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THE FORGE FIRE

The Newsletter of the Indiana Blacksmithing Association, Inc.

An Affiliate Of The Artists-Blacksmiths' Association of North America, Inc.

IBA is a Not For Profit Indiana Corporation recognized by the IRS under section 501(c)(3)

10:00 AM is the regular meeting time for IBA Hammer-Ins with beginner training available at 9:00 AM.
PLEASE MAKE SURE TO ASK FOR HELP!

If you would like an IBA membership application form, please contact Farrel Wells, Membership Secretary (765) 768-6235.

BULK LOTS ARE AVAILABLE TO DEMONSTRATORS, SHOPS, SHOWS AND OTHERS WILLING TO MAKE THEM AVAILABLE. WE APPRECIATE YOUR HELP.

The Indiana Blacksmithing Association, Inc., its staff, officers, directors, members, and hosts and the *Forge Fire*, specifically disclaim 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 in the Forge Fire. The Indiana Blacksmithing Association, Inc. And the *Forge Fire* assumes no responsibility or liability for the accuracy, fitness, proper design, safety, or safe use of any information contained in the *Forge Fire*.

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More nearby resources and organizations for blacksmiths:

Rural Smiths of Mid-America:

Meetings are on the first Saturday of each month Call Moe Handy (317) 862-5647 for details.

IBA MEETING SCHEDULE

Check the latest *Forge Fire* for monthly **IBA** revisions. Contact **Michael Wollowski** (812) 232-2591 if you are willing to host or demonstrate for IBA

Sep 17	GARY PHILLIPS
2011	(BOARD MEETING, OPEN FORGE)
0ct 8	WABASH VALLEY BLACKSMITH
2011	SHOP
Nov 19 2011	ST JOE VALLEY FORGERS
Dec 10	CHAZ KAISER'S
2011	(BOARD MEETING)



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Dates to Remember

Sept 17 IBA Board Mtg

> Sept 23-25 Quad State (SOFA)

Oct 29 Ron Tincher Hammer In

Editors Message

Lets start with some business.

First, **check the renewal date on your IBA membership card.** If you receive the Forge Fire by mail, the date is shown on the address label. For those of you who are not current on membership renewal, this will be your last Forge Fire edition. Membership renewal forms were printed in the August Forge Fire, are available on line at www.indianablacksmithing.org or from your local forge master.

Second, the September hammer in includes a board meeting with proposed revisions to the IBA by-laws. The proposed changes were posted in last months Forge Fire and are posted again on page 10 of this edition. The changes to the by-laws will be approved or rejected by all members voting at the board meeting. You must be present to vote. The hammer in and board meeting will be held at Gary Phillips shop. Driving directions are on the back cover.

Third, note the October hammer in at Wabash Valley will be held on the second Saturday rather than the traditional third Saturday of the month.

Last month we had a 4-H update from Kosciusko County. This month Parke County provided information about their 4-H program. Check out the article and pictures on page 7.

I have not seen any action photos from the State Fair, but I have gotten some verbal feedback. It seems there was a good time hammering. I understand a good many repair pieces were made for various machines in the Pioneer Village. If you have any pictures of the event please share them.

Festivals and special events will continue through the fall months. Some of my favorite events are: the annual Trail of Courage festival at Rochester held Sept 17-18 and SOFA's Quad State held on Sept 23-25.

Those of you who have internet access should be sure to check out our IBA web site at the address below. There is a great deal of information and some very good metal work on display in the Gallery.

In closing I am glad to see a break in the heat. The cooler weather makes it much more enjoyable to be working at the forge.

Visit the IBA website at: www.indianablacksmithing.org

IBA Satellite Groups and News

Sutton-Terock Memorial Blacksmith Shop

Meet: 2nd Saturday at 9 AM Contacts: Fred Oden (574) 223-3508 Dennis Todd (574) 542-4886

Wabash Valley Blacksmith Shop

Meet: 2nd Saturday at 9 AM Contacts: Doug Moreland (217) 284-3457 Max Hoopengarner (812) 249-8303

Maumee Valley Blacksmiths

Meet: 1st Saturday

Contact: Clint Casey (260) 627-6270

Rocky Forge Blacksmith Guild

Meet: 2nd Saturday at 9 AM Contacts: Ted Stout (765) 572-2467

Whitewater Valley Blacksmiths

Meet: 2nd Saturday

Contact: Keith Hicks (765) 914-6584

Bunkum Valley Metalsmiths

Meet: 1st Saturday

Contacts: Doug Neukam (812) 259-4430 Steve Stoll (812) 486-9668 Shawn Gilley (812) 486-9113

Jennings County Historical Society Blacksmith Shop

Meet: 2nd Saturday at 9 AM Contact: Ray Sease (812) 522-7722

Fall Creek Blacksmith Shop

Meet: 4th Saturday at 9 AM Contacts: John Zile: (765) 533-4153 Larry Singer (765) 643-5953 Farrel Wells (765) 768-6235

St. Joe Valley Forgers

Meet: 4th Saturday at 9 AM Contacts: Bill Convers (574) 277-8729 John Latowski (574) 255-6209

The Southern Indiana Meteorite Mashers

Contacts: Billy Merritt (812) 338-2876 Steve King (812) 797-0059 Shawn Gilley(812) 486-9113

One Armed Blacksmith's Shop

Meet: 1st Saturday

Contact: Tim Metz (812) 447-2606

"Doc" Ramseyer Blacksmith Shop

Meet: 3rd Sunday at 2 PM Contacts: Mike Kelley

Charles Gruel (765) 513-5390

Bunkum Valley Metalsmiths

We had a nice gathering in shop on the 6th. And although we had less than 10 people in attendance it was never the less just as busy as normal.

We (as a club) will be meeting in Sept at the Elnora (Daviess Co.) fair grounds. And there will be 4 forges going and demonstrations all weekend. It is the days of 8-11. We encourage all who can attend to do so. As a side note, like other shops our group continues to work throughout the month. This is excellent for any who cannot do so at their own home. I myself used the press to work some damascus. Point is groups need not gather only 1 Saturday a month to pursue our passion. Soon we are going to have a tomahawk throw...need I say more? Get busy boys. Til then keep your fires hot.

Jennings County Historical Society Blacksmith Shop

The Vernon blacksmiths of the Jennings County Historical Society began with Ray Sease making an excellent pot of coffee. After a round of donuts (after breakfast appetizers) Ray used a piece of flat stock to show the ease and simplicity of making a very nice door pull. Two visitors were watching and became very interested After some discussion, they were both shown some of the basics and were aloud to do some of the very basics. They spent some tine behind the anvil and with the instruction of Bill Kendrick, they left with a real good feeling. Bill Wonning then made a traditional fire poker for a fireplace (or a stove). He likewise left more sweat than was considered necessary. We had a very successful iron-in-thehat, as usual. Many thanks to all who demonstrated at the Indiana State Fair and condolences to all who suffered any loss at the tragedy. Also thanks to the men and women in blue, first responders and all who assisted. Don't be shy with your thanks and words of gratitude.. Remember- - -every day you wake up is a great day... Paul Bray

Rocky Forge Blacksmith Guild

John Haley, our friend and member of both the Rocky Forge Blacksmith group and the Illiana Antique Power Association was killed in a recent tractor accident near his home in Oxford; In. John was 50 years old. He will be greatly missed by all who knew him.

He was always there to help, always asking "what can I do to help". Those who knew John realized he was a kind hearted hulk of an individual who could out lift any one of us.

He was just beginning to hone his blacksmithing skills this summer as he took a large step and volunteered to blacksmith on his own at the Tippecanoe Steam and Power show at the Amphitheater.

During one of his construction job layoffs, John had helped me build the stone steps from the back entrance to our home to the lower deck. The stones weigh in at around 300 pounds. I could never have done it without his help. He was a pleasure to work around. Unfortunately, the walk, steps and rail were just completed and John never saw the finished product.

John loved to cook and at the last Illiana meeting he brought a casserole that he was very proud of. His wife Becky had told him to cut back on the garlic as those people will not want as much as he did. The casserole was very good and only a small portion remained. He offered the remains to Carol and she told him he should take it home for his lunch the next day, so he did.

At the Illiana meetings John was usually standing near the rear of the room as it was crowded at most meetings. Remember the man with the beard, a big smile and always had on a red or white tee shirt that was Big John.

John was laid to rest on August 27th, with the Rocky Forge's newly ordained minister, Jim Keith performing the service. One of our IBA miniature anvils carefully placed in the coffin with him. Burial was August 29th near Marion, Indiana.

The next meeting of the Rocky Forge group will be at Ted's shop on September 10, starting with coffee and doughnuts at 8:30. Lunch will be blank, blank and blank, so bring something to go with it! (This ought to be good.)

Be sure to bring items for iron in the hat, your own blacksmithing tools and some coal. We will forge hot metal, tell stories about John and enjoy the day; you never know when it will be your last!

Ted

Wabash Valley Blacksmith Shop

Our August meeting was held on a beautiful day. About ten folks showed up with several forges running throughout the day. People enjoyed talking to each other and worked on assorted projects. John Bennett

brought a forged likeness of a Whitetail deer rack. He will be the demonstrator for the October IBA Hammer-In. Please notice that it will be held on the second Saturday of the month of October. In case you do not know of John, he recently won an award at a juried art exhibition of Terre Haute's Swope Art Museum. The article can be found here: http://tribstar.com/arts/x1227513469/Swope-features-regional-artists-reception-Saturday and a photo of the winning table can be found here: http://

www.johnbennettartistblacksmith.com/photo_album/47 For more photos of his work, check out his web-site: http://www.johnbennettartistblacksmith.com/



Maumee Valley Blacksmiths

The Maumee Valley Blacksmiths will meet this Saturday, September 3rd at 9:00 AM at our forge in Jefferson Township Park east of New Haven. I hope that you can make the event. Bring an item(s) for Iron in the Hat and plan to forge some hot iron.

Thanks to Mark Thomas who forged every day of the recent Steam Show. He had lots of people watching and asking questions as well as some buying. Also thanks to the other members who demonstrated. The first couple of days were really hot. Larry, I hope you recovered from the heat exposure. We all need to stay hydrated as we forge and also must be sure to listen to our bodies for any discomfort. Also, do not forget that a tightly closed shop can retain carbon monoxide from the coal fire and that this is a cumulative activity. Each exposure takes more healthy red blood cells out of circulation and it takes time for the body to replace them.

Thanks to Gary Phillips, President of the IBA for being at the hammer-in and to Bill Kendrick, the IBA News Letter Editor for coming to our August hammer-in at the Steam show. We always hope for more attendance, but were pleased to have them present.

If you plan to participate at the Maker Faire, please register. They will accept late registrations. They would like to have representatives from the MVB demonstrating.

We are scheduled to demonstrate at Salomon Farm on Friday and Saturday, September 23 and 24 for the Fall Harvest Festival. Please check you calendars and we will have a sign-up sheet on Saturday. It would be nice to have several demonstrations going at the same time, both inside and outside the building. Typically there are several school groups that visit Friday. Tell family and friends about this free show. It is really great for kids as well as adults.

We are also scheduled to demonstrate at the Toy Show at the steam grounds in Jefferson Park on Saturday, October 8th. Note that this is a change from the first Saturday of October of previous years. This allows the organizers to bring the tractor pulling contests and the Toy Show back to the same weekend.

Suggestions on how to improve our presence at all the events where we participate during the year are desired. As a member of the MVB I am looking for things to add or change in our demonstrations and exhibits and ways to make our efforts more educational and attractive.

The IBA president has asked that we try to have a representative from the MVB present at each hammerin. He feels that it is healthy to have more cross pollination (networking) between the various satellite groups. To that end he suggests that we move our Salomon Farm day to a Saturday other than the third Saturday since that is the regular date of each IBA hammer-in. I would entertain your thoughts on how to deal with this request.

Keep on Hammering Iron.

John cell 260-579-7303



4H Blacksmithing in Parke County

The following article and photographs were submitted by IBA members John Bennet and John Vanada.

4H Blacksmithing in Parke County just completed its fifth year. 19 members from first year to fifth year exhibited their projects at the fair (pictures below).

First year members learn basic skills and complete examples and an 'S' hook. Second year is a candle holder

and they make a punch and punch a hole for the candle cup.

Third year is a pair of tongs. Fourth year is a hammer and they make the chisel to slit the eye hole. Fifth year members make a project approved by the leaders.

Plans are under way to raise funds and build a shop on the fairgrounds.



Wire-handled Hot Punches And Chisels

by Robb Gunter

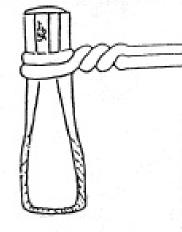
Reprinted from
Pounders Press Newsletter of
Southwest Artists and Blacksmith's
Association.

A few years ago Russ Swider introduced me to a fantastic tool steel for hot punches, hot chisels, and punch/drift combinations called ATHA PNEU S-1, manufactured by Crucible Tool Steel Co. and available from your local tool steel supplier or Crucible Tool Steel Company, P.O. Box 5248, Arlington, TX 76011. (817) 640-7777, Originally designed as a punch or chisel will come out of the bar with a visible duli red color and not have lost its cutting edge, and that's with an air spenched mod. Also, the bot darability of this shed allows the smith to forge it to a thinner cutting edge and not sacrifice strength.

I normally use 3/4" round stock for hot tools and on my first set I split and drifted eyes for wooden handles. This uses more of a fairly expensive tool steel, and wooden handled top tools always seem to be loose. Three inches of stock is adequate to nuite a tool with a lifetime handle made of 1/4" round rod, typical of some of the English flatters and punches. offort. You'll notice that ATHA-PNEU scales more than some others.

A suggestion for polishing your trade: 3M Products makes "Scotch Brite surface conditioning discs in at least 4 grits, which fit on your air grinder or 4" or 7" electric grinders. You won't believe how well they work, and once you've tried them, you'll probably find yourself polishing your anvil face and horn, a few hummers, and a host of other tools. The hardness of the steel matters very little to the "Scotch Brite" disc.

Straighten and parallel both 1/4" rods after twisting and make sure the handle is perpendicular to the tool. On the longer



drop forging die steel, it has some unusual characteristics which prove to be quite valuable for the blacksmith. First of all, it is extremely tough and durable material for hot/hammered applications. (AISI classification "S-1" is a shock-resistant tool steel). Look at its alloy analysis: 55 carbon, 2.75 tangsten, and 1.25 chromium. You'll know you have something tough when you first forge ATHA-PNEU.

Secondly, though by design it is an oil-quenching steel, it seems to work quite well as an air-hardening tool steel. In other words, forge it and use it. Perhaps the only negative aspect is the price -- 3/4" round delivered is usually around \$1.00 per inch -- but once you've tried it, the price doesn't seem so intolerable.

In some typical uses, when punching or slitting through 1" square bar stock, the

FORGE IT HOT - with 2.75% tungsten. If it's not yellow, "it just don't move." The manufacturer's recommended forging range is 1975 degrees F to 2075 degrees F. DO NOT forge below 1650 degrees F, so when it cools only to a good red, it's time to stop and take another heat. I forge about 1" of the end to an even octagon and then fuller two concentric 1/8" radius grooves into the stock about 3/4" from the end for handle attachment (See Figure 1). The 1/4" grooves can be ground into the stock or fullered but, which require making a double groove fullering tool. This tool can be an intricate hinged or guillotine type, but one made of 1/4" mild steel rod will get the job done (See Figure 2),

The remaining 1-3/4" of stock is plenty to draw out to whatever type of hot tool desired. For example: round, square, rectangular, oval or heart -- hot grooving or slitting chisels -- hot slit and drift combinations, hammer eye punch/drift tools -- No end! (See Figure 3).

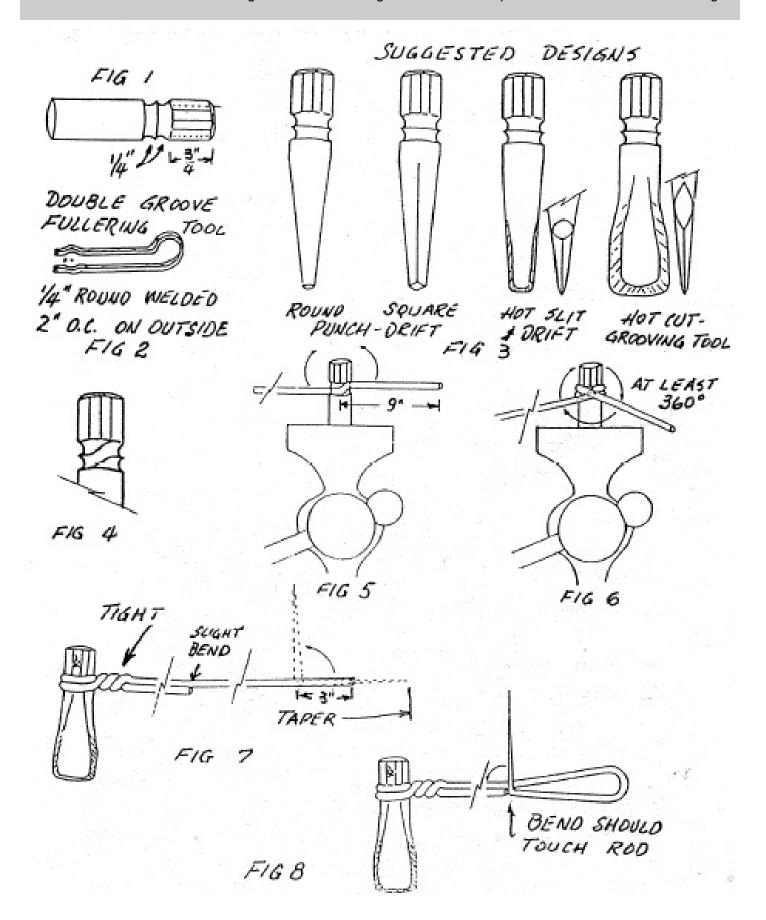
After forging, allow the tool to aircool. I recommend grinding or polishing away the scaled surfaces at least on the business end of the tool, as this allows it to slide through the hot iron with less handle rod, forge the last 3° to a long, consistent taper and then stand this entire tapered end up at right angles to the handle. Next, bend a slight angle on this longer rod at the point where the short rod ends (See Figure 7). Heat the center of the longer handle rod and form to a nice teardrop shape, returning the 3° tapered end to touch the shorter handle rod (See Figure 8).

Stand the teardrop handle up in the vise and wrap the tapered end around both handle rods, localizing the heat while wrapping. Reheat and thoroughly wire brush the handle. Then coat with wax or your favorite iron finish. Remember, it needs to feel nice in your hand.

One of the primary benefits of this handle design is that the two different length rods which make up the handle dampen and virtually eliminate any vibration traveling up the handle and into your hand — an important consideration on a metal-handled tool.

If you want to get fancy, a teardropshaped wood insert can be installed in the wire handle as it's being formed. Also, the same handle design can be used for larger tools by changing to larger rod sizes such as 5/16" or 3/8".

□



Proposed Changes to IBA By-Laws

The board of directors of the IBA plans to make two motions at the September board meeting that change the By-Laws of the IBA. Members, please notice that you get to vote on these two motions, but only if you are in attendance. So please attend the September board meeting.

The first motion is designed to allow the board to approve meeting minutes by email. As meeting minutes need to be approved by the board before they can get published in the Forge Fire, it currently takes about three to four months for the membership to see them. By allowing electronic voting, we hope that meeting minutes can be published in the newsletter immediately following a board meeting. This should improve board to membership communication.

The second motion merely corrects an inconsistency when it comes to gender equal language that exists throughout the by-laws.

Below, you will see the current reading of the applicable portions of the by-laws as well as the proposed changes. If you would like a complete copy of the by-laws, you can find them online at: http://indianablacksmithing.org/IBABylaws.pdf. Alternatively, your forge-master should have a copy or you may ask Farrel Wells for a copy.

Current reading of ARTICLE VII, DIRECTORS, Section 5: Action by Board of Directors Without a Meeting: Unless otherwise restricted by the Certificate of Incorporation or the By-Laws, any action required or permitted to be taken at any meeting of the Board of Directors or any committee thereof, may be taken without a meeting if all the members of the Board or the committee, as the case may be, consent thereto in writing and the writings are filed with the minutes of the proceedings of the Board of Directors or committee, as the case may be.

Motion 1: That ARTICLE VII, DIRECTORS, Section 5 be amended to read as follows. Changes are in bold and underlined.

Action by Board of Directors Without a Meeting: Unless otherwise restricted by the Certificate of Incorporation or the By-Laws, any action required or permitted to be taken at any meeting of the Board of Directors or any committee thereof, may be taken without a meeting if all the members of the Board or the committee, as the case may be, consent thereto in writing or by electronic communication and the writings or electronic communications are filed with the minutes of the proceedings of the next meeting of the Board of Directors or committee, as the case may be.

Current reading of ARTICLE VII, DIRECTORS, Section 7: Absence: Should any member of the Board of Directors be absent unreasonably from three consecutive regular meetings of the Board or if his excuse should not be accepted by the members of the Board, his or her seat on the Board may be declared vacant, and the Board may fill the vacancy according to Section 2 of this Article.

Motion 2: That ARTICLE VII, DIRECTORS, Section 7 be amended to read as follows. Changes are in bold and underlined.

Absence: Should any member of the Board of Directors be absent unreasonably from three consecutive regular meetings of the Board or if his or her excuse should not be accepted by the members of the Board, his <u>or her</u> seat on the Board may be declared vacant, and the Board may fill the vacancy according to Section 2 of this Article.

Trail of Courage Festival

Just a note to ask you to put a notice the Forge Fire inviting all your members to the Trail of Courage Living History Festival Sept. 17-18, 2011. Location: Fulton County Historical Society grounds, 4 miles north of Rochester on US 31 and Tippecanoe River.

Hours: 10 a.m. to 6 p.m. on Sat., 10 a.m. to 4 p.m. Sun.

Free admission for blacksmiths who help demonstrate in the Sutton – Terock blacksmith shop in the Living History Village beside the round barn at north end of the grounds. Also helping with blacksmithing in the festival area south of the river. There will be several blacksmiths set up with forges. Fred Oden has a wooden building for a blacksmith shop in Chippeway Village in the woods at south end of the grounds. Historic outfits must be worn by those working in the festival area.

Admission cost to those not demonstrating is \$6 adults, \$2 children age 6 to 11, free for children age 5 and under.

Pioneer foods are cooked over wood fires. Visitors can feast on buffalo burgers, chicken and noodles, barbecue, ham and beans, fish and chips cooked in big iron kettles, fry bread and Indian tacos, apple dumplings, corn on the cob, apple sausage, turkey legs, and more, including ice cream, one of George Washington's favorite treats. Local clubs cook and serve these historic foods to raise money for their projects. Beverly Jackson and family, Rochester, do the barbecue and sweet potato pie, and also exhibit a frontier African-American house. Mark Gropp family brings homemade fudge. Many people come to the festival just for the delicious food!

Shirley Willard, Fulton Co. Hist. Soc.

Special Hammer In October 29

A Hammer In will be held on October 29,2011 to honor Ron Tincher for his many years in blacksmithing. A pitch-in lunch will be served so please bring a full covered dish. All are welcome friend or foe. Plan on having a good time and fellowship with good food.

The address is 16139 North 500 East, Elnora, Ind. From the map I was given you take highway 57 out of Elnora toward Newberry then you can take 1500 1600 South and the shop is located at the above address. Any questions please call Jerry Robinette at 1-812-692-5146. So mark your calenders now.

October Blacksmith Classes at Conner Prairie

There are four classes that I think would be of especial interest to the blacksmithing group. There is a basic blacksmithing class on Oct. 8 & 9 that I will be teaching. This is a great intro class, or also would be good for a beginning smith wanting to hone skills. There is also a tinsmithing class with Mike Runyon from Sauder Village in Ohio. This promises to be a great class. It is on Oct. 8 & 9 also. There are also two knife making classes. I will be teaching how to make a folding knife and Melvin Lytton will be teaching a traditional forged knife class. These are on Oct. 12-14. Additional information for these and other classes are on our website. www.connerprairie.org.

Nathan Allen

Manager of Historic Trades and Maintenance

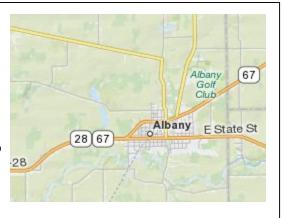
Please check your membership renewal date on the Forge Fire address label. If your membership has expired this will be your last issue.



Address Correction Requested If Undeliverable return to sender With original address legible First Class Mail

September 17 Hammer In & Board Meeting Gary Phillip's Shop

14800N State Road 167, Albany, IN 47320 (From Muncie take SR67 North to SR167 North. Shop is about 3/4 mile North on SR167)



October 8 Hammer In

Wabash Valley Blacksmiths

Fowler Park, Terre Haute

From I-70 exit, take US-41 South 5 miles. Turn left on East Oregon Church Rd and travel 1 mile to Fowler Park

(Note this Hammer In is on the 2nd Saturday)