Steel 300 - 1.010 St. Steel 400 - 1.000 Silver - 1.339 Tantalum - 2.120 Tin - 0.932 Titanium - 0.575 Tungsten - 0.462 Zinc - 0.911 Zirconium - 0.812

\*Aluminum depends much upon which aluminum alloy. The multiplier of .346 is based upon 1100 Alloy and is a pretty good generalization for most grades.





#### CHISHOLM TRAIL LIVING HISTORY & CRAWFISH FESTIVAL

1001 S. GARTH BROOKS BLVD., YUKON, OK FREE ADMISSION

JUNE 5. 2010

#### VOLUNTEERS ARE NEEDED!

Our "VOLUNTEER COOKOUT" will be Thursday evening, June 3, 6:30 p.m. at the Kirkpatrick Farm. Join us for a quick tour of the Saloon-Millinery-Post Office-Jail-General Store-Nellie's and School House. Schedules will be posted with assignments to help you locate your area before Saturday's activities. Shifts are: 10-12, 12-2, 2-4, 4-6 and 6-8. (Volunteers park on the grounds by the windmill Thursday evening). IF YOU HAVEN'T SIGNED UP YET – CALL DIXIE AT 641-6164!!! OR, EMAIL: dixieclement@sbcglobal.net!!! For those who can't make the cookout, you can pick up your T-Shirt Saturday, June 5, at the front gate. IF YOU PREFER TO ADVERTISE YOUR BUSINESS by wearing "business logo shirts" – DO SO! A volunteer will take you to your assignment! A "VOLUNTEER HOSPITALITY" area will serve lunch, drinks, snacks during the day! Here's a brief update on some of the events taking place on Saturday, June 5.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Finishing touches are being put in place for the Chisholm Trail Crawfish Festival, scheduled for Saturday, June  $5^{th}$ , 10 a.m. – 8 p.m.! Please mark your calendars now to enjoy this fun-filled event. The day will include a variety of cultural and living history events that relate to the way of life in the late  $19^{th}$  Century thru the settlement of Yukon, Oklahoma Territory in 1891.

Some of the many highlights of the day include settler encampments, Civil War living history displays, blacksmiths, sutleries, gunfights, traditional skill demonstrations such as basket making, spinning and weaving. The school house will ring in a day in the life of students several times during the event. "Critter Tales" will bring several live critters for an up close and hands on look at the animals that greeted the cowboys and settlers. "Chores" for the children include butter churning, quilt making, tin punch, wash board, and many more. For those that would like to live on the wild side, a guided hike around the historic Kirkpatrick Homestead is planned. Kids Kreative Korral, train rides, pony rides, western moon bounce, petting zoo, prairie crafts, prairie potting shed, panning for gold, extreme rodeo roping, will be waiting for the children.

Two step to the sounds of Louisiana and listen to Cajun-Country music. Crawfish races, chicken scrambles, pie eating, crawfish eating, beans/cornbread eating contests throughout the day! Crawfish and fresh Cajun dishes with all the fixins! Plus, tradition hot dogs, nachos, etc. for those less adventure-some! Miss Patty will be there with the ice cream truck! Craft booths also!

New this year: GOLDEN COWPIE TREASURE HUNT!!! This one day hunt will net the registered finder of the golden cowpie \$500!!! Only 75 licenses will be sold for this year's event. Entry packets are \$15 and include a list of 20 questions about the Chisholm Trail (internet sites for research are listed) along with a list of clues to assist you on June 5. You'll also receive your GOLDEN COWPIE T-SHIRT! Packets

are available at Longhorn Gallery in Yukon, located at the Chisholm West Shopping Center or call Dixie at 641-6164!

Geocache on the Chisholm Trail! Geocaching, pronounced geo-cashing, is a high-tech treasure hunting game played throughout the world with the use of GPS devices. This year the Historic Chisholm Geo-Trail will feature a dozen sites located on the festival grounds. This is a one day event. Access to this private property will only be available on June 5<sup>th</sup>.

Expert appraisers, Donna Brady and Bill Sanders will be onsite for "Trash or Treasure" from 10-1 p.m. The registration fee is \$2 per item or 3 items for \$5. There is a limit of 3 items per person. Verbal market evaluations will be given in many categories including general line antiques, dolls, toys, bears, quilts, glass and wood. No paper items, money, coins or fine art will be accepted for appraisal.

Civil War Camps include Headquarters Detachment, Civil War Signal Corp with Frontier Brigade; Howell's 11<sup>th</sup> Texas Light Artillery CSA; 77<sup>th</sup> PA Vol Infantry; 16<sup>th</sup> Arkansas Vol Infantry-Confederate and 22<sup>nd</sup> Arkansas Vol Infantry-Confederate. Demonstrations are scheduled. Beckie Kendrick, Mayor of the 77<sup>th</sup> PA Civilian Corp along with Kim Gray, Vice Mayor will be setting up their sutleries and will also provide stump speeches on women's rights, prohibition, mulage battle wounds and spiritualist impression! Mike Bradley will have clothing (1800-1890) with interesting information and fashions!

Guthrie Gunfighters, Little River Gang and the Stockyard Regulators will be performing the Gunfights during the day. Bob Warren will be working the Nuzum Chuckwagon. Bill Hester (Army Scout/Buffalo Hunter) will display guns and Anna Hester will be spinning! Virgil Staggs will demonstrate roping and story telling, along with SueEllen Wiser's demos of sewing cooking, and handwork. Mike Klemann has the cowboy camp; Jim Carothers will amaze you with his blacksmith skills (Jim is a Saltfork Craftsmen-Artist)! Donna Lusk will have the Miller Gang's Settler's Camp and Alan Swarts will display his vintage gun collection. Joan and Tom Galbraith will set up their loom and spinning display.

"Down by the Pond", Bass Pro will display the latest in "camping" experiences, along with the Boy Scout Troop encampments and if you've not been introduced to "tailgating" – Francis Tuttle Instructors will be on hand to oblige!!!

The Chisholm Trail Festival will finish up the day with a "Flag Retirement Ceremony" led by Last Frontier Council of Boy Scouts of America Troops 389, 306, 399, 553 and 391. Senator Ron Justice will provide opening remarks for the ceremony.

dixieclement@sbcglobal.net 405-641-6164

#### SOUTH CENTRAL MEETING DATES

#### SOUTH EAST MEETING DATES

January 16, 2010 Host: JC Banks

Phone # 580-482-3209

Trade item:

February 20, 2009 Host: Gerald Franklin Phone #: 580-252-6002 Trade item: a riveted item

March 20, 2010 Host: Byron Doner

Phone #

April 17, 2010 STATE PICNIC NORMAN OK

May 15, 2010 Host: Gary Seigrist

Phone #

Trade item: Hardy tool

June 19, 2010 Host: Byron Doner

Trade items is something made from a horseshoe

July 17, 2010

Host: Alex Scrudder Phone #: 580-550-0882

August 21, 2010 Host: Terry Jenkins

Phone #:

Trade item: camping tool

Sept. 18, 2010

Host: Gerald Franklin at Sulphur tractor show

Phone #: 580-467-8667

October 16-17, 2010

Host: : SCABA Conference Perry, Okla.

November 20, 2010

Host: Bill and Diana Davis Phone #: 580-549-6824 Trade item: door knocker

December 18 2010

Host: Phone #:

January 2, 2010

Host: Phone #:

February 6 2010 Host: Eddie Horton Phone #: 580-513-8370

March 6, 2010

Host: Phone #:

April 3, 2010 State Picnic Month

May 1, 2010

Host: Phone #

June 5 2010

Host: Mark Hamell in Hugo, Ok

Phone #: 580-317-3700

July 3, 2010 Host: Phone #:

August 7, 2010

Host: Phone #:

Sept. 4, 2010

Host: Phone

October 2, 2010

Host: Phone:

November 6, 2010 Host: open

Phone #:

December 4, 2010

Host: Phone #

#### NORTH EAST MEETING DATES

January 9, 2010 Host: Gary Gloden

Phone #

Trade item; something made at meeting

February 13, 2010 Host: Bill Kendall Trade item. A heart

March 13, 2010 Host: Dan Cowart

Trade items: a 4 leaf clover or something

April 10, 2010

STATE PICNIC MONTH

May 8 2010

Host: Gerald Brostek

Phone #: 918-687-1927 trade item; yard ornament

June 12, 2010 Host: Bill Phillips Phone #:918-823-4224 Trade item: Animal or Bird

July 10, 2010 Host: Clayton Hall

Phone # 918-605-6241 Trade item; spork/eating utensil.

August 14, 2010

Host: Omar Reed/ Fort Gibson

Phone# 918-478-4088 Trade item Hinge

Sept. 11, 2010

Host: Dan Cowart/ Pawhuska

Phone #918-440-0653

Trade item: something with a feather

October 9, 2010

Host: State conference

Phone#

November 13, 2010 Host: Matt Goyer Phone # 918-272-8424 Trade item: cross

December 11, 2010 Host: Charlie McGee Phone #: 918-245-7279 Trade item: angel

#### NORTH WEST MEETING DATES

January 23, 2010 Host: Charlie Todd Phone# 580-242-0105

Trade item; anything forged

February 27th, 2010 Host: Mandell Greteman Phone # 580-515-1292 Trade item; tool

March 27, 2010 Host: Mike George Phone #: 580-327-5235 Trade item; Flower

April 24, 2010

STATE PICNIC MONTH

May 22, 2010 Host: Phone #

Trade item:

June 26, 2010

Host: Ron Lehenbauer at Fairview fair grounds

Phone #:580-758-1126

Trade item; something western

July 24, 2010

Host: Phone #:

August 28, 2010

Host: Ron Lehenbauer, Fairview trade item: campfire tool

Phone #: 580-758-1126

Sept. 25, 2010

Host: Gary Seigrist (Elk city) Phone #: 580-225-3007

Trade item; something from a horseshoe

October 23, 2010

Host: Phone #.

November 27, 2010 Host: Tom Nelson Phone #: 580-862-7691

December 25, 2010 Merry Christmas

#### **President's Notes**

#### Gerald Franklin

The month of May was a pretty good one for meetings. Gerald Brostek hosted the North East meeting in Muskogee, Gary Seigrist hosted the South/Central meeting in Elk City, and David King hosted the Northwest meeting in conjunction with his annual Swap Meet in Guthrie. Things were a little out of synch with the May meetings as far as traditional meeting dates for the regions, but we wanted a clear date for David King's event so we moved some dates around.

The Elk City meeting was the only one that I could get to and I'm sure glad that I was able to make that one. First of all, there was a good crowd of folks, many of whom I haven't had a chance to visit with for a while. Second, it gave us the opportunity to present a plaque to past President Jim Carothers. He served as President for five years and is responsible for most of the progress that the club made during that period. The Board of Directors wanted to recognize Jim for his service and I was pleased to be able to present the plaque to him.

Now, let's talk about demonstrating our craft to the public. We get calls quite frequently from people wanting demonstrators for their events. It may be for a school group, a tractor show, or a community event. Sometimes the event will fall on a weekday, but usually, we are needed on a Saturday...just when many of our members want to "kick back" after a long workweek. I have started suggesting to folks that they consider growing their own set of demonstrators. I tell them that we will train their volunteers for them if they will come up with a few brave souls who will then be available to demonstrate for their community events. They all agree that this is an "excellent idea" but as I write this installation of the President's Notes, I have had exactly zero appointments set up to train THEIR people for them.

So, in the mean time, we are looking at doing business the old way; we go out and demo for the "East Tennis Shoe Peach Festival" for the town of East Tennis Shoe. We do this for a variety of reasons. Our bylaws state that one of the purposes of the club is to promote blacksmithing to the public and a great way to do that is through public demonstrations. I'd like to encourage you to consider demonstrating. Yeah, it's hard work. Yeah, it gets tiresome listening to the tales about how a person had to turn the blower for Grand Pa when he worked. Yeah, it gets old listening to the "it don't take me long to look at a horseshoe" joke for the thousandth time, but there are rewards, too. We pick up new members by demonstrating. Some of us make a little money. Some of us actually like dealing with the public. Whatever the reasons, the bottom line is that we always seem to have more requests for demonstrators than we can cover. On a personal level, consider that demonstration time is free practice time. Most of us don't take the time in our own shops to engage in the little mindless tasks like forging S-Hooks or making nails. But consider that these little "pee-dunk" projects require hammer control and as you turn out more and more of these as you talk to the public you are grooving your swing, a pay off for you. And when folks share with you "My Grand Daddy was a blacksmith" for the um-teenth time that day, be polite and just say, "Really? I'd like to have met him."

#### Demo at Bray, OK

#### Gerald Franklin

I recently did two demonstrations for my good friend Orvel Robinson at his Snake River Junction old west town near Bray, OK.

On Friday, April 30<sup>th</sup>, I set up for about a hundred plus first graders from the Marlow Elementary School. It's hard for me to demo for a group that young because I never know whether I'm getting through to them. I just have to keep reminding myself that a six-year-old only wants to see some hot iron come out of the fire. What happens after that isn't worth talking about.

The bus arrived and when the doors opened, it was like a covey of quail rising. Kids went everywhere with teachers and parents trying to get them corralled. Eventually things settled down enough for them to cycle by the blacksmith shop for a demo.

The kids lined the street for a gunfight courtesy of Orvel's "Snake River Gang" before lunch. After lunch, the kid's had a street dance and more smithing demonstration.

On the following Wednesday, May 5<sup>th</sup>, I went back to Bray for a demo for a group of Gifted and Talented students from Mark Twain Elementary in Duncan. These kids were a little older, more settled, and definitely more interested. After the gunfight, many of them brought their lunch down to the black-

smith shop to watch me work while they ate. They asked good questions, paid attention, and seemed enthused with the forge work.

Both days were good demo days and maybe we hooked some new members who will sign up with Saltfork in a few years.



Tom Nelson, Adam Hall, and Jim Carothers represented Saltfork at the annual Rural Heritage Day held at the Perry, OK Cherokee Strip Museum. Even though the day was cool and sometimes damp, we had a good crowd most of the day. In addition to the local area crowd, a tour bus full of people from Wyo-

ming managed to find their way to the museum also.

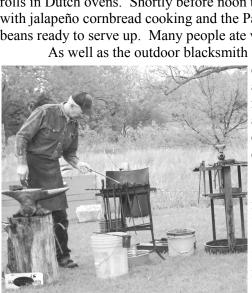
We three Saltfork members had a very good spot to set up the smithies – that being right next to the chuck wagon of my friends Patty & Gary Wright of El Reno. They made sure the cowboy coffee pot was on early and through the morning fixed both sour dough biscuits and their famous sour dough cinnamon rolls in Dutch ovens. Shortly before noon the Dutch ovens were in use again with jalapeño cornbread cooking and the Patty & Gary team had a pot of cowboy beans ready to serve up. Many people ate very well that day.

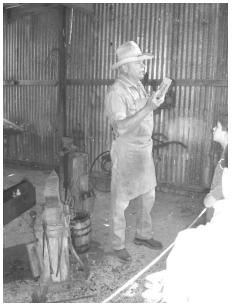
As well as the outdoor blacksmith shops, there were a number of chil-

dren's events at the museum including a May Pole, a rope maker, a sign maker that used branding iron letters, a cow trail camp site, Patty & Gary's chuck wagon cooking demos, and classes in the Rose Hill one-room 1900's school house.

See: http://www.cherokee-strip-museum.org/RoseHill.htm for more information about the first-person living history classes held at the Rose Hill

For our smithing demo work, the Museum donated \$25 to the Saltfork Scholarship fund. This is an annual event in Perry; Saltfork members will be invited to participate in this day of Oklahoma small town fun again next year.





#### Muskogee faire..

This month has been a busy one for the Medieval blacksmiths in our group. The Muskogee Castle has blacksmith on duty every weekend in May. That means 5 weekend of hard, hot work. Ken Doner went to several of the weekend events and sent back the following pictures. I would like to thank Ken for taking the pictures at several of the events that I am not able to attend. It makes my job and your newsletter a lot better.

Editor



#### Hammer making workshop.

David Seigrist set up another great workshop that was held on May 21 and 22nd. It was a one day workshop taught by Nathan Robertson from Minnesota. He brings his hammers to our conference each year

and the more popular sizes and shapes go quickly. The workshop was held at Byron Doner's new shop. There was plenty of room to set up the forges and anvils. Enough for everyone to pair up and work in teams.

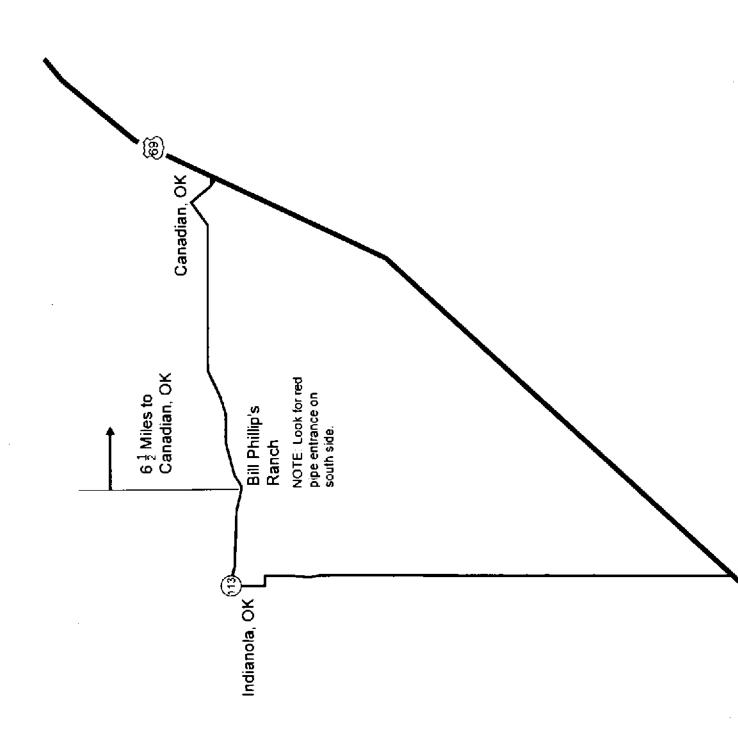




Bryon told me that there were 12 students on Saturday and 10 on Sunday.



Map to Bill Phillips place. He is hosting the NE Regional meeting in June.



### Cup Hook Steve Bloom

Materials: 20' of 1'x3/16'

Mark at 1' and 4' from both ends

Vorking on one end at a time...

Draw a point

Spring fuller notches

Draw a taper

Form a leaf and chisel

vens and rib. Shape leaf

into a life-like form.

Punch a counter-sink
but don't punch all
the way through

Make a right-angle bend at the 4" marks.

Using the curve former, insert the bend as shown and then pull the stock back into line - forming a pleasing snooth curve.

Repeat all steps on the other end of the bar.

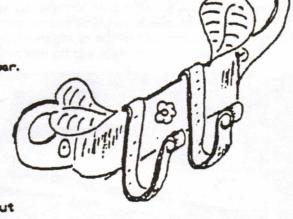
Using a bending fork, bend the leaf through 180 degrees, then bend the leaf forward so it lies over the top of the smooth curve but does not block the counter-sink depression. Herror-inage the other leaf.

Jigs:
Curve Former:
Veld 2 pieces of
1'x1' angle & a
section of 1.5'
pipe to 5' of 1.5'x
1.5' angle, leaving
0.25' between pieces. Add a hardy
stub.
Spacer: kink an 8' piece of 1'x1/4'
flat stock,

Fold the rear of the hook through a right angle (take care not to crush the hook)

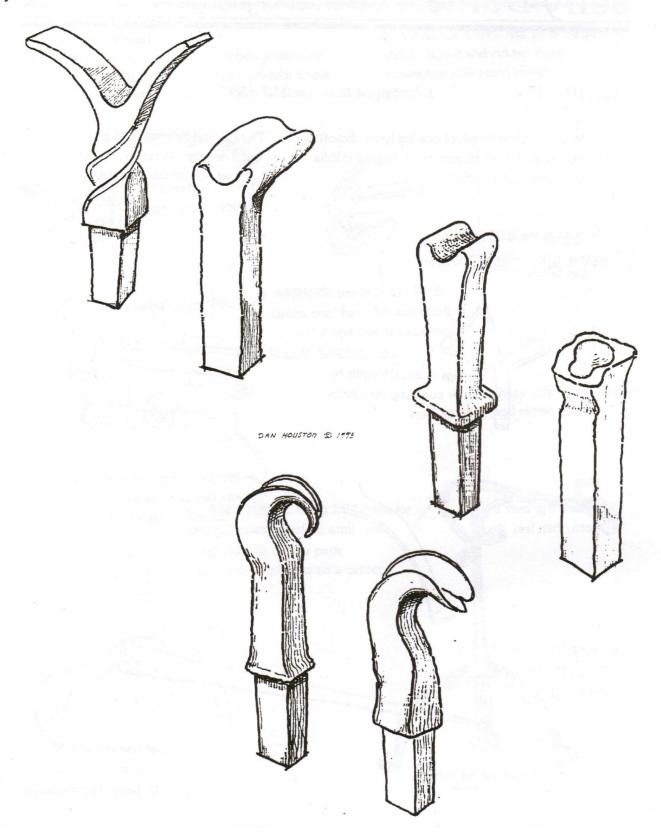
Use the spacer to close the rear of the hook to a 0.25° gap. Hake 2 or 3 such hooks.

Dril out the nounting holes and use whatever surface treatment you like.



## Yellen Leaf Stakes

By Dan Houston



### **SCABA** membership application

April 1 2010—March 31–2011

Please accept my application	Date:	
First Name	Last Name	
Married? Yes No	Spouses Name	
Address		
City	State	ZIP
Home Phone ()		
E-Mail		? Yes No
ABANA NE	EW & RENEWAL N	MEMBERSHIPS
Name :	Member	ship ID #
Business Name (optional) :		newals. Optional but very helpful)
Street :		
City :		
City :	State/Prov : _	
	State/Prov :	
Zip/PC:	State/Prov : Country : Fax :	
Zip/PC:	State/Prov : Country : Fax :	
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