

BAM

September-October 2006



BAM at Missouri State Fair

www.bamsite.org

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**Newsletter of the
Blacksmiths
Association
of Missouri**

Volume 23 No. 5

SEPTEMBER-OCTOBER

2006

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Glen Wesley
Larry Hults

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Glen Wesley
Peggy Williamson
Bob Ehrenberger

President's Message

Kirk Sullens

Mailing Labels

Bruce Herzog

The Newsletter of the Blacksmiths Association of Missouri is published six times a year and is mailed to members of BAM. The annual fee for regular membership is \$25/year; a portion of this amount is for a subscription to this newsletter for one year. Editorial inquiries should be addressed to: **Bob Ehrenberger 6192 Hwy 168 Shelbyville, Mo 63469 or e-mail to bameditor@centurytel.net**

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Membership Application

Name: _____
Address: _____
City: _____ State: _____
Phone: () _____ Zip: _____
E-mail: _____

New Member Renewal ABANA member?

How did you learn about BAM? _____

Memberships are for one year from receipt of dues. Dues are \$25, which includes a subscription to the bimonthly BAM newsletter. Please make checks payable to Blacksmith Association of Missouri.

ABANA Membership Application

Primary ABANA Chapter Affiliation: _____

Name: _____

Address: _____

City: _____ State: _____

Phone: () _____ Zip: _____

New Member Renewing Member

Includes a Subscription to the Anvil's Ring and The Hammers' Blow magazines

- Regular Member\$55 yr.
- Senior Citizen (Age 65+).....\$50 yr.
- Full time student\$45 yr.
- Overseas airmail.....\$80 yr.
- Overseas surface mail\$65 yr.
- Contributory.....\$100 yr.
- Public library.....\$45 yr.

See reverse

From the Editor

By Bob Ehrenberger

Boy it is nice to have the worst of the summer heat behind us. We have even had a few nights that I would call chilly.

At Ehrenberger Forge we are starting our busy fall season. Things have been slow all summer, but our Labor Day event was pretty good. I hope that means that with gas prices a little lower, things will pick up.

The word from the conference committee is that our conference next year will be at the State Fair grounds in Sedalia. This will give the members on the Western side of the state a little driving break. Maybe some of you would like to use some of your saved time to volunteer, I'm sure Larry Hults would appreciate the help.



I don't have much to say this month so I will use the rest of my editorial space to show you how I made my gambrel for skinning deer. It makes the job a lot easier.

The submission deadline for the November/December issue is November 11.

Special thanks to Bruce Herzog and Larry Hults for providing the Roster information and formatting it for print.

Deer Hanging Gambrel By Bob Ehrenberger

Start with 18" of 5/8" round.

Draw a long taper on each end and form into a semi-circle hook.

Use a bending fork to bend the hook so that the tip is just below the line of the bar.

Locate the center of the bar and mark.

Heat center and bend in a wide "U" shape.

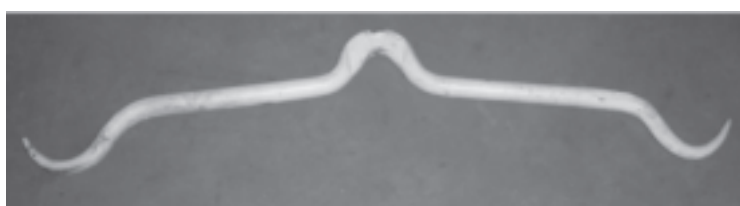
Bend next to the U to bring the bar back so that it has just a slight downward slant.

I used a jig designed to make spring fuller handles to make the U and the bend back.

Because I use a chain hook to suspend my gambrel I flattened the U to 3/8" to fit the hook. If you are hanging yours from a rope you don't need to do this.



Bending jig.
1.5" pipe and 1/2" bar
welded to a piece of
1.5"x1.5" angle iron.



Minutes BAM meeting 9/16/06

By Peggy Williamson

Thanks to host Dale Gilman.

Larry Hults and Ken Jansen demonstrated. Ken assisted Larry in making a trammel and then Larry assisted Ken in making a hammer head from a jack hammer bit.

Bruce Herzog gave a financial report and a reminder for members to renew their memberships.

Bruce said we still need a replacement treasurer.

Bruce gave a membership report, we currently have 568 members. The majority of new members come from contact with BAM members.

Peggy Williamson gave a State Fair report. There had been a nice write up about BAM's booth in the Sedalia paper.

We need a detailed list of what BAM is and does, to create a handout for perspective members.

Kirk is going to try to have an MTS class in his area after the first of the year.

Try to have an open shop (hammer-in) in your own area sometime. Put an announcement in the newsletter so others can plan ahead.

Doug Hendrickson went to the hospital with pneumonia, is home now, and doing better.

The list of demonstrators is on the BAM web site (www.bamsite.org) now.

Larry Hults gave a Conference 2007 report. The conference will be at the State Fair grounds in Sedalia. Tsur Sadan & Tom Clark are demonstrating together. We are still working on the other demonstrators. We need input on the type of ladies classes to offer. Need ideas for the beginning smith contest at conference.

There will be a roster pull-out in the next (this) newsletter.

MTS report. Classes are scheduled for Ray Scott's shop in Eminence February 17, 24, and March 10. The MTS committee wants input on what kind of classes the members would like. Contact Don Birdsall.

The Cannoneers will give a talk and then fire the cannon after the meeting.

On October 30, a craft show in Ashland is looking for a blacksmith. Contact Ed Harper for more information.

Octoberfest in Cole Camp October 13-15 needs a blacksmith. Contact Robert Scott for more information.

Next meeting is at Matthew Burnett's shop in Cameron, November 4. Trade item is any forged fruit or vegetable.

Meeting adjourned.

Members attending the meeting were about 40 with about 15 wives.

The Trade item and Iron in the Hat slips were all mixed together so the following members participated in one or both events:

Ed Harper, Dan Wedemeyer, Ian Wille, James Rumbo, Ned Digh, Dave Shepard, Fred Arnhold, Kent Harbit, Ken Jansen, Richard Kamp, Larry Hults, and George Lewis.

A Word From El Presidente

By Raoul (Kirk Sullens)

Dear BAMmers,

I just got back from a blacksmithing weekend! Went to the meeting at Dale Gilman's on Saturday, then to the blacksmith's shop at the Kansas City Renaissance Festival on Sunday. I had a good time both places. Thanks to the Gilman's for hosting, and to Larry Hults and Ken Jansen for demonstrating. After lunch, Ken and Larry, and Don Birdsall, worked with some of our newer smith's and helped them get their start in our wonderful craft. They really took to heart our hope that the meetings would start having open forges in the afternoon again, for just the purpose of sharing knowledge and skills.

We all owe Peggy Williamson our thanks for coordinating the demonstrators at the State Fair this year. She said that, in spite of being hot and dry, we fielded 37 demonstrators, and had 6-8 each day! Ian Wille even made the front page of the Sedalia newspaper. Of course, he's there every day, working hard, so he's a good role model for BAM.

And speaking of the State Fairgrounds, that's where the 2007 Ozark Blacksmith's Conference will be held. After several years of difficulties with the Warren County location, we're trying a new venue, with a large building for the demonstrators and a climate controlled building for the dinner and auction. Thanks to Larry Hults and Kent Harbit for putting this one together.

Please remember that we need someone to step in to fill Bruce Herzog's job as treasurer. Bruce has worked hard at this for 5 years, and we need to give him a break. Please think about what BAM has done for you, and volunteer to help us out.

Between now and the next meeting, beat on some steel, and look for opportunities to help someone new get interested in blacksmithing.

El Presidente Raoul

Demonstration cannon being unloaded at Foxfire



BAM at State Fair 2006



Dennis Yates, Kent Harbit, Ian Wille



Brian Appleton, Dennis Yates, Kent Harbit



Don Nichols, Brian Appleton,
Ken Jansen, Kent Harbit



Jim Rumbo



Kent Harbit



Ian Wille using Dave Edwards pedal hammer



Fred Arnold, Earl Veruerka



Dennis Yates



John Huff, Lou Degginger, Ned Digh, Jim Thomas



Ned Digh



Lou Digginger

BAM at State Fair 2006



Jim Rumbo



Kent Harbit and Hunter



Matthew Burnett



Scott Stager



David (Dennis Yates' nephew)



Chuck Lynch, Don Nichols



Drew Johnson, Shane Johnson



Shane Johnson

A big thanks to Peggy Williamson for organizing BAM's booth at the fair and sending me all these pictures.

The BAM Event at Foxfire (September 16, 2006)

By Ned Digh

When invited to Foxfire by Dale and Betty Gilman, it is not for just a BAM meeting, but for an event of blacksmithing, good food, and entertainment. For those arriving on Friday evening, hot BBQ coals were being tended by Ex-President Don Nichols. Don also doubled as the parking lot attendant for Dale Gilman, who was constantly in host movement with attention to details.

Supper was a do it your own package of wrapping a hamburger patty, onions, vegetable slices, and a big potato in several layers of aluminum foil and cooking it. Dale Gilman was the official time keeper and made sure these food packets were turned after 15 minutes then removed at the end of 30 minutes. At some point, ears of corn were added to the BBQ fire and the result was roasted corn.

After supper, two VCR films were shown, the first on silversmithing and the second on cooperage (making of wooden barrels, by hand). Both films were entertaining, but gave us thoughts about the differences and similarities between working with silver and iron. Dale Gilman offered a personal example of his early endeavor as a silver smith, he made Betty's wedding ring from a Quarter coin, which she still wears. He says he couldn't afford to buy a ring and a store bought ring wasn't special enough for his bride.

On Saturday morning, the Gilmans provided breakfast for all and BAM members as well as neighbors began to arrive for the demonstrations. The blacksmith shop is a 24' X 36' garage type structure with lots of metal stock arranged neatly in racks and an area of stacked 5 gallon plastic buckets. A BAM workshop treadle hammer is present and Dale says he has used it extensively to crack walnuts.

Larry Hults led off the day with a series of demonstrations on basic blacksmithing techniques and how to make a trammel. He was assisted by Ken Jansen and Ken followed with a demon-

stration on making a hammer from a jackhammer bit (jhbit). Ken's method is to cut the jhbit next to the ring shank and later the ring shank will become the face of the hammer. The opposite end of the jhbit is cut several inches from the ringshank with sufficient material to forge the type hammer you desire. The amount of material in the jhbit provides several options on the type hammer made: cross peen, vertical peen, small pen for copper or brass, or medium weight forging hammer.

With Larry Hults assisting, a hole was punched and drifted for the hammer handle. Ken talked about facing the hammer with a belt sander and forming the face into a slight crown. Heat treating and tempering was discussed briefly, but left open to the desires and techniques of the individual blacksmith. Following the demos by Larry Hults and Ken Jansen, Don Nichols took over. As always, Don is recognized as a master smith and kept the crowd occupied until lunch time.

Shortly after lunch, the cannoneers arrived, with a re-created cannon and ammo cart. They were scheduled to give a lecture on cannoneering and to fire the cannon at 5:00 PM. Due to a church commitment, I was unable to stay for this and I hope someone has given our editor the information on the cannon shoot.

Dale and Betty Gilman are wonderful hosts and go all out to make BAM members feel welcome. Betty hosted a clay workshop for the women and several people fished in the lake. I am not sure if any fish were caught, but Dale claims the fish are standing in line, waiting to be caught.



SCHOLARSHIP REPORT

By Glen Wesley

Thank you to the Alabama Forge Council for the "At Large" scholarship. I signed-up for a class taught by Bob Alexander at Tom Clark's Ozark School of Blacksmithing. However, the class was cancelled due to a lack of participants. Mr. Clark then arranged for me to go to Bob Alexander's shop near DeSoto, Missouri for one on one, private instruction. That resulted in the most productive learning experience in the study and practice of blacksmithing that I have ever experienced. Private instruction from a superb instructor in an excellent, well equipped shop in the beautiful and peaceful hills of Missouri...it doesn't get any better than that.

Through his years of study, hands-on work and much teaching experience, Bob Alexander has become a nationally recognized blacksmith, instructor and demonstrator. He instructs at Campbell School and New England School of Metalwork as well as at the Ozark School. He is a talented, skilled instructor who has a unique ability to teach blacksmithing.

During my sessions with Mr. Alexander, we concentrated on chest hardware to include hinges, latch and decorative pieces. Pictures of the finished chest are included. The chest is 20 inches long and 10 inches wide and has a domed top. It

is made of reclaimed cypress from a 100 year old building. We used 1/8 inch flat bar in the hardware. The chest is sealed with multiple coats of a clear sealer that had a bit of walnut stain added and the hardware was finished with a clear coat. Although I was unable to find any books on chest construction, I did find the text "Treasure Chests" by Lon Schleining, Taunton Press, to be helpful.



The hinge straps were formed with a top and bottom fuller. Since they were made from 1/8 inch flat bar, the thinness made them more difficult to work without bending. It seemed that working the metal at a orange color was more effective than at a higher temperature since the bar didn't bend as badly.



The chest required handmade nails to attach the hardware so we made a nail header and nails. Also needed were chisels and jigs. Those too were made

along with the necessary hardening and tempering. Mr. Alexander also assisted me with some scroll work and various other items where I requested assistance. The value of private instruction cannot be overstated and the opportunity to have such quality instruction was a great experience for me.

It is my opinion that the scholarship programs offered by many of the blacksmith associations do much to perpetuate this great craft. The Alabama Forge Council has been and continues to be on the forefront of efforts and initiatives to preserve the heritage and skills of blacksmithing. Those of us who receive scholarships have the responsibility to share the knowledge and to do all that we can to insure the funding and opportunity for future scholarships for others.

Thank you,
Glen Wesley



Glen at an open air
demonstration

Building a Training Trailer (Kinda like “Johnny Cash’s Cadillac – One Piece at a Time”)

By Ned Digh

My shop has lots of visitors, family, neighbors, friends, and BAM members. I don’t know if it is the atmosphere in the shop, but all apparently think I need help and freely state their opinions about what I am doing or should not be doing. The evolution of a training trailer reflects lots of opinions, a good amount of materials from my assets pile and as one friend remarked “it may be a blacksmith training trailer but it is kinda like “Johnny Cash’s Cadillac, put together one piece at a time”.

For several years I have been accumulating equipment for several workstations at my shop for hammer-in’s and teaching activities. The Adult Education Director at the Mexico Voc-Tec recently offered an opportunity to teach a blacksmith course at night. The school has no blacksmith equipment so it became time for my accumulated blacksmith equipment to be put to work.

The transporting, setup, and take down of the equipment would need to be timely, to provide the maximum amount of forging time. This would require a trailer with a quick way to unload and load and load anvils (on stands), as well as the forge and tools.

A pickup truck bed trailer (3/4 ton) was selected among my assets (Esther calls junk) and the creation phase began. My inventory of anvils included seven (7) of the cast steel Russian anvils from Harbor Freight. My grandson, Chris Townsend, made anvil stands and I made a tool tray to hang on the side of each anvil stand. Scott Stager suggested surplus ammo boxes for each work station to hold the tools and tool trays, so that took a trip to the surplus store and the salesman there got excited about blacksmithing and wants more information. A swivel truck crane with a hydraulic jack had been gathering dust in my shop for several years and John Huff became the consultant on the lift and load system. The rear bumper of the trailer was rein-

forced and the crane mounted at the right rear corner, outside the trailer bed.

Use of the crane required the installation of screw down trailer jacks on the rear bumper of the trailer for loading and unloading. Farm neighbor Terry Smith gave me some assistance with the practice of loading the anvils. The anvils and stands together weigh about 135 pounds each. With trial and error we found that two anvils can be safely loaded, but three at one time creates some anxiety and the person pushing the load is saying “let it down easy and slow”. One person can load or unload two anvils on stands within 5 minutes and the stands are designed to slide on the concrete floor and not be carried. At the end of a class, the anvil stands will be slid back to the loading position near the trailer.



A gas forge had also been gathering dust in my shop and while it may not be ideal, it will serve the purpose. The forge has a refractory core, like the ones on the BAM MTS trailer. I bought it from Daniel Ehrenberger and Preston Williams converted it from side burners to top mounted burners so it gets hotter than the original design.

An inventory of hammers, punches, tongs, and hardy’s then called for more resources. Joe Wilkinson once told me that he learned from Don Asbee to make a hardy quickly from a grader blade. A trip to my asset pile produced a grader blade and my skill in making hardy’s developed. Bob Bailey came over and reoriented me on making center punches on my lathe. Terry Smith was recruited for a hammer project, some the handles needed to be sanded and some

Ned's Trailer cont..

hammer heads re-glued with E-6000 (a lesson learned from Bill Bastas at Tom Clark's school). Ed Harper came to my rescue with enough tongs to get the instruction started.

A major challenge remained and that was to safely get the forge off and reloaded after class while it was still hot, to maximize forging time. The solution suggested by my wife was to mount the forge on a pipe frame so it could be slid out. One end of the pipe frame would remain supported by the trailer bed and the other end by a sawhorse. This system works well and saves class time. The trailer, with the forge in operation can be parked outside the school shop door or my shop shed, and the LP tank can remain on



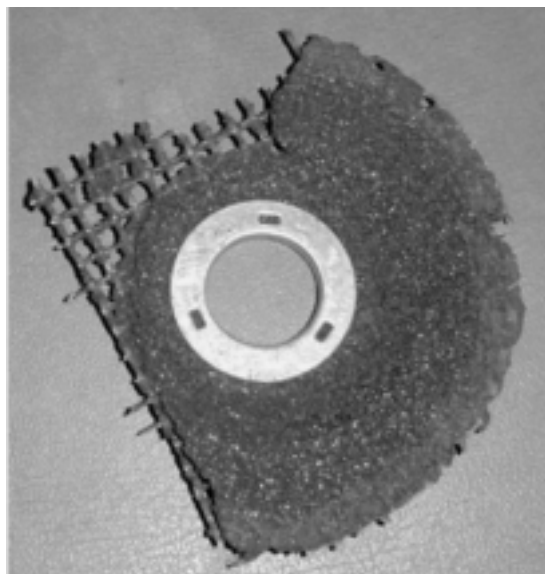
the trailer or moved closer to the forge.

The Johnny Cash like trailer has now been used for four classes and with some minor refinements made

along the way, it is a keeper. The trailer already had a state inspection sticker for a license tag, other wise my friend Terry Morts, the inspector would have asked "just what the hell is it". Since he is not a blacksmith, I don't think he would have appreciated the full description: "well it is a Huff load design, with a Stager tool system, a Smith heave-ho for the anvils on Chris Townsend stands, with Bailey and Harper tools, and glue from Tom Clark's instructor Bill Bastas, Asbee/Wilkinson cutting system, and an Ehenberger/Williams forge using an Esther forge lift system".

Now I am thinking about adding more assets, our unused hay trailer has a 12 volt winch that might be useful and there is a rusty pickup bed topper down by the hog pen. Maybe these type projects are why my wife says I am a better asset collector than I am a blacksmith.

Shop Saftey By Bob Ehrenberger



At 11,000 RPM angle grinders have the potential of being deadly. When the above disk came apart the fragments hit my apron like a bullet. So just a reminder to work safe. Inspect your equipment before using, wear safety gear, be aware of your surroundings, and don't take unnecessary risks. I try to hang my grinders between uses to keep the disk from hitting the table and to keep dust out of the motor.

Pickup Truck Crane Caution

Phil Rosche, Summerville, South Carolina.

Blacksmiths who lift heavy equipment into and out of truck beds might be tempted to use a "1/2 TON CAPACITY PICKUP TRUCK CRANE," available from various importers.

Those little truck cranes can be dangerous, for a number of reasons. One is that I've seen the bolts rip out of the bed of the truck. The other is that the cable can snap. My wife used to be an insurance investigator for one of the largest providers of workmen's comp. They had a case where a guy was using one of those little truck cranes... the cable snapped, and it decapitated him. She had pictures. Not a pretty sight.

Reprinted from Indian Blacksmith Association newsletter September-2006.

Editor's Note: As Ned noted in his article, to use the crane they needed leveling jacks and to limit the load.

JUNKYARD STEELS

The following list describes some potential types of steel used for common junkyard items. This information was compiled from several sources, Machinery's Handbook, Country

Blacksmith, Blacksmith's Journal and Carpenter Technology Corp.

Machinery's Handbook is an excellent source for heat treatment of these steels.

APPLICATION	Number	Letter
Agricultural steel	1080	
Axels	1040	
Ball Bearing Balls	52100	
Ball Bearing Races	52100	
Band Saw Blades		L-6
Bits, Router		M2
Bolts, anchor	1040	
Bolts, heat treated	2330	
Bolts, heavy duty	4815	
Brake Lever	1030	
Cams		A6, S7
Chisels		O2, O6, L6
Clutch disk	1070	
Clutch Springs	1060	
Coil Springs, auto	4063	
Coil Springs, truck	5160	
Cold-rolled steel	1070	
Connecting Rods	1040	
Crankshafts	1045	
Cutters, Bolt		S2, S7
Drifts		L6, S2, S7
Drills		M2
End Mills		M2
Fan Blades	1020	
Files		W-2
Gear shift levers	1030	
Gears, transmission	3115	
Hammers		L6
Harrow Disk	1080	

APPLICATION	Number	Letter
Hay Rake Teeth	1095	
Jackhammer Bits		S-5
Knives, machine		M2
Knives, woodworking		O2
Leaf Springs	1085, 5160	
Lock Washer	1060	
Mauls		L6, S2
Mower knives	1085	
Music Wire	1085	
Nail Sets		L6
Plow Beams	1070	
Plow Disk	1080	
Plow Shares	1080	
Pneumatic Tools		L6, A6, S7
Punches-Cold		A2, O2
Reamers		M2, O2, A2
Roller Bearings	4815	
Screw Drivers		L6, S2
Snap Rings	1060	
Spring Clips	1060	
Spring Steel, clock	1095	
Steering Arm Bolts	3130	
Steering Arms	4042	
Taps		M2, O2
Transmission Shafts	4140	
Tubing	1040	
Universal Joints	1145	
Valve Springs	1060	
Wrenches		L6, S2

This information was compiled by the North Texas Blacksmiths Association. ABANA chapters may freely use it in their publications. Please credit NTBA, <http://www.flash.net/~dwwilson/ntba>



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ABANA Affiliate Liaison Letter
September, 2006

Dear Affiliates,

By the time you read this we should have our new ABANA Board members announced. Every year, five members are elected for a three-year term. This year we have eight candidates. By casting your vote you are not only ensuring that hard-working people are elected to run the business of ABANA, your vote also enters you into a special raffle for ten new punches or 6 new 'Billy' tongs. ABANA also has a Voter Incentive Program to encourage members to participate in the election process by casting their ballot. Amy Pieh of Pieh Tool Company has graciously donated your choice of either 10 new punches or 6 Billy Tongs as a raffle prize. For questions about the prizes, visit Pieh Tool Company's website at www.piehtoolco.com. The winning raffle number will be posted on the ABANA web site. The winner will have until January 15, 2007 to present the winning stub. Don't lose that stub!

Speaking of the ABANA Board, our annual fall meeting will be held in New Paltz, New York, November 9-11, 2006. If you have an issue you would like to bring before the ABANA Board, please contact me at the information listed below.

If you were unable to attend the 2006 Seattle Conference in Seattle, Washington it is not too late to purchase hats and t-shirts from the conference. The t-shirts are 100% cotton and we also have long sleeve shirts with cool motifs on the sleeve. Perfect for the shop or just lounging around the house, they are super comfortable! They are available in the ABANA Store on the web site at <http://abana.org/store/index.shtml> Get them while they last!

In early October we will be doing a "Goodie Mailer" to each affiliate. These items will include hats, t-shirts, bumper stickers and other fun stuff that can be used for affiliate events for fund raising. The Central Office will be mailing out the boxes to each ABANA Affiliate President, so please make sure that your listing on the website is current. If not, please contact LeeAnn Mitchell at abana@abana.org Please put "ABANA Affiliate" in the subject line as she gets a lot of spam!

Fall conference season is upon us. Think SAFETY FIRST at your event. It is good to have a first aid kit and know how to use it. Fire extinguishers are a good idea as well. Have a plan in case someone gets hurt and know where the nearest hospital is located. Be sure that everyone watching the demo is wearing safety glasses. Speaking of watching the demos, be sure to take plenty of pictures at the demos that you attend and send them to your newsletter editor. I look forward to hearing from you!

Dave Mudge
Affiliate Liaison
Member Services Division
Chairman Internet Committee
985.735.0049
davemudge@abana.org

Buy, Sell, Trade

Individual Classified ads

Kirk Sullens has organized a group buy for gas saver valves. Because of his prior purchases the co. is extending the group price of \$136.25 (tax included) for the forseen future. If you can't meet with Kirk there may be additional shipping costs. (This is a shutoff valve with a pilot light that lets you set your torch once and then quickly relight for each use.)

If interested, contact Kirk Sullens. 417-863-8628

Commercial / Resource ads

Services:

Custom spinning in copper, brass, pewter, and steel. Contact Ken & Kathy Markley, 7651 Cabin Creek Lane, Sparta, Ill. 62286. Phone: (618) 443-5284 Fax: (618) 443-5284

Ray Chaffin has a new computer operated **plasma cutting** system that can cut anything out of metal. Mail, call or e-mail your design for a price quote. Also hardwood blocks 2-2 1/2" x 12-14" are \$5 each in curly maple, straight maple, English walnut, birch laminated in brown and white and blue and white. Ray Chaffin, (660) 438-6720 or Ray's Welding, RR 3, Box 279, Warsaw, MO 65355.

Little Giant-- We can do repairs on any or all components of your Little Giant front assembly. Contact H."Sid" Suedemeier 420 4th Corso, Nebraska City, NE. 68410 (402) 873-6603

Tire Hammer Workshops, and Beverly Shear Sharpening
I have donated my treadle hammer plans to ABANA and will not be selling plans in the future.

Beverly shear blades sharpened \$35 plus postage.
I will be leading workshops to build 50 lb. Tire Hammers, contact me for details.
Clay Spencer, 934 Partridge Lane, Murphy NC 28906-6149, 828-837-0708 or e-mail to clayms@brmemc.net

Information / Education

New email/web site for Tom Clark and the Blacksmith School

Tom: tclark@ozarkschool.com
School: www.ozarkschool.com

Tong Making Class-Weekend Course
4 people per class - \$125 per person
Contact: Charles Comstock Rt.1 Box 20, Deerfield, MO. 64741 (417) 927-3499

Classes offered, The Ornamental Iron Shop
Contact the instructor to register and customize your class.
John D. Thompson – Metalsmith
3923 Hwy 25; Hodges, SC 29653
864-374-3933

Classes at Pieh Tool Company, Inc. - Camp Verde, AZ
The Bill Pieh Resource for Metalwork.
Call now for more information and to enroll:
(928) 554-0700 or (888) 743-4866. www.piehtoolco.com.

Subscribe to Jerry Hoffmann's **Blacksmith's Journal**, a monthly publication for blacksmiths. Call 1-800-944-6134 for more information.

George Dixon edits a blacksmithing publication called "**The Artist-Blacksmith Quarterly**". For \$28 you will get four issues of how-to information. Contact him at 1229 Bee Tree Lake Road, Swannanoa, NC 28778.

The Upper Midwest Blacksmiths Assoc (UMBA) now has its video library back up and running An index list can be viewed at www.umbaonline.org They are VHS or DVD-R Cost is \$5 each with \$2 per order shipping There is no return date you keep the video for this price. All videos are made at group demos no commercial titles.

Blacksmithing E-books on CD

TWO NEW/OLD E-BOOKS-Weiner Kunstschmiedearbeiten (1928) and La Fidelle Ouverture de l'Art du Serrurier, originally published in 1627. Now eight titles are available on CD, \$4/each, or all eight books, \$24 postpaid. More books are in production and will be available soon- order on-line at www.blacksmithingebooks.com, or check/MO to Brian Gilbert, 3404 Hartford Dr., Chattanooga, TN 37415.

Products

Heavy duty frying pan blanks: Steel, approximately 9 inch in diameter with 2 inch sides. 12 gauge (2.5 lb.) or 14 gauge (1.75 lb.) thickness. Available with or without two 3/16 inch holes for handles. Now tumbled clean. 1-4 \$9 each; 5-9 \$8 each; 10 or more \$7 each. Shipping \$4 plus \$.50 for each pan. Contact: Bob Tuftee, 3855 Aspen Hills Dr., Bettendorf, IA 52722; bobforge@hotmail.com; (563) 332-4800.

Tom Clark carries a complete line of hand forged Hofi style hammers, punches, drifts, tongs, shears, belt grinders and gas forges. He's also importing the Sayha air hammer from Turkey. For more info on the tools contact him at Phone (573) 438-4725. Fax (573) 438-8483.

L Brand Forge **coke** now packaged in 50 pound bags, 1,000 pound bulk sacks on pallets and 2,000 pound bulk sacks on pallets. Send your zip code for a quote on price including delivery. 1-800-441-0616 or LBrandForgeCoke@aol.com.

Buy, Sell, Trade, Continued

Bells Novelty Casting is a foundry in Anniston, Alabama manufacturing blacksmiths' tools. We are currently looking for dealers to market our products. We have anvils of all sizes, swage blocks, hardies and drift pins. Call 1-877-FARMBEL. Web site www.bellsandmoe.com.

Kayne and Son Custom Hardware, 100 Daniel Ridge Road, Candler, NC 28715. (828) 667-8868 fax (828) 665-8303, e-mail: kaynehdwe@charter.net, web site: www.blacksmithsdepot.com. Offering Peddinghaus 2 horn anvils, Offcenter tongs and swages, etc, hammers, tongs, the Fly Presses, Treadle Hammers, and Forgemaster gas forges. We ship and accept Visa and Mastercard.

Persimmon Forge **PEDAL HAMMER** for sale for the more delicate work of chase and repousee, chisel and chase, leather stamping, some stone and wood carving applications, etc., in a comfortable seated position with minimal effort, maximum safety, and fast striking.

Contact Dave or Betty Edwards by e-mail at djedwards@cableone.net, or write or call the manufacturer, Four Mile Carriage and Machine, at 3220 West 6th Ave., Emporia, Ks. 66801, (620) 342-4440.

SOFA fire pots are once again available. For information contact Bob Cruishank, 1495 W. Possum Rd., Springfield, OH. 45506 Phone: (937) 323-1300 or www.creativeironforge.com or www.sofablacksmiths.com

D.L. Schwartz Co. **Blacksmith and Farrier supplies**.
2188 S. US 27, Berne, In. 46711, 1-800-955-3064

Wanted:

We need **HOSTS for the 2006 BAM meetings**. Contact Kirk Sullens. 417 863-8628

Articles for the BAM Newsletter. E-mail, or snail mail to Bob Ehrenberger.

Demonstrator List Forming

Fred Wisenborn has started a list of members available for demonstrations,

fairs, historic events, and festivals, etc.

Contact Fred to get on the list:

417-589-2497 e-mail: jweisenb@llion.org

Around the Anvil BAM has it's very own E-Mail news group. If you would like to participate send an E-Mail to Ed Harper at aramed@grm.net and he can get you signed up.

Pure Iron

Pure iron is back and becoming available from R & B Wagner, Inc. J.G. Braum Company

Mailing Address:

P.O. Box 423

Butler, WI. 53007-0423

1-888-243-6914, 1-414-214-0444

Fax: 1-414-214-0450

info@mailwagner.com

<http://www.wagnercompanies.com>

Call or email for more information.

Jerry Darnell Steel Finish

I didn't catch the finish that Jerry uses when he was here this spring for Conference. So when Bob Alexander called about coal suppliers, I got the process from him.

First you need to mix up the finish solution itself.

In a large coffee can, Melt bee's wax and add linseed oil to it and a little bit of turpentine.

Let cool.

It should have the consistency of a soft paste wax when at room temperature. If it is too hard, reheat and add more oil and turpentine. If it is too soft, reheat and melt in more wax. There is no set formula, just kind of work with it until it is the right consistency.

When your piece is completed and cleaned off (sanding or wire brush).

Heat piece to about 200 Deg. F.

Add damp green coal to your fire to generate the thick smoke, keep the blast low enough that the smoke doesn't ignite.

Hold the piece in the smoke until it turns black.

While still warm, use a brush or rag to coat the blackened piece with the mixture. The wax will flow into all the cracks and crevices.

Once cool, use clean rag to remove excess wax.

Need Coal ?

Check on Availability

Coal Captain: Bob Alexander



1. Bob Alexander (636) 586-6938
14009 Hardin Rd,
DeSoto, MO. 63020

2. Ken Jansen, (636) 366-4353
2257 Charter Rd.,
Moscow Mill, MO. 63362

3. Doug Clemons, (660) 595-2257
RR1 Box 124,
Malta Bend, MO. 65339

4. Jerry Rehagen, (573) 744-5454
Rt1 Box 97,
Freeburg, MO. 65035

5. Jeff Willard, (417) 742-4569
P.O. Box 416,
Willard, MO. 65781

6. Denis Yates, (573) 286-5316
343 Lamp Dr.
Sunrise Beach, MO. 65079

NEW COAL STATION

7. **Mike Brooks, (417)-932-6644**
217000 C King Dr.
Summerville, MO. 65571

Price \$10.00 per bag BAM members, \$11.00 per bag Non-members, \$9.00 per bag at Bob Alexander's
Coal keepers earn \$2.00 a bag

Upcoming Events

November 4 BAM meeting Matthew Burnett, Cameron, MO.
Trade item: any forged fruit or vegetable. See back cover for details.

November 11 **UMBA Fall Conference**, Centaur Forge, Burlington, WI.
Trade item something made from a RR spike. Contact Joe Stanley (608)-362-3668

January 20 BAM Meeting hosted by Tom McGinnis at the Ozark Knifemaker's School.
The trade item will be a kitchen knife. (417)581-6689

February 17 MTS workshop #1 Ray Scott, Eminence, MO.

February 24 MTS workshop #2 Ray Scott, Eminence, MO.

March 10 MTS workshop #3 Ray Scott, Eminence, MO.
Must have completed MTS #1 & #2 or have equivalent skill level.

March-BAM Meeting TBA

May 4-6 BAM's **Ozark Blacksmithing Conference**. Sedalia, MO. (new location)

May-BAM Meeting Don Asbee's, Hartsburg, MO.

July-BAM Meeting We think Larry Crow will have this one, up on the Iowa border, Edlin, IA.

September-BAM Meeting Dale Gilman has asked for this one again, Boonsburo, MO.

November-We hope we can get something in northwest Missouri.

Note: For all MTS classes contact Don Birdsall to sign up (573)-364-7223

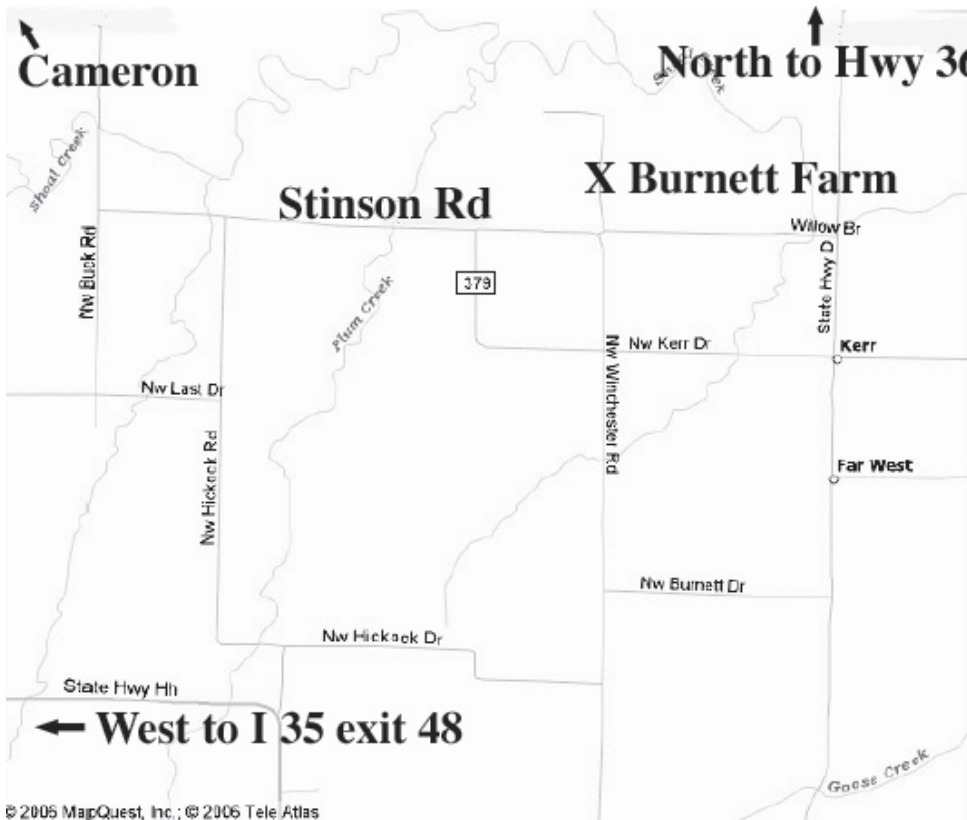
Note: We have a new coal station: Mike Brooks, Summerville, MO. (417)-932-6644

New Members

If you have a new member near you, welcome him to the group and show him the ropes.

Hurley, Joe R1 Box 50 Downing, MO 63536 660-379-2365	McHugh, William 303 Depot Street Marthasville, MO 63357 McHughDDS@yhti.net 636-433-5622	Schmidt, Von 208 S. Cleveland Lowry City, MO 64763 schmidtvj@centurytel.net 417-644-7350	Veverka, Earl 12300 Buckeye Road Crocker, MO 65452 573-736-5533
Lymer, Larry 16053 U Hwy Boonville, MO 65233 660-888-2056	Radford, Dennis P.O. Box 21 Montrose, MO 64770 redfordgr@earthlink.net 660-492-0431	Scott, Robert 31850 Bockleman Road Cole Camp, MO 65325 celtarch@hughes.net 660-553-8577	Wagener, Greg 674 Meramec Station Rd Valley Park, MO 63088 greg.wagener@gmail.com 636-225-6980
McCormack, E.C. 502 S. Sinnett Street Girald, KS 66743 620-724-8025		Stricker, James 5444 Hwy 185 Leslie, MO 63056 573-457-4888	

Next Meeting: November 4 Cameron, Mo.



Location:
Burnett Farm,
Cameron, MO.

Host:
Matthew Burnett

Demonstrators:
Phil Cox
Gary Ellis

Trade Item:
A forged Fruit or Vegetable

Food:
Will be provided.

Phone: 816-575-2798

Directions: Stinson Rd intersects Hwy D at the Shoal Creek bridge.
1 mile West on Stinson Rd.
1/2 mile North on Winchester

BAM

2212 Aileswick Dr.,
St. Louis, MO 63129

Please send changes to Bruce Herzog, 2212 Aileswick Dr., St. Louis, MO 63129 or e-mail to bjherzog@msn.com