

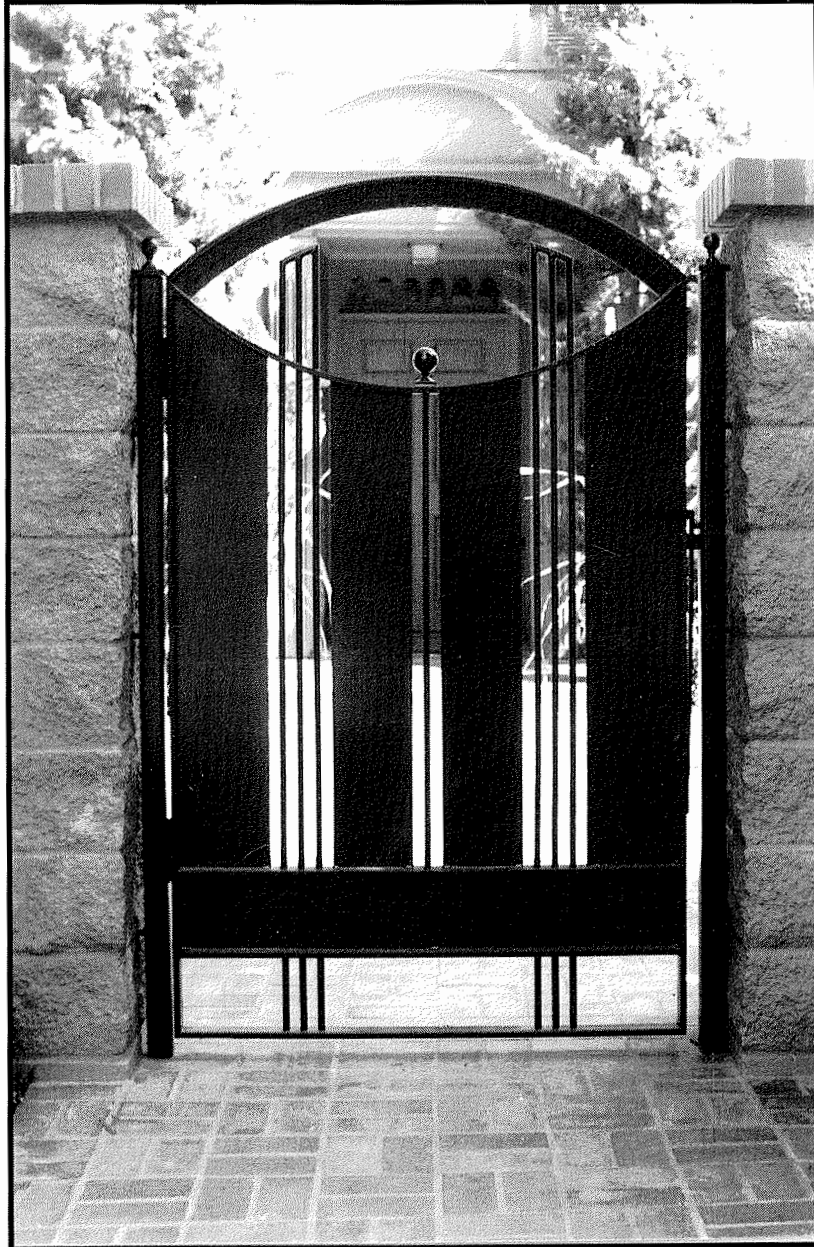
CHAPTER OF ABANA

# Hot Iron News

Voice of the Northwest Blacksmith Association

Spring 1996

\$4.00





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14 Incher Long  
 THE LIVINGSTON CO.  
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## N.W.B.A. OFFICERS AND BOARD MEMBERS 1995

*Hot Iron News* is the official quarterly publication of the Northwest Blacksmith's Association. Submission of materials for the magazine is eagerly encouraged and may be sent to the editor, Gene Chapman. Dead-line for submissions are February 15, May 15, August 15 and November 1. Other ABANA Chapters, blacksmith associations, and non-profit educational metals oriented groups have permission to reprint non-copyrighted materials found within the covers of *Hot Iron News* as long as credit is given to the authors, the magazine and NWBA. The Northwest Blacksmith's Association, and the Hot Iron News 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 article in the *Hot Iron News*. The *Hot Iron News* makes every effort to insure the accuracy of the information contained the articles published herein, but the use of any material or information is solely at the user's own risk. The *Hot Iron News* assumes no responsibility or liability for the accuracy, fitness, proper design, safety or safe use of any information, technique, materials, tool design, use, etc., contained herein.

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**Front Cover**

Gate made by 47 Productions for the Campbell residence.



# From the President

**O**ops! Almost late in getting this "Prez Sez" to our illustrious **Hot Iron News** editor..... But it is Gene's fault!

It was more fun down in the shop forging a knife out of a semitrailer leaf spring (5120 steel)....than to sit down and write this and....it was one of Gene Chapman's bladesmith workshops that provided the incentive to do the knife!

N.W.B.A.'s greatest asset is our members' skills....and their willingness to share in workshops, demos and one on one exchanges. Exciting changes are underway to add new opportunities to increase one's skills and knowledge.

The "Scholarship Program" has been revised to a "Grant System". Assistance is equally open to all members. Recipients are asked to write a **Hot Iron News** article on their experience....and "encouraged" to demonstrate what was learned. Contact Dennis Prince, Barney Coski or Ralph Hinds for more info.

The new N.W.B.A. lending library of books and videos will make it's debut at our spring conference in St. Helens. The success of our few existing offerings and a review of the library program operated by the Rocky Mt. smiths convinced your board to make a major library offering available.

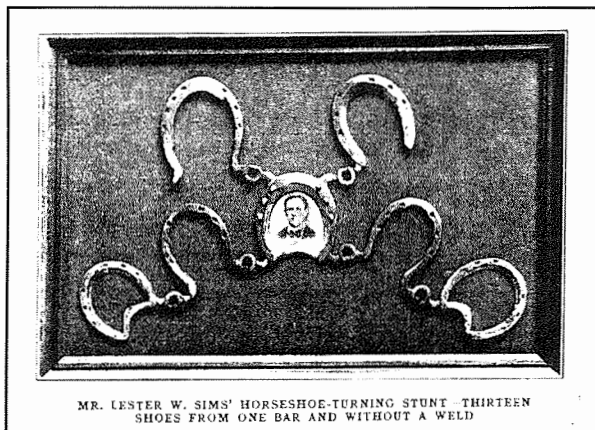
Ideas to make workshops and open shops easier to arrange are encouraged. Matthew Tilton has undertaken the responsibilities of "Workshop Coordinator" with Gene Chapman's assistance. They are updating the forms and instructions on holding a workshop. Open shops also can be coordinated with Matthew.

- **Opportunities**
- **New Skills**
- **Education**
- **Experiences**

Some great...some as small as how much forging it takes to draw a knife blade out of a 3/4" x 4" leaf spring, but all creative experiences.

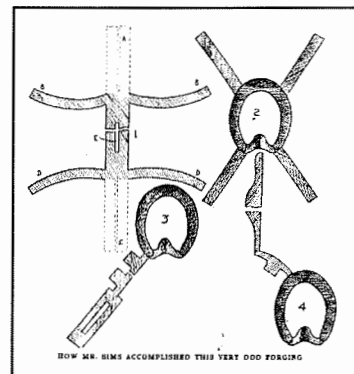
Good Forging !

**Don Kemper**



MR. LESTER W. SIMS' HORSESHOE-TURNING STUNT - THIRTEEN SHOES FROM ONE BAR AND WITHOUT A WELD

Reprinted from The American Blacksmith,  
Nov. 1914



Mr. Lester W. Sims' horseshoe-turning stunt--thirteen shoes from one bar and without a weld.



# TIDBITS

## NEW MEMBERS

Adelman, Doug - Big Sky, MT  
 Askins, Jerry - Palouse, WA  
 Black, Tim - Seattle, WA  
 Bryant, Fred - East Wenatchee, WA  
 Budrow, Eric - Everett, WA  
 Call, Andrew - Arcata, CA  
 Carpentier, Paul - Moses Lake, WA  
 Christensen, Paul- Allyn, WA  
 Clark, Phil - Pender Is., B.C.  
 Coello, George - Roseburg, OR  
 Daniels, George - Winthrop, WA  
 Dorsey, Lee - Anacortes, WA  
 Dycus, John - Kent, WA  
 Farahbakhchian, Abbas - Port Coquitlam, Canada  
 Farley, Paul - Sequim, WA  
 Gathmann, James - Renton, WA  
 Gyre, Jason - Everson, WA

Johnson, Richard, Bellingham, WA  
 Laughlin, Clyde - Seattle, WA  
 Maxwell, Bill - Branscomb, CA  
 Minnich, Anne, Philomath, OR  
 Moore, Eric - Belfair, WA  
 Moxley, Dean- Portland, OR  
 Quackenbush, Loyal - The Dalles, OR  
 Miller, Randy- Lynden, WA  
 Quaglia, Larry- Portland, OR  
 Scott, Evan- Wauconda, WA  
 Smith, Craig - Clackamas, OR  
 Tilzer, Edward - Puyallup, WA  
 Whisenant, Roy - Grants Pass, OR  
 Wingate, William - Seattle, WA  
 Wyvern Industries - Prospect, OR  
 Young, Morgan - Snohomish, WA

*Welcome!*

## HAMMER-INS

An old idea is always good to try again and so it is with the "Hammer-In".

The basic form of Hammer-In is simply an open shop at someone's place for a single day (or afternoon) with no assigned demonstrator but rather a fun day of problem solving and a chance for some real hands-on time. All feedback from these events has been positive.

Rick Dunkerly has scheduled one or two and early on Jeffrey Funk held a few and currently Dave Brandon is hosting one a month. This form of sharing can be the vital link for new and old smiths to join together in a sharing experience.

Could this answer some of the problems of the extreme mileage we face in the N.R.B.A.? Could you host one in your area? Try it . . . you'll like it!

. . . **D.B.**



## Letters to the Editor

**The Warmth of the Workshop . . .** continues long after the tools and projects have cooled. The warmth is inside. I refer to my first N.W.B.A. workshop - the January Novice I held in Jerry Culbertson's Old Cedar Forge near Allyn.

Most of us arrived by the start time. The few who got in late had less time for self-directed work in order to finish the required projects. The first of the projects created a punch and a walking hot chisel. We used those tools to create later projects, a pair of Poz tongs and a fireplace poker.

To paraphrase Will Rogers, I never met a smith I didn't learn from. In the case of this workshop, I learned some techniques that make some everyday tasks easier. The periods of work were interspersed with demonstrations from the instructors. Jerry worked through some intense back pain and demonstrated a number of activities, most of which we tried to copy but even after twice the work, any similarity was merely coincidental. Was it that we were so bad? I think it was just that Jerry was so good. The important thing was that we learned from it.

We were introduced to many concepts and ideas. Some of them were new to me. As a coal-burner, I was excited to learn about propane forges. We got opportunities to use Jerry's Little Giant power hammer and saw a demonstration of his BIG hammer - the "neighborhood shaker."

When time allowed, Jerry would slip out and run over to the house to stir the pot for whatever it was that he was preparing for the main course of the next meal. The food was adver-

tised to be good and plentiful. It exceeded the advertising. Jerry's wife, Ina, was a gracious hostess, preparing meals and cleaning up while making all the intruders feel welcome and insisting that we sign the guest books.

Ina gave a tour of the custom-built house to those who wanted to go. Most did. Jerry's handiwork was everywhere. We examined each piece and marveled in the workmanship. The front doorknob with its anvil-shaped background plate gave us an indication of what to expect. The house, with the 28.5 foot living room ceiling set of against 93 tons of rock in the fireplace, was fascinating. Jerry had trouble getting us out of the house to continue the workshop after Saturday's dinner. We got to see a tape that had been made at his forge and talked a lot about many things. That was also a meaningful part of the warmth - those who you worked closely with for the time.

Thanks, Jerry, I'm looking forward to the Novice II.

Ray Baker, Olympia

### **PROPOSED NOVICE III WORKSHOP AT OLD CEDAR FORGE**

Jerry Culbertson is game for a workshop for those who have taken a previous Novice Workshop and want guidance in specific areas of blacksmithing, i.e., scrolls, joinery, house iron, etc. If interested call:

**Jerry Culbertson at [360] 275-6769**

**OR**

**Gene Chapman at [360] 297-2495.**



## NWBA BOARD MEETING

January 13, 1996

Meeting was called to order at 10:00 a.m. by President Don Kemper.

Present were: Don Kemper, Ralph Hinds, Kent Rudisill, Tom Richards, Barney Coski, Jerry Henderson, Ike Bay, Grant Sarver, Bill Carroll, Berkley Tack, Matthew Tilton, Gene Chapman & Dennis Prince. Board members absent were: D.J. Stull & Terry Willis.

Minutes of October 13, 1995, meeting were approved.

Results of the By Law revision election were 31 yes, 3 no, and 1 impeach Newt. Ralph Hinds and Matthew Tilton were officially welcomed as Board Members. Congratulations Guys!!

D.J. called since he was not able to attend and said that because of a lack of time he would have to step down as Vice President. It was decided that at this point we would not try to fill the position until at least the next meeting.

Kent is still working on job descriptions for officers and is waiting for some late comers to get the descriptions to him. (You know who you are! Please get it to Kent)

Dennis and Matthew are going to check with our insurance agent and get a good description of what and how our insurance covers sanctioned events, i.e., open shops and workshops and get a copy to Gene so it can be published in the Hot Iron News.

Kent is going to work with Ike and see if Jerry Kagele will assist on finding out if we are up-to-date on our non profit status.

Gene is still working on the new member packet and it sounds as if it will be very complete and be punched and in a binder so it can be more easily added to and updated. It will hopefully be ready for board review by June.

Treasurer's Report: Balance as of December 27, 1995 was \$16,072.21. Any expenditure reimbursements need to be complete with the amount,

date, what was purchased, and if it's for a specific event or project, or it will not be paid until that information is obtained.

Matthew is taking the job of Workshop Coordinator and he and Gene are going to work up a "How To" packet. It is very important that all workshop participants sign a liability release form and these be saved for seven years. Each member will be receiving a membership card that shows when their membership expires to make it easier for someone putting on a workshop or event to verify that someone is a current member. At this point two Novice II workshops are scheduled for February 16, 17, 18, and March 9, 10, and 11.

The Grant Committee is now Dennis, Ralph, and Barney. There will be a couple of changes on the Grant form and no one person shall receive more than \$250.00 with a total of \$1,000.00 maximum per calendar year.

Spring Conference will be held at St. Helens Fairgrounds on April 12, 13, and 14. The paperwork for the usual buildings is completed. Paul Thorn, Grant Sarver, and Dave Brandon will be our demonstrators. Jerry is going to check on getting the pavillion for dinner and the auction. It was decided the dinner for Saturday night would be altered. It has become too big of a job to ask the gracious people who have done the meals in the past to continue to do. Vernelle will check on a caterer. To help offset the increased price of catering, conference fees will be raised to \$50.00 for members and \$10.00 per family members over 10 years old.





**NWBA BOARD MINUTES (continued)**

While dogs are man's best friend, we decided that they don't go well at a blacksmith conference. We are asking people to leave their dogs at home, or if they have to bring them, to keep them in or tied to their vehicle at all times. We will be enforcing this.

Fall Conference will be held at Russ Jaqua's shop in Port Townsend on October 4, 5, and 6. Dennis Proska and Mike Bondi will demonstrate and Alex Montgomery may be doing a cast iron demonstration and pour. Terry Willis is the new conference coordinator and needs to contact Gene about the fall demonstrators. Also a "How To" packet needs to be put together for procedures for putting on a conference. It was finalized that guest demonstrators could receive up to a maximum of \$1,000.00 plus air fair and local demonstrator would receive a flat fee of \$500.00 for the entire conference. Tom Richards is now in charge of badges. Grant will print up the paper that goes into the badges and Tom will put them together.

Adjourned for lunch 12:10 . . . Called back to order 2:00.

Editor Report: There is \$476.00 in the checking account. It will be announced in the next issue that a new roster is being published and if any member has any changes to please get them to the editors quickly.

Kent reported that it would be \$7.50 per month for seven megs of space on the Internet through Oregon State University. It was decided that would try it for a year and see what happens.

Dennis will be checking into the possibility of getting a trailer to store and transport association assets and report back to the Board.

It was decided that Don could spend up to \$1,000.00 a year on the library and try to have as much of the library as possible at each conference so members can see what is available to them.

We are working on setting up a building fund and checking into the possibility of a permanent building for a training site or maybe a portable shop in a trailer. We will work on this more later.

The next board meeting will be at the Spring Conference with the summer meeting tentatively set of July 13, 1996 at Don and Diane Kemper's.

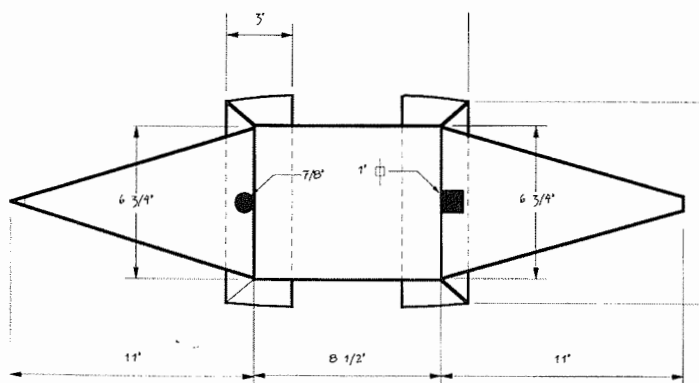
A special thanks to Don and Diane for hosting this meeting.

Respectfully submitted,

Dennis Prince

**Anvils-Anvils-Anvils**

The latest word on the Gladiator anvils. A test anvil is to be poured, heat treated and tested before pricing. Contact Russ Jaqua, 1119 Blaine St., Pt Townsend, WA 98368 for an update. 360-385-5272







# N.W.B.A. Workshop Grant Application

Name \_\_\_\_\_ Signature: \_\_\_\_\_

Business Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: (Hm) \_\_\_\_\_ (Wk) \_\_\_\_\_

**Note-Maximum grant is \$250 per person, per year.**

What event (workshop/class/function) are you applying for?

\_\_\_\_\_

Date of Event: \_\_\_\_\_

Why do you want to attend this Event? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. How long have you been blacksmithing? \_\_\_\_\_

2. How long have you been a N.W.B.A. member? \_\_\_\_\_

3. Do you have a blacksmithing speciality? \_\_\_\_\_

4. What are your goals for blacksmithing? \_\_\_\_\_

\_\_\_\_\_

5. How soon after the workshop will you send an article to the Hot Iron News editor? Date: \_\_\_\_\_

6. When could you give a demonstration (this is optional) of something you learned at the workshop? (Such as N.W.B.A. conference - - midnight madness - - a workshop or other) \_\_\_\_\_

In accepting this grant you agree to write an article for the Hot Iron News, and, if interested, give a demonstration on something you learned at the workshop.

**Return this form to the N.W.B.A. Secretary, Dennis Prince,  
695 S.W. Bear Dr., Madras, OR 97741, (503) 475-6505.**

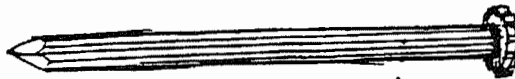
**North West Blacksmith Association**



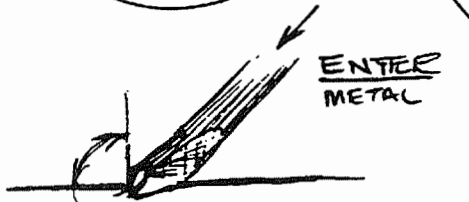
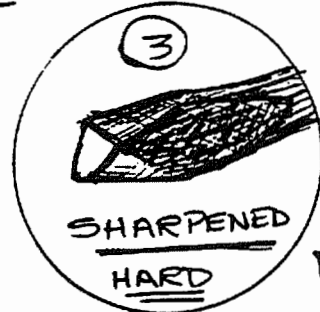
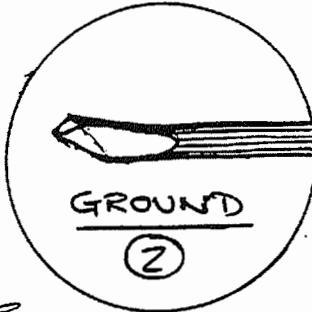
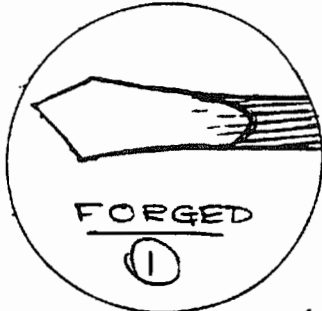
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BILL HOWARD  
DEMONSTRATOR

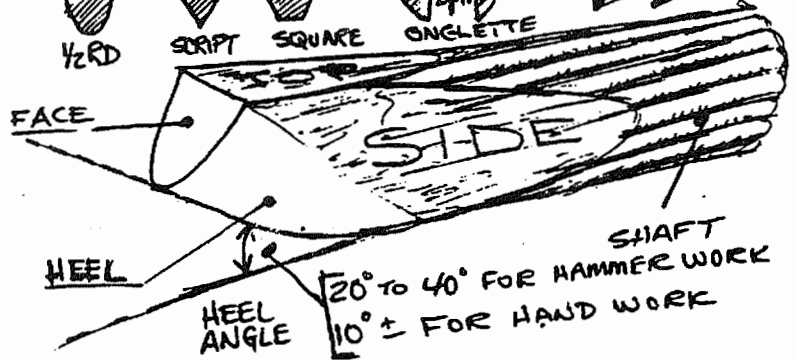
STOUGATON, WISC.  
608-873-5199



4" CONCRETE NAIL

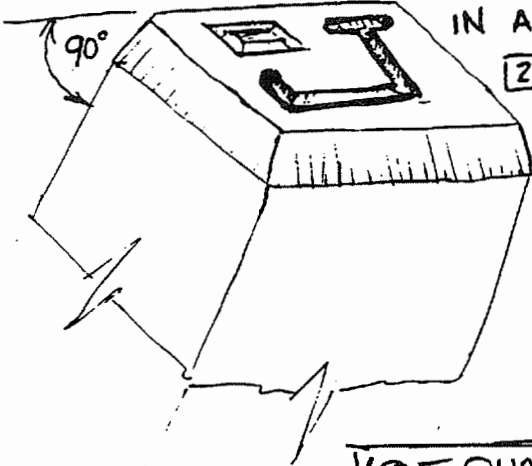


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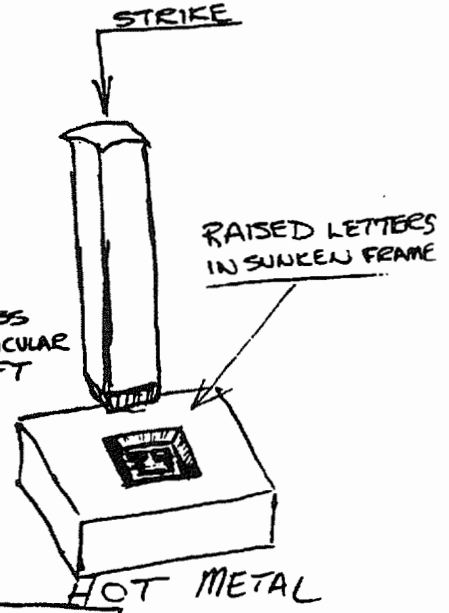


## PUNCH

1 CUT LETTERS ETC., REVERSED IN ANNEALED STOCK



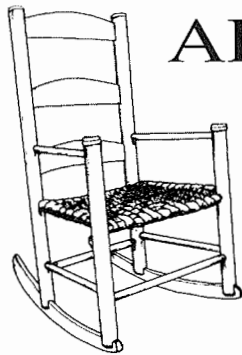
2 HARDEN AND TEMPER PUNCH  
3 SHAPE AND DRESS FACE PERPENDICULAR TO PUNCH SHAFT



'95 QUAD STATE ROUND UP

Reprinted from The Blacksmiths' Guild of The Potomac Newsletter, Nov/Dec 1995

North West Blacksmith Association

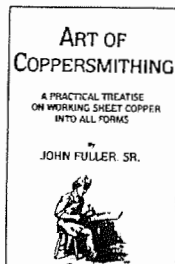
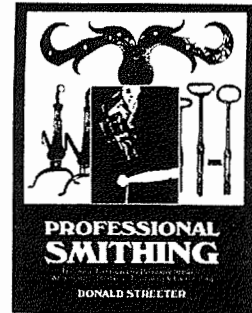


# ARMCHAIR BLACKSMITHING



## PROFESSIONAL SMITHING Donald Streeter

This is one of the very few manuals written by a recognized professional smith; in this case one with over 50 years experience, whose work appears in hundreds of restorations throughout the country. The book has long been unavailable and a collector's item; this eagerly awaited reprint completely reproduces the original edition. Here traditional smithing techniques are presented in clear, step-by-step text and photographs, enabling the reader to produce high-quality, hand-forged small iron work. Included are detailed descriptions of work space layout, specialized tools and techniques, whitemithing, toolmaking, and locksmithing. Mr. Streeter demonstrates not only how things are done, but how they can best be done by others. There is special emphasis on the crafting of early high quality, hand-forged kitchen utensils, fireplace tools, locks, keys, and decorative ironware: hinges, hasps, latches, bolts, hooks, springs, and more. Students and professional and semi-professional smiths will find this volume of great practical value, as will collectors of early American ironwork, owners of colonial houses, historians, preservationists and restorationists—in fact anyone interested in knowing how these early products were made. 144 pages. 257 illustrations. 8½" x 11". Soft cover. \$22.95.



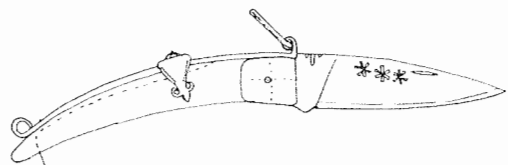
## ART OF COPPERSMITHING John Fuller, Sr.

Written in 1893 by one of the leading practitioners, this book has come to be recognized as the classic work in its field. All aspects of this important craft are covered, from the making of household copper goods and ornaments, to copper piping, three- and four-way expansion joints and double bends, brewery, locomotive, and ship installations—from the simplest, to the most complicated and demanding work. Over 474 illustrations and completely indexed. 352 pages. 6" x 9¼". Soft cover. \$25.00.

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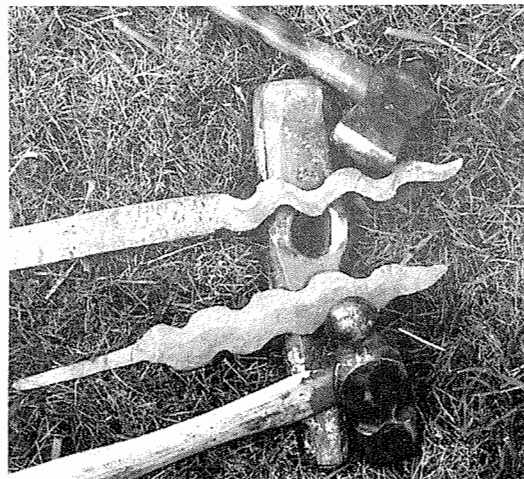
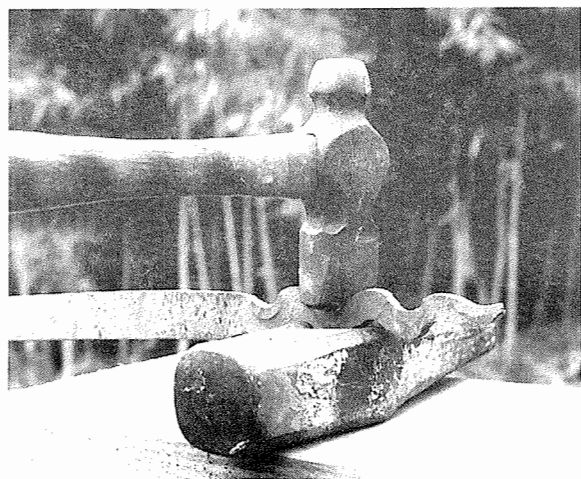
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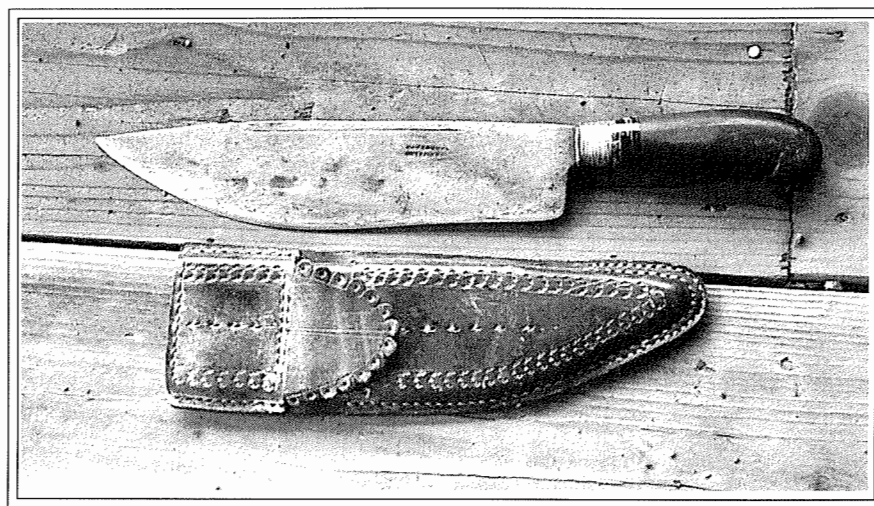
## Bladesmith Corner

### Forging the Wave



Wayne Goddard's method of forging the wave in a kris. Put your thinking caps on, this has other possibilities for decorative work, eel skewers and ???

### Sayula Knife



Dan Street lives in Coupeville WA. He attended the January Novice Workshop and had a working knife in his camper from Sayula, Mexico. Sayula is a little town North of Puerto Vallarta on Banderas Bay. The blade is forged from a car spring, about nine inches long, and has a horn handle. The tang passes through a washer and is peened over. Brass wire is wrapped around the handle for a ferrule. Dan has a whole collection of Sayula knives at home. Looks like this would do for almost any chore.



# Upcoming Events

## N.W.B.A. Spring Conference - April 12-14, 1996

N.W.B.A. Spring Conference at St. Helens fairgrounds with demonstrators Paul Thorne, Artist Blacksmith from Anacortes, WA and Grant Sarver, Heavy Hammer Smith from Tacoma, WA. Paul's Seal Gates were on the last Hot Iron News cover. He will be a new treat for us. Grant "makes a nice pair of tongs" Sarver will have his "Kick Ass" power hammer and will demo tooling. Last minute change Babe Brandon will split the demo time with Grant. Dave will demo on the Kick Ass 75 some of his favorite Montana tricks.

## Northern Rockies Blacksmith Association and Northwest Blacksmith Association Special Spring Conference - May 17-19, 1996

N.W.B.A. and N.R.B.A. joint Spring Conference at Dave and Babe Brandon's farm nestled in the beautiful Bitterroot Valley, Stevensville, Montana. The N.W.B.A. was invited to attend the Northern Rockies Blacksmith Association Conference at the Spring meet in Winthrop. The N.W.B.A. board has sanctioned the event and will help sponsor the N.R.B.A. Spring Conference. This way N.W.B.A. members can attend and support the conference without joining the N.R.B.A. Any proceeds from auction items donated by N.W.B.A. members will go to the N.R.B.A. Jerry Culberson is scheduled to be one of the demonstrators. This will be one heck of a shindig. (Wayne Goddard and I were over that way several years ago. I'd rate it as one of the best places for a conference ever. More to follow in the Spring issue. ed)

## ABANA Biannual Conference

**June 26/30** at Alfred, NY will be the site of ABANA's biannual conference. Demonstrators and info on page 39. Note N.W.B.A.'s Dave Thompson will be doing a demo at the Alfred conference.

## Historic O'Keef Ranch Blacksmith Get Together

Vancouver Island Blacksmith Association is in touch with blacksmith groups in Alberta, Montana, Washington/Oregon (NWBA) for a three day hammer in at the Historic O'Keefe ranch in Vernon, B.C. **June 29,30 and July 1**, located in the beautiful Okanagan Valley. At one time the ranch had over 20,000 acres, but now is 50 acres in size and a historic site. The hammer in is looking for three volunteer demonstrators from each group. Demos will be 1/2 hour to one hour in length. If you have a hankering to see some beautiful country, watch hot iron, meet new friends, put this on your to do list for the summer. If interested in doing a demo contact:

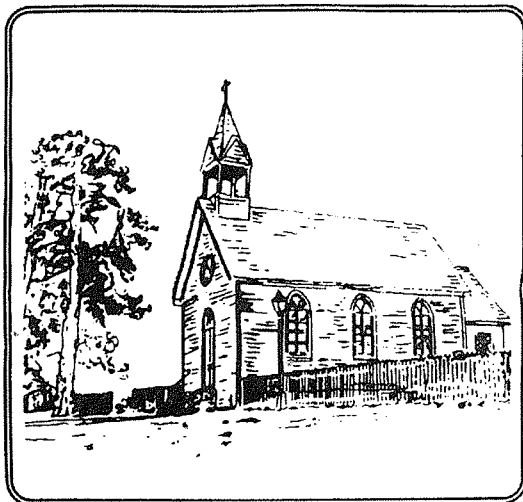
**Skip Kennedy**  
4907 Rocky Pt. Rd., R.R.#2  
Victoria, B.C. V9B5B4  
(604) 478-8172

The Historic O'Keefe Ranch, Box 955,  
Vernon B.C. V1T 6M8 (604-542-7868)

**North West Blacksmith Association**

# Upcoming Events continued

Visit  
**HISTORIC  
 O'KEEFE  
 RANCH**



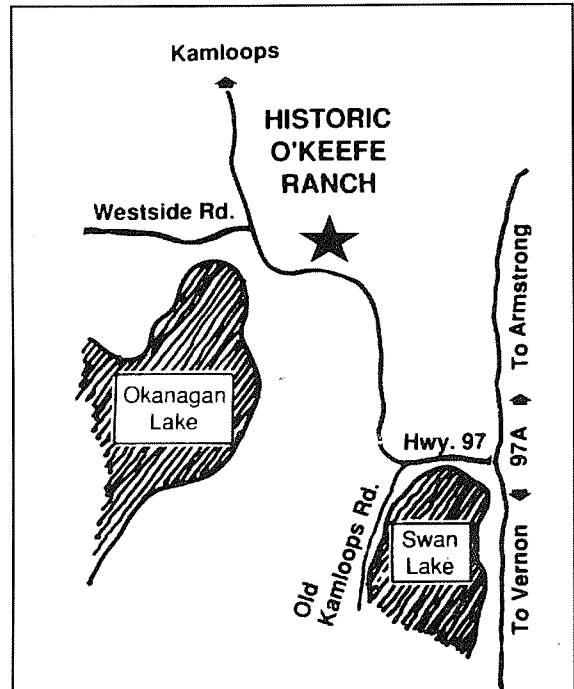
*Located in the  
 Municipality of Spallumcheen*

— OPEN DAILY —  
**MID MAY TO THANKSGIVING**  
 9 a.m. to 5 p.m.

**THE HISTORIC O'KEEFE RANCH**

**BOX 955  
 VERNON, B.C. V1T 6M8**

**TELEPHONE: (604) 542-7868**



**N.W.B.A. Fall Conference  
 October 4, 5, 6, 1996**

Russ Jaqua's new forge in Port Townsend is the scene for the fall conference. His new shop is in an industrial area with plenty of room but no cooking and dance facilities. Won't be like Winthrop but we may call in the local National Guard with cook tents, latrines, USO and bugles in the morning for life in the boondocks. **Mike Bondi** and **Dennis Proska (Heavy Hammer Smiths)** will be demonstrators. A **cast iron pour** by **Alex Montgomery** and crew is also anticipated from a portable cupola. Hey man, some heavy stuff going down at Jaqua's shop this fall. *Be there*

FAWS is the Farriers Association of Washington State

**North West Blacksmith Association**



## Blue Moon Hammer In

John Loeffler of Blue Moon Studios is starting a **monthly** "Hammer-In". John moved from Missouri several years ago. He said, "There are quite a few regional get togethers or 'hammer-ins' in Missouri and they are very popular."

Subject matter will vary from chalk talks, demos and hands on involvement. You will be asked to sign a disclaimer at each event. If interested, contact:

John Loeffler  
 Blue Moon Studios  
 10090 Main St.  
 Peshastin, WA 98847  
 (509) 548-4754

### FAWS Clinic: "Keg shoes vs. Handmade, the Everyday Story"

March 16, 1996 Antigo Eq. Center, Bow, WA  
 Contact Debbie Wetmore 360-668-4132

## California Blacksmiths Association

### Spring Conference

**March 14 - 17, 1996**

**Tulare, California**

**[between L.A. and San Francisco]**

Lectures, demos, galleries, artistic and functional blacksmithing, tools and equipment, classes, discussion exchange. If you are serious about blacksmithing . . .

**be there!** For more information call CBA Spring Conference at [209] 688-4766.

### Late arrivals

Ozark Blacksmith Conference  
 May 3-5, 1996 Potosi, MO  
 Contact Maurice Ellis  
 314-766-5346

Montana Professional horseshoer's contest.  
 Aug. 8-11, Missouls Mt.  
 Scott Davidson 509-466-1268

FAWS annual clinic/convention  
 Sept 27-29, Ellensburg, WA  
 Debbie Wetmore 360-668-4132

#### Farriers

May 15-18 Northern Calif. Classic  
 Placerville, CA  
 Ron Stafford 209-392-0260

AFA Certification  
 June 8-9  
 Chehalis WA

Wally Johnson 206-392-0260





# 1996 Hot Iron Calendar

January 1996

S	M	T	W	T	F	S	
	1	2	3	4	5	6	Jan 5/7 Novice Workshop
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	Jan 19/21 Novice II Workshop
21	22	23	24	25	26	27	
28	29	30	31				

February 1996

S	M	T	W	T	F	S	
				1	2	3	
4	5	6	7	8	9	10	Feb 9/10 Novice I Workshop
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29			

March 1996

S	M	T	W	T	F	S	
					1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	
31							March 16, FAWS clinic

April 1996

S	M	T	W	T	F	S	
	1	2	3	4	5	6	Oct. 4,5,6 Fall Conference,
7	8	9	10	11	12	13	April 12/14 Spring Conference
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30					

May 1996

S	M	T	W	T	F	S	
		1	2	3	4		
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	May 17/19 NWBA & NRBA Joint Conference
19	20	21	22	23	24	25	
26	27	28	29	30	31		

June 1996

S	M	T	W	T	F	S	
						1	
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	June 26/30 ABANA Conference
30							June 29, 30, and July 1 O'Keefe Ranch

July 1996

S	M	T	W	T	F	S	
	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	31				

August 1996

S	M	T	W	T	F	S	
					1	2	3
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	

September 1996

S	M	T	W	T	F	S	
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8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

October 1996

S	M	T	W	T	F	S	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31			

November 1996

S	M	T	W	T	F	S	
					1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	

December 1996

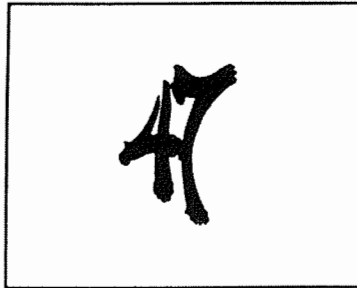
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8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31					

**Monthly hammer-in at  
John Loeffler's  
Blue Moon Studio  
10090 Main St.  
Peshastin, WA 98847  
(509) 548-4754**

**WORKSHOPS, HAMMER-INS, BLACKSMITH  
BAR-BE-CUES, CONTACT THE HOT IRON  
NEWS AND GET IT PUBLISHED.**

**May The Forge Be With You**

**NorthWest Blacksmith Association**

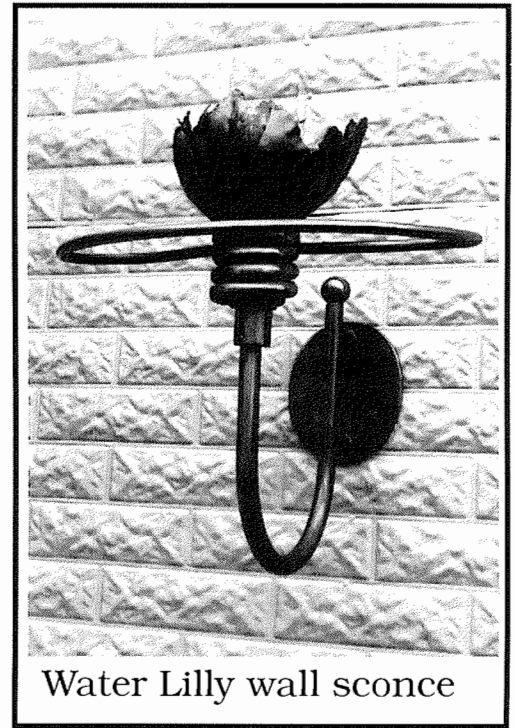


**FORTY SEVEN  
PRODUCTIONS  
INC**

# Blacksmith Tour

47 Productions is owned and operated by Steve and Charlotte Humphrey. They employ 16 people of which 4 are blacksmiths. A 6600 square foot building includes

office, showroom and a 5000 square foot shop area. The blacksmith area has a 75# Kuhne air hammer, three gas forges, several anvils, walls full of bending and scroll fixtures, large heavy plate layout/work tables, and mig/tig welders handy for use. The blacksmiths' hot work composes about 30% of their time, with the remainder, layout and general fabrication. The shop has a sandblast booth, paint and patina room, large storage racks and two pets that live in the slack tub, rubber frog and duck. Their product line includes architectural details, furniture and lighting. A visit to their showroom is

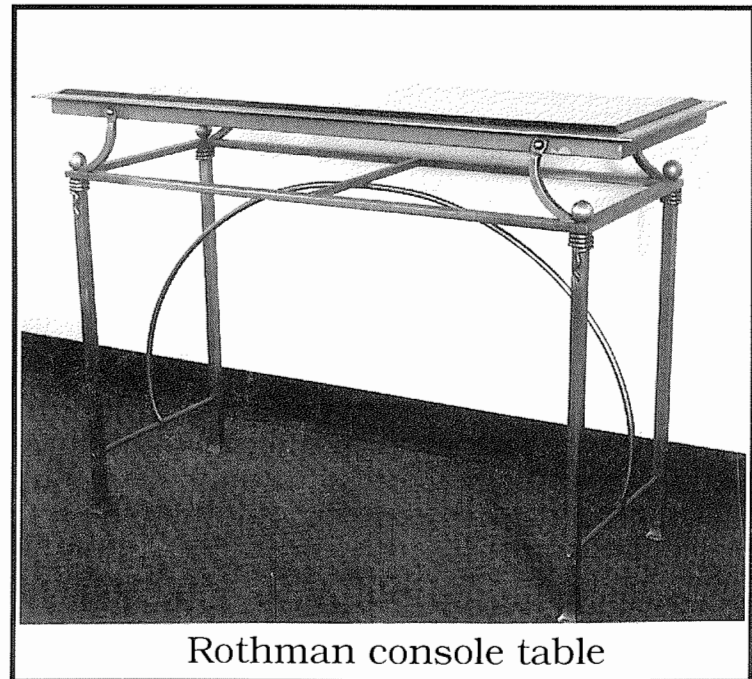


Water Lilly wall sconce

an education in itself. Sample and completed pieces abound in the well lighted showroom with voluminous photo albums of past works.



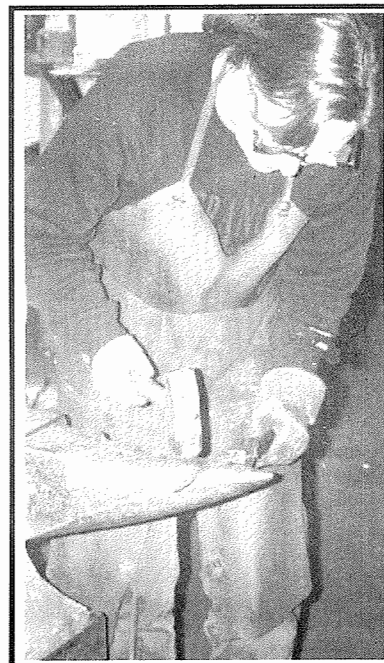
Sundial occasional table



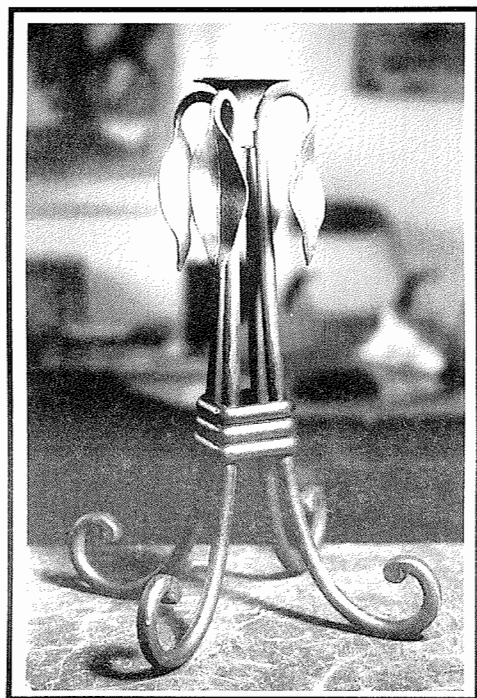
Rothman console table



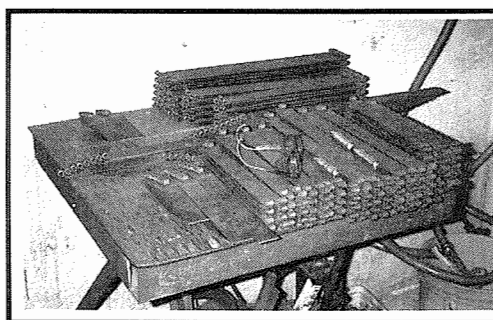
Charlotte Humphrey, Molly Alter and Art Donnelly



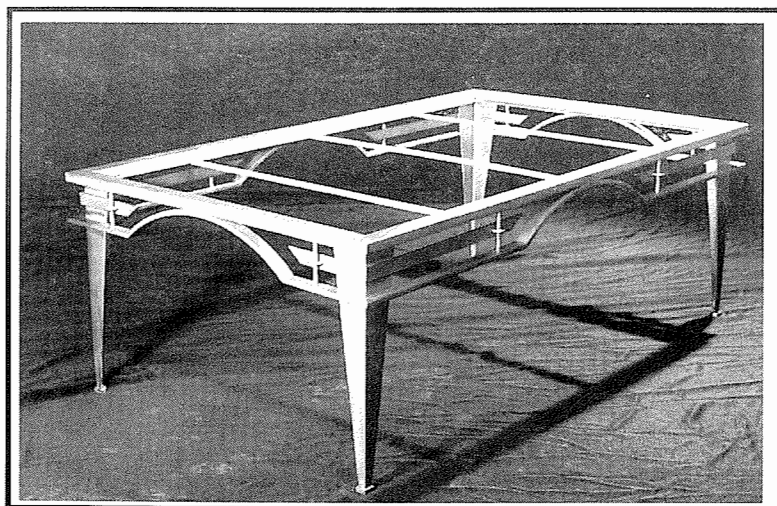
Laura Goemaat forging



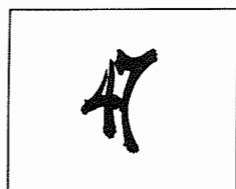
Moroccan table lamp



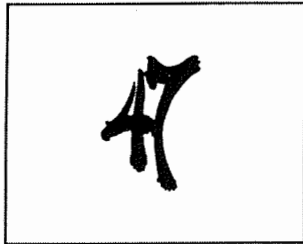
Hinges awaiting assembly



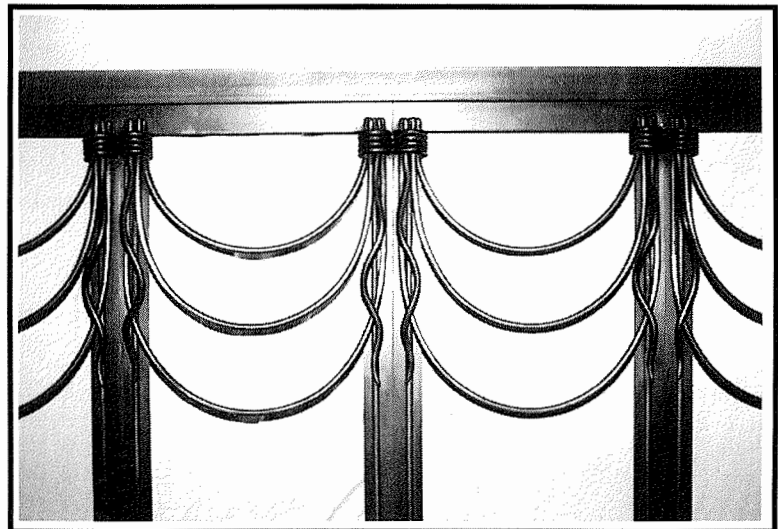
Precise coffee table



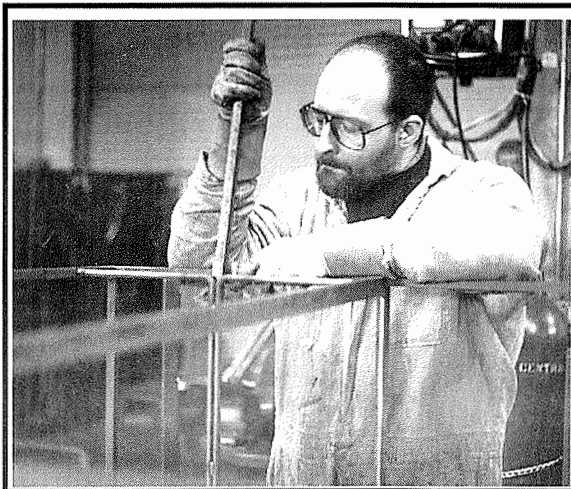
FORTY SEVEN  
PRODUCTIONS  
INC



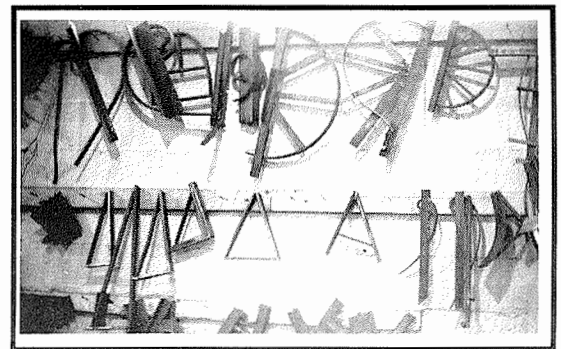
**FORTY SEVEN  
PRODUCTIONS  
INC**



Swag fireplace screen



Scot Loflin positioning work

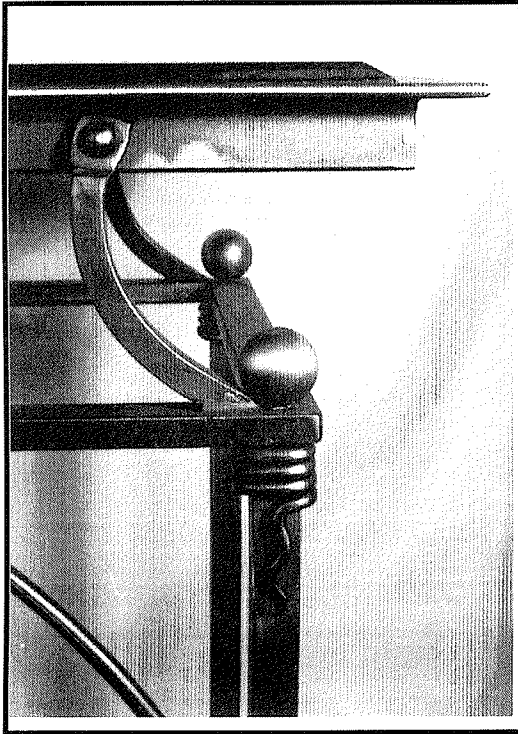


Bending fixtures

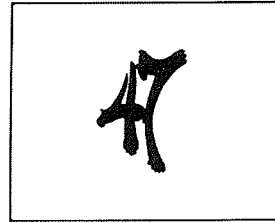


Torvald Sorensen drafting in show room

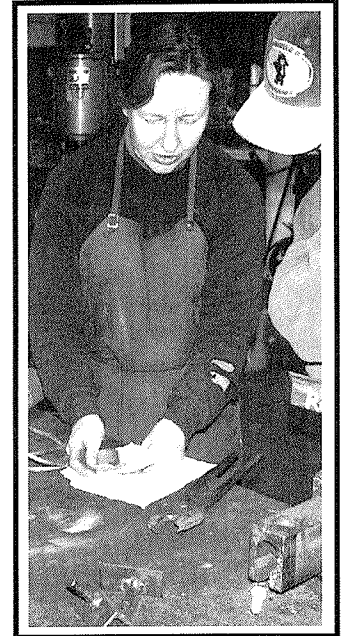




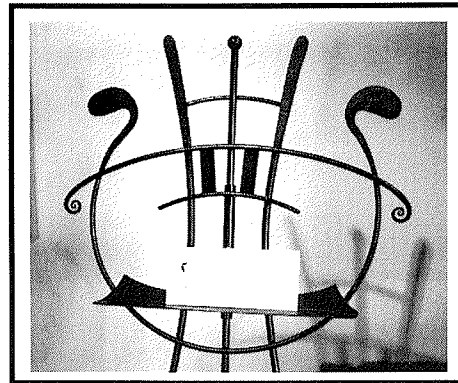
Rothman table detail



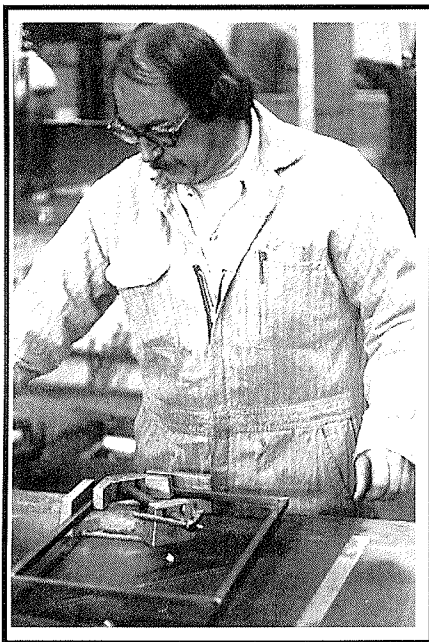
**FORTY SEVEN  
PRODUCTIONS  
INC**



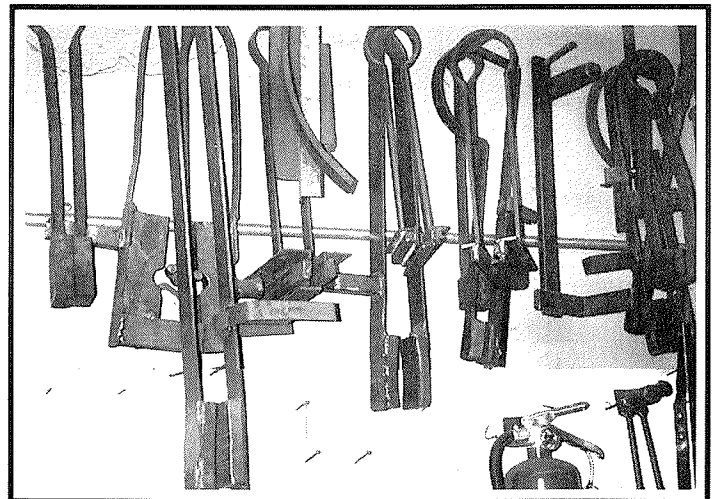
Laura Goemaat - layout work



Music stand



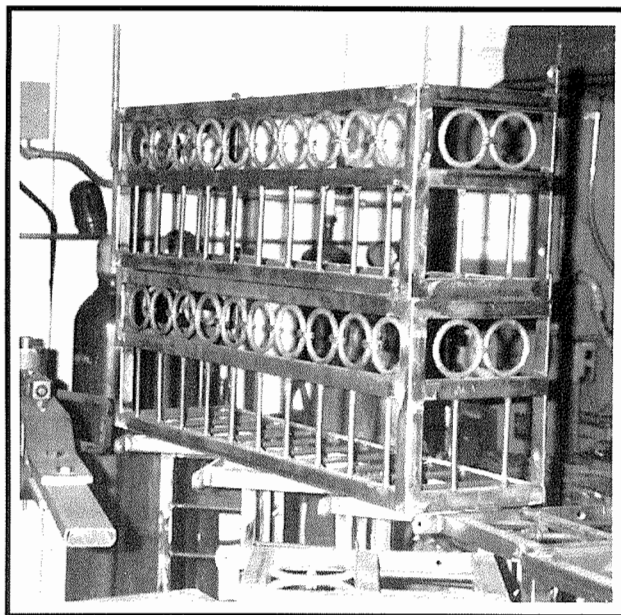
Gene Thiel setting up welding fixture



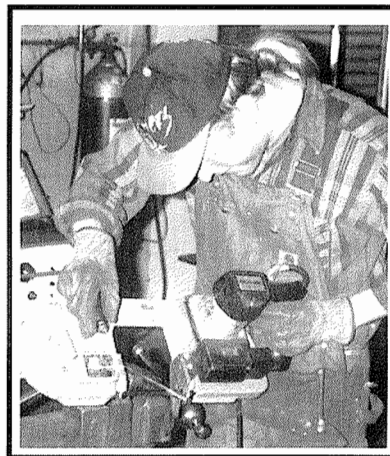
Tooling



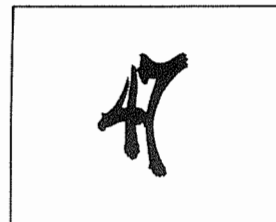
Mirror detail



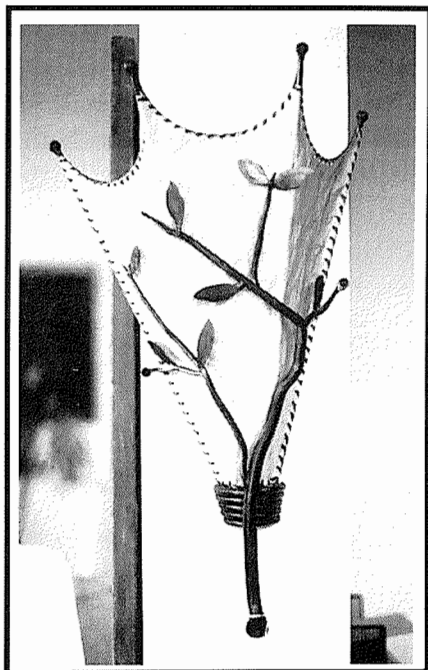
Work in progress



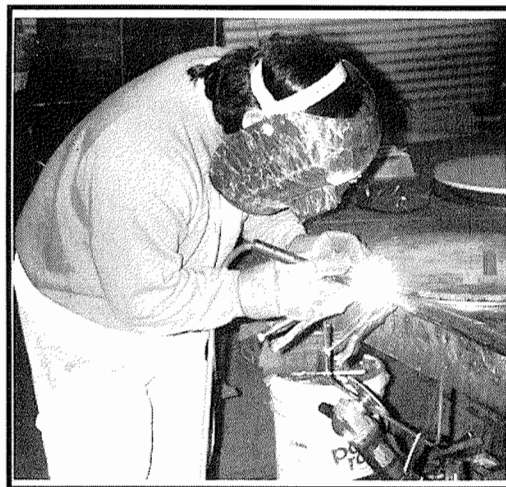
Todd Mulvey cutting



**FORTY SEVEN  
PRODUCTIONS  
INC**



Wall sconce

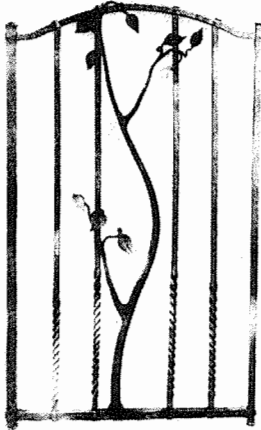


Tig welding



# Joe Elliott's Catalog

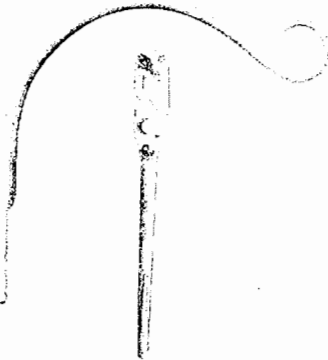
## DRY CANYON FORGE



128 E. Antler Street  
Redmond, Oregon 97756  
(503) 548-2564

### CURVED HANGER

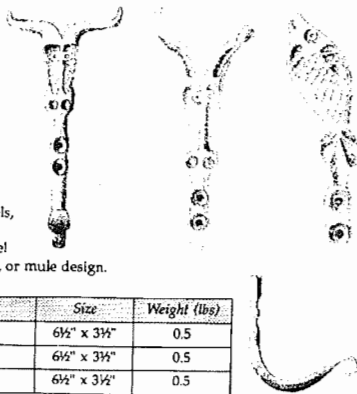
This gracefully curved hanger features a mountain scene on the screwplate (shown below). It can be used to hang plants, lanterns, bird feeders or anything else you can think of!



Product#	Style	Size	Weight (lbs)
BS 121	Mountain	10" x 12"	1.0

### HOOKS

These small decorative hooks are appropriate anywhere for coats, towels, or whatever other small hang-ups you might have! Available with fish, steer, or mule design.



Product#	Style	Size	Weight (lbs)
BS 181	Steer	6½" x 3¾"	0.5
BS 182	Mule	6½" x 3¾"	0.5
BS 183	Fish	6½" x 3½"	0.5

8

### FIREPLACE POKER

This fireplace poker is the sturdiest that you'll find anywhere and is certainly a match for the largest log. Hand forged from a single piece of iron, it doesn't have any welded or bolted joints which might compromise its strength. The tip is a traditional hook end and the handle has been twisted to provide a sure grip. Its compact size makes it ideal for use with wood stoves, but it is long enough for fireplace use as well. It does *not* conduct heat quickly so you can use it like any other poker.

Product#	Handle Style	Length	Weight (lbs)
BS 101	Eagle	24"	2.0
BS 102	Salmon	24"	2.0

*To fireside happiness, to hours of ease  
Blest with that charm, the certainty  
to please.*

Samuel Rogers

*You are a King by your own Fireside,  
as much as any Monarch in his Throne.*

Miguel de Cervantes

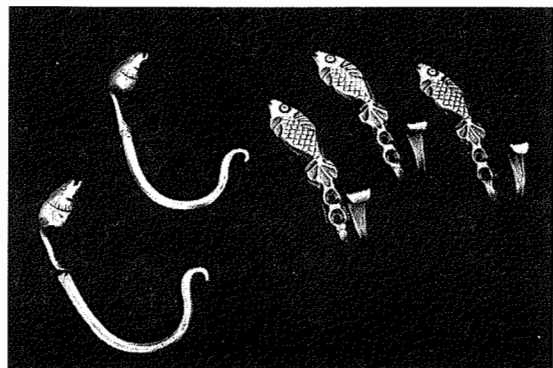
### FIREPLACE POKER HANGER

These hangers are made to fit our pokers perfectly and keep them handy for you. Now you won't have to worry about knocking over the fireplace tools anymore. It must be mounted on a wall or other suitable surface.

Product#	Style	Size	Weight
BS 111	Standard	3½" x 3"	0.5

4

Joe Elliott's product catalog is well layed out and designed to enlighten the consumer with the production forged products from his blacksmith shop. Pricing is included on a separate sheet, good thinking. His forged products carry a lifetime and customer satisfaction guarantee. That's especially good in today's throwaway, disposable world. Ed.





## Paul Thorne Spring Conference Demonstrator

Paul Thorne is a full time art metalsmith known for his work depicting nature forms found in the Pacific Northwest. Thorne Metals Studio production includes sculpture, custom furniture, church devotional pieces, restaurant decor and both contemporary and classic architectural commissions. The following summarizes what Paul will demonstrate at the Spring Conference.

### Demonstration #1: FORGE WORK DETAILING

FORGE WORK detailing, particularly in the areas of joints and attachments, is an area where a smith can add value and interest to one's work. Since joinery is a part of most pieces, it makes sense to use attachments and fasteners as factors that contribute to the decorative aspects of your design. This "small work" or microforging, can transform a rivet head into a flower or a washer into a water lily. The purpose of this demonstration is to point out some fastener design possibilities, application alternatives and how to achieve them with simple tools.

#### What Students Will Learn

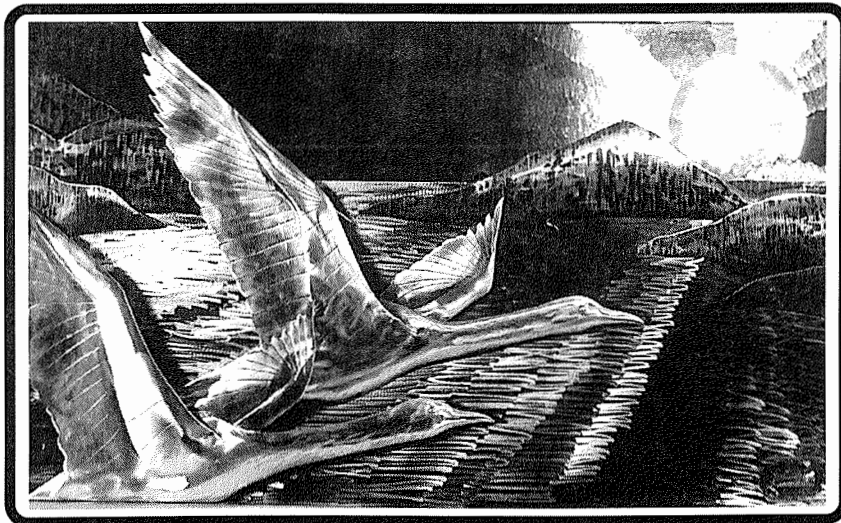
- Provide new ideas and understanding of fastening potential
- How to design your own fasteners
- How to make fastener forging tools
- How to forge, finish and install fasteners
- Putting together a fastener sample display

#### Why Subject Is Important

- Adds distinction to work
- Adds value to work
- Adds quality to work
- Adds product line flexibility to work

### Demonstration #2 SURFACE COLORING AND FINISHING

Enhancing and finishing the surface of your project is an area where considerable value can be added to the piece. Textures, colors and surface coating will add interest and distinction to your work. In order to achieve the effect you want it is first necessary to understand the possibilities available, surface texture alternatives, surface preparation, coloring techniques, protective coatings and sources of supplies. Special emphasis will be on using and controlling heat as a coloring medium.



Migrating Geese- forged  
Iron and Copper  
26" x 44"



# The Dynamic Duo

## Spring Conference Split Demo

### Grant Sarver



Grant, of Prez Sez fame, is a master under power hammers both big and small. His demo will include tooling and techniques under his new invention, the Kick Ass 75 which was previewed at the Fall 95 conference in Winthrop, WA. Grant is a delight to watch and listen to. Don't be shy, put your thinking caps on and put him to the test on his hammer at the Spring 96 conference.

Grant has been a blacksmith over 20 years and specializes in commercial industrial forged products at Apex Forge and Tool in Tacoma WA. Tooling and die work, inventing hammers, and a line of blacksmith tools have kept him busy these last few years. Grant is also heavy in the computer world and sez, "I just love to go to work in the morning."



### Dave Brandon

Dave Brandon is the other half of the dynamic duo and will demo, assist and probably harass Grant and some of us during his demos. He joined the N.W.B.A. in 1981 to learn how to make a basket handle poker. He claims no super masterpiece of work but only a sincere interest in sharing 15 years of observation with others.

Dave is currently the President of The Northern Rockies Blacksmith Association and with his good wife, Babe, sponsors a monthly hammer in at his shop near Stephenville, MT.

Dave and Babe have two sons, two adopted daughters, nine grandchildren and four great grandchildren so they must qualify for the title of "Old Blacksmith".

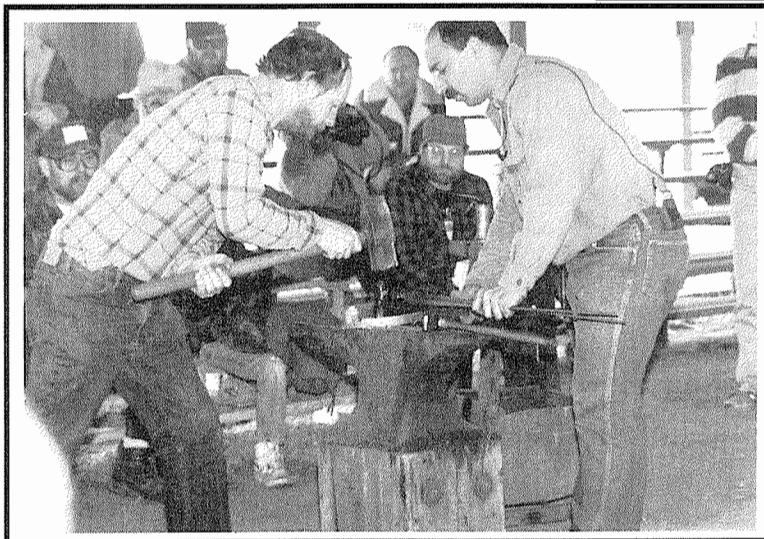
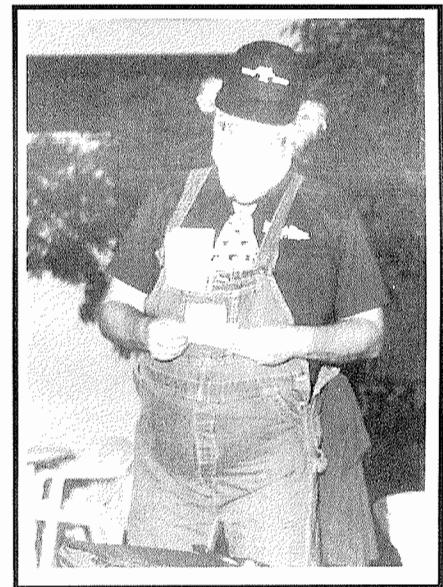
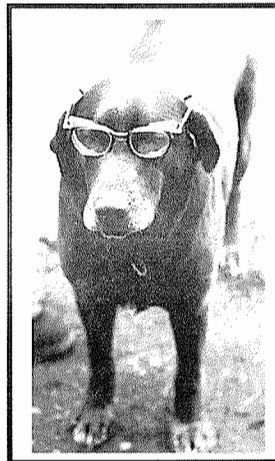
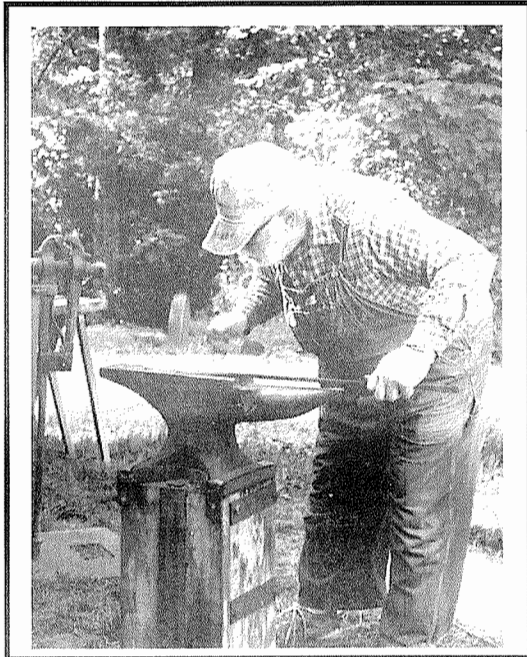
Dave bought the first model of Grant Sarver's "Kick-Ass 75 Striking Hammer" and thus by default becomes the oldest owner operator of the hammer. He will be demonstrating what he has learned operating the "Kick Ass" for the past nine months.

Dave and Grant are splitting a conference demo.



# N.W.B.A . Archives

Can you identify the places, time, people or things in these photos? Send your answers, theories, or stories to the Hot Iron News editors, get your name in the paper!



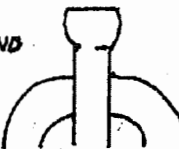
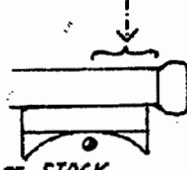
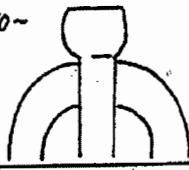
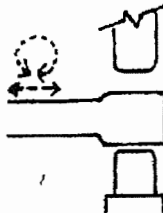
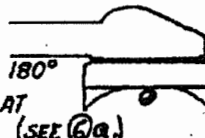
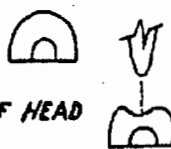
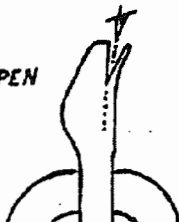
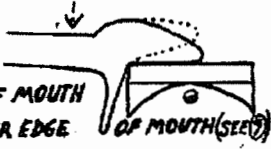

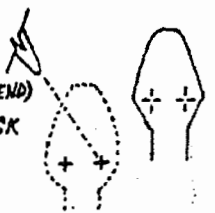
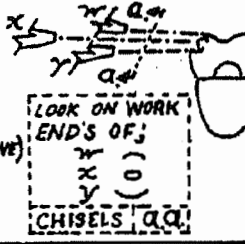
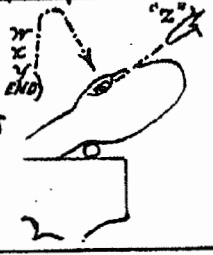
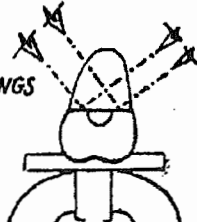




Babe Brandon wrote in identifying archive pictures in the last issue. . .

1. Darryl Nelson's head
2. Tom Joyce's artwork
3. Howard and Lil Swanson's retirement gift
4. Mark Solomon with is large screwdriver.

. . . thanks Babe!



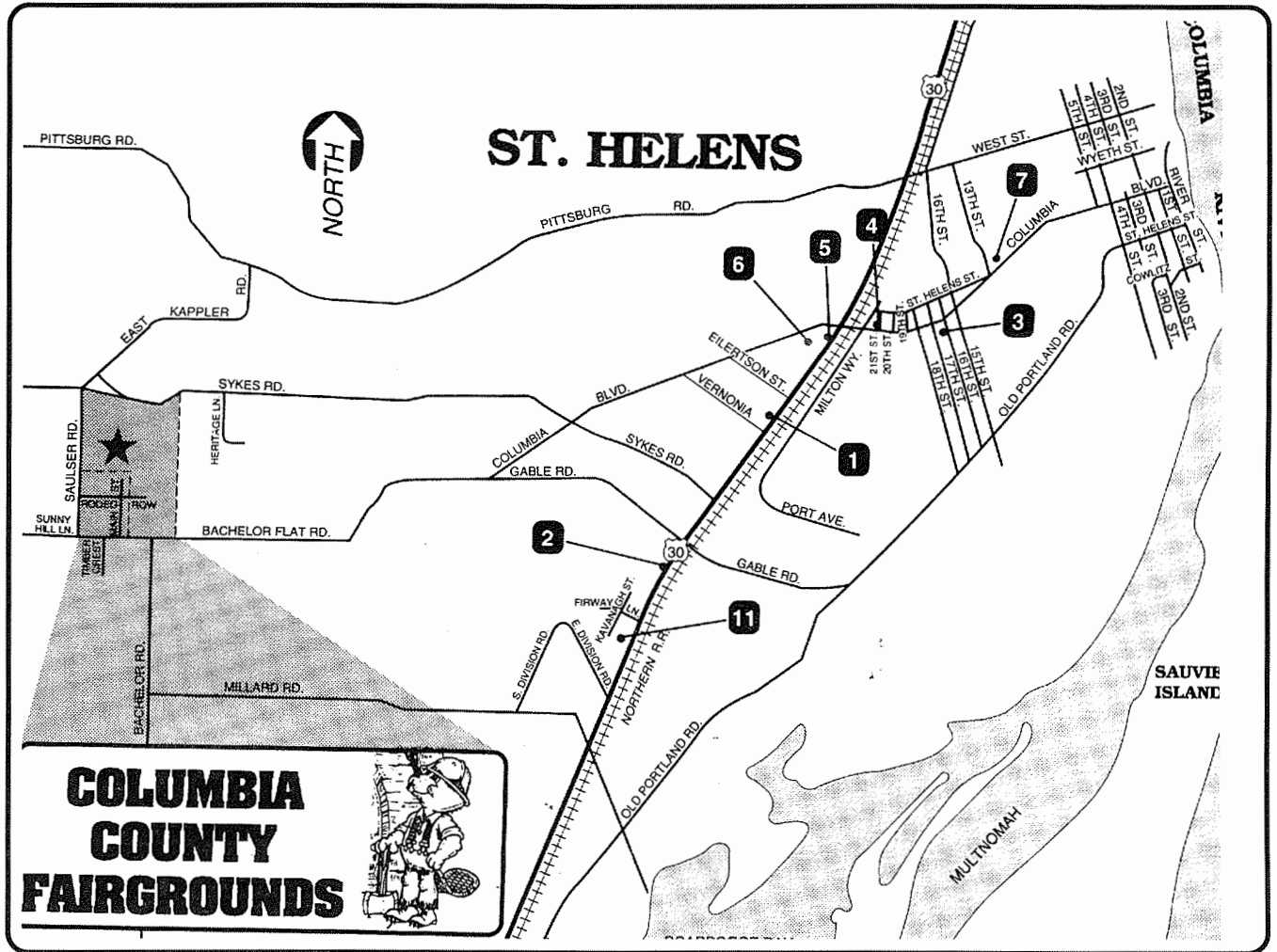
# Snake Head

<p>① UPSET END 7/8" OR 1" ROUND STOCK</p> 	<p>② ALIGNMENT OF STOCK</p> 	<p>③ UPSET 75% TO 100%</p> 
<p>④ DRAW OUT</p> 	<p>⑤ DRAW WITH 180° TAPER ~ FLAT ON BOTTOM (SEE ⑥a)</p> 	<p>⑥ a. ROUND OVER END OF NOSE b. FULLER TOP OF HEAD</p> 
<p>⑦ FLAT CHISEL OPEN MOUTH</p> 	<p>⑧ • FLATTEN IN SIDE OF MOUTH • ROUND OVER EDGE OF MOUTH (SEE ⑦) • BEND HEAD UP</p> 	<p>⑨ FULLER BACK OF MOUTH</p> 
<p>⑩ PUNCH (ROUND END) PUSH OUT BACK OF JAW</p> 	<p>⑪ CHISEL IN EYES (X IS CONCAVE)</p> <div style="border: 1px dashed black; padding: 5px; width: fit-content; margin: 5px auto;"> <p>LOOK ON WORK END'S OF; X Y Z CHISELS a, b, c</p> </div> 	<p>⑫ PUNCH (ROUND END) LENS OF EYES</p> 
<p>⑬ CHISEL UP FANGS</p> 	<p>⑭ LOOK AT FANGS IN ROOF OF MOUTH</p> 	<p>⑮ • PUNCH IN NOSTRILS • SHAPE FANGS MOUTH</p> 
 TOP VIEW	 SIDE VIEW	<p style="font-size: 2em; font-family: cursive;">By; Joe Anderson</p>

Reprinted from North Carolina Chapter of ABANA newsletter, Feb. 1990



# MAP TO FALL CONFERENCE AT ST. HELENS FAIRGROUNDS



Take Hwy 30 from Portland toward Astoria - - mostly along the Oregon side of the Columbia. St. Helen's is 25 miles from Portland. Watch for fairgrounds signs and N.W.B.A. anvil signs to turn south to fairgrounds.

**OR - - -** shortcut through Longview:

From the north on I-5 at Kelso, WA, head west on Hwy 4 to Longview. Turn south to Rainier, OR. Head south on Hwy 30 until you get to St. Helens, about another 25-30 minutes.

## MOTELS

- \* The Village Inn, 535 S. Hwy 30, St. Helens, OR [503] 397-1490
- \* Rainier Motor Inn, 120 A West, Rainier, OR [503] 556-4231 (25 min. from St. Helens)
- \* Oregon Lodging Hotline: 1-800-365-6343
- \* Longview, WA is about 25-30 minutes North of St. Helens
- \* Camping and dorms available on site [fee unknown]



# 1996 SPRING CONFERENCE REGISTRATION

April 12, 13, 14, 1996

St Helens , Oregon Fairgrounds

### Registration and Fees:

[NOTE: The Saturday evening meal is catered, no potluck]

I am a member of N.W.B.A. [ ] I am a member of ABANA [ ]

Pre-Registered before April 5	\$45.00	\$ _____
After April 5, or walk-in	\$50.00	\$ _____
Spouse	\$10.00	\$ _____
Children over 10 years old \$10 per child x _____ =		\$ _____
N.W.B.A. Membership	\$20.00	\$ _____
Out of Country Membership	\$24.00	\$ _____
Auction Item \$5 discount		- \$ _____
<b>TOTAL</b>		<b>\$ _____</b>

Make your check payable to N.W.B.A. and mail to:

**Northwest Blacksmith Association  
8002 NE Highway 99 #405  
Vancouver, WA98665**

**DISCLOSURE/ASSUMPTION OF RISK I hereby acknowledge that by attending the N.W.B.A. Spring 1996 Conference to be held on the property of the the St Helens Fairgrounds, St Helens Oregon, I assume all risks, hazards and dangers that are present on the property by reason of its location, the terrain and the various equipment located on the property. I specifically waive and release Northwest Blacksmith's Association of any liability, loss or damage which may occur as a result of my presence on the property.**

**PLEASE LEAVE YOUR DOGS AT HOME.**

ALL ADULTS MUST SIGN:

Name: \_\_\_\_\_ Print Same: \_\_\_\_\_  
Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_  
Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_  
Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_  
Address: \_\_\_\_\_ Phone: \_\_\_\_\_  
City:: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_



# N.W.B.A. Spring Conference Schedule of Events

## Friday, April 12, 1996

- 8:00 a.m. - Noon ..... Set up and Registration
- 1:00 p.m. - 4:00 p.m. .... Sarver/Brandon demo
- 5:00 p.m. - till ? ..... Open forge

## Saturday, April 13, 1996

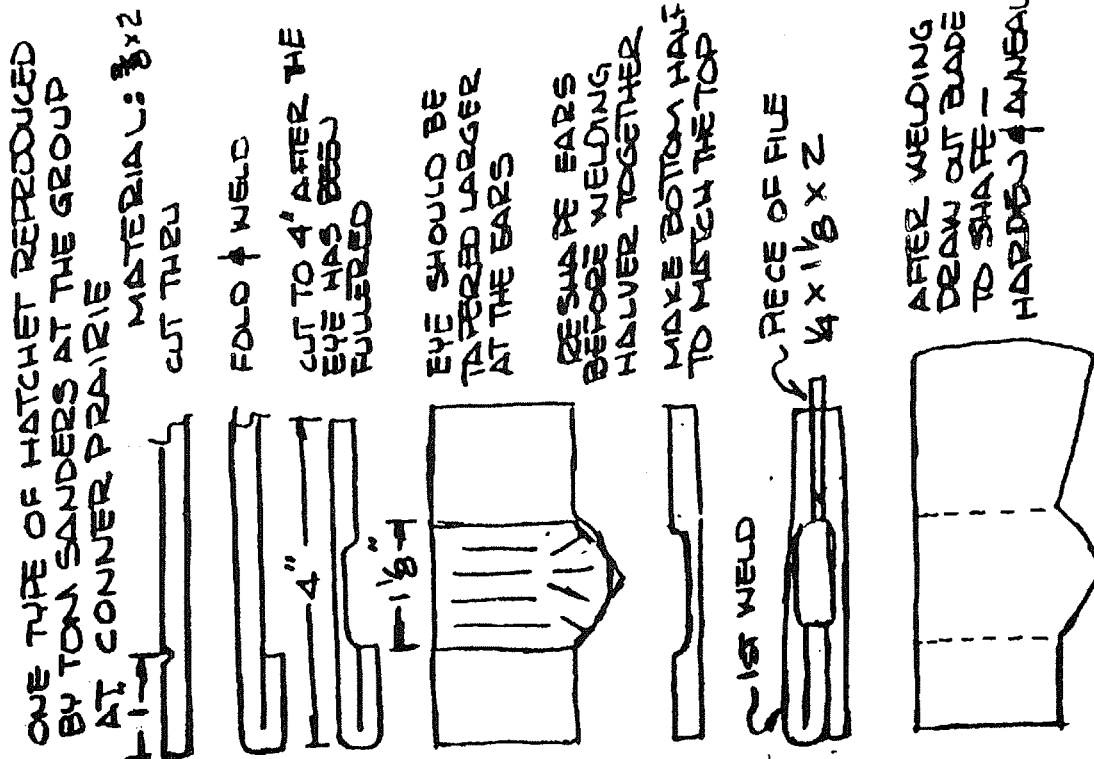
- 9:00 a.m. - Noon ..... Registration
- 9:00 a.m. - Noon ..... Paul Thorne demo
- 1:00 p.m. - 4:00 p.m. .... Sarver/Brandon demo
- 5:00 p.m. - 7:00 p.m. .... Catered dinner
- 7:00 p.m. - ??? ..... Auction followed by open forge

## Sunday, April 14, 1996

- 9:00 a.m. - Noon ..... Paul Thorne demo

**Tailgate sales welcome to N.W.B.A. members**

**EARLY AMERICAN  
HATCHET REPRODUCTION**



Reprinted from the Newsletter of the Northwest Ohio Blacksmiths.







## BLACKSMITHING ON-LINE

There are a whole bunch of information sources for blacksmiths on just about every on-line service and throughout the Internet/World-Wide-Web. I have previously mentioned the Art Metal Project, but let me add a few more to your list.

ABANA is finally on-line with their own Web Page. The UMBA journal appears here and in the near future it will be published on the World Wide Web exclusively at ABANA's page.

Their URL is: <http://wuarchive.wustl.edu/edu/arts/blacksmithing/ABANA/>

To subscribe to ABANA's "The Forge" mail list forum, send as Email to: **listproc@wugate.wustl.edu** in the subject field, type: subscribe THEFORGE (your name) To send a message so that all the other subscribers of TheForge Mail List receive it, send it to: **theforge@wugate.wustl.edu**

The UMBA Journal is on the Chapter Newsletters Page. That URL is: <http://wuarchive.wustl.edu/edu/arts/blacksmithing/ABANA/chapters/news/news>

Plaza Del Herro, The Blacksmith Plaza (in Mexico) Their URL is: <http://www.nets.com/bsmithplaza/>

The Old Cowtown Museum, a non-profit organization in Wichita, Kansas. their home page is at: <http://www.southwind.net/~scribe/cowtown/smithy.html>

Ralph Lawson-Smith, Westmead, N.S.W, Australia <http://www.usyd.edu.au/su/radiology/smithing/smithing.htm>

The American Welding Society has a Web page at: <http://amweld.amweld.org/home/html> As well as at: <http://www.os.kcp.com/home/catalog/gasmetarc.html>

You may be interested in a net based mailing list that sends a comprehensive listing once a month of show, exhibit, grant info etc. It is called the Art DEADLINES. To get a copy of The Art Deadlines List via email, including subscription information, from the World Wide Web, send the line: send <http://www.xensei.com/users/adl> -in the body of your message to: **agora@mail.w3.org**

Using the above method you will be able to get a copy of The Art Deadlines List from the World Wide

Web at any time! Otherwise, point your browser at the URL: <http://www.xensei.com/users/adl>

To unsubscribe from The Art Deadlines List, send the message: UNSUBSCRIBE to: [adl@xensei.com](mailto:adl@xensei.com)

To get subscription information about The Art Deadlines List, send the message: SEND SUB-INFO to: [adl@xensei.com](mailto:adl@xensei.com)

To get information about advertising rates for The Art Deadlines List, send the message (in the Subject line of body of your message): GET AD-RATES to: [adl@xensei.com](mailto:adl@xensei.com)

The Institute of Metal Repair is happy to offer a free archive for metalworkers. The archive includes:

**PLANS.TXT**, a listing of magazine articles showing plans for making your own metalworking tools and equipment. They reviewed all major magazines from 1900 to 1980. If you have access to a library with a good magazine collection, you will be tapped into the motherload of tool and equipment plans.

**GOLDMINE.TXT**, an article entitled, "Repairing, a Metalworker's Goldmine." Outlines the benefits to metalworkers when they include metal repair, restoration, care, preservation and conservation, to the services they offer.

**BOOKLIST.TXT**, a list of metalworking books, many out of print, but worthwhile spending the time to find.

**IMR.TXT**, a short description of what IMR is all about.

To receive this file, please E-mail request, including your on-line address to: [71477.1742@compuserve.com](mailto:71477.1742@compuserve.com)

And last but not least, ACADEMIC METAL, out of Temple University. It is not so much a forum for an exchange of techniques as it is a forum for the exchange of ideas, philosophies and approaches to one's work and the public at large. If I may be so bold, a Zen of Metal Arts forum.

To subscribe, send an E-mail to: [LISTSERV@VM.TEMPLE.EDU](mailto:LISTSERV@VM.TEMPLE.EDU)

In the body of the message, write: SUBSCRIBE ACMET-L (YOUR NAME)



## ACROSS THE AGES

Humanity's progress through the ages has always been marked by advances in technology. The oldest technology is probably that of the Smith, beginning with that first genius who hunkered down with a rock for a hammer, another for an anvil and worked a piece of flint into a beautifully symmetrical and razor sharp arrowhead. Though we have progressed from stone, to copper, to bronze, to iron, then steel and now space age alloys, the skills have varied little, depending as they do on the meld of simple tools, eye and hand.

The newest technology is that of the computer and it would seem that there is little linkage between the two, the oldest and newest of human skills. In fact, the computer has recently become a valuable tool in the shop of the smith because through its capacity for communication, it has enabled smiths throughout the world to share techniques and knowledge quickly and easily.

Are you interested in a strange purple alloy you once saw in a museum? Recently a smith was, posted his question to the Internet and within a few days had a complete background on the alloy, its uses and a source for materials.

The medium through which this is done is the Internet, that web of data lines spreading from computer to computer across the entire surface of the Earth. An inexpensive computer and modem, an Internet connection and the willingness to experience a certain amount of frustration to learn a new skill can enable anyone to access this resource.

The Internet was once intimidating, an oracle approached with caution and only after mastering an arcane vocabulary little more comprehensible than that of a mediaeval alchemist. No longer.

The most recent development in the Internet, one that has opened its riches to all, is the World Wide Web and the software that allows access to it easily.

While the "old" net, of a few years ago, was not only difficult to access, its product was delivered as pure text, simple documents delivered to your computer, often informative but seldom exciting or motivating. The Web however comes with color, sound, illustrations and interactive links that can quickly allow the seeker to "surf" around the world in the search of elusive knowledge.

Yesterday I entered the Web, told my software that I was interested in sites concerning blacksmithing. This is the list I received in a very few minutes:

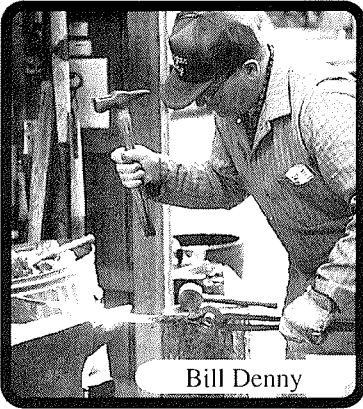
- [ABANA](#)
- [A Blacksmith in Australia](#)
- [Angel Sword Corp.](#)
- [Art Metal Project](#)
- [Connecticut Blacksmith's Guild](#)
- [Forge & Anvil On-line](#)
- [Lytton Creek Blacksmiths](#)
- [METAL WEB NEWS](#)
- [The Mormon Pioneer Story](#)
- [North Carolina ABANA](#)
- [Novia Scotia Blacksmith Museum](#)
- [The Plaza Del Herrero-Blacksmith Plaza \(South American site\)](#)
- [Thoeringer Tools Limited-Handcrafted Ornamental Iron Works](#)
- [Enrique Vega \(Smith\)](#)
- [Michael Spencer-Artist Blacksmith](#)

The underlining, which appeared on my screen as I show it above, indicated that by simply moving my cursor over any item and selecting it, I could be instantly connected with that source. A sampling of sites brought me blacksmithing lessons, photo portfolios of work, including Samuel Yellin's, sources of tools and supplies, schedules of classes and the simple comfort of knowing that the craft I have embraced is not dying and that I can rely, even on my isolated island, on the shared knowledge of my brother and sister smiths.

Phill Jackson d2a@pacificrim.net



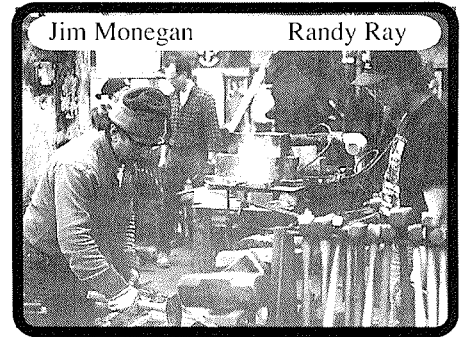
# N.W.B.A. NOVICE WORKSHOP AT OLD CEDAR FORGE



Bill Denny



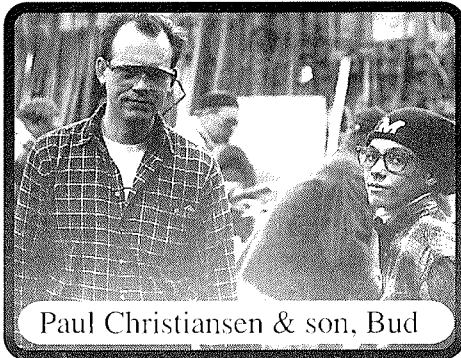
Instructor Laura Goemaat & Tom Richards



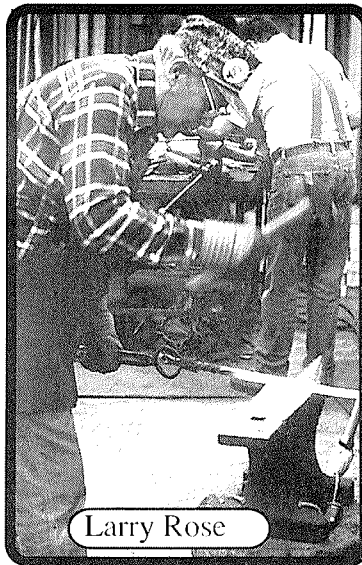
Jim Monegan

Randy Ray

January 5, 6, and 7, 1996 found seventeen N.W.B.A. members at Jerry Culberson's Old Cedar Forge for a novice blacksmith workshop. Instructors Jerry Culberson, Dan'l Moore, Laura Goemaat, and I guided participants through their ordeal of blisters and fire. Paul Christiansen and son Bud were guests of Jerry's and worked in the kitchen and found time to pound some iron in-between meals. The first day's Poz tong projects are always a great humbler to the beginning smith, and to me trying to help those overcome the subtle moves needed to produce a workable pair. I helped one person so much they had to begin over. *Bad medicine that day.* Jerry's usual gastronomical delights kept our bellies full and contented. The Old Cedar Forge Novice and Novice II workshops are geared for maximum exposure to hands on forging, demos and food, not necessarily in that order. We all have fun, learn and eat a lot and have wonderful garlic breath afterwards. The only grant applicant, Craig Hollow of Seattle, attended this workshop. Just a reminder, grant applications are printed in the Hot Iron News. Ed.



Paul Christiansen & son, Bud

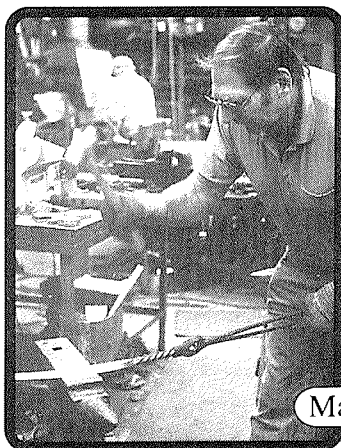


Larry Rose

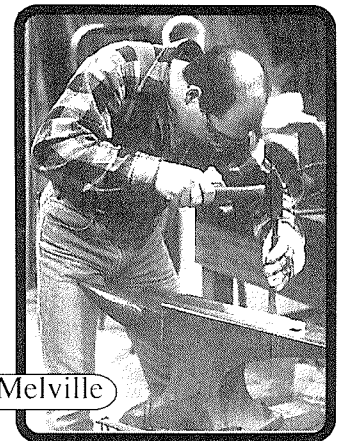


Jerry Nielsen

Raymon Baker



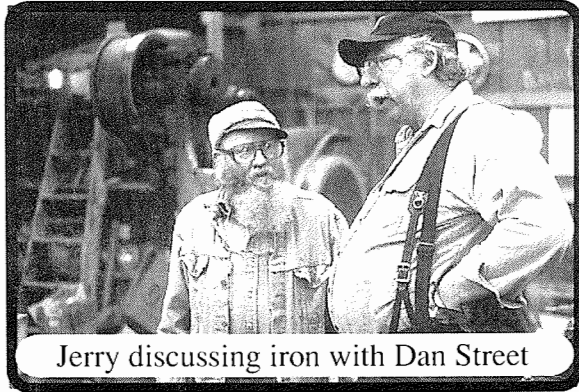
Marvin Salm



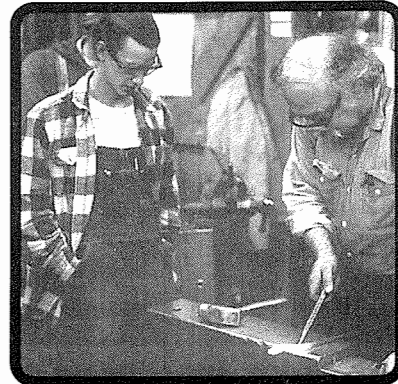
Scott Melville



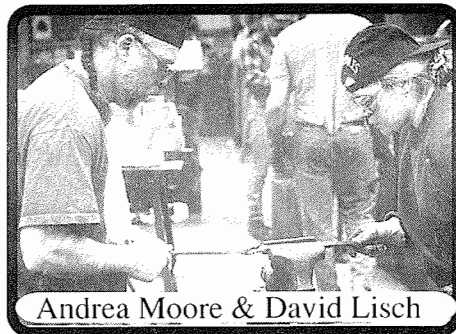
# N.W.B.A. NOVICE WORKSHOP



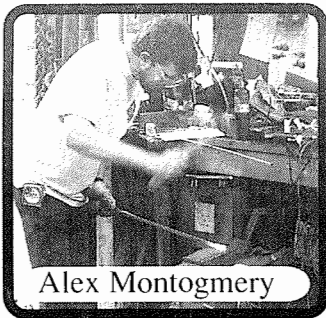
Jerry discussing iron with Dan Street



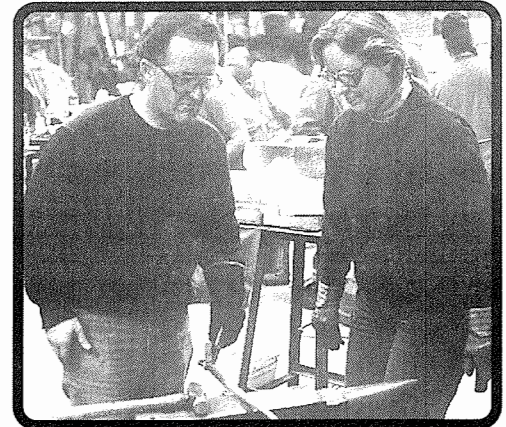
Craig Hollow watches the "Big Kahuna"



Andrea Moore & David Lisch

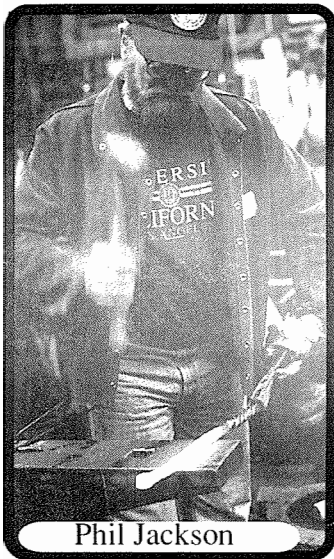


Alex Montgomery

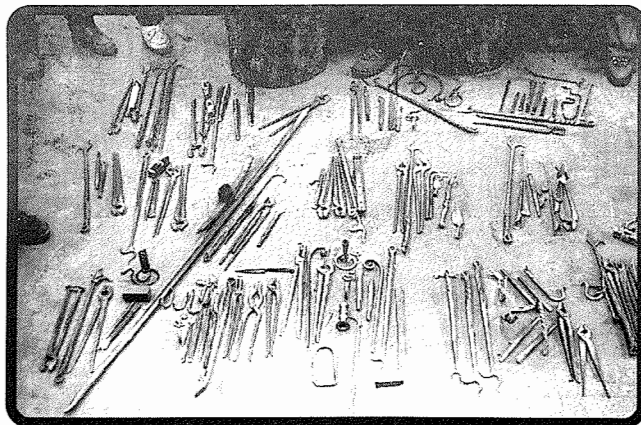


Laura Goemaat and Richard Paris

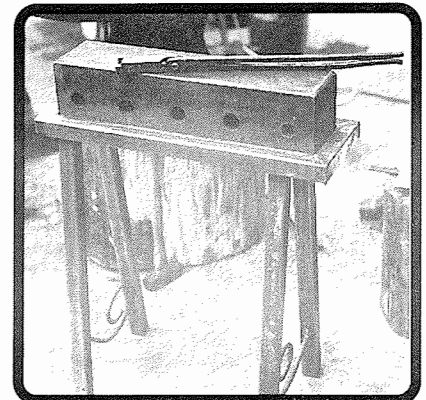
... geared for maximum exposure to hands on forging



Phil Jackson



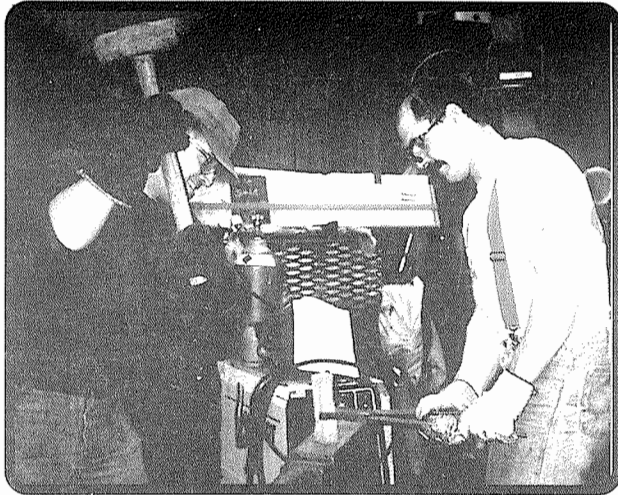
The weekend's work



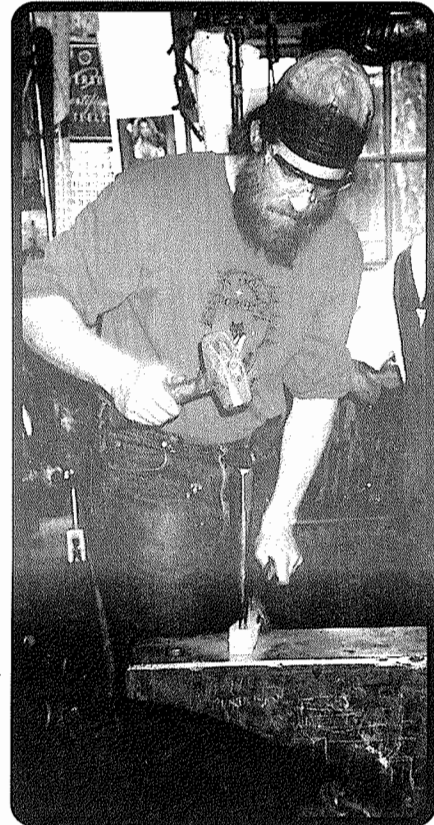
David Lisch's home spun anvil



# N.W.B.A. NOVICE WORKSHOP



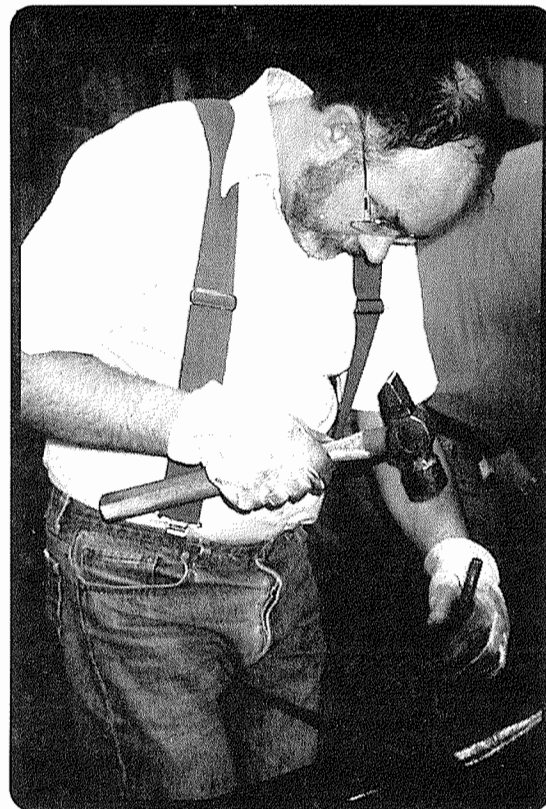
Anvil Chorus



Dan'l Moore



Craig Hollow



Tom Richards

Photos courtesy of Ina Culberson



**Northern Rockies  
Blacksmith Association**



**Northwest Blacksmith  
Association**

**JOINT - - - SPRING CONFERENCE**

**May 17 - 19, 1996**

**Stevensville, Montana - - Dave & Babe Brandon's**

## **CONFERENCE DEMONSTRATORS:**

### **Nahum Hersom,**

assisted by Jerry Henderson

A blacksmith extraordinaire, Nahum is one of a handful of practitioners of repousse, a 17th century art form in which patterns in relief are made in metal by hammering on a reverse side. Hersom works with metals from iron, tin and aluminum to brass, silver, and gold. Nahum will also do a combined demo with Jerry Culberson Sunday morning from 9:00 until the project is finished.

### **Jerry Culberson**

Jerry is a professional blacksmith, auctioneer, gourmet chef and longtime N.W.B.A. member. We are honored to have Jerry demonstrate the art of making Poz tongs, and box jaw pliers that will be used in the dual demo of joinery techniques in the placing of Nahum Hersom's creative reposes work in a joint art piece. I'm sure Jerry will help auction off Saturday night the joint piece of art work. Jerry will give us some fine blacksmith tips on the business end of smithing. It doesn't help to be a great blacksmith artist, if you haven't learned to market your work.

### **Conference Attendee Checklist**

- ✓ Registration form, and fee
  - ✓ Auction item - this is a money-maker for us
  - ✓ Gallery item - your speciality to be shown off
- Tailgaters - tailgate sales are encouraged, haggling, whining, sniveling and trading are also part of the game.

### **ACCOMMODATIONS**

- ✧ Primitive camping in the yard and orchard
- ✧ St. Mary's Motel at Stevensville - 9 miles 1-800 624-7015
- ✧ Days Inn Missoula South (Lolo) - 15 miles 1-800-325-2525
- ✧ Comfort Inn Hamilton North - 30 miles 1-800 442-4667

### **SCHEDULE OF EVENTS**

#### **Friday, May 17**

Tailgate sales are welcome.

1:00 p.m on registration

1:00-4:00 Open forge

4:00-5:00 Ricky Scott, punched-decorated tin

6:00 Chili Feed

8:00 N.R.B.A. membership meeting

Open forge til you drop

#### **Saturday, May 18**

7:00 Continental breakfast

9:00 Jerry Culberson demo

9:00 Tour of Daly Mansion, \$4.00 per person

(limit 15 per tour)

Noon Deli lunch

1:00-5:00 Nahum Hersom demo

6:00 Pot Luck Supper

8:00 Auction

After auction, open forge

#### **Sunday, May 19**

7:00 continental breakfast

9:00 Hersom & Culberson demo

12:00 Quick lunch, good-byes

End of Conference





MISSOULA

HWY 203 (Eastside Hwy)

FLORENCE

Hwy 97

Dry Gulch

PORTER HILL RD. •••• BRANDON'S SHOP

Mile Marker 6

3 Mile Creek

Ambrose Rd.

Hwy 203

Hwy 97

STEVENSVILLE

HAMILTON

## DIRECTIONS TO DAVE AND BABE BRANDON'S BLACKSMITH SHOP

FLORENCE: Turn left on Hwy 203 (eastside Hwy.). Porter Hill Rd. is just before mile marker 6. Turn left on Porter Hill Rd. Fourth place on the left. Watch for anvils.

STEVENSVILLE: Turn right off Hwy 93 to Stevensville. Turn left at Forest Service Blvd or Hwy 203 (Eastside Hwy). Follow hwy. just past mile marker 6. Turn right on Porter Hill Rd. Fourth place on the left. Watch for anvils.

Tool	Carbon Percentage in Steel	Temper Color	Color Temperature Fahr.
Axe	0.80 to 0.70	Dark Purple	550
Stone Axe	0.80 " 0.85	Dark Straw	500
Broad Axe	1.15	Dark Purple	550
Plier Bites	1.00 " 1.10	Dark Straw	500
Carver	1.00 " 1.10	Dark Blue	670
Stone Boring Bit	1.10 " 1.18	Medium Straw	400
Auger Bit	0.50 " 0.65	Light Purple	530
Milling Cutter for Iron	1.20 " 1.25	Medium Straw	460
Milling Cutter for Brass	1.20 " 1.25	Very Light Straw	420
Chipping Chisel	1.10	Dark Purple	550
Chisel for Hot Iron	0.80 " 0.70	Dark Purple	550
Cold Chisel	0.85	blk.	530
Lathe Centre	0.80 " 0.90	Light Purple	530
Screwing Taps	1.20 " 1.22	Medium Straw	460
Scraper for Iron	1.30	Dead Hard	
Lathe or Planer Chisel	1.20 " 1.25	Light to Medium Straw	430 to 460
Twist Drill	1.20 " 1.22	Dark Straw	500
Files	1.20 " 1.30	Pale Straw	420
Pipe Cutter	1.20	Medium Straw	480
Anvil Face	0.85 " 0.90	Splashed Red-brown	510
Hammer, Blacksmith's	0.67 " 0.78	Splashed Red-brown	510
Hammer, Machinist's	0.90 " 1.00	Splashed Red-brown	510
Grips	0.85 " 0.90	Purple Blue	520 to 531
Woodworking Knife	1.15 " 1.20	Dark Purple	550
Hatchet	1.15 " 1.22	Splashed Red-brown	510
Saw for Steel	1.60	Medium Straw at Teeth	460
Saw for Wood	0.80 " 0.90	Dark Blue	570
Springs	0.90 " 1.25	Very Dark Blue	601

TABLE SHOWING THE STEELS USED FOR VARIOUS PURPOSES, THE CARBON CONTENT, THE TEMPER COLORS AND THE TEMPERATURES AT WHICH THESE COLORS APPEAR

Reprinted from The American Blacksmith December, 1915



# 1996 N.R.B.A. SPRING CONFERENCE REGISTRATION

May 17, 18, 19, 1996

Dave & Babe Brandon, "Pa & Ma Blacksmithing", Stevensville, Montana

## Registration and Fees:

## DON'T FORGET AN AUCTION ITEM

I am a member of N.R.B.A. [ ]

I am a member of ABANA [ ]

Pre-Registered before April 30th \$35.00 \$\_\_\_\_\_

After April 30, or walk-in \$40.00 \$\_\_\_\_\_

Spouse \$5.00 \$\_\_\_\_\_

Children \$5 per child x \_\_\_\_\_ = \$\_\_\_\_\_

N.R.B.A. Membership \$15.00 \$\_\_\_\_\_

Out of Country Membership \$19.00 \$\_\_\_\_\_

Auction Item \$5 discount - \$\_\_\_\_\_

**TOTAL** \$\_\_\_\_\_

Make your check payable to N.R.B.A. and mail to:

**N.R.B.A.**  
**c/o Pa & Ma Blacksmithing**  
**674 Porter Hill Rd.**  
**Stevensville, MT 59870**

**DISCLOSURE/ASSUMPTION OF RISK I hereby acknowledge that by attending the N.R.B.A. Spring 1996 Conference to be held on the property of Dave and Babe Brandon, Stevensville, I assume all risks, hazards and dangers that are present on the property by reason of its location, the terrain and the various equipment located on the property. I specifically waive and release Northern Rockies Blacksmith Association and Dave and Babe Brandon of any liability, loss or damage which may occur as a result of my presence on the property.**

### ALL ADULTS MUST SIGN:

Name: \_\_\_\_\_ Print Same: \_\_\_\_\_

Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_

Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_

Family Member: \_\_\_\_\_ Print Same: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## 1996 ABANA Conference June 26-30, in Alfred, New York

### Demonstrators

Keith Kilby

Tom Latane

Tom Joyce

George Martell

Steven Walker

Richard Sexstone

Carl Close

Bob Bergman

**David Thompson (Three cheers  
for Dave)**

Dmitri Gerakaris

Peter Happny

Michael Bondi

Toby Hickman

Bobby Hansson

Charles Lewton-Brain

Francis Whitaker

- \* Colonial Williamsburg Blacksmiths (Peter Ross, Richard Gunthrie, Kenneth Swartz, Jay Close, Jim Slining, Steve Mankowski and Shelton Browder.)
- \* Teaching Stations (George Dixon, Aaron Mittleman, Nana Showalter.)
- \* Computer Applications for the Blacksmith (Enrique Vega.)
- \* Albert Paley studio tour.



Smedley and Smally Soapstone found a new mode of transportation. They plan on heading out early for the A.B.A.N.A. conference in Alfred New York. Smedley is the one riding the good looking jackass.



# ABANA

## CHAPTER LIAISON NEWSLETTER NOVEMBER, 1995

**ABANA -P.O. Box 206 - Washington, MO 63090 phone/fax (314) 390-2133**

### ABANA BOARD ELECTION RESULTS

1,119 ballots were received at the ABANA Office out of 4,125 current members. Incumbent directors re-elected were Elizabeth Brim, Hans Peot, Tim Ryan, and Clay Spencer. Jim Patton (Illinois) was elected as a new director in the election. Thanks goes out to Charlie Schultz for taking the time to fill in a vacancy on the ABANA Board for a year, though he was not re-elected.

### ABANA ON-LINE THROUGH AOL

Frank Garland, Editor of the Upper Mid-west Blacksmith Association newsletter, sends the following instructions for accessing the ABANA net site through American On-Line (AOL):

First, in order to access ABANA's page through AOL you must have AOL version 2.5 for Windows (IBM) or 2.6 for Mac users (2.6 is still in the BETA test phase). You can download the new version for free off of AOL by entering the Keyword "Upgrade" and following the instructions from there. It is a free download, you are not billed for time spent downloading the upgrade. "Keyword" can be accessed by holding down the (CTRL) key and then pressing the letter "K" or by pushing the button on the tool bar that looks sort of like a

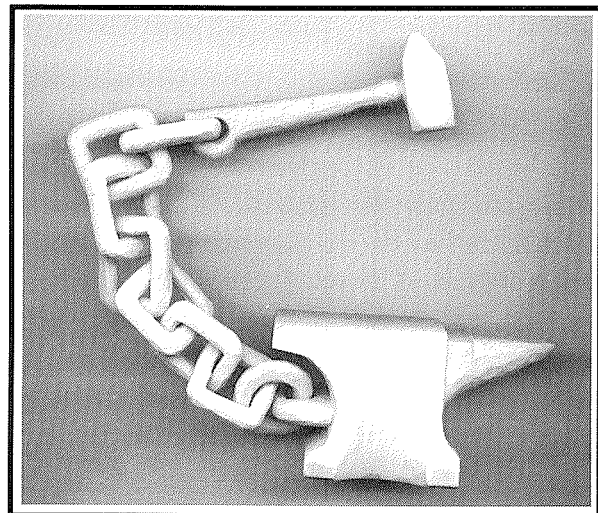
newspaper with a red arrow on it.

If you wish to view the page using Netscape, it can be done through AOL if you download AOL's WINSOCK.DLL (IBM/Windows only). It is available in the download libraries -merely search for "Winsock". You can download Netscape 1.1N off of several locations on the world wide web and view the ABANA page in all it's glory.

To access it through AOL's Web Browser, once you have installed the upgraded program, you can program the URL into the "favorite places" button, off line if you wish (it is on the far right of the tool bar across the top of the screen and is a small folder with a heart on it) and when you have logged on to AOL, you can click on the button and then double click on the name you gave the ABANA page and it will automatically bring up the web browser and go to the address. To access the Web Browser you can also enter the keyword "Web" and it will bring up the webbrowser and log in AOL's home page. To enter the URL into the browser, merely click on the address box at the top of the screen and enter the http:\\ etc. address and press (ENTER). The ABANA home page "URL" is <http://wuarchive.wustl.edu/edu/arts/blacksmithing/ABANA>. Keep in mind that the URL is case sensitive.

### Hammer and anvil woodcarving by Peg Chapman

The wood is yellow cedar. When Peg isn't playing with the grandkids, she carves for a hobby along, with putting up with me. Her largest carvings are local school signs, about 3' X 7' and weighing over 200 #. The smallest are wooden earrings. Ed.





# POWER HAMMER WORKSHOP

## Tooling & Methods for the Small Hammer

Hosted by Jim Hatmaker and the Inland Northwest Blacksmith Association

November 11, 1995

by Don Kemper

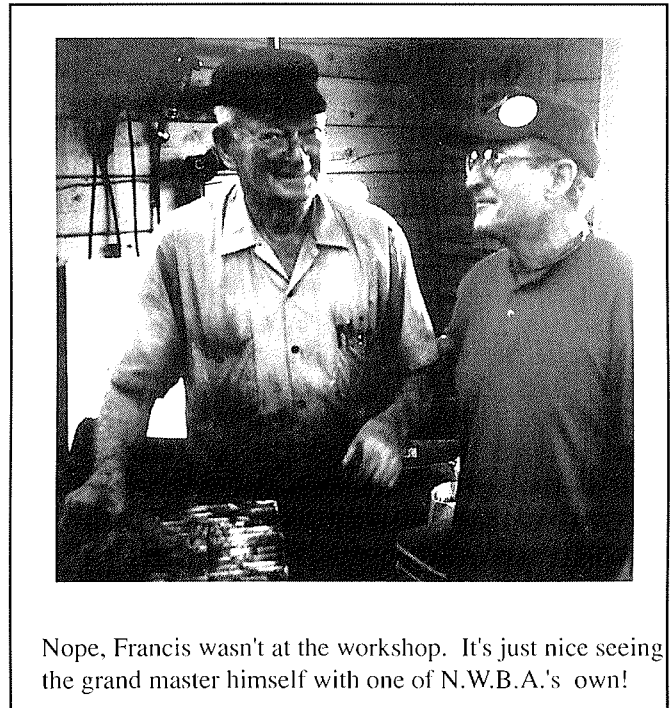
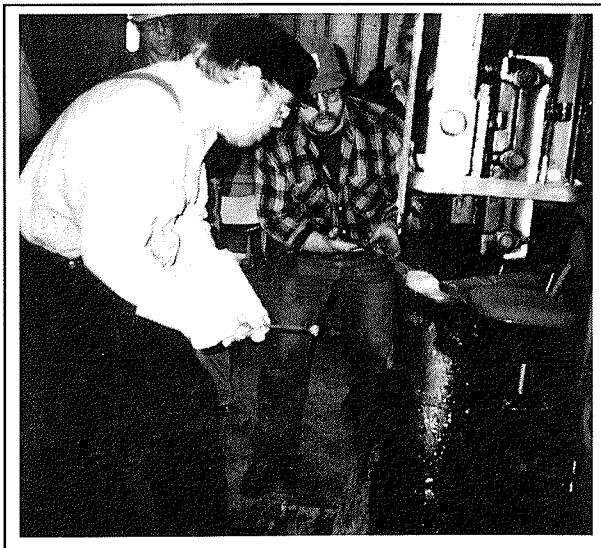
The drive along the Columbia River that Friday night was uninterrupted by other traffic in the waning light. I had lots of time to wonder why a blacksmith would drive 3 hours to a one day seminar - Reason? - Grand Sarver was the demonstrator! I followed the map out into the wheat fields until I arrived at the building complex that had serviced a 10,000 acre wheat ranch and found I had just missed an impromptu chili dinner, which Grant and Bill Carrell had NOT MISSED!

Friday night was spent with Jim and Grant in the shop tuning a 100# Little Giant and readying for Saturday NOTE: Jim's hammer had a slick brake system which works on any rear pulley driven, Little Giant type hammer [plans in future "Hot Iron News"].

Jim's shop contained all the essentials . . . plus lots of toys . . . disassembled 250# Little Giant . . . LARGE Buffalo shears, etc. But they seemed lost in his shop! With the wheat land sold off the homestead, the two quonset graineries (each approximately 50' x 200' x 24' high) provided lots of working space.

Jim's landlord dropped by the shop and said a sleeping bag was laid out in the rec. room for me (sure beats sleeping in the car on a 20° night!). The next morning started with coffee and hot cakes by Brian, our host. Soon we were joined in the shop by eight I.N.B.A. blacksmiths and Grant began to make the 100# Little Giant dance.

Working his way through making and using hot cuts, snaps, all



Nope, Francis wasn't at the workshop. It's just nice seeing the grand master himself with one of N.W.B.A.'s own!

types of fullering, flattening and shaping tools to use under a hammer. Along with the how's and safe ways to use them. Then on to decorative tricks. Want a braided design indented in a flat bar? 1. Use a curved tip chisel and many strokes to create your design, or 2. Double a piece of wire, twist, place on top of your hot iron under the hammer...depress peddle...and BINGO...done! Would continue, but don't want to give away any ideas Grant may be saving for his Spring Conference demonstrations.

Good Day! Lots of time to learn and practice under the hammer.

Driving home, one thought kept running through my head that Grant often repeated. "Everything/anything is a tool under the hammer!" Watch Grant prove that at the Spring Conference.



# HOT IRON NEWS BACK ISSUES

	Winter	Spring	Summer	Fall	Amount
1995	\$8.00	\$4.00	\$4.00	\$4.00	
1994	\$8.00	\$4.00	\$4.00	\$4.00	
1993	\$4.00	\$4.00	\$4.00	\$4.00	
1992	\$4.00	\$4.00	\$4.00		
1991			\$4.00	\$4.00	
Postage \$1.00 each back issue					\$ .
<b>Total</b>					\$ .

No cash please

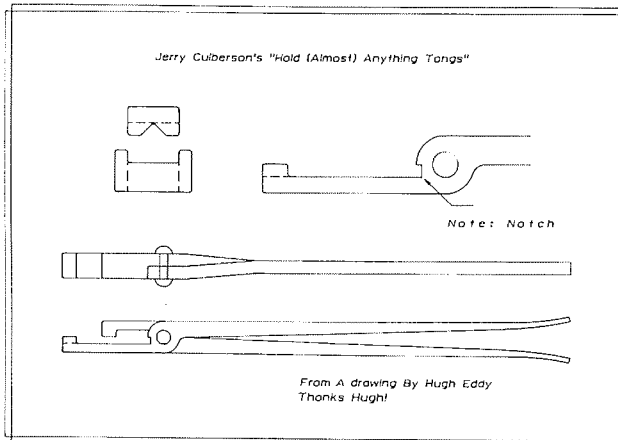
Make check payable to NWBA

Shipping Address: Name \_\_\_\_\_

Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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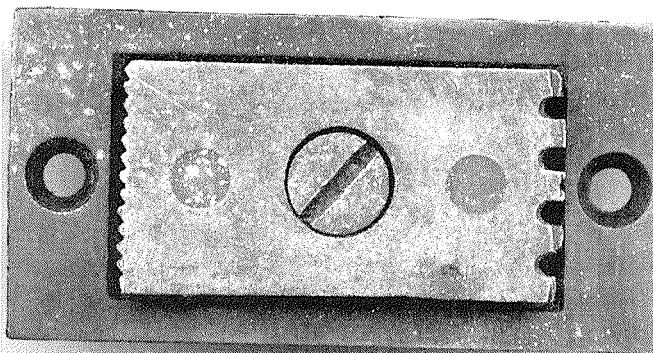
Send requests to: Gene Chapman  
 P.O. Box 1038  
 Kingston, WA 98346



These tongs were one of the projects in the recent Novice II workshop.



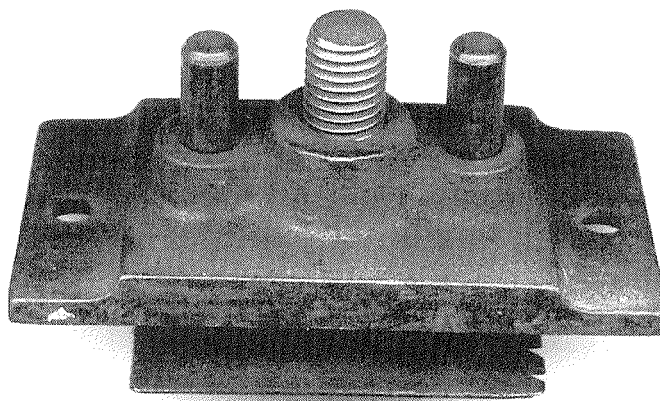
# "Whatsit??"



**TOP VIEW**

This has cast and forged parts and is actual size. Hint: it came from a beach house garage/workshop in Indianola, WA./ Submitted by Loren Brown of Blue Sky Printing in Poulsbo, WA. Blue Sky prints the Hot Iron News, and a find job they do too!

There are many variations of this tool around, some home spun, some blacksmith forged, some cast and factory made. This would be an interesting one to make at a workshop. With all the free thinkers around the N.W.B.A., I'll bet there would be some ingenious adaptations of this tool on the floor at workshop's end.



**SIDE VIEW**

## Last Issue's Whatsits

**Chris Pauley's** iron whatsit is a bag holder when digging spuds or other root crops. Pretty neat. Don Kemper sent in the answer.

**Randy Unger's** whatsit is a coconut scraper from the Phillipine Islands. Randy bought it in a San Francisco Chinatown shop. No one identified this one.

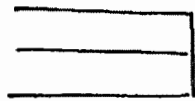
**Gary Everett's** whatsit is still unknown. Gary works at an Ostrich ranch in Oregon. Would this work as an ostrich hobble?

Thanks for the responses, keep those cards and letters coming! ed.

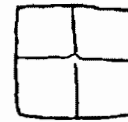


# Floral Rivet

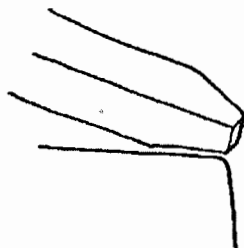
From the B.S. Guild of the Potomac Newsletter, Sept./Oct. 1991



Square stock



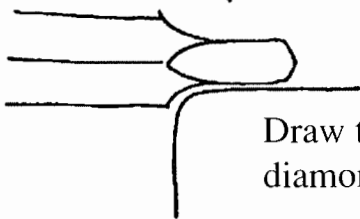
Pyramid head



Draw short point



Nick sides



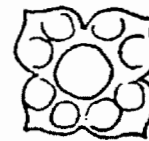
Draw tenon on diamond



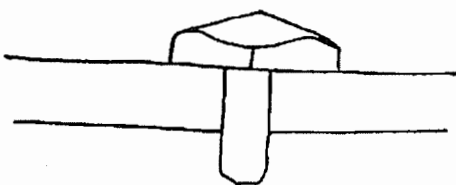
Stamp center  
(this tool will be used for rivet back-up later)



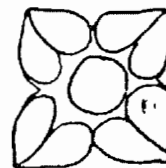
Round and nick



Use rounded punch to give petals shape



Form pyramid head



OR use losenge shaped tool

## From the Sketchbooks of Tom Latane c.1991

Guild of Metalsmiths



# CLASSIFIED

**Boggs Tool Processing & File Sharpening Co.** [BOGGS PROCESS gives you a cleaner, sharper, longer cutting edge] 14100 Orange Ave., Paramount, CA 90723 [310] 634-1081 Outside CA [800] 547-5244 FAX [310] 634-0839 Call and ask for the FREE coupon to sharpen 2 files.

**BLACKSMITH WANTED:** Creative, responsible blacksmith wanted for a growing Seattle company. Salary commensurate with experience. References. 201 Terry Ave. N., Seattle, WA 98109 [206] 622-1223.

**FOR SALE:** South Bend 10K lathe on nicely built steel bench. Quick-change feeds, 10x22 capacity, 12 speed with reversing motor. Has 3 spindle chucks, collets, face plates, milling attachment, "10-in-1" tool block, rocker toolpost with 7 tool holder, thread dial, carriage and cross-slide stops, micrometer carriage stop, 6" steady rest, taper sleeve, centers, die holder, live center, etc. This is a recent production, low hours machine. Lathe and all tooling in very good to new condition. \$3,700. Art Anderson, P.O. Box 631, Lolo, MT 59847 Phone [406] 273-0986 (24 hour message machine).

**FOR SALE or TRADE:** 250# Little Giant. It's much too large for the type of work I want to do, which is making pattern welded steel for knife blades. I'd really like to make a trade that included me getting a 50# Little Giant somehow. The machine has a 7.5 hp, 3 phase, 440v motor, two extra sets of dies, and an extra set of rocker arms. It was not a heavy production machine. It was used in the blacksmith shop of a steel mill for fabricating rigging and miscellaneous tooling. If anyone is interested they can call me at [503] 658-2252, usually in the evenings. Raymond Coon, jeramo@teleport.com

**INFORMATION WANTED:** Wade Wade of Canada wants to build a N.W. racer-type forge using a 12 volt blower. For field demos, he has a small car vacuum to try. Lots of air, very noisy! Has anybody seen this route? Do you slow blower with a rheostat? Butterfly? What kind of drain won't kill your car battery? Suggestions for blower, defrost, heater, etc.? I can see lots of use for a rig like this, don't want to have to reinvent the wheel, please help! 30160 Burgess Mt. Lehmann, B.C. V4x1V5.

**KNIFE BLADE STEELS:** Stainless ATS-34 and 440C  
Non stainless: 1084, 1095, 5160, 01, A-2 and D2 come in a variety of sizes and lengths. Contact: Admiral Steel L.P. 4152 W. 123rd St. Alsip, IL 60658-1869, 1-800 323-7055. They have a handy guide/price list and also Admiral laser cuts custom knife blades.

**MILD STEEL BAR STOCK:** Half round and half ovals, Dick Naven [503] 245-3659.

**WANTED:** Used anvil, 125# to 175#, give or take. Contact Larry Quaglia [503] 284-2422.

**WANTED:** 25# Little Giant or similar power hammer. Marten Stone, Brandon, OR [503] 347-9047.

**WANTED:** 25# or 50# Little Giant, 300# anvil and tools. Aziz Patel, Box 236, Carlton, WA 98814 [509] 923-2144.

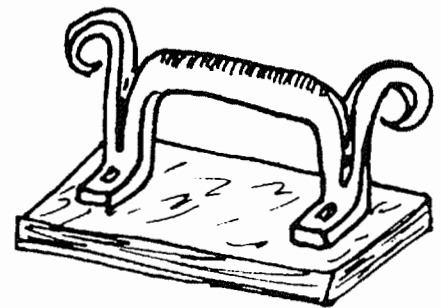
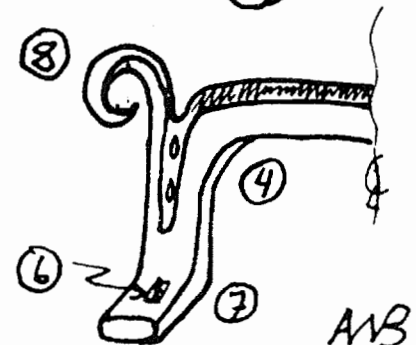
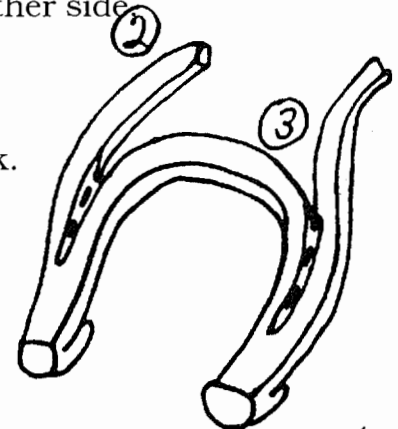
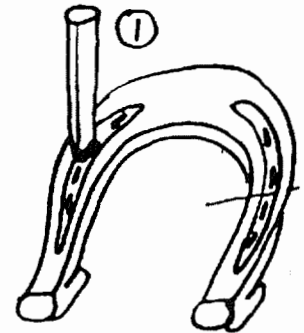
The Francis Whitaker Blacksmiths Educational Foundation is pleased to announce the publication of Francis Whitaker's Biography. 125 pages with many photos. Available from: Centaur Forge; Norm Larson Books; John C. Campbell Folk School. Autographed copies may be obtained from Francis Whitaker, 1493 Country Road 106, Carbondale, CO., 81623, [970] 963-9144. Francis will be abroad until the end of June. Cost: \$45.00 postpaid.

# HORSESHOE BOOT SCRAPER

by Charles Arbuckle and Alan W. Brown  
(from The Traditionalist)

**STOCK:** One thrown horseshoe, 3/8" x 7/8"  
cross-section above the caulks.

1. Heat and hot cut the shoe, following the nail crease. Start at the third nail hole from the caulk on one side of the shoe and cut around to the corresponding hole on the other side.
2. Hot cut top separated section at the center and fold back.
3. Heat center section and draw out to form the scraper section.
4. Make a 90° flat bend at the end of the scraper section.
5. Straighten out caulks or draw out if they were welded.
6. Punch hole in the ends to fasten boot scraper onto porch floor or log, etc.
7. Make a 90° bend in the feet.
8. Draw out split off section and form into a scroll.



Reprinted from the March, 1990, issue of The Rivet, newsletter of the Western Canadian Blacksmith Association.



# BOOKEND

Casey Bergman/Blanchardville, WI

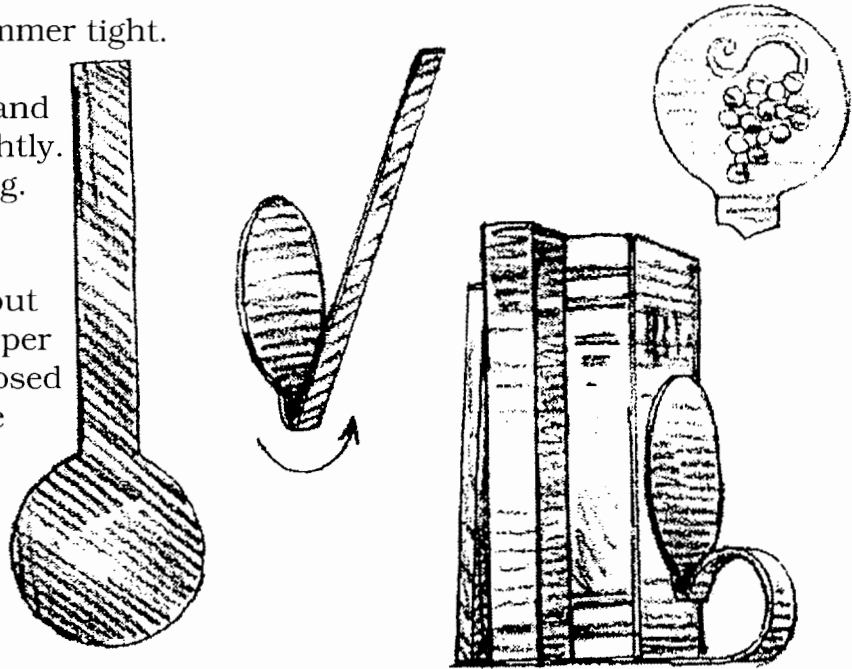
STEP 1: Cut the pattern out of 16 gauge iron or copper.

STEP 2: Fold back and hammer tight.

STEP 3: Bend around rod and leave the circle tilted in slightly. Rolled part acts like a spring.

STEP 4: Decorate circle by making a bunch of grapes out of copper sheet. Punch copper into leather with a round nosed punch, then cut around the resulting grape pattern.

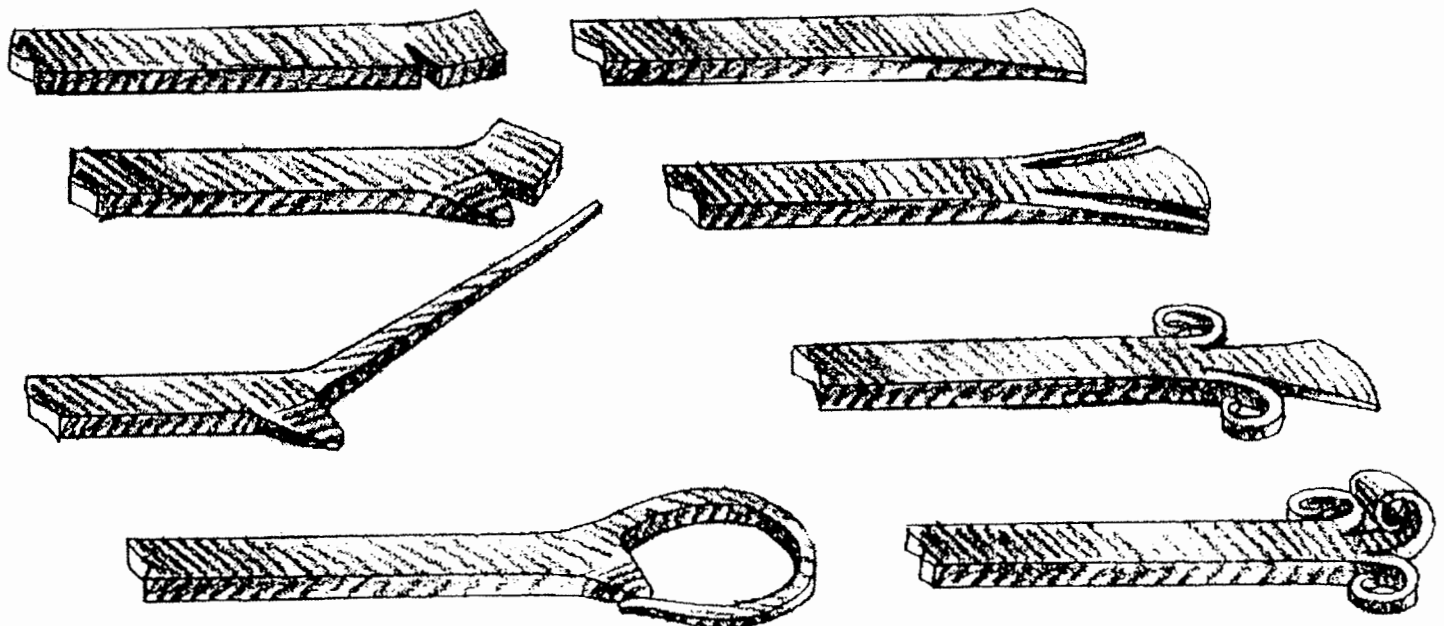
STEP 5: Rivet to circle.



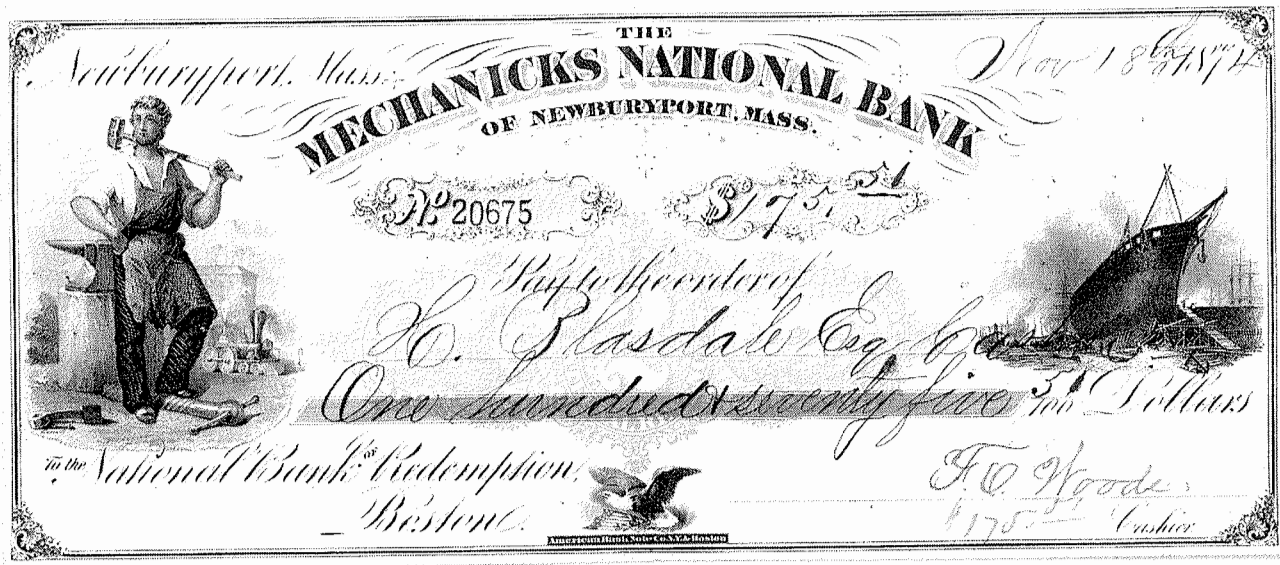
# BAR ENDINGS

Gunther/South Mountain

Here are several progressions from bar end to decoration. They work at any size.

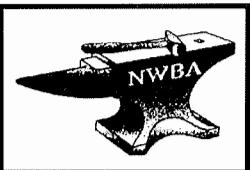


Reprinted from The Hammer's Blow, Guild of Metalsmiths Vol. 19 No. 2, June, 1995



Bank draft dated November 18, 1874. Thanks to Dick Naven, Portland, Or for the use of this and a dozen other skillfully engraved notes with blacksmith or trade motifs. Dick is a dealer in old currency and notes.

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GENE CHAPMAN, EDITOR  
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