



# VOICE

AUGUST

2013

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## UP COMING EVENTS

AUGUST 10, 2013 - ROBERT MUESER - MOUNTAIN HOME, AR  
TRADE ITEM - ANYTHING MADE FROM A  
COMBINATION OF A RAILROAD  
SPIKE AND A HORSESHOE

AUGUST 20, 2013 - DEAD LINE FOR THE NEWSLETTER

SEPTEMBER , 2013 - TIRED IRON TRACTOR SHOW - GENTRY, AR  
TRADE ITEM - SMALL ANVIL

SEPTEMBER 20, 2013 - DEAD LINE FOR THE NEWSLETTER

OCTOBER . 2013 - HARRISON SQUARE

OCTOBER , 2013 - RUSTY WHEEL SHOW

OCTOBER 20, 2013 - DEAD LINE FOR THE NEWSLETTER

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### NEWSLETTER DISCLAIMER:

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This month's meeting took place at Richard Ross' Elbow Holler Forge in Rea Valley. We welcomed new members Luke Roberts from Mountain Home and Clyde Foster from Huntsville. Luke brought several of his hand made knives to show our members, which were very impressive.

Justin Jones reported that he is still working out details on a hammer class, he should have more to report on that next month. Two potential teachers for this class are Nathan Roberts of Jackpine Forge, or possibly Bryan Brazeal.

The website Dale Custer is working on for BOA can be found at - <http://anvil.impactyourweb.com/> - which can also be found by a google search.

We would like to thank Robert Fox for his third contribution to BOA's newsletter. His articles are very informative and we want him to know we appreciate his work! We are always looking for member contributions in our monthly newsletter.

Mike Williamson discussed further details on a First Aid kit for BOA. If anyone has a box or canvas bag they would be willing to donate, please bring it. Also, please contribute anything to our kit you determine to be useful.

We would like to thank Tom Upton for donating funds to BOA from scrap metal he recycled that was left over from a previous meeting.

The tool box had reached \$396 by the end of the meeting Saturday. The membership voted to have the drawing for the tool box at our October meeting at Rusty Wheels, so please continue to bring tools and buy tickets for our tool box!

Ron Wells reported that Tanner Steel north of Harrison is interested in stocking some blacksmith tools, and possibly coal in the future. There may be more to come on this down the road.

Bob Patrick reported the deadline for the Alex Bealer Award is approaching. He also reported that ESSA out of Eureka Springs is working on opening a blacksmith shop by next year, a project he is advising on.

If anyone takes photos during any of our meetings, or has photos they would like to share of any blacksmithing activity, please email Dale or Justin.

Richard Ross demonstrated making a tomahawk during our meeting Saturday, which was raffled off to raise funds for the club. We would like to thank Richard for demoing all day and for allowing us to visit his shop again!

I'd also like to note that my wife and I are expecting our first child later this month. Notes of advice or sympathy are appreciated - [justinofboa@gmail.com](mailto:justinofboa@gmail.com)

Happy Forging!

Justin Jones

THANKS TO RICHARD ROSS FOR DONATING A BOX FOR THE FIRST AID KIT.  
WE NOW NEED TO FILL THE KIT.

TOOL BOX DRAWING WILL BE HELD IN OCTOBER AT THE RUSTY WHEEL  
SHOW, HARDY IS STILL TAKING DONATION AND HAS TICKETS.

*TRADE ITEM LIST*

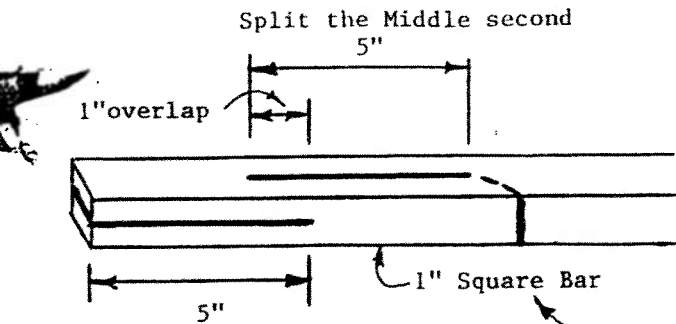
BACK SCRATCHER
BEAM HOOK
BELT BUCKLE
BENDING FORK
BOOT SCRAPER
CANDLE HOLDER
COAT HOOK
DINNER BELL
DRAWER PULLS
FLINT STRICKERS
FORK
HAT PIN
HATCHET HEAD
HEART
HINGES
ITEM MADE FROM A HORSE SHOE
ITEM MADE FROM A HORSE SHOE NAIL
ITEM MADE WITH A MARBLE IN IT
KNIFE
LEAVES
LETTER OPENER
NAIL
POKER
POT RACK
RAKE
RING
SNAKE
SPATULA
SPOON
TONGS
TRIVET

# First Aid Kit

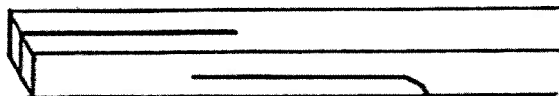
*Burn ointment  
small boxes for*

Description	<i>case 7 1/2" x 5 1/2"</i>
Triangular sling/bandage,	
Adhesive plastic bandages	
Insect sting relief pads	
2" x 5 yd. Latex free elastic bandage	
2" Conforming gauze roll bandages	
3" Conforming gauze roll bandage	
2" x 2" Gauze dressing pads	
Sterile eye pads	
Antiseptic cleansing wipes	
Triple antibiotic ointment packs	
Instant cold compress	
Aspirin tablets	
Scissors	
Tweezers	
1/2" x 10 yd. First aid tape roll	
Exam quality gloves	
First Aid Guide	

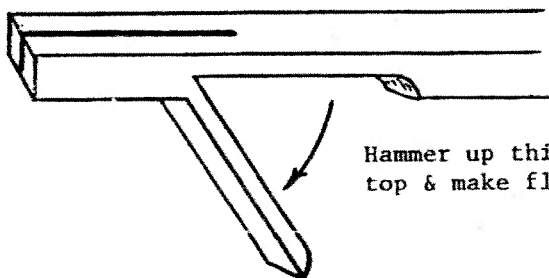
# Blacksmith Hints



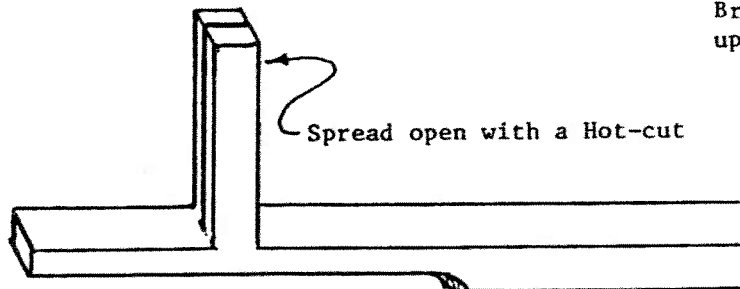
Split this End First



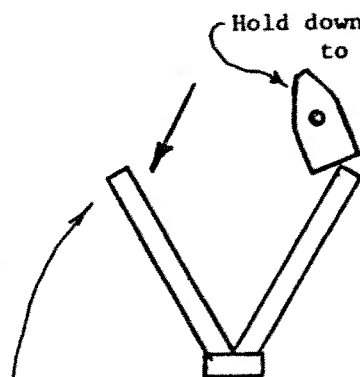
Hammer down on top to start to open up bottom



Hammer up this part to top & make flat with Bar.



Spread open with a Hot-cut



Hold down with a Hammer on this side to make it stationary.

Flatten the Cross & square up Hammer down ridge at splits.

Hammer down on this side.

1"Overlap on 1" Sq. Bar  
 3/4"Overlap on 3/4" Sq. Bar  
 1/2"Overlap on 1/2" Sq. Bar

Split with a 1" narrow Hot-cut  
 Hold the Hot-cut Straight  
 Take the edge off of the Hot-cut so it won't make grooves.

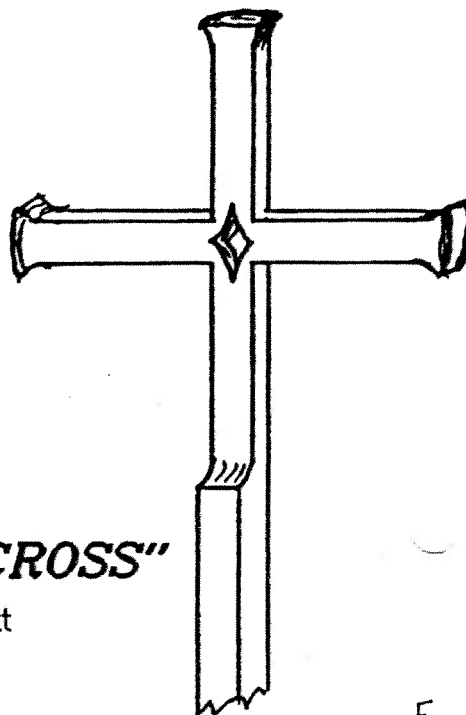
Clean sides of Split. Don't Leave Burr:

Make this Split Third-Use a thin Gouge Split from both Sides.  
 Mark all cuts first on both sides before splitting.  
 Always after making splits close up cuts & straighten up.

Make sure all cuts are clean & all the way through & even to the Ends.

Open up to make even splits across bottom & top on the Middle Split.

Bring Ends to a white heat & upset Ends about 1/2" on all 3 Arms.



## "BLACKSMITH CROSS"

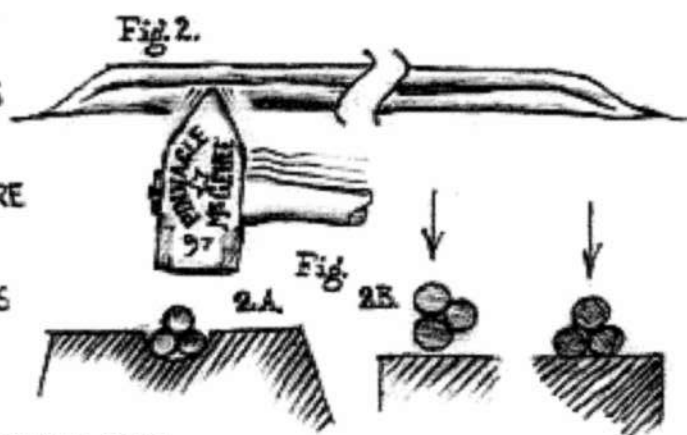
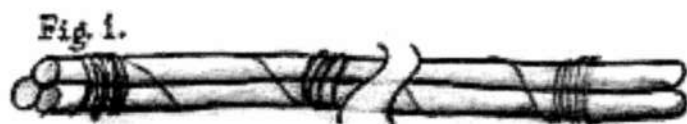
By Dwain Pruett

# ROBERTA ELLIOTT

## ALFRED, NEW YORK JUNE 1996

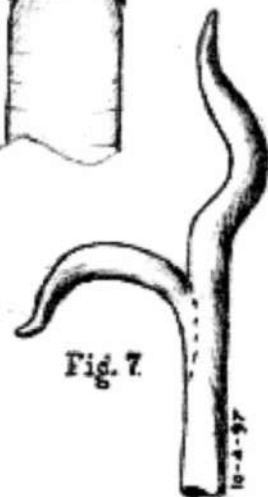
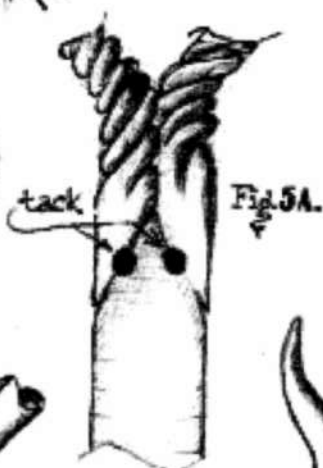
### HANDLE

- 1) START WITH 11" OF  $\frac{3}{16}$  @ STOCK, 3PIECES, BUNDLED TOGETHER W/ TIE WIRE. (FIG 1)
- 2) FORGE WELD AND SCARF BOTH ENDS (FIG. 2)\*
- 3) TWIST TIGHTLY. MAKING SURE SCARFS ARE LINED UP AS IN (FIG 3.)
- 4) BEND INTO TEAR-DROP SHAPE WITH SCARFS ALIGNED AS SHOWN IN (FIG. 4.)
- 5) SCARF END OF  $\frac{3}{8}$ - $\frac{1}{2}$ " @ (FIG. 5)
6. TACK WELD HANDLE PIECE ONTO SHAFT, MAKING SURE NOT TO GET ANY OF THE WELD ONTO THE TIPS OF SCARFS (or is the plural "scarves"?), (FIG 5A.)
7. FORGE WELD HANDLE ONTO SHAFT.



### BUSINESS END

- 1) SCARF OPPOSITE END. LOOP IT BACK ONTO ITSELF, USING 8"-10" IN LOOP.
2. FORGE WELD FOR ABOUT 2" (FIG. 6.)
- 3) HEAT LOOP TO BRIGHT YELLOW. CUT SLIGHTLY OFF CENTER + STRAIGHTEN OUT ARMS.
4. TAPER SHORTER ARM + BEND BACK.
- 5) TAPER LONG ARM + LEAVE IT POINTING STRAIGHT AHEAD. (FIG. 7.)



\* The weld is most easily done in a swage block or bottom swage. to keep the 2 bottom pieces together while striking the top one (FIG 2A). If a swage isn't available, Walt Hall tells me to weld one on top of another. Then turn it 90° to rest on the anvil as a pyramid to weld in the 3rd. piece (Fig. 2B.)

# Blacksmith Hints

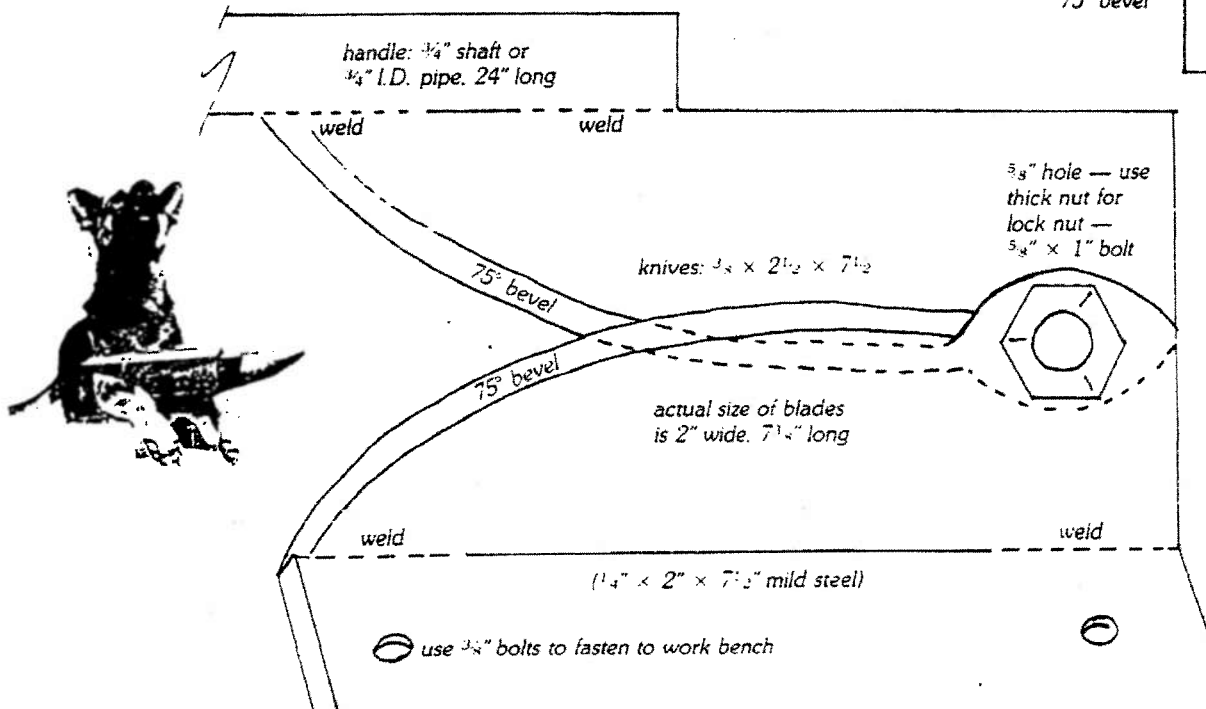
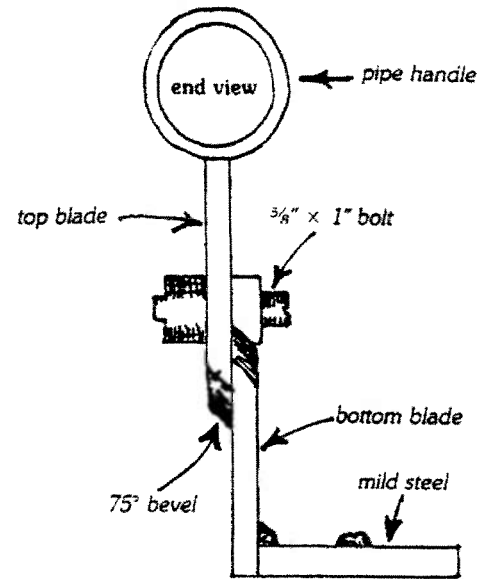
## Sheet Metal Shear

Ollie Juairé  
courtesy of *Metalsmith*, an Upper Midwest Regional publication

Use steel that is hard or can be hardened by tempering. It must be hard enough to cut mild steel. Make the top and bottom blades the same size.

I used a straight flat plowshare  $\frac{3}{8}$ " thick. Make sure the steel is straight. Cut the blades with a cutting torch. Grind 75° angle on the blades.

This shear will cut  $\frac{1}{16}$ " mild steel sheets and galvanized sheets or  $\frac{1}{8}$ "  $\times$   $1\frac{1}{2}$ " strap iron. It took me about 2 hours and 20 minutes to make it. If you have any questions, call 612-735-0453. You can use this shear to cut your toenails, and you don't even have to take your shoes off.



Sent in by David Oliver - Bristol, Tennessee

**Metal Finishes**  
by Gordon Williams  
at the 2006 BAM Ozark Conference

***Always use a respirator, rubber gloves and eye protection***

**Old Copper Penny Finish**

Steel needs to be cleaned 1<sup>st</sup>. In a 16 oz. Lawn & garden spray bottle mix:  
8 oz. Peroxide  
6 oz. Copper Sulphate Mix  
2 oz. Muriatic Acid

**Bright Copper Finish**

In 1 gallon of water mix:  
1 cup Roebic K77 Root Killer (*for septic & sewers*)  
"I use this for my Old Copper Finish". –G. Williams

**Rust "no-rust" Finish** by John Crochet

Clean & prime bare metal.

Mix:

10 parts Denatured Alcohol  
1 part Shellac

Add Manson's Stain for desired color (cement coloring powder).

Apply with spray bottle, pump sprayer, or paint gun.

When dry, you can apply contrasting/ complimentary colors (mix as above) –  
stipple, spritz, etc.

**Gilder's Paste** (great colors) from Pieh Tool Company

1. Clean metal that you can prime.
2. On pieces like railings, apply a base coat of flat black paint and let dry.
3. You can highlight or fully cover.
4. Use a cut down bristle chip brush or stipple with an acid brush. Dip your brush in mineral spirits, then the paste.
5. Let dry. Buff with a soft shoe brush or cotton cloth.
6. Seal with Krylon® matte spray.
7. If desired, apply paste wax and buff with a shoe brush or lint free cloth.

**Claying a forge**

Claying a forge entails packing a layer of mud into it. You can get fancy and buy high-temperature fire-clay, go basic and dig a wad of mud out of your backyard, or anywhere in between. To prevent cracking mix LOTS of sand with it. The mix should be anywhere from 50 percent to 75 percent sand. Use the mud to hold it together, and that's about it. Fire it



BOA BLACKSMITH TOOLBOX RAFFLE LIST

CONTENTS ARE:

PICKUP TONGS

LONG HANDLED SCROLL TONGS WITH A ROUND TENDON ON ONE REIN

5/16 FERRIER TONGS, 1/2" SQ/RND TONGS, 3/8 SQ/RND TONGS

LARGE SIZE SCROLLING TONGS/PLIERS

6" CALIPER, HANDLED SLITTER

ADJUSTABLE BENDING FORK

BENDING FORK

SMALL SIZE SCROLLING PLIERS

3/4" HANDLED ROUND TOP FULLER

MONKEY WRENCH WITH A WELDED HANDLE TWISTING TOOL

ROUNDING HAMMER WITH A STAINED HANDLE

HAND MADE PUNCHES -- EYE AND CENTER

MEDIUM BALL PEEN

WIDE CHISEL OR NARROW SLOT MAKER -- EDGE IS FLAT NOT SHARP

HAND MADE COAL FORGE RAKE

TALL CUTOFF FOR HARDY HOLE

Kenny Tanner  
R and B Steel Sales  
Harrison, AR  
1 - 870 - 741 - 7258  
Cell -- 1 - 870 - 480 - 7282

DIRECTIONS TO  
TIRED IRON OF THE OZARKS

TIRED IRON IS LOCATED AT 13344

TAYLOR ORCHARD RD. GENTRY, AR

DIRECTIONS FROM HWY 412 AND

MOUNT OLIVE ST. IN SILOAM SPRINGS, AR

GO NORTH ABOUT 1.7 MILES ON MOUNT  
OLIVE ST.

TURN RIGHT ON DAWN HILL RD. TO TAYLOR

ORCHARD RD { NOTICE SIGN IN THE "Y" }.

TURN LEFT ON TAYLOR ORCHARD RD.

GO ABOUT 2 MILES { STAY ON PAVEMENT }

ON TAYLOR ORCHARD RD TO SHOW GROUNDS.

DIRECTIONS FROM HWY. 59 IN GENTRY, AR

FROM THE TRAFFIC LIGHT AT HWY. 59, GO WEST  
ON HWY. 12 { THIRD ST. } FOR ABOUT 1/2 MILE.

JUST PAST THE CITY PARK, TURN LEFT { SOUTH }

ON PIONEER LANE { FOLLOW SIGNS FROM THIS POINT }.

GO SOUTH ON PIONEER LANE FOR ABOUT 1/4 MILE TO  
THE CORNER OF THE HIGH SCHOOL PRACTICE FIELD.

TURN RIGHT { WEST } ON SWEPKO RD.

FOLLOW SWEPKO RD THROUGH THE CURVES FOR  
ABOUT 1 MILE.

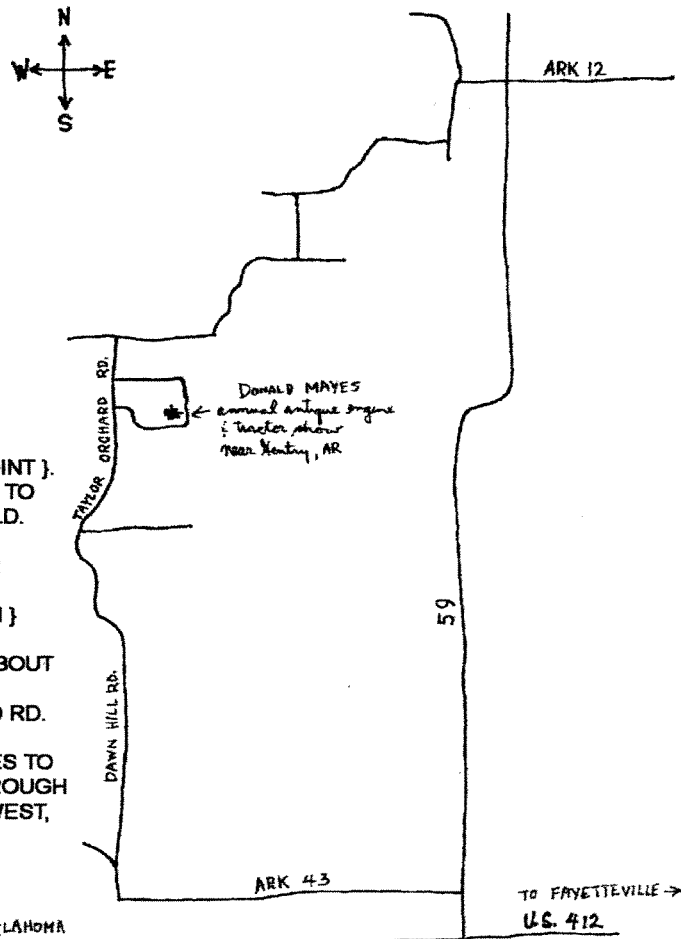
TAKE TAYLOR ORCHARD RD TO THE LEFT { SOUTH }  
FOR ABOUT 1/2 MILE.

TURN RIGHT { WEST } ON MARION LEE RD. FOR ABOUT  
1/4 MILE.

TURN BACK LEFT { SOUTH } ON TAYLOR ORCHARD RD.

STAY ON TAYLOR ORCHARD RD. FOR ABOUT 2 MILES TO  
13344 TAYLOR ORCHARD RD. THE ROAD GOES THROUGH  
CURVES, AND AFTER IT STAIGHTENS OUT TO THE WEST,  
GO ABOUT 1 MILE.

TAYLOR ORCHARD RD. WILL TURN BACK TO LEFT  
{ SOUTH } ABOUT 1/8 MILE TO THE SHOW GROUND  
ENTRANCE.



## TAILGATE CORNER BUY SELL AND TRADE

FOR SALE OR TRADE; FORGES, FIRE POTS, BLOWERS, ANVILS, HARDY TOOLS, TONGS, HAMMERS, VISES, AND ETC. CALL FOR A CURRENT LISTING & PRICES.

Bob Lock - 417 847 6708.

SOWRDS, KNIVES, AND DAGGERS IN STORAGE  
FIRE FOR SALE 19 PIECES IN ALL.

- 1 - 36" SINGLE EDGE AND METAL SCABERED
- 2 - 28" SINGLE EDGE SWORDS
- 16.5", 12.5", 11", 10", 9.5", 7" SINGLE
- 9" AND 8.5" DOUBLE EDGE SWORDS
- 1 - 8" STAINLESS KNIFE
- 1 - 6" DAGGER
- 2 - 4" GUT HOOK KNIVES
- 1 - 3" KNIFE
- 2 - 6" KNIVES
- 5.5" FOLDING FROST CUTLERY KNIFE

CALL OR WRITE

ASHLEY CHERI  
267 MAYFIELD LN  
FLIPPIN, AR 72634  
1 - 870 - 736 - 0429

### For safety's sake

If you are doing your forging in a place like a garage that serves another function, take a minute to make sure there isn't something laying around that doesn't mix with open fires. I was attempting a forge weld the other day and followed the path of the flying sparks when I saw them land on the lawn mower parked at one end of the shop. I also had a couple of gas tanks in the room. These are now kept at a safe distance but they could have gone boom. Another common problem in my shop is fallen leaves that blow in through the open doorway. It wouldn't take much to set these on fire, perhaps after you have closed up for the night and think the fire is out. If you keep paint in the shop put it inside a closed metal cabinet. Also make sure greasy rags go in an airtight container and never leave anything flammable hanging on a gas welding rig.



Bob & Evelyn Lock

**Lock Construction**

NEW HOMES • REMODEL

417-858-6648

HCR-1 Box 4269-5  
Shell Knob, MO 65747

There have been some changes in signage since I sent you the directions to my forge. Here they are.

**Directions to 116 Crawford Dr. (Meuser's Forge)**

**If you are coming from the West going East on hwy 62, do the following:**

Go East past Wal-Mart on 62 heading out toward Henderson. Going east, look for Old Chi Mill (a tavern) which is on your left. Our road is the second left after you pass Old Chi Mill, which will be Crawford Drive. You will see a Dollar General Store on your right just before you turn left. Turn left right across from the store onto Crawford Dr. and go about 400 feet and you will see a green house with white trim on your left. That is our house, and you have arrived at 116 Crawford Dr.

**If you are coming from the East going West on hwy.62, do the following:**

From Henderson, Norfolk Lake Bridge, going west on 62, do the following. Continue on 62 until you come to the Dollar General Store on your left, a few feet before that make a right hand turn on Crawford Dr. Go the same 400 feet or so and there you will be at our green house/white trim.

If there are any questions call us at 615-1165 (my cell)  
or 404-2696 (Jean's cell)

Parking is on the grass in front of the fenced in area on the right side of the house. There is bench seating for 20 people available in the picnic area, but if you want to bring a lawn chair feel free to do so for the smithing shop area.

**Rob Meuser**

**The spoken word is for those close enough to hear.  
The written word is for the world to read.**

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**Date:** Saturday, July 20, 2013 9:30 PM

**From:** Glenn Owen <forgeontheridge@yahoo.com>

**To:** jdoster@windstream.net <jdoster@windstream.net>, justindunhamjones@gmail.com <justindunhamjones@gmail.com>, boa-editor@suddenlink.net <boa-editor@suddenlink.net>

**Subject:** August meeting

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Our next meeting will be on the the 17th of August at Glenn Owen's shop starting at 7 and going till 4. The trade item will be a bottle opener. The meeting on the 20th of July we had 7 present, 4 members and 3 guests. The weather cooperated and was very nice out with a nice cool breeze. The 3 guests started learning the basics of blacksmithing and did very well. The NEA chapter is progressing with learning the in and outs of blacksmithing, and I want to thank the members for taking the time to learn, progress and share with each other there experience.

Thanks, Glenn Owen  
Steward NEA chapter BOA

# BOA

## Blacksmith's Organization of Arkansas Membership Application

Are you an ABANA { Artist Blacksmith's Association of North America } member? \_\_\_\_\_

NAME \_\_\_\_\_ Membership Dues: \$25.00  
per year DUE in January \*

ADDRESS \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

PRIMARY PHONE # \_\_\_\_\_  
{ CELL OR LAND LINE }

E-MAIL \_\_\_\_\_

Are you interested in blacksmithing for a LIVING? \_\_\_\_\_  
HOBBY? \_\_\_\_\_

Special areas of interest

- KNIFE MAKING \_\_\_\_\_
- GUNSMITHING \_\_\_\_\_
- ARCHITECTURAL \_\_\_\_\_
- RESTORATION \_\_\_\_\_
- BUCK SKINNING \_\_\_\_\_
- MEDIEVAL \_\_\_\_\_

BLACKSMITH ORGANIZATION OF ARKANSAS

RON WELLS  
HCR 32 BOX 141  
MOUNT JUDEA, AR, 72655

Or bring to the next meeting and give to

BOA membership is a family membership. For the payment of one membership dues all the members of a family would be afforded all the benefits and privileges of a full membership.

\* If the dues are paid in the last three months { October, November, or December } of the year, membership is paid up for the following year.  
If dues are not paid within the first three months { January, February, or March } of the year, the member is removed from the membership.

BLACKSMITH of ARKANSAS  
124 BLUE CEDAR DR  
BULL SHOALS, AR 72619

