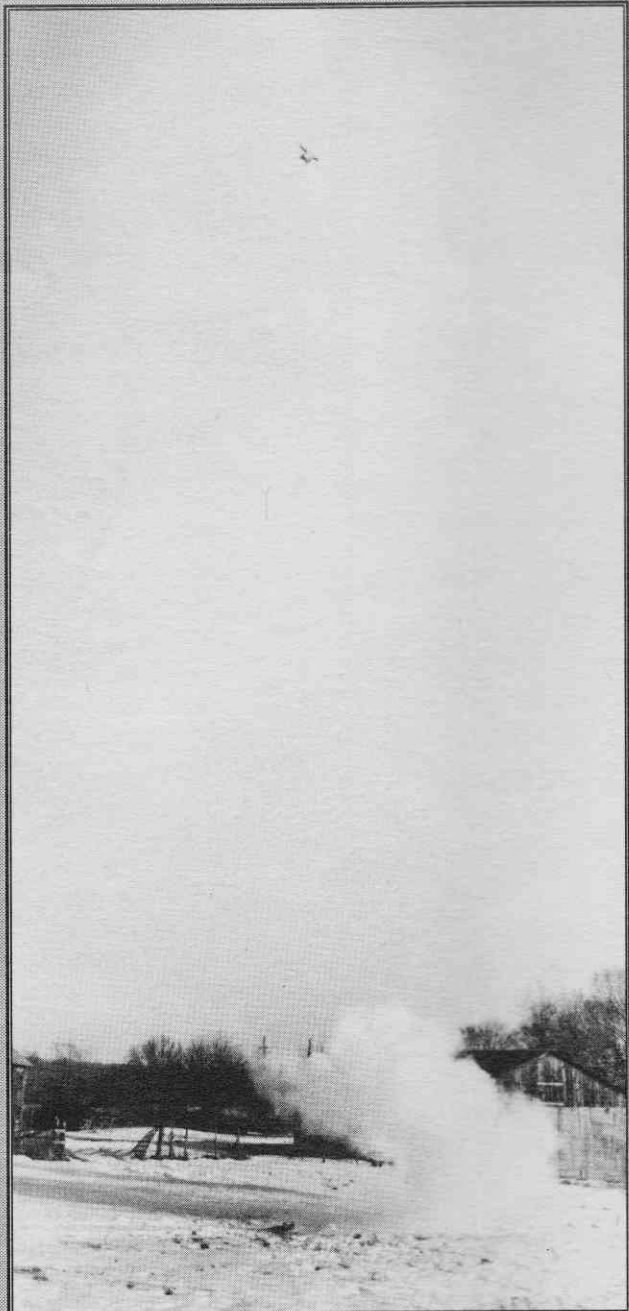


BAM



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It's Ozark Conference time!

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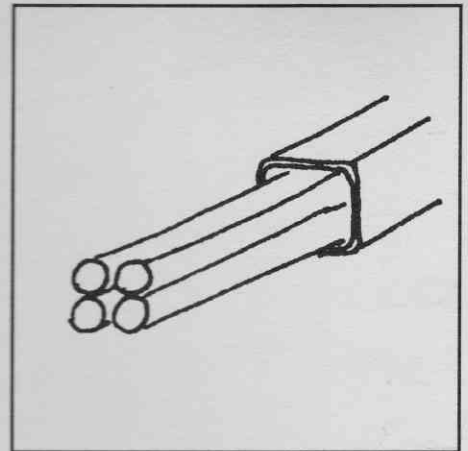
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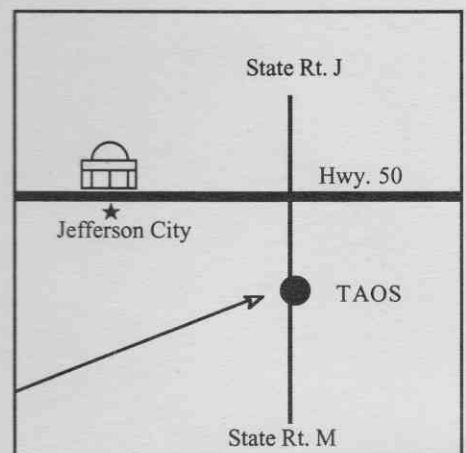
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**Newsletter of the
Blacksmiths
Association
of Missouri**

Volume 13 No. 1

Our cover: Gay Wilkinson's anvil flies high in the sky near Farmington. Gay was the subject of a story by Jim McCarty in the February issue of Rural Missouri. Photo by Jim McCarty.

Editor
Jim McCarty

Contributing Editors
Bob Tuftee
Pat McCarty

Mailing Labels
Maurice Ellis

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 \$20/year; a portion of this amount is for a subscription to this newsletter for one year. Editorial inquiries should be addressed to: Jim McCarty, 5821 Helias Dr., Jefferson City, MO 65101; (573) 395-3304. BAM membership inquiries should be addressed to: Gary Kobermann, 2337 Whitshire, St. Louis, MO 63129; (314) 892-2527. Occasionally some material will be copyrighted and may not be reproduced without written consent by the author. BAM welcomes the use of any other material printed in this newsletter provided the author and this organization be given credit.

BAM Membership Application

Name: _____

Address: _____

City: _____ State: _____

Phone: () _____ Zip: _____

New Member Renewal

How did you learn about BAM? _____

Memberships are for one year from receipt of dues. Dues are \$20, 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: _____

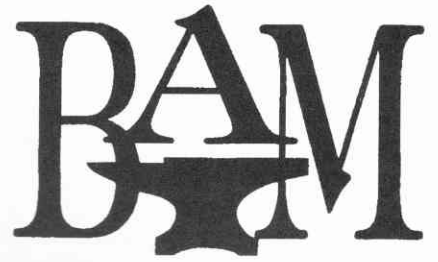
Phone: () _____ Zip: _____

New Member Renewing Member

How did you learn about ABANA? _____

- Regular Member\$35 yr.
- Senior Citizen (Age 65)\$30 yr.
- Fulltime student\$25 yr.
- Overseas airmail\$70 yr.
- Overseas surface mai\$50 yr.
- Contributory\$100 yr.
- Public library.....\$25 yr.

See reverse



Send this form in an envelope with your payment to:

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c/o Gary Kobermann
2337 Whitshire,
St. Louis, MO 63129

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1st Vice President
Bob Alexander

2nd Vice President
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Secretary
John Murray

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Gary Kobermann

The Blacksmiths' Association of Missouri is a chapter of the Artist Blacksmiths' Association of North America, and is devoted to the preservation and advancement of blacksmithing and to communication among blacksmiths in Missouri and surrounding areas. BAM's newsletter's goal is to support these aims. Letters to the editor, tech tips, tools for sale or anything else which furthers these ends will be considered for publication.

The Newsletter of the Blacksmiths' Association of Missouri and its members do not manufacture, distribute, sell, test, warrant, guarantee, or endorse any of the tools, materials, instructions or products contained in articles or features in the Newsletter of the Blacksmiths' Association of Missouri. The Newsletter of the Blacksmiths' Association of Missouri disclaims any responsibility or liability for damages or injuries as a result of any construction, design, use, manufacture or other activity undertaken as a result of the use or application of information contained in any articles or features in the Newsletter of the Blacksmiths' Association of Missouri. The Newsletter of the Blacksmiths' Association of Missouri assumes no responsibility or liability for the accuracy, fitness, proper design, safety or safe use of any information contained in the Newsletter of the Blacksmiths' Association of Missouri.

I _____ hereby apply for membership in the Artist-Blacksmiths' Association of North America and enclose \$_____ as my annual membership dues for one year.

MasterCard VISA Check/Money Order

Card Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Exp. Date (Required)

--

Checks must be in U.S. currency

SEND RENEWAL TO:

ABANA

P.O. BOX 206, Washington, MO 63090 (314) 390-2133

Dues Distribution:

1 year subscription Anvil's Ring: 68.5 % \$24

Adm. offices & other ABANA projects (Conferences, etc.): 31.5% \$11

Editor's anvil

I am stealing a few moments from working on my new shop to get this newsletter out so that I can tell you guys that the next BAM meeting will be at my shop. Seems like if I did this right I could spend so much time working on the shop that I would forget the notice and then I wouldn't have to work so much on the shop. . .

Nothing like having a deadline to get something done. Otherwise you can just put it off forever. Since I'm short on space on the meeting page let me give you some details of the March meeting.

First of all, I now live in Taos instead of Loose Creek so if you go to the old place you are lost. (See the map in this issue). I'm still working on the agenda, but I think we will be doing some traditional kind of work.

Last month we saw how to do hinges. I think it would be fitting to follow up on the hinge thing and do the pretty end this time. Any volunteers? I think we will also do some rendezvous iron too. Maurice Ellis has volunteered to step up to the forge (gotta put some flowers on the anvil for him!).

Weather permitting, we will have at least one extra forge going outside for beginners to try. Trade item is a chisel, either metal or wood, but it seems like forging a wood chisel would be more of a challenge.

Don't forget to bring something for the iron in the hat. We have been doing real well on this lately, putting funds away for future scholarships and workshops.

Also, Joe Wilkinson was so successful getting tailgaters out to his meeting that we are going to do it again. If you've got stuff hoarded that you know you aren't going to use, bring it along and let someone have a shot at putting it back to work.

Lunch will be just up the road from my house at JR's Corner in "downtown" Taos. They will have a buffet and a special room set up for us so we can get lunch over with in a hurry.

Parking may be a little bit of a problem, so if you can car pool it

would help. Come early if you want, I'll have the coffee on.

We have the next couple of meetings set — Steve Austin will host the May meeting at his remodeled shop in Claycomo. Steve says we won't recognize the place as he has been knocking down walls and rearranging to make room for the big project he is working on. He said he is putting in 8 miles of fence among other things.

Also, Jim Kendzora, after much arm twisting from Vernon Fisher, has agreed to host the July meeting. Jim is on the Lake of the Ozarks too. Looking forward to seeing your shop, Jim.

Jim mentioned that he has coal for sale if anyone is interested. He has been making the trip to Brazil, Indiana with trailer in tow. This is good coal.

Speaking of coal, Pat tells me the coal truck arrived at Lou Mueller's so we are back in business there. Pat is going to bring a load to the March meeting, and I will be stockpiling some for the folks in central Missouri. John Murray will also have coal on hand for anyone in the St. Charles area. If anyone on the west side of the state has room we could drop some there too.

We also have new BAM t-shirts. This is a different design from the old ones. It uses the old BAM 3-strikers logo some of you may remember. Pat will have some at the next meeting but if you can't make it call him and he will ship them. They come in small, medium, large and Doug Hendrickson sizes. Any color as long as it is red or black. Price \$10, with hats for \$5.

Pat recently talked to Ray Chaffin about the BAM library. We wondered why we hadn't seen Ray in awhile, and it turns out that both he and his wife have had heart problems. Hope you guys are on the mend. Ray sent Pat the library material and Pat has someone lined up to take over the library duties for Ray. Thanks for getting things started, Ray.

Speaking of medical problems, I talked to Tom Clark last week and after some idle conversation he told me he had just cut his thumb off!

Tom is one tough customer — Thelma says that after mangling his thumb (he dropped a tree on it) he drove himself back to the woods to get his log skidder. Don't think he missed a day of work.

Thelma says the doctors saved most of the thumb so he should still be able to use a pair of tongs. I suggested he have Clifton Ralph draw it out a little longer under his power hammer.

I wouldn't be doing my job as newsletter editor if I didn't tell about the unique experiment Tom set up for Stan Winkler at the January meeting. It seems Tom installed a gasoline powered forge for Stanley, and even gave Stan a nice supply of fuel.

You'll have to ask Tom about this one — do the words "Diesel Fuel Only" mean anything?

Can't let Stanley off the hook either. I understand he is helping Doug create more parking space for his next get together down in the Peola Valley. Dodge trucks make excellent tree removers.

There are a lot of events coming up in the next few months, including the Ozark Conference. If you haven't already registered be sure to do so. There is an application in this issue. Also, better get started on your project for the auction.

Congrats to John Sherwood, who correctly identified the riddle in the last issue. The correct answer was a set of fireplace tools. John wins a 5-pound clinker to be paid out every time he builds a fire.

See you in Taos March 30. Happy hammering,

—Jim McCarty

Dear BAM

Dear BAM Members,
Thank you so much for the load of firewood. I truly appreciate it. I also want to thank you for your prayers, thoughts and kind deeds. Our many friendships are giving me the strength to bear the unbearable. Bless you all,

Joyce Reynolds, Union, Mo.

JK's Legacy

Family first - be kind - listen and lend a hand.

Care — share a skill — be a friend, cause a smile — respect others and work hard.

Give 100 percent to every task.

Treasure each day and see God's magic in nature.

No life you have touched will ever be the same without you.

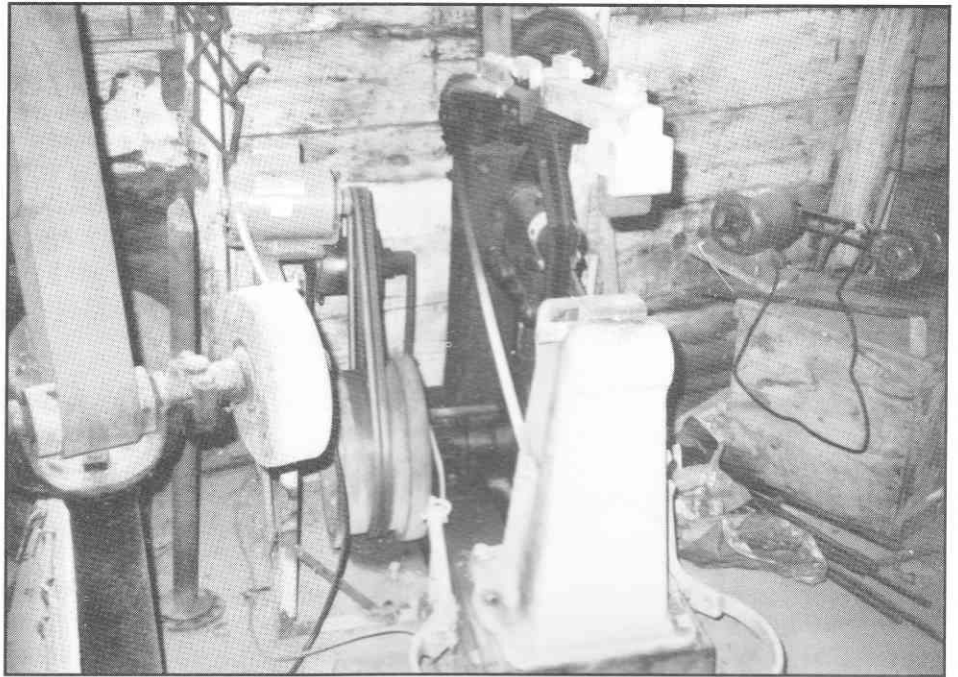
Jim,

It was nice talking to you about the Hawkeye hammer. I have enclosed a picture of one we have at the Pioneer Village's blacksmith shop.

Thanks,

Bob Tuftee, Davenport, Iowa

Editor's note: Bob saw my ad for a Hawkeye hammer I have for sale like the one pictured here. He said theirs is in need of some work and he is looking for someone who can give them some advice on getting it back in service. These hammers keep popping up. Besides mine and the one shown here, I saw one that David Oliver brought to the Quad State's round-up and another one in North Missouri. Must have made a bunch of them. By the way, Bob sent along an ad for his frying pan blanks. I bought several of these in Ohio and they make nice projects, just add a handle. The price is right too. One word of caution — they are real greasy until you show them to the fire. Buy one of these, add a handle and you've got an excellent donation for the Ozark Conference or next iron in the hat. Good talking to you too, Bob.



Bob Tuftee sent in this photo of a No.2 Hawkeye hammer used in the Walnut Grove Pioneer Village blacksmith shop. He is looking for advice on getting it back in shape.

Jig for Three-Legged Bases

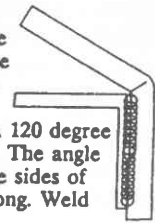
Steve Bloom



If you need to make several bases or (like me) have some problems with getting the angles right, this jig might help. In successive write-ups, I'll describe a shaping jig for the arcs of the legs & two projects (a simplified courting candle-stick & an elaborate copper & basket-work combination).

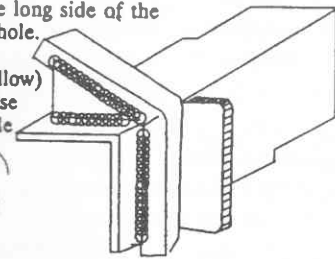


A. Start with 6" of 1/2" square stock and hacksaw a 60 degree notch 2/3 of the way through.

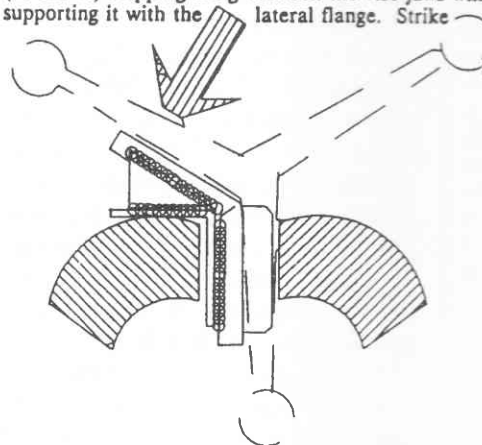


B. Bend the stock as shown (giving a 120 degree arc) & weld to a piece of angle iron. The angle iron should be slightly larger than the sides of your anvil's hardy hole & approx. 6" long. Weld the bent piece 4" from an end.

C. Weld side gussets between the free-standing portion of the 1/2" stock and the angle iron and weld a flange (1" x 1/4" x 2.5") along one side of the other limb of the 1/2" stock. Grind the edges of the long side of the angle iron so the jig can be inserted into the hardy hole.



D. To use the jig, prepare the leg unit (details to follow) & while still flat & hot, place the jig either in the vise (as shown) trapping 1 leg between the vise jaws while supporting it with the lateral flange. Strike



the other leg as shown to set the correct 120 degree angle. Be sure to compensate for the taper of the legs. Alternatively, insert the jig into the hardy hole & hold 1 leg while tapping the other (this is a nice way to do fine adjustments).

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From the
Florida
Clinker
Breaker

Pat's Place

About 65 blacksmiths braved the weather to attend the meeting at Stan's shop in St. Gen. It was cold outside but the shop was warm.

Lou Mueller started things out with an explanation on how he made his candleholder. This will be a new feature we will be trying. It was suggested by Jim McCarty, that a simple technique be shown, step by step, without actually heating the metal & doing the hammering. This will allow someone to see and hold each step from start to finish.

After that Bert Elliott did a demo on Peter Ross style hinges. This fulfilled her obligation for the scholarship she received at the last conference.

After lunch we held the "trade item" & "iron in the hat" drawings. We had 18 trade items and raised \$272 through the iron in the hat. There were 21 items donated. I was impressed with the number of people participating. Thanks to all who donated something.

The meeting was held next. I started the J. K. Reynolds Scholarship Fund with a \$50 check. By the end of the meeting we had \$182, a very good start. If you weren't at the meeting and want to donate send your check to Gary Kobermann. We need to collect \$500 to be able to award an additional scholarship in J. K.'s name at the conference.

Nathan Allen did his demo after the meeting. He demo'd hinges and hammered out a small belt axe. It's obvious that he paid attention in class, excellent demo! After that we finished the half lap on the cross we're making for J. K. Joe Wilkinson showed us how to rivet it together with a 3/4" rivet. I think I learned a thing or two about rivets, I always had trouble getting them tight enough.

We tried out Tom Clark's acorn tool and wound down for the trip home. Thanks to Stan for a good time.

— Pat McCarty

Welcome New Members

Paul Drieman and Sons
1377 Rock Spring Rd.
Wright City, MO
63390
(573) 745-3941

Larry Jones
14545 Britannia Dr.
Chesterfield, MO
63017
(314) 391-8973

Donald Stanley
4020 W. 13th St.
Grand Island, NE
68803
(308) 381-7176

Danile Allison
4820 Wyoming
Kansas City, MO
64112
(816) 931-4279

Steve Joslin
913 Weastmeade Dr.
Chesterfield, MO
63005

Wesley Mosier
RR1 Box 145
Edger, NE 68935

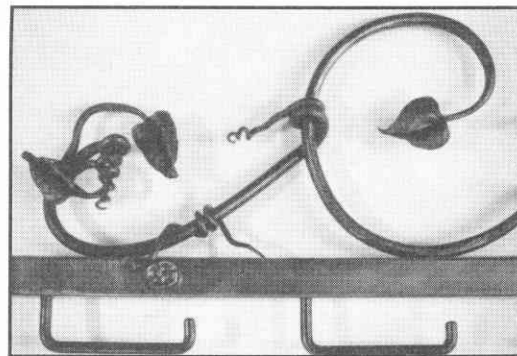
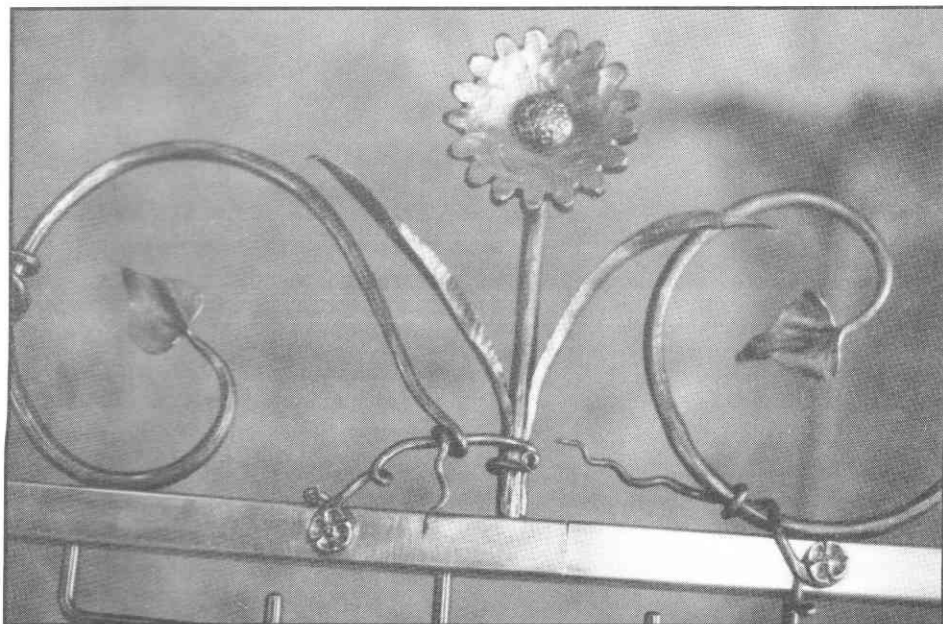
Brian Hughes
Box 10033
Prescott, AZ 86304
(520) 717-8204

Ralph Neumeister
17231 Messenger Rd.
Burton, OH 44021
(216) 543-8507

Shannon Pfautsch
310 W. 5th St.
Hermann, MO 65041
(314) 486-2933

Don Meador
10811 Blackwell
Lee's Summit, MO
64086

Keever Irwin
228 SW Clay
Topeka, KS 66606
(913) 232-8750



Pat McCarty forged this 21-foot valance for an old house in Ladue. The flower was forged from a spider gear (top photo). Thanks to Phil Cox for showing Pat how to do this.

BAM

JAN.

MEETING



Andrew Macdonald studies the trade item candle holders at the January meeting.

It's great going to see BAM's own Grubby Little Blacksmith at his Muleskinner Forge in Ste. Genevieve. First we get a chance to see Missouri's oldest town without any tourists around. (I hear Stanley closes his shutters in the summertime.)

We get a chance to have a great meeting with plenty of elbow room, and an opportunity to see what Stan's been up to lately. Last time it was forging palm trees for a riverboat. This time around he was chopping an old truck down so that he could see over the dashboard!

Stan had some good demos lined up. Lou Mueller got things rolling with a no-fire show and tell of his unique candle stands forged and filed from bolts.

Then it was payback time for Bert Eliot and Nathan Allen.

Both showed what they had learned from their scholarships they won at last year's Ozark Conference.

Bert attended a Peter Ross workshop at the John C. Campbell Folk School.

She showed us latches, hinges, and welded pintles. One of her hinges was a butterfly hinge that featured some thin stock forge welding. Nice stuff.

Nathan went to Conner's Prairie in Indiana, and he not only did a demo but brought one of his mentors along as well.

Nathan also showed welded hinge eyes and followed up with a nice belt hawk demo, which brought this comment from Doug Hendrickson: "What's a belt hawk?"

Of course we immediately pounced on Doug, suggesting they add that to the agenda at the Penland Iron Symposium.

While the forge fire in Stan's brick sidedraft was well-tended, at least as much hot air came from the fringes where a lot of lost time was caught up with.

It was good to see Fred Caylor back in fine shape after his recent car accident. Fred went home with a new project (25-pound Little Giant) in the back of his truck, a sure sign he is on the mend.

We had a great showing for both the trade item (candle holder) and iron

in the hat. We also drove home the rivet holding the two pieces of J.K. Reynold's cross together. Should have that to show off at the next meeting. Thanks to Stanley for hosting the January meeting.

Minutes

Old minutes approved.

Faust Park has opening for blacksmith to demo in well-equipped shop. Opportunity for sales, etc. Contact Pat McCarty for more info.

J.K. Reynolds Scholarship Fund established, donations can be sent to treasurer Gary Kobermann.

New shipment of coal will arrive soon.

Discussion of Globe Theater gate as shown in Anvil's Ring.

Workshop at Pat McCarty's on Jan. 28 to make chess pieces for 1996 ABANA Conference. Jerry Hoffmann has developed design for this.

Lou Mueller spoke on the Beginner's Workshop held on Dec. 2-3 1995. It was well received and raised \$500 for BAM. ABANA is setting up a trailer to haul equipment for Beginner's Workshops available to other chapters. Lou Mueller is building the trailer and looking into equipment requirements.

Todd Kinnikin mentioned that he lost a piece of mosaic Damascus at the workshop. Call him if you have any information.

"Forging on the River" at the Metals Museum April 12-13, Memphis, TN.

Hammer-in at Mt. Vernon, IL second Saturday of every month.

Lou Mueller and Jim McCarty have a proposal to set up a basic outfit (forge, anvil, etc.) to be used as a loaner to BAM members who don't have tools.

Iron in the Hat brought in \$272.

Gary Kobermann has a demonstrator list. sign up if interested.

Meeting adjourned.

Trade items made by:

Walt Hull, John Murray, Jerry Hoffmann, Tom Clark, Kate Dineen, Pat McCarty, Cliff Gillam, Bob Alexander, Maurice Ellis, Phil Williamson, Bob Woodard, Andrew Macdonald, Doug Hendrickson, Tony Smith, Ed Harper, Lou Mueller, Mike Williamson, Joe Wilkinson, Jeff Pittman.

Iron in the Hat:

5 lire coin from Tim Underwood went to Mike Williamson.

Gay Wilkinson carved anvil went to Bob Alexander.

Joe Wilkinson horseshoe project book went to Cliff Gilliam.

Bert Elliot pintle hinge and thumb latch went to Phil Williamson.

Jim McCarty plate went to Bob Woodard.

Bert Elliott bean latch went to Tony Smith.

Bert Elliott butterfly hinge went to Todd Kinnikin.

Bert Elliott bean latch went to John Sherwood.

Bert Elliott hinge pintle went to Mike Williamson.

Bert Elliott hinge hinge pintle went to Jim McCarty.

Walt Hull hand-tied broom went to John Sherwood.

Pat McCarty spike wizard went to Emil Bubash.

Jerry Hoffmann blower went to Pat McCarty.

Pat McCarty candle holder from Bob Woodard went to Bob Alexander.

Bert Elliott bean latch went to Jim Pease.

Railroad spikes from Fred Ellis went to Emil Bubash.

Phil Williamson hammer and tool steel went to Pamela Wallace.

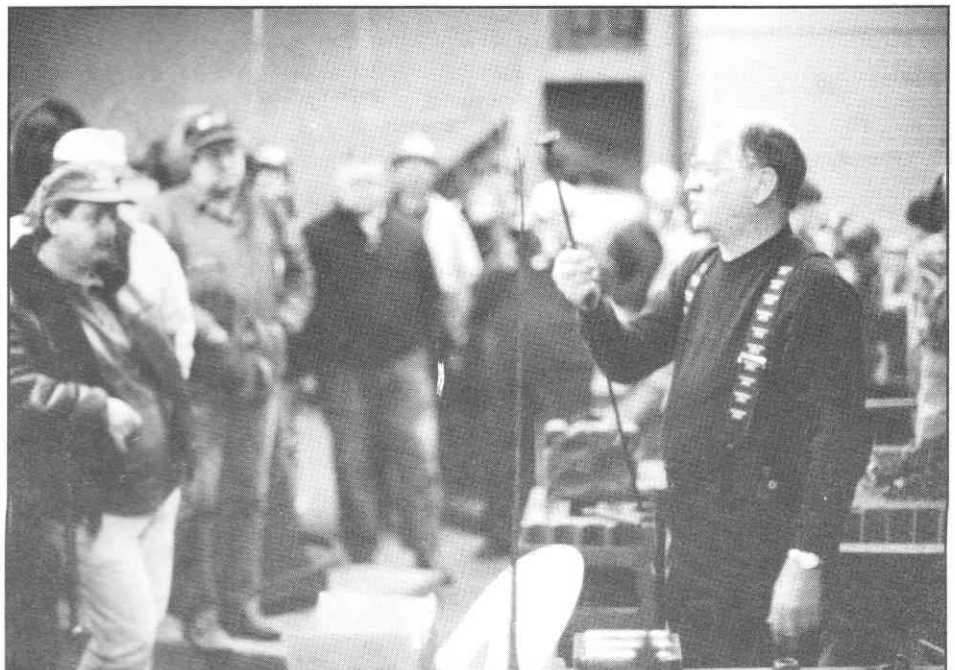
Andrew Macdonald candle holder went to Pat McCarty.

John Murray hammer demo piece forged at Nov. BAM meeting went to Cliff Gilliam.

Maurice Ellis spun copper bowl went to John Sherwood.



Above: Bert Eliot does her hinge demo in Stanley's well-equipped shop. Below: Lou Mueller did a fireless demo on the unique candle stand he forges out of bolts. The piece featured an interesting bird shape.





President's Message

It's too late for the holiday blahs and too early for spring fever so what can it be? Maybe it's pre-conference blues. If that is the case we don't have much longer to wait. The ABANA International Conference will be held at Alfred, New York, June 26 - 30, 1996. But we don't have to wait that long for a cure. There will be several Spring Conferences around the country. Check all of your sources for Conference dates and attend as many as you can. I hope everyone will at least attend your home chapter get together and make a real effort to be at Alfred come June.

For many years I used part of my vacation time to attend ABANA Conferences and I do recommend it as a good thing to do. I have never attended a bad conference but they do seem to get better all the time, that's the way it should be. There is always plenty to keep you and your family busy if you choose to attend a conference. This year there will be planned tours, various family activities, educational activities, galleries featuring the works of ABANA members, tailgate sales, trade show, iron in the hat raffles and two auctions.

Speaking of Iron in the Hat and the auctions, donations are still being solicited. Donations to the Silent Auction and Iron in the Hat may be made as late as registration upon arrival at Alfred. I hope everyone attending will consider at least one item for donation to either the silent auction or Iron in the Hat.

The theme of the 1996 ABANA Conference is "Forging toward the Future" and given the impressive roster of demonstrators I am sure there will be no problem projecting that theme. There is just no way of seeing all of the demonstrations so choose wisely based on your interests. It is a given that you can expand your knowledge regardless of your choice.

If you have been reviewing the ABANA committee member updates sent to the Chapters you have noticed several changes in committee assignments. We provide this information to the Chapters in hope that members will take note of the various committees, who chairs them and who serves as members. We provide addresses and phone numbers, if you have a concern, a suggestion or a comment let us know. We want to hear from the membership.

Every shop should be equipped with an adequate first aid kit. It doesn't have to be elaborate, just the items necessary to treat the most common shop mishaps and a place to keep them where they can be found if needed. In keeping with our effort to promote safety awareness one of the subjects to be covered at the Alfred Conference will be ways of avoiding and treating blacksmith-related injuries. The benefit we reap from safety practices is directly related to the efforts we put forth practicing safety. Give it your best and enjoy.

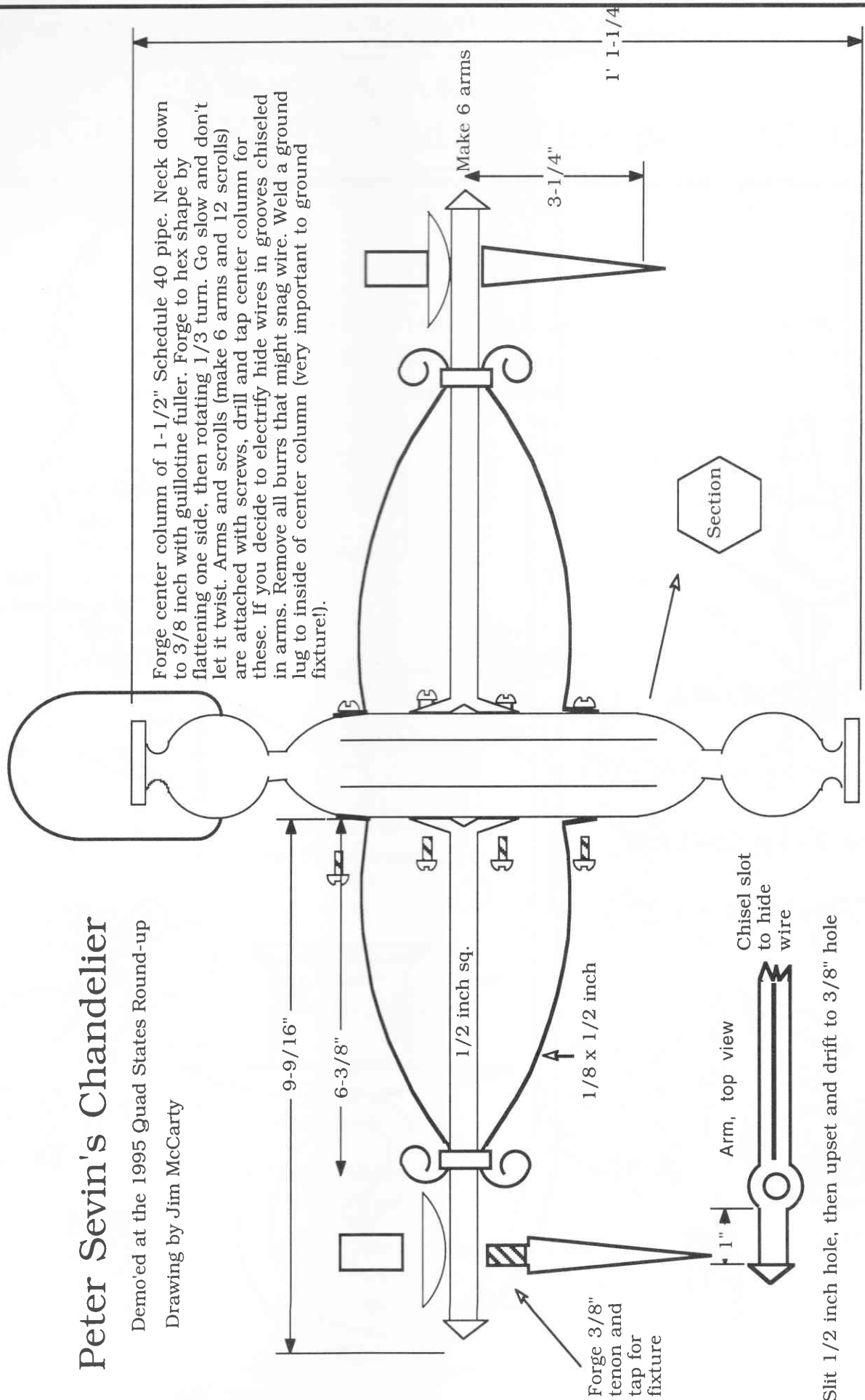
Joe Harris
ABANA President

Peter Sevin's Chandelier

Demoted at the 1995 Quad States Round-up

Drawing by Jim McCarty

Forge center column of 1-1/2" Schedule 40 pipe. Neck down to 3/8 inch with guillotine fuller. Forge to hex shape by flattening one side, then rotating 1/3 turn. Go slow and don't let it twist. Arms and scrolls (make 6 arms and 12 scrolls) are attached with screws, drill and tap center column for these. If you decide to electrify hide wires in grooves chiseled in arms. Remove all burrs that might snag wire. Weld a ground lug to inside of center column (very important to ground fixture!).



Slit 1/2 inch hole, then upset and drift to 3/8" hole

CANDLE HOLDER WALL MOUNTED

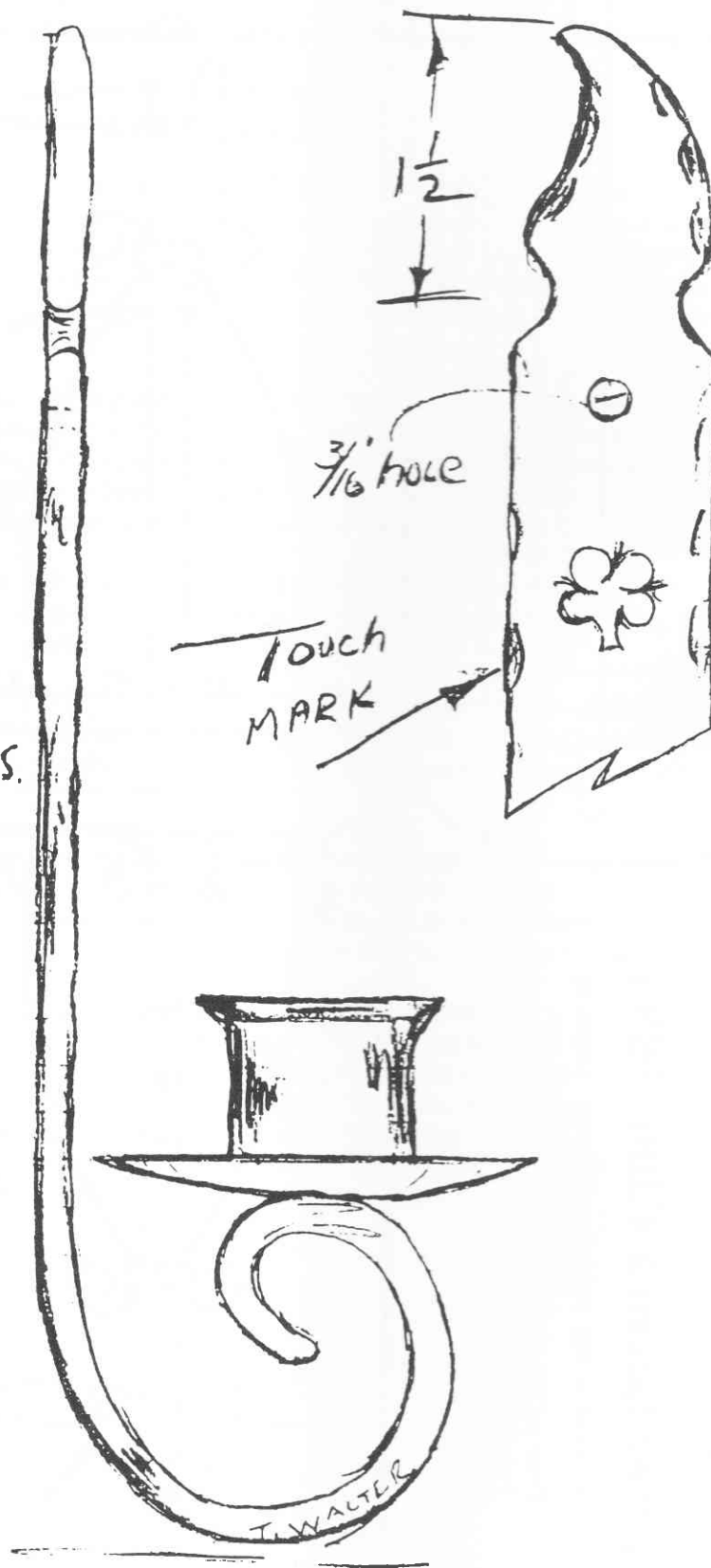


MATERIAL

SCROLL : $\frac{1}{8} \times 1 \times 12$ HRS.

Cup : $\frac{3}{4} \times 1\frac{1}{8}$ CONDUIT

DRIP TRAY : $20g \times 2\frac{3}{4}$



George Dixon: Traditional European Techniques.

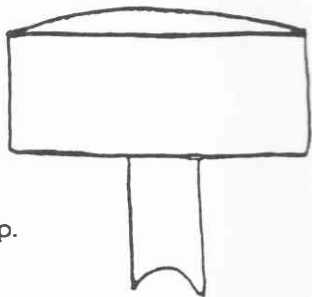
"The Hot Iron Sparkle" NC Chapter of ABANA

Notes: "One Smith's View" by: Tal Harris

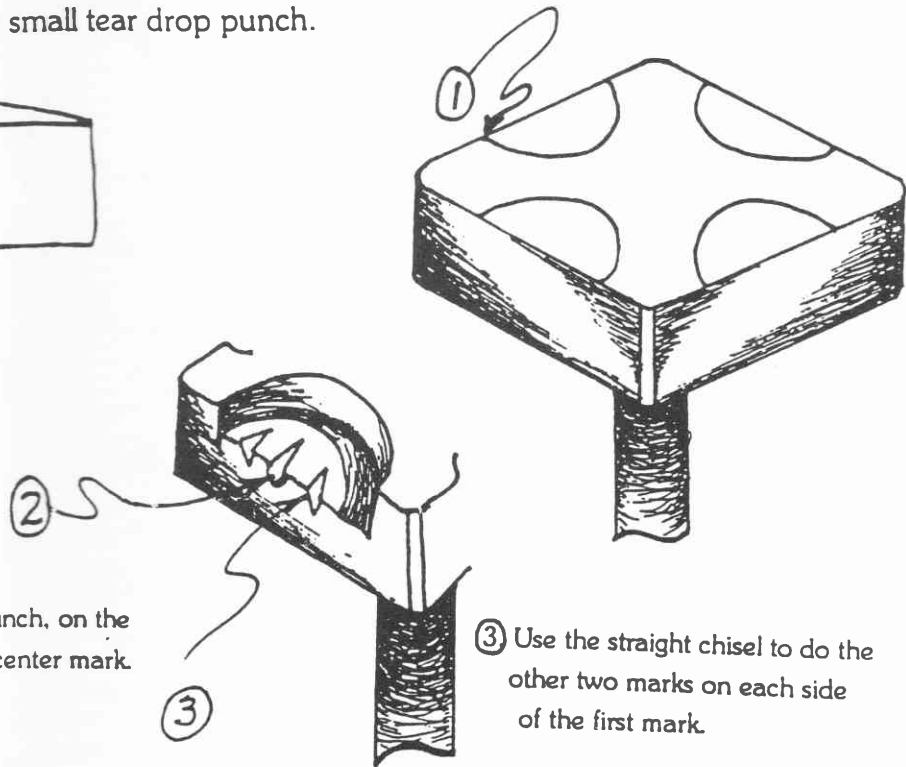
Demo: Decorative Rivet

Lay out the design one step at a time. Do it cold with a light stroke. Use the same tools you'll use when it is hot. You must do the hot work systematically to keep the work symmetrical. You need: curved chisel, straight chisel, hollow ended punch, and a small tear drop punch.

① Start with a piece of 1 1/2" x 1 1/2" x 5/8" (crown) 1/2" around the outside. George forged a 3/8" tenon. Lay out 4 outside curves and then forge them about 1/4" deep.

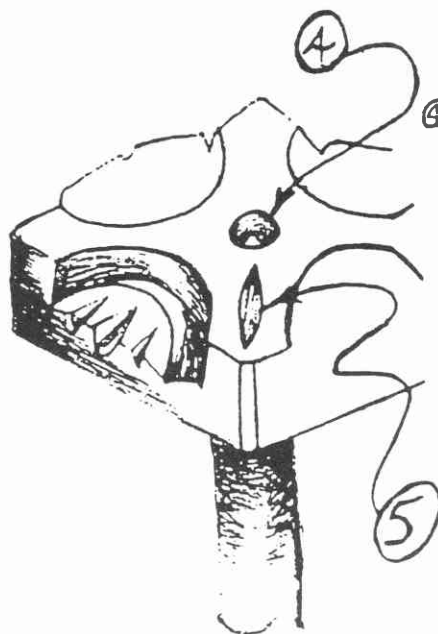


Note: To make it easier to hammer, use a bolster made from a piece of 1/2" plate with a hole drilled in the middle. Place it over the hardy hole and insert the tenon.



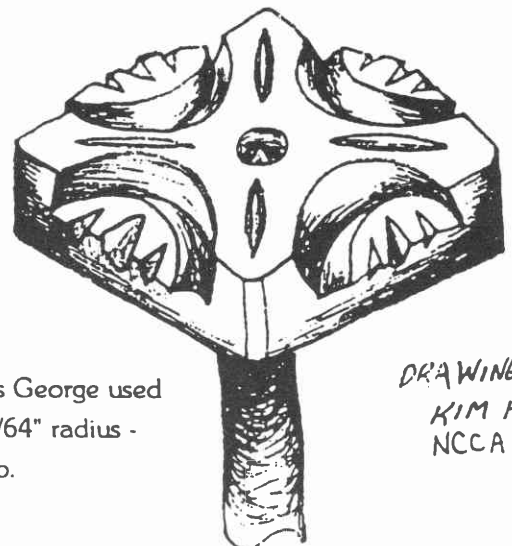
② Use the tear drop punch, on the edge, to make the center mark.

③ Use the straight chisel to do the other two marks on each side of the first mark.



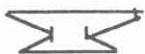
④ Hollow ended punch was used for the center. 3/16" deep

⑤ Straight chisel again for the 4 remaining slots.



Note: All the chisels George used for this work had 1/64" radius - they were not sharp.

DRAWINGS BY:
KIM HARRIS
NCCA

BAM**Ozark Blacksmith Conference Spouses' Workshop**

Evelyn L. McCarty, Instructor 314-629-2579

May 4, 1996 - Potosi, MO, Lions Club Park

Time: 9 am to noon **Title:** Yo-Yo Quilting Concepts **Cost:** \$5 (plus \$10 for supply kit)

Workshop Description: In the history of quilting there have been a number of fad quilts. These were made to show the skills of the needle worker rather than for warmth. During the Victorian era, ladies produced a number of ornamental quilts that were displayed on the back of the sofa, as parlor table covers or as a drape on the piano. The Yo-Yo quilt was one of the popular fad quilts of that era. When used on a bed over a solid color spread, they are meant for display not warmth.

In this workshop we will discuss Yo-Yo quilt making and do a hands-on project to learn the process of making Yo-Yo's. Workshop activities will also include a Trunk Show of quilts, new and antique. The finished project will be a collar suitable to wear over a denim shirt, a solid color turtleneck shirt or as you desire. The same process will be used for the collar as was used in making a Victorian quilt.

Students may purchase a kit with all necessary supplies including 35 pre-cut fabric circles, thread, needles, instruction sheet, collar layout sheet and colored photo of the finished collar. Cost of each kit is \$10 payable in advance by April 1, 1996, to Evelyn McCarty, 3020 Moselle Road, Union, MO 63084.

Instructor Biography: Evelyn L. McCarty has been teaching quilting since 1980. In 1986 she began free-lance writing for several quilting magazines. In 1988 she had regular columns in three leading quilting magazines. She is now doing free-lance writing only.

As a teacher and lecturer she has traveled Missouri as well as Australia and Tasmania. Evelyn is founder of the Piece workers Quilt Club, Union, Missouri, and a charter member of the Missouri State Quilters Association. One of her quilts was displayed at the first state-wide quilt show in the Rotunda of the Missouri State Capitol. She has authored a book on embroidered block quilts and published an applique quilt pattern.

BAM SPOUSES' WORKSHOP REGISTRATION FORM ON THE BACK OF THIS FLYER



Ozark Blacksmith Conference Spouses' Workshop

Evelyn L. McCarty, Instructor 314-629-2579

May 4, 1996 - Potosi, MO, Lions Club Park

Registration Form for Spouses' Workshop

Name _____ Phone #(_____) _____ - _____

Address _____

City _____ State _____ Zip _____

of people _____ Amount of money _____

____ Registration(s) for Yo-Yo Quilting Concepts Workshop (\$5 per person) \$ _____

____ Supply kit(s)-(see back of this form) - **\$10 each - payable in advance by** \$ _____

April 1, 1996, to Evelyn McCarty. If you wish to assemble you own kit of supplies, a supply list will be sent to you if you send a SASE to Evelyn McCarty.

Total enclosed (make check payable to Evelyn L. McCarty): \$ _____

Send registration form and payment or request for additional information to:

Evelyn L. McCarty, 3020 Moselle Road, Union, MO 63084

BAM CONFERENCE SPOUSES' WORKSHOP INFO ON THE BACK OF THIS FORM



Maurice L. Ellis, Chairman
314-766-5346

Ozark Blacksmith Conference

May 3, 4, & 5, 1996 - Potosi, MO, Lions Club Park

Demonstrators: Dorothy Stiegler
Bob Haverstock
Jay Burnham-Kidwell

Friday, 6 pm-?

Fish fry 6-7 pm
Forging contest 7-8:30 pm
Bonfire 7 pm

Saturday, 8:30 am

Opening 8:30 am
Demonstrations 9-12 n
Lunch 12-1 pm
Demonstrations 1-4 pm
Forging contest 4-5:30/Dinner 5-6:30 pm
Auction (w/Tim Ryan) 7 pm

Sunday, 7-12 noon

Breakfast 6-8:30
Demonstrations 9-12 n

**\$25 for Fri.-Sun. (in advance) \$15 for One day.
\$11 for 3 meals (Sat. lunch & dinner. Sun. breakfast)
Tailgate sales and camping free to registered participants.
Motel accommodations furnished on back of flyer.**

Registration Form

Name _____ Phone # (____) _____ - _____

Address _____

City _____ State _____ Zip _____

<u># of people</u>		<u>Amount of money</u>
___	Registration for one day only - \$15/person. <u>Circle Day:</u> Saturday Sunday	\$ _____
___	Registration for entire conf. - \$25/person before 4/15/96---\$30 after 4/15/96	\$ _____
___	Meal ticket - \$11/person ___ Friday fish fry - \$6/person*	\$ _____

Send registration form and payment or request for additional information to: Maurice L. Ellis
Route 1, Box 1442
Belgrade, MO 63622-9801
Total enclosed: \$ _____

*Friday Fish fry is free to each participant who has preregistered by April 15, 1996. Spouse and children must pay for the Fish fry unless they have registered and paid for the conference.

SEE MORE INFORMATION ABOUT THE CONFERENCE ON THE BACK OF THIS FORM

Spouses' Workshop

YO YO's Quilting Concepts
to be taught Saturday 9 am-noon
by Evelyn McCarty

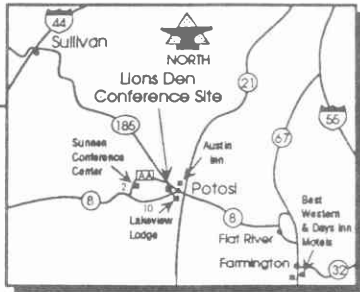
Cost of the class will be \$15 which includes a \$10 supply kit. The class will cost \$5 if a participant supplies her own materials. A supply list will be furnished with registration for the Spouses' Workshop. The Registration Form for the Spouses' Workshop can be found elsewhere in this Newsletter.

Forging Contest

Forging contest (Demonstration Bldg) to be held Friday evening from 7-8:30 pm and Saturday afternoon from 4-5:30 pm. The contest will be to draw a piece of 1/2 inch square rod down to a square taper in one heat in the forge. The winner will be the forged piece with the longest and smoothest taper.

- 1st place - \$20
- 2nd place - \$15
- 3rd place - \$10
- 4th place - \$5

Complete rules will be supplied at the Conference. Decisions of the judges are final.



Lodging Information

- Sunnyside Conference Center, Potosi (314) 438-2154
- Best Western Farmington, (314) 756-8031
1-800-528-1234
- Days Inn Farmington, (314) 756-8951
1-800-325-2525
- Austin Inn Potosi (??), (314) 438-9002
- Super 8 Farmington, (314) 756-0344
- Budget Inn, Desloge (314) 431-4001
- Rosener's Inn, Park Hills (314) 431-4241

There is free camping on the conference site, but no hookups are available.



BAM

Ozark Blacksmith Conference

An auction item will be appreciated from any participant who would like to donate one. Proceeds from the auction go to support BAM activities and scholarships. The auction will be held Saturday evening at 7 pm in the Lions Club main building. Colonel Tim Ryan is the scheduled auctioneer.

Family members may attend the conference at no charge, except for meals and spouse workshop. Meal tickets may be purchased with advanced registration (see Registration Form on the reverse side). Meals at the conference site may be purchased separately at meal time. Friday fish fry-\$6. Saturday lunch-\$3.50. Saturday dinner-\$5. Sunday Breakfast-\$2.50.

Please check appropriate spaces:

Yes, I desire tailgate space (free to registered participants).

Yes, I wish to participate in the forging contest (free to registered participants). I prefer to participate in the contest on: (Circle one) Friday (7-8:30 pm) Saturday (4-5:30 pm)

Yes, my spouse is registering for the "Spouses' Workshop" on the registration form elsewhere in this Newsletter.

SEE MORE INFORMATION ABOUT THE CONFERENCE ON THE REVERSE SIDE OF THIS FLYER.

Heavy duty frying pan blanks, steel, approx. 9 inches diameter with 2 inch sides — 12 gauge (.095) thickness. Has two 3/16 inch holes for your decorative handle, \$7.75 each, \$7 for 5-9, \$6 for 10 or more pans. Shipping \$2.50 plus 50 cents for each pan. Bob Tuftee, 3855 Aspen Hills Dr., Bettendorf, IA 52722.

For sale: Aprox. 3,000 pounds of nuts, bolts, carriage bolts square & hex, machine screws. Mostly 1/2 inch and up, not galvanized. New but lightly rusted from flood. Cheaper than dirt at 25 cents per pound, bring your own container. Joe Wilkinson, (573) 943-6779.

There will be a huge blacksmith tool sale coming up sometime this year. Wayne Meyer, Tuscola, Ill., is going to sell his collection of stuff which includes 4 25 pound Little Giants, 1 50-pounder and one Star hammer, cones, forges, and many hand tools. If you want to check it out Wayne is at (217) 253-2106. Says he might sell prior to the sale if the price is right.

Bill Epps down in Texas had a 25-pound Little Giant for sale, rebuilt and running, \$900. (214) 285-1004.

Announcing: New how-to Manual for beginning blacksmiths titled: 101 Metal Projects for the Novice Blacksmith, by Al Canella. This is a how-to shop manual for beginning blacksmiths with step-by-step explanations and clear drawings to insure successful completion of each project. Available postpaid for \$29. Write to: Al Cannella, 1310 Walter Reed Rd., Cookeville, TN 38501.

For sale: 70 pound ram air hammer. Total weight 1,000 pounds, 180 blows per minute. Requires 5 hp 2 stage air compressor. \$2,500. Also 25 pound ram air hammer. Total weight 400 pounds, 180+ blows per minute. Can be operated with small air compressor (3 hp, 20 gallon tank). \$2,000. Contact Maurice Ellis, (314) 766-5346.

For sale: Hawkeye No.2 helve hammer, swings a heavy hammer on a steel arm against an anvil. Has inter-

changeable dies top and bottom. Compact design would fit well in a small shop. Comes with a flat belt to V-belt shaft, has motor but can't guarantee it runs. \$600. Champion 400 blower, missing cover over gears, works, \$45. Royal blower, perfect shape, \$60. Pedestal grinder, no motor, 14-inch wheels, \$40. Large, heavy duty Champion post drill, set up to run off motor, rusty but good shape, has modern Jacobs chuck. \$25. Cannedy-Otto post drill, huge, with auto-stop depth gauge, perfect shape, \$35. Sickle mower grinder, electric powered with hold down for blades, could be used for knife grinding, whatever, \$25. Jim McCarty, (573) 659-3421 (days) or (573) 395-3304 (evenings).

David Oliver always has swage blocks — custom cut to your design or his — for sale. He usually has a power hammer or two and all sorts of other stuff for sale. David Oliver, PO Box 3452, Bristol, TN 37625, or phone (615) 878-5712.

For power hammer parts machined to your specs give Russell Cashion a call at (615) 731-3215. He also has a 1,000-pound and a 700-pound anvil for sale.

BAM now has new T-shirts and caps with the old triple-striker logo (who are these mystery blacksmiths?) Sizes are small, medium, large, and Doug Hendrickson. Any color as long as it is black or red. Shirts are \$10 and hats are \$5. Pick one up at the next meeting or contact president Pat McCarty, (314) 239-3814 and he will ship you one.

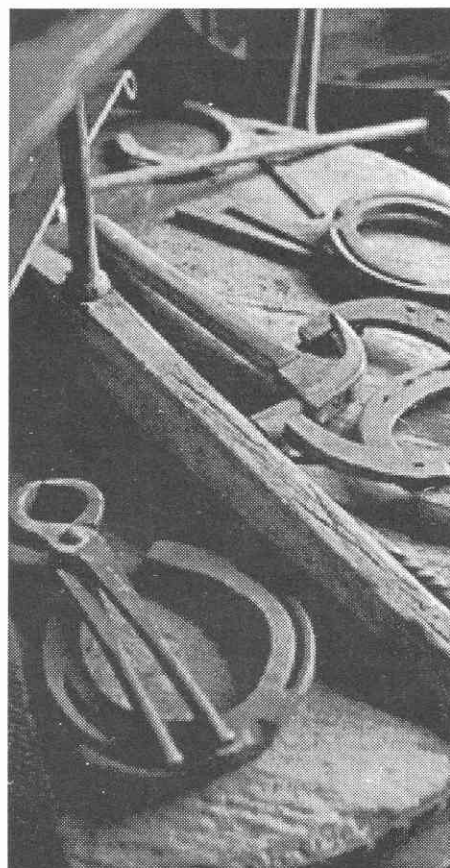
—NEWSLETTER EDITORS NOTE—

Want to trade t-shirts? BAM will trade even up your shirt for ours to use in Iron in the hat. Contact Pat at the above number if you are interested. We have several styles including the fabled Ozark Conference shirts in demand by polite company. For an extra charge we will get a real BAM member to sweat in them.

Anvil alert: Springfield, Mo. has a

BAM

Bulletin Board



row of flea markets off Boonville Rd. and if you look inside one of them you will find a 98 pound Peter Wright fixer-upper anvil for \$90. Also, the flea market in Sedalia across from the State Fair grounds has a small Fisher anvil painted a lovely silver for less than a dollar a pound. No Maurice, Bess says you can't have this one.

BAM

Shop Notes

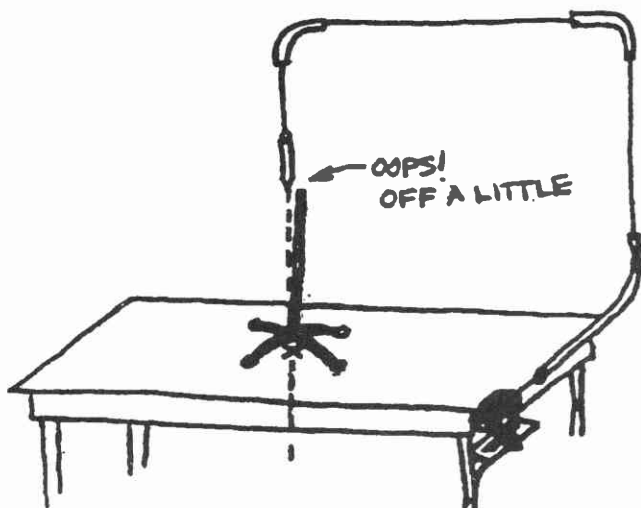
Got a tip to share? Jot it down and send it to the editor, Jim McCarty, 5821 Helias Dr., Jefferson City, MO 65101

Holes in the floor

My old shop in Loose Creek had a number of holes deliberately left in the floor. I always wondered why and finally Steve Ciolerio, an old blacksmith from Marceline, Mo., has answered my question. In his shop he mounted things like grinders, machinist vises and even small anvils on 4 inch pipe. When he poured the floor in the building he set slightly larger pipe (or a coffee can maybe) into the concrete so that the pipes would slip inside. In a small shop, you can gain valuable space by setting up seldom-used tools in this manner, moving them out of the way when they aren't in use.

Layout table plum bob device

This device is extremely handy in any shop producing ironwork that must be square and plumb. All you need to make it is a plumb bob (available from any lumber or building supply store), a piece of string and two pieces of electrical conduit or pipe bent to a 90 degree angle. (You can probably get these from any electrician if you can't find them in the lumber store.) Take the two pieces of conduit and attach them with screws, nails or clamps to the ceiling over your layout table, as shown below. Make sure your layout table is level and flat. Lower the plumb bob to the center of the table and mark the point of contact with a center punch. Scribe an X through the punch mark. You



can tie the other end of the cord to a nail on the wall, or spool it onto an old fishing reel mounted on your table. It is used in my shop to plumb vertical on hand rails, fireplace tool sets, etc.

—Dan Tull, adapted from the *Ocmulgee Blacksmith Guild Newsletter*

Fix your feet

Find a floor mat that you find comfortable and cut out two pieces the size of your shoes then glue them on!! What could be easier? You should get a few sets out of one mat. Anywhere you go in your shop you will be on a mat. As far as I know there are no patents on this idea. Another idea would be to put an old chair out in the shop and sit for a while when your dogs start barking. That's what I do.

—Robert Schade, Peterson, Minn.
(via theforge mail list)

Cheap insulation

Looking for a way to insulate my shop and lacking the necessary stack of dead president portraits, I stumbled on this idea from a rural electric publication that goes to people in the frozen state of Alaska:

One of their readers needed to build a well house to keep his pump from freezing. He framed the house with 2x6 lumber and saved all his beer cans and the 12-pack cartons they came in. When they were empty (bet BAM members would gladly help with this) he put the cans back in the cartons, stacked the cartons inside the walls, and sealed them up. He says it protects the pipes to 40 below. If I were doing this I would seal the cracks between the cartons with duct tape and use a heavy plastic vapor barrier. Insulation works by creating a dead air space inside the walls. Don't see why this wouldn't work, and the cartons would fit just right inside a pole barn wall with its 6x6 poles.

On buying coal

1. Ask from where it came.

2. Ask what grade it is.
 3. Take a hand held propane torch to the coal yard. Ask for a 1" cube or so. The more cubic the coal is the better. Take the torch and heat the piece. If it exudes a tarry substance, it will pass as a bituminous coal. The piece of coal should literally foam and coke up while the flame is on it. This is not bad for a first test. Just because a coal will coke up does not mean that it will be good stuff. If it is not too much trouble just buy one bag and give it a shot in the forge.

— *Bill Hochella (via theforge mail list)*

How to tell you're a blacksmith

Clifton Ralph says this is how to tell when you are a BLACKSMITH. First, buy an anvil, and a bag of marbles. After that, whenever you buy another tool, leave a marble. Buy a tool — leave a marble. Buy a tool — leave a marble. When you have lost all of your marbles, YOU ARE A BLACKSMITH! (Indiana Blacksmith Association Newsletter)

— *Steve Kayne (via theforge mail list)*

That green frog finish

I personally prefer the natural steel look, i.e. mineral oil. You get used to the sympathetic and perplexed looks from sales clerks when you buy it by the gallon. Some clients occasionally request something different. One pleasant flat finish I have used is a mixture of bowling alley wax with the colored powders used to tint con-

crete. (Remember those green yard frogs). Preheat the piece with the torch, apply the mixture with a rag or brush, then lightly reheat to dry and seal. The green mixture looks especially good on leaves.

— *Gray Schmidt (via the Artmetal Mail list)*

How Clay found the sun

Doover Books published a book by Albert E. Waugh (1973) called "Sundials: Their Theory and construction." My copy has a price of \$4. It has everything you ever wanted to know about sundials. The gnomon angle should be set at the angle equal to your latitude. When setting up a dial the gnomon should point to true North or to the North Star. Since the earth rotates 360 degrees in 24 hours, then $360/24 = 15$ degrees per hour. The horizontal base would be divided into 15 degree increments. This is the simple. Best is to get the book.

— *Clay Spencer (via theforge mail list)*

Super flux

We had a huge pile of mystery steel donated to Pioneer Farm years ago and it gave us fits trying to use it, well for anything. To make a long story short we experimented like mad and are pretty sure the Hi-Alloy No. 17, General Purpose Welding and Brazing Flux for Cast Iron will forge weld just about anything ferric. We have forge welded S and H series with it, but you'll need to be consistent with

the pre-heating (get a good fire and soak your steel at the preheat temperature). It's also handy to have one of Mr. Spencer's treadle hammers nearby. Its a nice powder flux, but way too expensive for what little you get, but the welded joints are as forgeable as any of your other forge welds.

— *Tom Vincent (via theforge mail list)*

For him the bell tolls

I make triangles as a production item. That means I make several hundred of them per show!! I make them in three main sizes (8", 10" and 12" per side) and, start to finish, they take about 7 minutes each, including the finish and the ringer (clapper). I forge a hook at the end of the triangle's base to hang the clapper from. I also use an oxy-propane torch to heat for the 60 degree bends at each corner, the bends are much tighter and neater that way. Anyway, if you quench in cold water after each operation (forge a hook, quench it. Make a bend, quench it) you will end up with a triangle that has a nice tone. If you allow the metal to heat up and cool too slowly, you will lose the tone in a MAJOR way. If that happens, reheat a section (doesn't matter which) and when you get a nice glow, rapidly cool it in cold water. Works like a charm every time. I am using 1018 mild steel, 1/2" square bar.

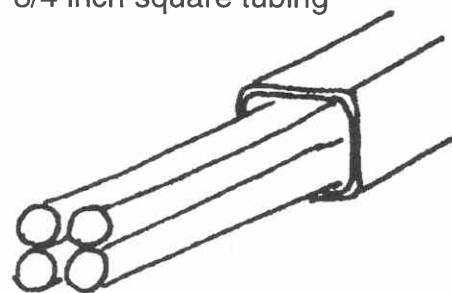
— *Franklyn Garland, (via the Artmetal mail list)*

Bundle that round stock

From a Darryl Nelson troubleshooting workshop, notes by Joe Elliot, Northwest Blacksmiths Association

The four rounds used in a basket handle are stacked and put into a piece of tubing (thin wall) and forge welded. Flip and forge weld the other end. This eliminates the need to arc weld or wire weld the ends together to keep them from moving around before the weld sticks. Use different size tubings for larger or smaller stock than that illustrated. This technique will work in a number of applications.

3/4 inch square tubing



5/16 inch round stock

BAM NEWS

Forging on the River

The annual Forging on the River is set for Saturday and Sunday, April 13-14 at the Metals Museum in Memphis. Demonstrating will be Bill Bastis, Wendell Broussard, Andrew Macdonald, Charlie MKinney, Lea McKinney, John Medwedeff, Richard Prilliman, Brian Russell, Rick Smith, Jim Wallace, Steve Yusko and others,

Demonstrations will include traditional and contemporary iron forging, pewter casting, aluminum forging, and woodworking basics for the blacksmith.

Saturday will be formal demos and slide lecture, dinner and auctions Saturday night. On Sunday morning there will be formal and informal demos at the forge in the smithy and outside forges. Slots remain open on Sunday for informal demos.

Safety glasses required! Cost is \$15 for one day or \$25 for both days, family members free except for

meals. Meal ticket is \$15. Tailgate space is free with donation of auction item.

To register or for more info contact Doug Learn, 3037 E. Giengarry Rd, Memphis, TN38128-2909 or call (901) 358-1192.

New Salem Hammer-in

As part of their continuing education program, Lincoln's New Salem State Historic Site and the New Salem League will sponsor a blacksmithing workshop on April 13 and 14 from 10 am to 4 pm each day.

This year's guest demonstrator will be Bill Callaway of Pheonix Forge, Phoenix, Az. His demonstration will concentrate on forging stainless steel jewelry, bending square tubing without collapsing it, face carving and other surprises.

Bill retired as a fireman in 1981 and took up blacksmithing full time, serving on the ABANA board for 11 years and treasurer for 9.

A gallery of your personal work will be set up so bring along a recent work to display. Tailgate tool sales are always a big highlight of the event, so bring yours along too. (No charge, but please donate something to the auction.)

Site has camping with or without electrical hookups.

Workshop cost is \$10 per day before March 20 or pay at the door for \$15 per day. Coffee and donuts provided each morning, free chicken

dinner Saturday night with each paid registration sent in before March 20. (Otherwise cost is \$7.50)

For more information or to register contact Jim Patton, Lincoln's New Salem State Historic Site, RR 1, Box 244A, Petersburg, IL 62675 or call (217) 632-4000. Make checks payable to New Salem Lincoln League.

Your best shot

A 1997 wall calender which will feature photos and shop tips by blacksmiths around the country is in the works and your contributions are needed. Pull out your best photo or write out a simple tip send it in. Contributors will not be compensated, but those who send in photos which are selected will receive a free calendar. Photos must be black and white professional-quality, preferably no smaller than 5" x 7". Tips and techniques must be legible and clearly understood without drawings or sketches. Photos and tips will be returned if a self-addressed, postage-paid envelope is included. Please include the following information with your photo and tip, if applicable: first and last name, address, phone number-fax, item title and/or description, dimensions-comments, if desired. Deadline is May 15, 1996. Send submissions to Jody Best, Hidden Hills Forge, RD 1 Box 141, Confluence, Pa 15424.

!BAM SCHOLARSHIPS!

It's time again to apply for one of the BAM scholarships to be given away at the Ozark Conference. All scholarship winners must do the following: give a demo at a future BAM meeting and send an article to the newsletter about something you learned at your workshop. Open to all BAM members in good standing (dues paid). Funds (up to \$500) will be paid directly to recipient and must be used for the study of blacksmithing or related subject. To enter fill out this form and send it by April 15 to chairman Todd Kinnikin, 8356 McKeever Rd., House Springs, MO 63051.

Name:

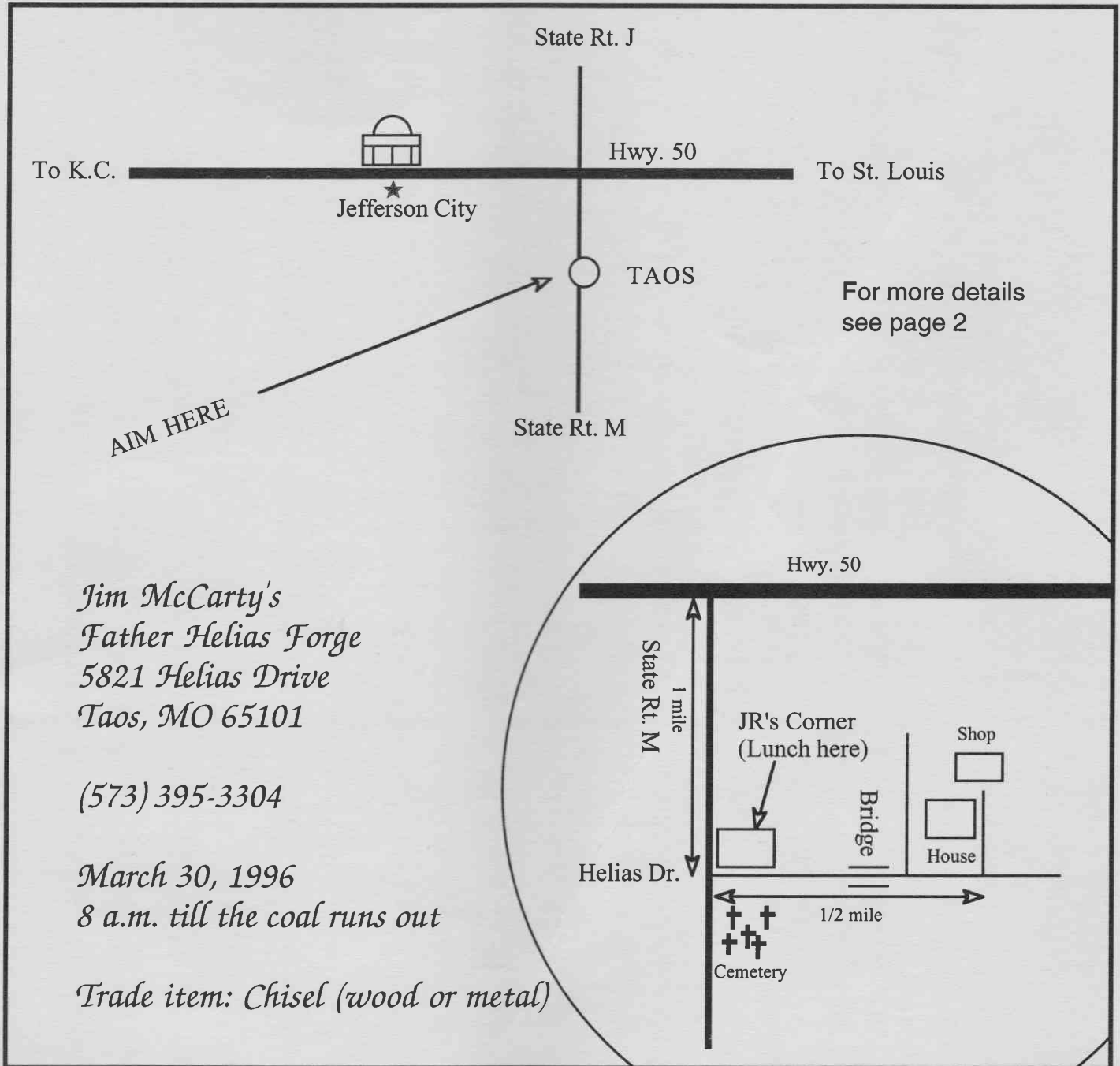
Address:

Phone:

Describe course you want to take:

Projected cost:

Next Meeting March 30, 1996, Taos, Mo.



For more details see page 2

*Jim McCarty's
Father Helias Forge
5821 Helias Drive
Taos, MO 65101*

(573) 395-3304

*March 30, 1996
8 a.m. till the coal runs out*

Trade item: Chisel (wood or metal)

BAM 1996 Schedule

March 1996 Meeting
Jim McCarty, Taos, Mo., March 30

Ozark Conference
Lion's Club Fair
Grounds, Potosi, Mo.,
May 4-5

May Meeting
Steve Austin,
Claycomo, Mo.,
May 25

July Meeting
Jim Kendzora, Sunrise
Beach, Mo.



Artist's rendering of editor's new shop

BAM
5821 Helias Dr.
Jefferson City, MO 65101

(Note New Address)

First Class
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Address Correction Requested

Please send changes to Maurice Ellis, Rt. 1, Box 1442, Belgrade, MO 63622