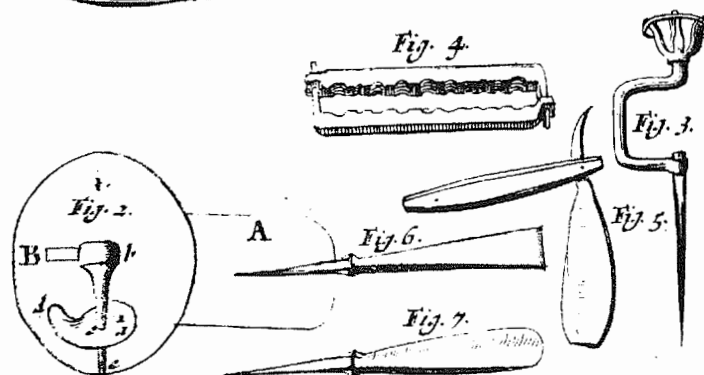
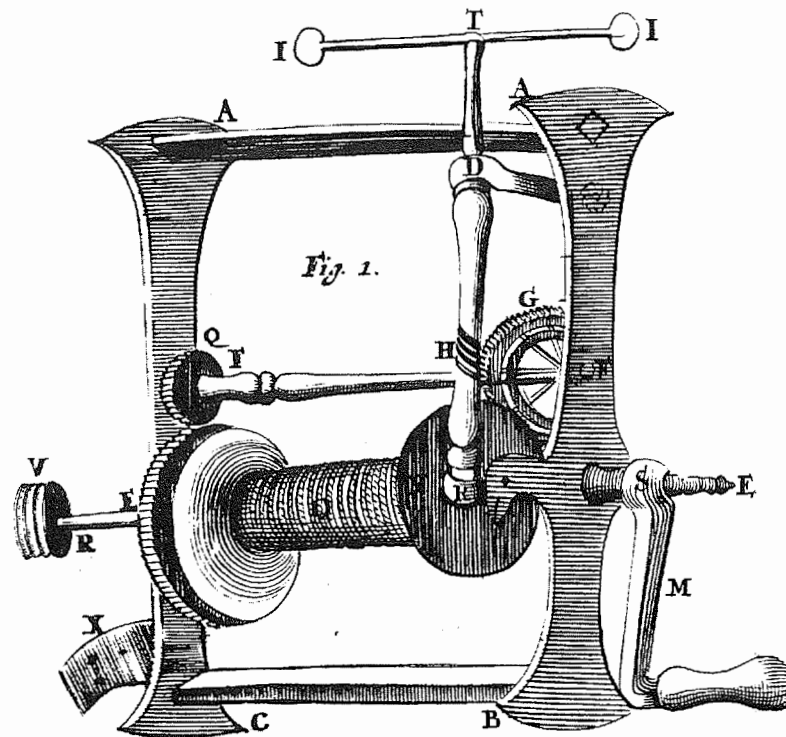


N.W.B.A. Resource Handbook

A Hot Iron News Supplement



Worm-Jack from "Mechanick Exercises or the Doctrine of Handy-Works", by Joseph Moxon. Published in 1678

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 A.B.A.N.A. 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 N.W.B.A.. 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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Demo joinery piece by
Jay Burnam-Kidwell

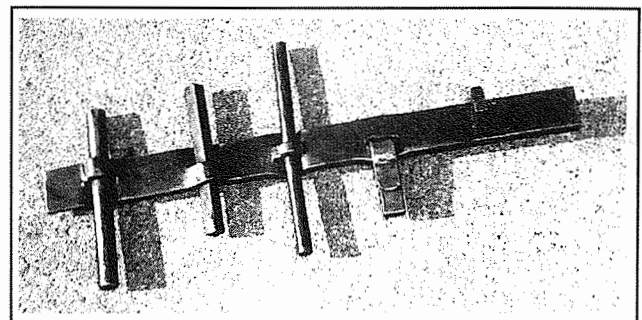


Photo by Lloyd Hedglin



N.W.B.A. Resource Handbook

This resource handbook idea originated with several N.W.B.A. members, principally, Joe Elliott and Don Kemper. Information has been gleaned from A.B.A.N.A. and A.B.A.N.A. chapter newsletters, the internet, and N.W.B.A. members in conversations and donated printed matter. Thanks one and all for your generosity and patience.

The plan is for a loose leaf volume. The handbook will be updated periodically and inserted in the *Hot Iron News*.

Any additional information which you feel would be helpful. Please send to the *Hot Iron News* editor.

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About the Northwest Blacksmith Association (N.W.B.A.)

The N.W.B.A. began in 1979 with a handful of Pacific Northwest blacksmiths pooling their talents and efforts in a unique association dedicated to further education, training, high standards and dissemination of information about the art of blacksmithing. The first organized gathering of the N.W.B.A. was in July, 1979 at Camp Rilea near Astoria, Oregon. Fledgling and a few old timer blacksmiths demonstrated their skills, imagination, inspiration, and friendship in the, so called, "lost art of blacksmithing".

Today the N.W.B.A. membership is approaching 500 from primarily Washington, Oregon, Idaho, Montana, California, Alaska and British Columbia. The membership includes full time blacksmiths, part timers, knifemakers, artists and students, all interested in the metal crafts. We are a non profit organization dedicated to perpetuating the art of blacksmithing.

Hot Iron News

The yearly membership fee of \$20 (\$24 out of country) includes the quarterly *Hot Iron News* publication. This newsletter is full of association news, workshops and conference schedules and many "hot tips". Back issues are available.

A unique A.B.A.N.A. chapter newsletter exchange system links thousands of blacksmiths together through sharing of ideas, processes, and information. Many hot iron folks are now on the internet.

Membership Application

Mail to:

Northwest Blacksmith Association
8002 N.E. Highway 99 #405
Vancouver, WA 98665

Membership Application: New_____ Renewal_____ New Address?_____

Annual dues are \$20 (\$24 out of the country) and includes a quarterly subscription to *Hot Iron News*. Please make your check to N.W.B.A. and mail to the above address.

Date_____ Are you an A.B.A.N.A. member? [] YES [] NO

Name _____ Phone Number _____

Address _____ City _____ State ____ Zip _____



NORTHWEST BLACKSMITH ASSOCIATION BY LAWS AS APPROVED JANUARY 10, 1996

PURPOSE

The Association is organized solely for education purposes, accomplished by: encouragement of training programs and conferences for high standards of craftsmanship, disseminating information about sources of equipment, literature and material, and exposing the public to the Blacksmith's art.

MEMBERSHIP

Any person or organization interested in blacksmithing and accepting the purposes and bylaws of this Association may become a member.

FISCAL YEAR

The fiscal year of the Association shall begin on the first day of May and end on the last day of April of the following year.

DUES

The Board of Directors of the Association, with membership approval, may determine from time to time the amount of the annual dues payable, in advance, on the first day of each fiscal year. Presently dues are \$20.00 yearly, \$24.00 out of country.

PROPERTY

The property of this corporation is irrevocably dedicated to charitable purposes, no part of the net income or assets of this corporation shall ever inure to the benefit of any director, officer or member thereof or to the benefit of any private persons. Upon the dissolution or winding up of the corporation, its assets remaining after payment or provision for payment, or all debts and liabilities of this corporation shall be distributed to a nonprofit fund, foundation or corporation which is organized exclusively for charitable purposes and which has established its tax status under Sec. 501.C.3 of the Internal Revenue Code.

MEETINGS

There shall be a minimum of two (2) meetings each year, location and dates to be determined by the Board of Directors with membership approval. Whenever practical, an agenda shall be mailed to all members before a meeting to permit member-

ship participation by attendance, letter or phone. For major issues, voting shall be by majority vote of the members present and by proxy.

BOARD OF DIRECTORS

The Board of Directors of the Association shall consist of seven members plus two additional directors for each 100 N.W.B.A. members exceeding 300 (i.e., 300 members= 7 directors...400 members= 9 directors.) Board terms will be split nearly equal, with an even number of seats open for election one year and an odd number the following year. The members of the Board shall upon election proceed with performance of their duties and continue in office for a period of two years. Successors shall assume their duties within thirty days after an election. Official address of the Association shall be that of the treasurer.

BOARD MEETING

There shall be a minimum of (4) meetings each year, locations and dates to be determined by the Board of Directors. A quorum consists of (4) Board Members. The general membership shall be notified before a meeting to permit participation by attendance or letter. For major issues, voting shall be by majority vote of all members responding to ballot, which will be mailed out to the current paid membership. The Board of Directors may determine what constitutes a major issue, such as bylaw changes, elections, etc.

There will be a general membership meeting held at both the spring and fall conference.

OFFICERS

The officers of the Association shall include President, Vice President, Secretary, and Treasurer, whom shall be selected by the Board of Directors.

PRESIDENT

The President shall preside at all meetings of the Association and the executive committee; is ex-officio member of all committees with vote; shall communicate to the executive committee and the Association members continually on promotion, effectiveness, and welfare of the Association.

VICE-PRESIDENT

The Vice-President shall act in the absence of the President.

SECRETARY

The Secretary shall maintain records and minutes of all Board meetings and will provide copies of minutes to all Board members, and to the newsletter editor for inclusion in the next Association newsletter. The Secretary maintains records of and conducts the annual election of officers by (mail) balloting; responds and initiates all correspondence to and from N.W.B.A., from other sources; is responsible for overseeing the timely production of the newsletter, and its distribution.

TREASURER

The Treasurer shall have custody of all monies belonging to the Association, deposited in Association's bank account(s); shall maintain all financial records of N.W.B.A.; will provide a quarterly financial report at Board meetings, or as requested by the Board of Directors; shall handle all financial transactions in a timely manner as to benefit both the Association, to maintain acceptable credit, and to the membership; shall work with the newsletter editor to maintain current membership list.

NEWSLETTER EDITOR

The newsletter editor is a nonvoting position in addition to the Board of Directors. The editor will be appointed from qualified applicants by the current board. Duties are: production and distribution of the *Hot Iron News*, and the Informational Update Letter, on a scheduled basis. Dates of distribution will be approved by the Board of directors. The editor shall maintain both membership and mailing list, may be required to handle special mailings, as holder of the bulk mail permit.

All officers will maintain records required for their term of office and will relinquish all N.W.B.A. materials to their successors.

NOMINATION AND ELECTION OF THE BOARD OF DIRECTORS

Nominations shall be opened at the annual Spring Conference for any open Board positions. Nominations will be open for 30 days. In the event that more candidates are nominated for Director's positions than there are vacancies, the Secretary shall specify the rules as the number to be voted for, validity of ballot, establishment of the right to vote, and similar matters. Ballots will be mailed to all members in good standing after the nomination period is closed. Polls will be closed 2 days after the mailing date. Ballots will be held by the Secretary unopened until the polls are closed. The ballots shall then be canvassed by the Secretary with a deputy of the Association. The results of the vote will be determined by majority count of ballots returned. The results will be published in the next newsletter.

Persons having the most votes will assume the open Board positions (not an open officer's position, however; see "Officers"). When all open positions are filled, any remaining nominees will be considered as alternates, in order of the highest count. These alternatives may fill any interim Board positions between voting periods. If no alternatives are available, the Board may appoint from the general membership.

AMENDMENTS

These by-laws may be amended, repealed, or altered; all, or in part, by a majority vote of those members responding by mail, who are in good standing in the Association. Proposed changes shall be mailed to the last recorded address of each member at least fifteen (15) days prior to the time of the ballot mailing, to allow time to consider the change(s).

Any changes to the by-laws are to be signed as approved by current Board members, and dated as to the date that changes are voter approved.





N.W.B.A. Committee Assignments for 1996

- Job Descriptions:** Kent Rudisill
- Insurance:** Dennis Prince Matthew Tilton
- Non Profit Status:** Kent Rudisill Ike Bay Jerry Kagele
- Workshop Coordinator:** Matthew Tilton Chair. Gene Chapman Berkley Tack
(Including open shops and hammerins)
- Grants:** Dennis Prince Chair. Barney Coski Ralph Hinds
- Conference Coordinator:** Terry Willis Co-Chair. Gene Chapman Co-Chair.
Tom Richards Ralph Hinds
- Librarian and
bleacher inspector:** Don Kemper
- Internet Guru:** Kent Rudisill
- Club storage:** Dennis Prince *who incidentally has the most extensive
collection of clubs this side of the Rockies.*
- Video:** Jerry Kagele Chair. Rudy Pineau
- A.B.A.N.A.
correspondent:** Jerry Kagele
(Anvils Ring)

Your N.W.B.A. President, Don Kemper, making sure us blacksmith types don't get our behinds dirty.



Photo By Phill Jackson

Conferences

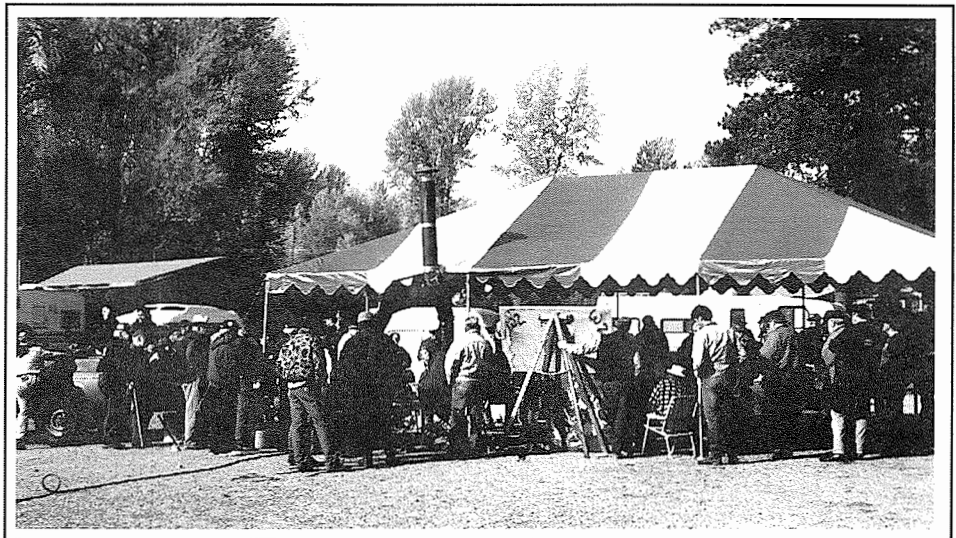
From its beginnings, the members and Board of the N.W.B.A. have had a Spring and Fall Conference, usually in April and October and alternating conference sites between Oregon and Washington. Past sites have included Astoria, Eugene, Hillsboro, Mt. Hood, Corvallis, and St. Helens, Oregon. Washington sites have included Seattle, Eatonville, Tacoma, Port Townsend, Allyn, Kettle Falls, Ashford, and Winthrop. A joint Northern Rockies Blacksmith Association and N.W.B.A. conference was held in the beautiful Bitter Root Valley near Stevensville, MT. in the Spring of 1996.

What goes on at a blacksmith conference?

Hot iron demonstrations, tooling techniques, design, patinas, heat treating, marketing, safety, you name it, and it has probably been addressed at an N.W.B.A. conference. With over thirty five conferences under our belt we strive to have local and outside talent demonstrate their own expertise in areas of hot iron interest. Conferences usually are a three day affair, Friday, Saturday and Sunday. Typically setup begins on Friday morning, renewing old acquaintances, meeting new friends, browsing the tailgate tool sales, then around 1:00 PM the first demonstrators begin and end 3-4 hours later. Saturday's demos begin around 9 AM. It's always prudent to keep an eye on any new tailgaters that might arrive late with that "buy of the century". After lunch break the second demo begins and ends around 4:00 PM. Saturday evening is "The Big Doins", either a potluck or catered meal, (we eat real good), then the famous N.W.B.A.'s auction. Items auctioned off are donated by members and include hot iron projects, tools, materials, craft work, books, even Montana honey, all sorts of interesting, artsy things that help the N.W.B.A. coffers.

Twice a year conferences kindle and rejuvenate our minds with new techniques and ideas. These times of renewal promote new thinking and we drive home afterward with visions of projects to come. Don't forget the tailgate sales, many a beginner has acquired their first anvil and powerhammer at N.W.B.A. conferences, grinning ear to ear as their prizes are loaded and ready to haul home. If you have any technical questions about blacksmithing, ask around at a conference, there are plenty of smiths willing to share their knowledge about this ancient craft.

Fall conference at
Winthrop, WA
Oct. 1996.
Japh Howard and
Gary Eagle were
demonstrators.

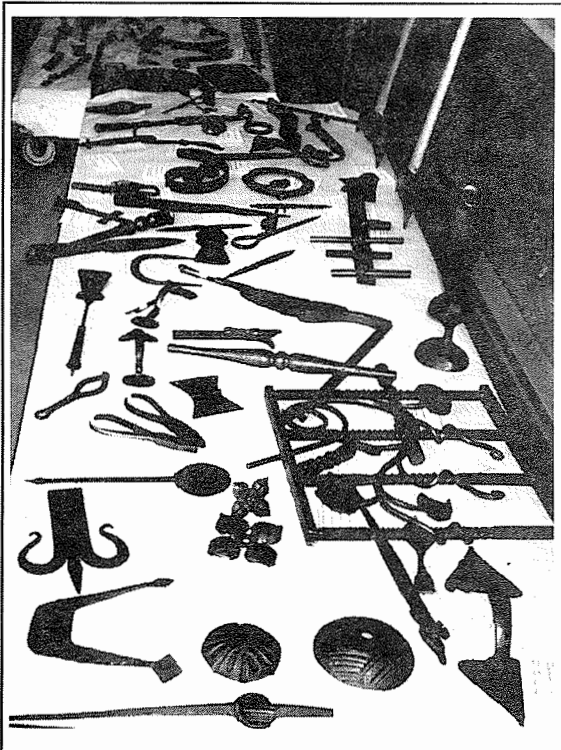
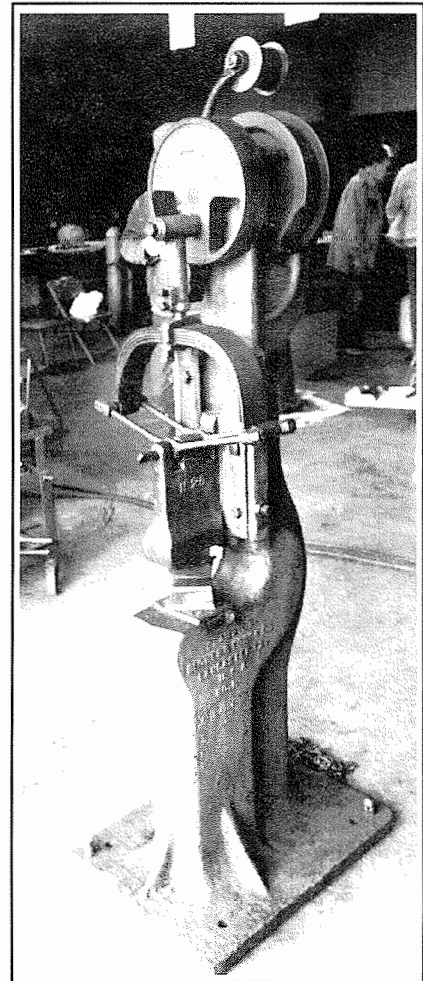


Tools, Toys and Iron



Tailgate tool sales have started many a "wannabe" blacksmith on their career. You never know what will show up at conference tailgate sales. Get there early and hang around the pickups with the "good ole boys". Bring your wallet, most of them don't take American Express.

Power hammers are a luxury that many smiths have and some dream about. The Little Giant is probably the most abundant mechanical hammer with an assortment of Champions, Murrays, Beaudrys and others helping blacksmiths pound and pound and pound. Power hammers change hands as blacksmiths upgrade. They are continually being discovered in old shops, barns and garages.

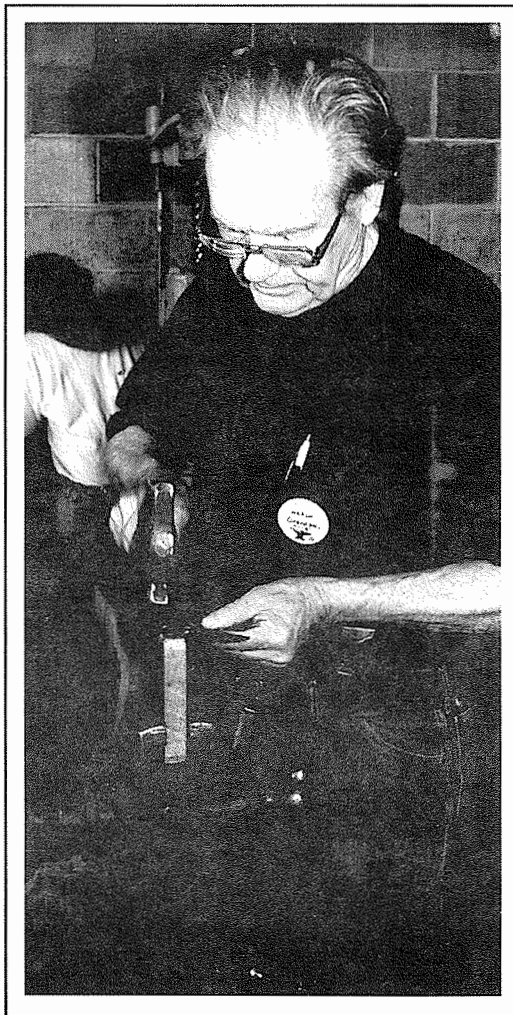
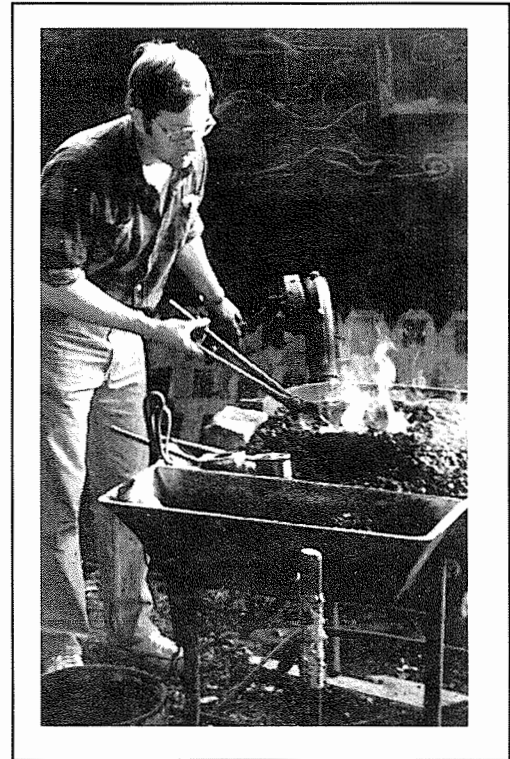


Each conference includes the N.W.B.A. archives. These are demo pieces that were forged during conferences by guest demonstrators. They are a valuable resource to smiths for ideas, techniques, finishing and just plain fun to look at.

Demonstrators

Berkley Tack has demonstrated at N.W.B.A. conferences and is a frequent instructor at N.W.B.A. workshops. Berkley still uses coal in his shop and is also comfortable using a gas forge.

The usual fare for N.W.B.A. conferences is one demonstrator from outside the association and one from within. Also late evening and night forging is available for those wanting some hands on learning and practice techniques demonstrated earlier, tutored by skilled blacksmiths.



Nahum Hersom is a master of repousse and tool making and has demonstrated at conferences and held many repousse workshops for the N.W.B.A. Nahum also gives private lessons in his shop.

Sometimes impromptu demonstrators are enlisted from the N.W.B.A. core of blacksmiths or help during the demos.

Demos provide us with fresh ideas and variations of old techniques. These stimulate new designs in the ever changing world of hot iron. This makes for exciting forged ironwork.

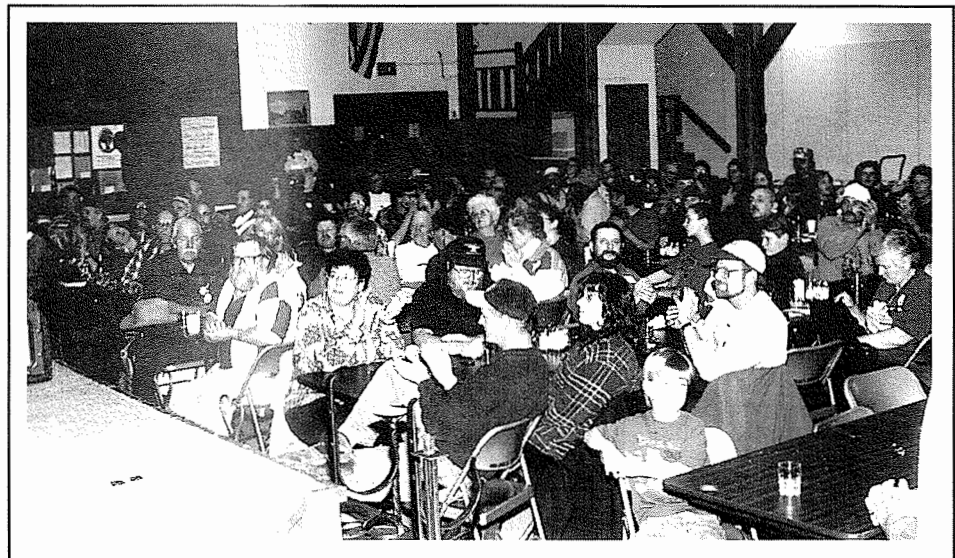
Auction Time



Auctions provide the N.W.B.A. with needed income and are the highlight of Saturday's entertainment. Jerry Culberson, our resident auctioneer, has a way of wringing that last greenback from tight blacksmith wallets. Auctions provide seed money for upcoming N.W.B.A. workshops and conferences along with backing grants, library and funding the **Hot Iron News**.

Auction items are donated by the membership. Much of it is primo quality forged iron. N.W.B.A. members take pride in the quality of their workmanship and donate freely their work. Other craft items are donated and appreciated. These have ranged from Montana honey, pottery, pillows, brooms, and an outstanding quilt made by blacksmith wives. Also donated are the tools and supplies necessary for blacksmithing: tongs, steel, rivets, books, vises and forges.

This scene was at the Saturday night auction, Oct. 1995 in "The Barn" at Winthrop WA. A record number of people attended. A hearty potluck or catered meal prior to the auction gets all the folks at ease for the main event, **"The N.W.B.A. Auction"**.





Al Bart Memorial Grant

The scholarship program has been revised to a grant system. Assistance is equally open to all current members. The board has allotted a maximum of \$1,000 per year for the grant with a maximum of \$250 per year to any one recipient. Recipients are asked to write a **Hot Iron News** article about their experience and encouraged to demonstrate what was learned to other members, whether it be evening impromptu forging at a conference or stand up in front of the crowd and show and tell. This is a volunteer duty and not mandatory. Contact N.W.B.A. board members Dennis Prince, Barney Coski or Ralph Hinds for more info.

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: _____ What amount are you asking for? \$ _____

Why do you want to attend this event and why should you be the person to receive this grant?

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, (541) 475-6505**



BLACKSMITHING ON-LINE

There are many information sources for blacksmiths on just about every on-line service and throughout the Internet/World-Wide-Web.

A.B.A.N.A. 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 A.B.A.N.A.'s page. Their URL is: [http://wuarchive.wustl.edu/edu/arts/blacksmithing/A.B.A.N.A./](http://wuarchive.wustl.edu/edu/arts/blacksmithing/A.B.A.N.A/)

To subscribe to A.B.A.N.A.'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 The Forge 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/A.B.A.N.A./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

To get subscription information about The Art Deadlines List, send the message:
SEND SUB-INFO to: 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

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 tools 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

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

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

Reprinted from Upper Midwest
Blacksmith Association

Safety Products and Suppliers

SAFETY FIRST! That old, but necessary, saying should be our main concern in the blacksmithing crafts.

✓ **1. SIGHT**

Wear safety glasses, side shields are preferred. Wear appropriate welding glasses, hoods, face shields for shop operations as required.

✓ **2. HEARING**

Wear approved ear plugs or ear muffs. Seemingly low noise levels may damage hearing over a period of time.

✓ **3. BREATHING**

Dust, ash, smoke, grinding particles and fumes are dangerous. Use approved masks, respirators for all shop operations. Have adequate ventilation.

✓ **4. FOOT PROTECTION**

Wear sturdy leather work shoes, safety toes preferred.

✓ **5. CLOTHING**

Heavy cotton or wool work clothing . . . synthetics melt. Leather jackets, chaps and aprons for welding.

✓ **6. HAND PROTECTION**

Cotton, leather or approved heat resistant gloves.

✓ **7. MACHINERY**

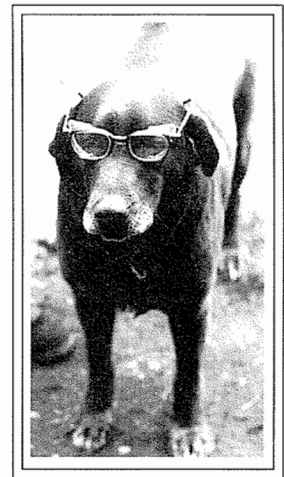
Power and hand operated tools are our friends, use wisely, follow all manufacturers recommendations.

✓ **8. KNOWLEDGE**

Know when to quit. Know your limitations, remind fellow workers about hazards. Don't mix intoxicants with work. Attend to all cuts, abrasions and injuries quickly. See your physician. **Think.**

✓ **9. ELECTRICAL**

Only use approved wiring components and approved wiring practices. All machinery and tools should be properly grounded.





SCHOOLS AND TRAINING

Allison's Wells School of Arts & Crafts Inc.
P.O.Box 924
Canton, MS 39046

Appalachian Center for Crafts
Route 3, Box 430
Smithville, TN 37166
615-597-6801

Arrowmont School of Arts & Crafts
P.O.Box 567
Gatlinburg, TN

Augusta Heritage Center
Box Cn
Davis Elkins College
West Virginia 26241-3996
304636-1903

Bear Mountain Outdoor School
Hightown, VA 24444
703-68-2700

Brookfield Craft Center
P.O.Box 122, Route 25
Brookfield, CT 06804
203-775-4526

J.C.Campbell Folk School
Route 1, Box 14A
Brasstown, NC 38902
704837-2775

Cape Cod School of Blacksmithing
13 Captain Doane Way
Orleans, MA 02536
508-240-7661

Cedar Lakes Craft Center
Ripley, West Virginia 25271

Colorado Rocky Mountain School
1493 County Road 16
Carbondale, CO 81623
303-963-2562

Connecticut School of Wrought Iron Design
Box 8116, Buckland Station
Manchester, CT 06040

Dry Canyon Forge
Joe Elliot
128 East Antler
Redmond, OR 97756
541-548-2564
Basic and advanced classes

The Forgery School of Blacksmithing
Rob Gunter
13 Innaha Road
Tijeras, NM 87059
505-281-8080

Forge & Anvil Metal Studio, Ltd.
30 King Steet
Jacobs, Ontario NOB 2NO
Canada
519-6643622

Golden Pheasant Art Metal Shop
Nahum Hersom
3011 Innis St.
Boise, ID 83703
208-345-9163
Repousse and repousse tooling

GouldAcademy
P.O.Box 880
Bethel, Maine 04217
207-824-2161

Haystack Mountain School of Crafts
P.O.Box 518
Deer Isle, Maine 04627
207-348-2306

New school and training information may be sent to the Hot Iron News editor for future publication.

Montgomery Community College
P.O.Box 787-S
Troy, NY 27371

Old Cedar Forge
Jerry Culberson
East 220 Cronquist
Allyn, WA 98524
360-275-6769
Basic and advanced classes

Old Sturbridge Village
1 Old Sturbridge Village
Sturbridge, MA 01566
503-347-3362

Penland School
Penland Road
Penland, NC 28765-0037
704-765-2359

Peters Valley Craft Center
19 Kuhn Road
Leyton, NJ 07851
201-948-5200

School of Bladesmithing
Texarkana College
2500 N. Robinson Road
Texarkana, TX 75501
903-838-4541, x-237

Sculptor of Steel
David Thompson
4440 Theona Dr.
Eugene, OR 97402
541-688-2348
Basic classes

Touchstone Center for Crafts
RD 11, Box 60
Farmington, PA 15437
412-329-1370

Turley Forge Blacksmithing School
Route 10, Box 88c
Santa Fe, NM 87501



Artist Blacksmith Association of North America A.B.A.N.A.


Blacksmithing, the cornerstone of all crafts for centuries, has come back to life. Once rendered nearly obsolete by the Industrial Revolution and 20th century technology, this ancient craft has undergone a contemporary renaissance. A new appreciation of the honest, enduring qualities of forged metal has developed. Hundreds of blacksmith shops have opened throughout North America, as public awareness has reawakened to the value of hand-crafted work.

At the heart of this revival has been A.B.A.N.A., a nonprofit, educational association dedicated to the spreading of knowledge about the craft. Started by a handful of isolated blacksmiths in 1973, A.B.A.N.A. now serves over 3,000 members.

Some of these men and women find they can earn a living with a hammer and anvil. Other members regard smithing as a hobby which provides a soul satisfying outlet for their artistic needs. A.B.A.N.A. is dedicated to preserving, promoting, and sharing technical skills and aesthetic excellence through a fine quarterly magazine, *The Anvils Ring*, the library, workshops, conferences and the A.B.A.N.A. switchboard.

The formation of regional chapters of A.B.A.N.A. has extended the spread of information and enthusiasm for blacksmithing. A.B.A.N.A. chapters hold their own meetings and workshops, as well as, publish newsletters. They make it possible for smiths to share knowledge and camaraderie more frequently on a smaller scale.

If you are moving or visiting another area of the United States or Canada, look up the nearest A.B.A.N.A. chapter from the list on page 17.



ABANA

MEMBERSHIP APPLICATION

*Includes a subscription to the Anvil's Ring
and The Hammer's Blow*

NAME _____
PHONE _____

ADDRESS _____
CITY _____

STATE _____
ZIP _____
PROV/CODE _____
COUNTRY _____

Indicate type of membership applying for:

<input type="checkbox"/> REGULAR MEMBERSHIP	\$35.00	<input type="checkbox"/> FULLTIME STUDENT	\$30.00
<input type="checkbox"/> SENIOR CITIZEN (65+)	\$30.00	<input type="checkbox"/> CONTRIBUTORY MEMBER	\$100.00
<input type="checkbox"/> OVERSEAS AIRMAIL	\$70.00	<input type="checkbox"/> PUBLIC LIBRARY	\$25.00
<input type="checkbox"/> OVERSEAS SURFACE MAIL	\$50.00		

CHECK OR MONEY ORDER ENCLOSED (*WRITTEN ON U.S. BANKS ONLY*)

VISA MASTERCARD

EXPIRATION DATE
REQUIRED

/

CARD NUMBER

Send to: ABANA, PO Box 206, Washington, MO 63090 ☎ Or phone for VISA/MasterCard by calling (314) 390-2133



A.B.A.N.A. Chapters

BLACKSMITH ORG OF ARKANSAS
 HC 67 BOX 176
 EVERTON AR 72633
 501-427-3274

ARIZONA ARTIST-BLACKSMITH ASSOC
 3533 BANFF LANE
 PHOENIX AZ 85023
 602-938-1495

VANCOUVER ISL BLACKSMITH ASSOC
 681 CALEB PIKE RD RR6
 VICTORIA BC V9B5T9 CANADA

CALIFORNIA BLACKSMITH'S ASSOC
 8095 MORNINGSIDE DRIVE
 LOOMIS CA 95650
 916-791-1236

FURNACE TOWN BS GUILD
 2 WEST ST
 BETHEL DE 19931
 302-875-9754

FLORIDA ARTIST BLACKSMITH ASSOC
 RT 7 BOX 1082-C
 TALLAHASSEE FL 32308
 904-668-2876

TULLIE SMITHS BLACKSMITHS ASSOC
 2695 S ARBOR DR
 MARIETTA GA 30066
 404-926-7177

OCMULGEE BLACKSMITH GUILD
 893 PONCE DE LEON AVE
 MACON GA 31206

ILLINOIS VALLEY BLACKSMITH ASSOC
 RR2 BOX 31
 BELLE RIVE IL 62810
 618-756-2331

UPPER MIDWEST BLACKSMITHS ASSOC
 4223 ROSE AVE
 LYONSIL 60534
 708-447-5154

NASHVILLE IN 47448
 INDIANA BLACKSMITHS' ASSOC 500 W
 WILLIAMS RD BLOOMINGTON IN
 47404 812-876-2725

GREAT PLAINS BLACKSMITH ASSOC
 PO BOX 17613
 WICHITA KS 67217

KENTUCKY BLACKSMITH ASSOC.
 1999 5905 BAY PINE DR
 LOUISVILLE KY 40219
 502-964-2130

BLUEGRASS ARTIST BS GUILD
 RR1 BOX 172
 BERRY KY 41003
 606-234-9672

LOUISIANA METALSMITHS ASSOC
 15048 WHITE OAK RUN
 PRIDE LA 70770
 504-261-6917

BLACKSMITH GUILD/CENTRAL MARYLAND
 PO BOX 592
 WESTMINSTER MD 21158
 410-848-0731

MID-ATLANTIC SMITHS ASSOC
 137 HEDGEWOOD DRIVE
 GREENBELT MD 20770
 301-474-2967

BLACKSMITH'S GUILD OF THE POTOMAC
 12800 HAMMERTON RD
 SILVERSPRING MD 20904-3523

NEW ENGLAND BLACKSMITHS
 RR #1 BOX 527
 BROWNFIELD ME 04010
 207-935-2262

MICHIGAN ARTIST-BLACKSMITH ASSOC
 2393 PARIS
 TROY MI 48083
 810-528-0473

GUILD OF METALSMITHS
 420 N 5TH RM 585
 MINNEAPOLISMN 55401
 612-825-3644



A.B.A.N.A. Chapters

BLACKSMITH ASSOCIATION OF MISSOURI
5821 HELIAS DR.
JEFFERSON CITY MO 65101
314-395-3304

MISSISSIPPI FORGE COUNCIL
PO BOX 720012
JACKSON MS 30206
601-372-5229

NORTHERN ROCKIES BS ASSOC
3606 JUDITH LN
DARBYMT 59829-9703
406-442-2280

N CAROLINA A.B.A.N.A.
NORTH CAROLINA CHAPTER OF A.B.A.N.A.
4300 DANIEL DR
WAXHAW NC 28173
704-843-6926

ALABAMA FORGE COUNCIL
RR2 BOX 509-C
MURPHY NC 28906
704-837-0708

PRAIRIE BLACKSMITHS ASSOC
PO BOX 17
PERU NE 68421
402-872-5945

ARTIST BLACKSMITH ASSOC.
OF NEW ZEALAND
8 TOLCARNE AVE
DENEDIN NEW ZEALAND

SOUTHWEST ARTIST-BLACKSMITHS ASSOC
PO BOX 0160
TIJERAS NM 87059-0160
505-821-6356

NEW YORK STATE DESIGNERS BLACKSMITHS
6450 BYRON-HOLLY ROAD
BYRON NY 14922
716-477-8290

NORTHEASTERN BLACKSMITHS ASSOC
4A BLACK ROAD
SHOKAN NY 12481
914-657-8212

NORTHWEST OHIO BLACKSMITHS
15784 CUSTAR RD
GRAND RAPIDS OH 43522-9763
419-352-5864

SOUTHERN OHIO FORGE AND ANVIL
PO BOX 284
XENIA OH 45385
513-372-9100

ONTARIO ARTIST-BLACKSMITHS ASSOC
RR 3
FERGUS ONT N1M 2W4
CANADA

PITTSBURGH AREA ARTIST-BLACKSMITHS
5096 HARDT ROAD
GIBSONIA PA 15044
412-443-0375

PENNSYLVANIA ARTIST BLACKSMITH ASSOC
RR2 BOX 618
ANNVILLE PA 17003
717-865-6445

WESTERN CANADIAN BLACKSMITHS' GUILD
GPR SITE 303 BOX 18 RR 3
SASKATOON SK S7K3J6
CANADA
306-931-0813

APPALACHIAN AREA CHAPTER
1310 WALTER REED RD
COOKEVILLE TN 38501
615-526-4969

RIVER BLUFF FORGE COUNCIL
3037 GLENGARRY RD
MEMPHAS TN 38128-2909

TEXAS ARTIST BLACKSMITHS ASSOC
PO BOX 504
CASTROVILLE TX 78009
512-538-2298

NORTH TEXAS BLACKSMITHS ASSOC
1134 MILITARY PARKWAY
MESQUITE TX 75149
214-285-1004

A.B.A.N.A. Chapters

FOUR STATES IRON MUNCHERS
RR1 BOX 266
EAST HOOKS TX 75561
903-832-1140

EAST TEXAS BS ALLIANCE
PO BOX 807
WOODVILLE TX 75979
409-283-5313

BONNEVILLE FORGE COUNCIL
4064 N PALMER RD
ERDA UT, UT 84074
801-882-8144

TIDEWATER BLACKSMITH GUILD
715 PENNA AVE
NORFOLK, VA 23508
804-623-9014

NORTHWEST BLACKSMITH'S ASSOC
8002 NE HIGHWAY 99 #405
VANCOUVER, WA 98665

INLAND NORTHWEST BLACKSMITH ASSOC
PO BOX 1471
RICHLAND WA 99352
509-967-9402

WASHINGTON FARRIERS ASSOC.
P.O. Box 481
COUPEVILLE WA 98239

BLACKSMITH ASSOC. of WESTERN AUSTRALIA
52 CLEVELAND ST
DIANELLA
WESTERN AUSTRALIA 6062

APPALACHIAN BLACKSMITH ASSOCIATION
2721 RIVERSIDE DR
ST ALBINS WV 25177-3314
304-727-6331

ROCKY MOUNTAIN SMITHS
9201 US HWY 30
CHEYENNE WY 82001
307-637-6067

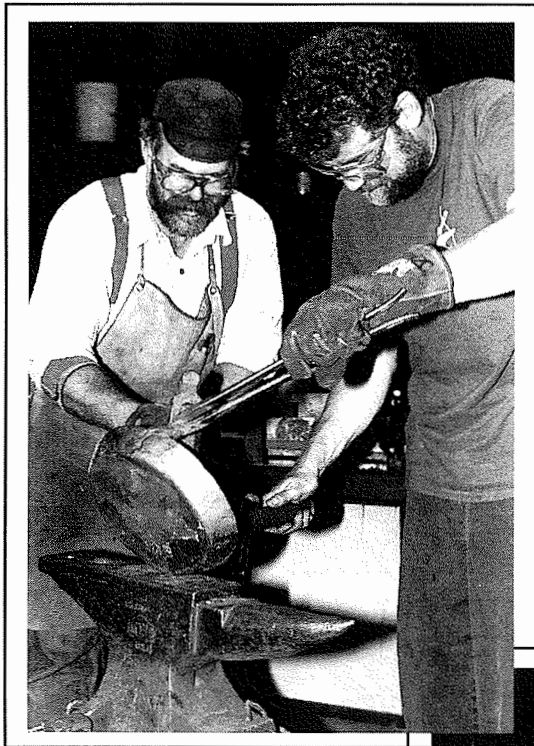
Kitchen utensils forged
by Jerry Culberson.



Workshops

The N.W.B.A. has sponsored well over 100 workshops over the years. This sharing of knowledge is what it's all about. Novice, casting, repousee, gate, bedstead, bladesmith, joinery, kitchen, power hammer rebuilding, Hossfield bender, power hammer and tooling are some of the N.W.B.A. workshops that members and instructors have benefited from since 1979.

The following forms and information sheets may help those interested in sponsoring or teaching a workshop to understand what is involved. The N.W.B.A. workshop coordinator is currently Matthew Tilton. Contact Matthew at 516 25th Ave S, Seattle WA, 98144, 206-860-0586 or any of the N.W.B.A. board members if Matthew is unavailable.



Dennis Prince and Joe Elliott forge a frying pan at a Japh Howard kitchenware workshop held in Joes' shop in Redmond, OR. N.W.B.A. workshops are usually two or three days in length. A wide variety of subjects keep us interested and hone our skills in the iron arts.

Graduation time at the Japh Howard kitchen ware workshop.



Photos by Jerry Kagele



Workshop Stuff

N.W.B.A. WORKSHOP/Function COST ESTIMATES

NAME OF WORKSHOP _____

LOCATION: _____ DATES: _____

INSTRUCTOR(S): _____

HOST: _____

COSTS: HOST'S SHOP (host may be instructor.....) \$ _____

INSTRUCTOR(S) FEES:

Instructor #1 \$ _____

Transportation, meals, lodging:..... \$ _____

Instructor #2:..... \$ _____

Transportation, meals, lodging..... \$ _____

Instructor #3:..... \$ _____

Transportation, meals, lodging..... \$ _____

FOOD..... \$ _____

FUEL..... \$ _____

STEEL..... \$ _____

SANIKAN(S) \$ _____

FLIERS & POSTAGE..... \$ _____

HANDOUTS..... \$ _____

PHONE CALLS..... \$ _____

OTHER..... \$ _____

TOTAL WORKSHOP COSTS..... \$ _____

NUMBER OF PARTICIPANTS []

WORKSHOP COST/PARTICIPANT []

WORKSHOP TUITION/PARTICIPANT []

Signed _____ Date _____

Submit to N.W.B.A. workshop coordinator.

Approved by _____ Title _____

Approved by _____ Title _____

A copy will be returned to you when workshop/function is approved.

N.W.B.A. Workshop Worksheet and things to think about

- ☞ **Time:** Season, weather, holidays, superbowl, N.W.B.A. events, other neighboring blacksmith chapter or A.B.A.N.A. conferences can affect attendance or cause conflicts.
- ☞ **Location:** Suitable for type of workshop? IS IT A SAFE SHOP?
- ☞ **Maps:** Yes
- ☞ **Students:** How many, qualifications, age, (parents usually accompany if under 16).
- ☞ **Deposit:** A 50% tuition, non refundable, deposit is fair.
- ☞ **Instructor fees:** Ask them what they want, letting them know what other instructors are paid avoids hard feelings. A contract form is available containing all details agreed to and signed by coordinator and demonstrators.
- ☞ **Host Fees: Complete** a cost estimate form
- ☞ **Costs:** Materials, fuel, sanikans, food and drink, rentals, broken or lost tools, phone calls, handouts, postage.
- ☞ **Budget:** Work up a budget with everything you can think of, then add 10%, workshop should come out in the black, student fees are based on costs.
- ☞ **Contact Person:** Usually shop host or instructor, somebody with more than a casual interest in the workshop.
- ☞ **Lodging:** Motels, camping, or possible sleeping in shop.
- ☞ **Meals:** Part of fee or extra, who goes shopping, prepares meals?
- ☞ **Advertisement:** *Hot Iron News*. Conferences, a lead time of 6 months or longer may be necessary.
- ☞ **Safety:** Safety glasses, earplugs, first aid kit, respirators.
- ☞ **Forms:** Available from coordinator.
- ☞ **Waiting list:** Always have a waiting list in case of cancellations.
- ☞ **Advance \$:** Some instructors or hosts may need advances.
- ☞ **Insurance:** Event must be officially sanctioned by N.W.B.A. for liability coverage.
- ☞ **Misc.:** Have change, somebody always pays in big bills, keep student list for future workshop use, take photos for publication, tag somebody who is taking notes for use in the *Hot Iron News*, name tags, receipt book, extra pens and pencils, stapler and paper.
A roster should be supplied to all workshop attendees before end of workshop for future reference.

N.W.B.A. NOVICE and NOVICE II BLACKSMITH WORKSHOP

February 16, 17, 18, 1996

Jerry Culberson's "Old Cedar Forge"
Allyn WA
(360) 275-6769

Sample workshop flier



- INSTRUCTORS:** Jerry Culberson, Berkly Tack ,and Gene Chapman
- SUBJECTS (Novice)** Basic blacksmithing, punch and chisel, " Poz tongs", fireplace poker, and individual projects, many demos including heat treating, forges, tooling, knifemaking, and wish I'd thought of that ideas and techniques.
- Subjects (Novice II)** Specialized instruction in areas of interest. Write a note on disclaimer or contact Jerry or Gene about intended projects so we can plan accordingly.
- HANDS ON:** This is hands on workshop, chocked full of hard work, demos, and advise about the age old art of hot iron. Bring your notebook for the demos and blacksmith wisdom.
- FEE:** \$235 for N.W.B.A. members. A \$120 deposit holds your spot in class. Refundable if someone fills your spot if you don't show.
- THINGS TO BRING:** Dress warmly, safety glasses, ear plugs, work clothes (NO POLYESTER), and cotton or leather gloves, folding chair, leather boots or shoes (STEEL TOES PREFERRED). **NOTE: YOU MUST HAVE SAFETY GLASSES AND EAR PLUGS.**
- TOOLS AND MATERIALS:** All provided, but you are encouraged to bring your favorite hammer, tongs plus anvil (if it doesn't weigh over 675 pounds).
- MEALS:** We eat good, Blacksmith style -- plenty and good, vegetarians (just let us know so we can throw a couple more turnips in). **DON'T FEED THE BEARS**, they make Jerry real grumpy when they bathe in the slack tub. Friday - lunch and supper; Saturday, breakfast, lunch and supper; Sunday breakfast and lunch.
- HOURS:** Friday 9:00 a.m. till? -- Saturday 8:00 till? --Sunday 8:00 till noon -- then cleanup and graduation, that is if you get good grades!
- LODGING:** Plenty of camping space at Old Cedar Forge, nearest motel 6 miles: Belfair Motel, N.E. 2322 Highway 3, (360) 275-4485, ask for N.W.B.A. Blacksmith rates.
- Contact:** Gene Chapman at (360) 297-2495

NorthWest Blacksmith Association



N.W.B.A. _____ WORKSHOP

Dates: _____

Fill out and sign the completed form with a check or money order payable to the N.W.B.A.

NAME (print) _____ Date _____

Address _____ City _____ State ____ Zip _____

Phone (____) _____

N.W.B.A. member fee \$ _____ with a \$ _____ non refundable deposit. (Usually 50% of fee)

Non-member fee \$20.00 (includes one year's dues in N.W.B.A.), see application below (\$24.00 out of country)

DISCLAIMER/ASSUMPTION OF RISK

I hereby acknowledge that by attending the N.W.B.A. Novice Workshop sponsored by Northwest Blacksmith's Association to be held at the shop of _____, I assume all risks and dangers that are present on the property. I specifically waive and release Northwest Blacksmith's Association, _____ and all OTHER INSTRUCTORS, of any liability, loss or damage which may result as a result of my presence on the property. All workshop participants and instructors are required to wear eye protection during demonstrations, while working, and when others are working in the shop or surrounding area.

NAME (print) _____ Date _____

Signature _____

NON-MEMBERS - Fill this out for our computer

N.W.B.A. MEMBERSHIP APPLICATION: New () Renewal ()

A.B.A.N.A. MEMBER []

Annual dues are \$20.00, \$24.00 out of country.

Please make check payable to N.W.B.A.

NAME (print) _____ Date _____

Firm Name (Optional) _____

Address _____ City _____ State ____ Zip _____

Phone (____) _____



Northwest Blacksmith Association Demonstrator's Contract

Name _____

Address _____ Zip _____

Phone: Work _____ Home _____

Event _____

Location _____

Subject _____

Hours/Date _____

Requirements _____

Shop Equipment _____

Materials _____

Demonstrators Fee \$ _____ Transportation \$ _____

Room and Board _____

N.W.B.A. Contact Phone _____

Demonstrator's Signature _____ Date _____

N.W.B.A. Representative Signature _____ Date _____

N.W.B.A. has liability insurance for sanctioned workshops and conferences.

Video taping of demonstrators may be made for club members library use (Restricted there too).



Blacksmith Tools and Supplies

A & C Distributors
PO Box 70228
San Diego, CA 92167
619-222-9946
Patinas for metal

Abcd Industries
1320 Light St
Baltimore, MD 21230
410-727-4111
Rivets in bulk

Admiral Steel L.P.
4152 West 123rd ST
Alsip, IL 60658-1869
800-323-7055
Tool steel (especially knifemakers)

Airco Welding Supplies
1411 East Michigan
Jackson, MI 49203
517-784-8177
Welding Supplies

Alaska Copper and Brass
P.O. Box 3546
Seattle, WA 98124
206-623-5800
Non ferrous metals

Alaska Copper and Brass
2440 S.E. Raymond
Portland, OR
(503) 238-7171

American Alloy Steel, Inc.
P.O. Box 40469
Houston, TX 77240
(713) 462-8081
Nickle alloy steel for knifemakers \$250 minimum order

American Punch Co.
685 Green Rd.
Cleveland, OH 44121
800-243-1492
Iron Worker punches, dies, shear blades etc.

American Steel
4033 N.W. Yeon
Portland, OR
(503) 226-1511

Anti-Borax Compound Co. Inc.
1506 Wall ST.
Ft. Wayne, IN 46804
219-422-5806
Forge welding compounds

Architectural Iron Designs Inc.
167 Dey St.
Jersey City, NJ 07306-6203
800-222-7444
Forged components, Balls, Scrolls etc

Automotive Inc/Little Giant
420 4th Corso
Nebraska city, NE 68410
402-873-6603
Parts for 25, 50, 100 # little Giant This company bought out little Giant Co.

Barry Pattern and Foundry
3333 35th Ave N
Birmingham, AL 35207
205-841-8725
Wrought steel forgings, Catalog available

Bayshore Metals inc
PO Box 882003
San Francisco, CA 94188-2003
800-533-2493
Steel, half round, half oval, Tee
Solid rivets of all kinds

Bee Industries, Inc.
P.O. Box 347
Watertown, WI 53094-0347
(800) 558-0142
Rivets, good source for blacksmiths

British Steel Alloys
10250 S.W. North Dakota
Tigard, OR
(503) 620-8810

Centaur Forge Ltd.
P.O. Box 340
Burlington, WI 53105-0340
(414) 763-9175
Anvils, tools, books, 214 page catalog



Blacksmith Tools and Supplies

Charles A. Hones, Inc.
P.O. Box 518
North Amityville, L.I., N.Y. 11701
(516) 842-8886
Industrial Gas Equipment

Chicago Rubber Co., Inc.
P.O. Box 4115
Winchester, KY 40391
(606) 745-1800
Belt grinders, contact wheels

Clackamas Steel & Mfg. Inc.
16022 S.E. Evelyn St.
Clackamas, OR
(503) 656-5028

Clyde's Iron & Steel Yard
8444 N.W. St. Helens Rd.
Portland, OR
(503) 285-2660

Cresent City Iron Supply Co
#33 W 24th ST
Kenner, LA 70063
504-467-7444
Castings, spears, locks, hardware

Custom Build Metals
11845 N.E. Marx
Portland, OR
(503) 256-3328

Eastside Steel Inc.
9949 S.E. Powell Blvd.
Portland, OR
(503) 760-6787

Farriers Supplies
26729 Highway 99 W
Monroe, OR 97456
503-847-5874
Blacksmith and farriers tools and supplies ,
coal

General Steel
3000 S.E. Hidden Way
Portland, OR
(503) 230-1433

Glendale Forge
Monk Street, Thaxed
Essex, England
Thaxted, (0371) 830466
Steel anvils 11# to 196 #, and other blacksmith
equipment

Harbor Freight Tools
3491 Mission Oaks Blvd
Camarillo, CA 93011-6010
(800) 423-2567
Tools, all kinds - imports and domestic

Harris Calorific Division
P.O. Box 4023
Elyria, OH 44036-2023
Gas welding supplies and torches

Tom Hartman
3607 N. Columbia Blvd.
Portland, OR
(503) 285-4410

Henry A Evers Co
72 Oxford ST
Providence, RI 02905
401-781-4767
Custom hand stamps, ask for Rose

Hossfeld Mfg. Co
PO Box 557
Winona, MN 55987
507-452-2182
Hossfeld universal bender and dies

Hub Wire Cloth Co
68 Vine St
Everett, MA 02149
617-387-8750
Fireplace screens

Iron Age Antiques
Bill Gichner
Ocean View, DE
(302) 539-5344
Anvils, blacksmithing tools and equipment

Jay-Cee Sales & Rivet Inc.
32861 Chesley Drive
Farmington, MI 48336
(800) 521-6777
Rivets



Blacksmith Tools and Supplies

Jere Kirkpatrick's Valley Forge and Welding
30-C.E. San Francisco Street
Willits, CA 95490
Treadle hammer kits, blacksmith tools & supplies

Johnson Gas Appliance Company
520 East Avenue N.E.
Cedar Rapids, IA 52405
(319) 365-5267
Forges

Lawler Machine & Foundry Co., Inc.
P.O. Box 320069
Birmingham, AL 35232
(205) 595-0596
Ornamental steel forgings

Lewis Brass & Copper Co. Inc.
69-61 78 Street, Box 67
Middle Village, NY 11379
(718) 894-1442 or (800) 221-5579
Brass & copper tubing, sheets, round & square, etc.

Mankel Blacksmith Shop
7836 Cannonsburg Road
Cannonsburg, MI 49317
(616) 874-6955
Anvils, gas forges, tools

M.E. Cunningham Co
Box 307
Ingomar, PA 15127
412-369-9199
Custom hand stamps

Milwaukee Tool & Equipment Co.
P.O. Box 2039
Milwaukee, WI 53201
(414) 645-0200 or (800) 394-9087
Cast steel anvils 30 to 500 lbs.

Northwest Pipe and Steel
3736 South Tacoma Way
Tacoma, WA
360-475-1821
Steel, new and used

Oregon Metal Slitters
2245 N.W. Suffolk
Portland, OR
(503) 228-6296

Pacific Machinery & Tool Steel Co
3445 N.W. Luzon Street
Portland, OR 97210
(800) 547-1091
Tool steels, excellent catalog \$25 minimum

Peddinghaus blacksmithing equipment
Valley Farrier Supply
21383 S. Yoeman Road
Beaver Creek, OR 97004
(503) 632-4366
Anvils, forges, hand tools, coal, and other blacksmith supplies

R.J. Leahy Company
486 Eighth Street
San Francisco, CA 94103
(415) 861-7161
Copper rivets

Robert Ownings Metal Design
615 Second Street
Petaluma, CA 94952
(707) 778-8261
Imported blacksmiths' hand tools

Safety and Supply Co.
5510 East Marginal Way
Seattle, WA 98134-2496
800-525-7233
SAFETY Eye, ear, respirators, hardhats etc Outlets in Portland, Anchorage, Richland. Mens and womens Wolverine Safetytoe and work shoes.
Ask for Derald Owens about shoes, Tell him your from N.W.B.A.

Sculpt Nouveau
625 W 10th Ave
Escondido, CA 92025
800-728-5787
Impressive line of patinas for all materials

Service Steel
4200 N.W. Yeon
Portland, OR
(503) 224-2000

The Steel Outlet Inc.
15243 Countryside Dr.
Aurora, OR
(503) 760-0880



Blacksmith Tools and Supplies

Portland, OR
(503) 252-5275

Timbercove Trading Company
121 H Street
Petaluma, CA 94920
(707) 779-8261

Tacoma Steel
2134 Commerce St
Tacoma, WA 98402
800-422-4096
Steel

Tremont Nail CO
8 Elm St, PO Box 111
Wareham, MA 02571
508-295-0038
Cut nails and some hardware

Valley Farrier Supply
21383 S. Yoeman Road
Beaver Creek, OR 97004
(503) 632-4366
Anvils, forges, hand tools, coal, and other
blacksmith supplies

Versa Steel Inc.
1618 N.E. 1st
Portland, OR
(503) 287-9822

Western Safety Products
1200 Mercer St
Seattle, WA 98109
206-622-7152
Safety supplies

Wire & Iron Products
950 Anderson at Fab Road
Litchfield, MI 49252-0388
(517) 542-2353
Wire mesh partition

Knifemaking Supplies

Note: Charge for most catalogs

Americana Limited
219 Stucker Ln
Smithfield, KY 40068
502-845-2222

Knives and Knifemaking supplies, catalog
\$3.00, Foreign \$6.00 Dealer prices too.

Atlanta Cutlery
2143 Gees Mill Rd.
Conyers, GA 30207
(800) 883-0300
Knives and knifemaking supplies

Cutlery Specialties
22 Morris Lane
Grreat Neck, NY 11024
Wax, cleaners, sealants, epoxy, chamois

Jantz Supply
309 W Main, POBox 584
Davis, OK 73030-0584
1-405-369-2316
Knifemaking supplies, 83 page catalog \$4.00

K & G Finishing Supplies
P.O. Box 458
Lakcsidc, Arizona 85929-0458
(520) 537-8877
Knifemaking supplies - 64 page catalog

Koval Knives, Inc.
460 Schrock Road #D
Columbus, OH 43229
(614) 888-6486
Knife Making Supplies

Masecraft Supply Co.
170 Research Parkway #3
PO Box 423
Meriden, CT 06450
203-682-5489

Northwest Knife Supply
621 Fawn Ridge DR
Oakland, OR 97462
503-459-2216
They carry Regaloy belts.

Sheffield's Knifemakers Supply
P.O. Box 141
Deland, FL 32721-0141
(900) 775-6453
80 page catalog, \$5.00

Knifemaking Supplies

Tandy Leather Company
20003 Aurora Avenue No.
Seattle, WA 98133
(206) 542-1677
Knifemakers sheath leather

Texas Knifemakers Supply
10649 Haddington #180
Houston TX 77043
713-461-8632
Knifemaking supplies \$3.00 catalog

Yankee Knife Works
P.O. Box 1491
Renton, WA 98057
(206-255-5309
Knives and knifemaking supplies

Machine Tools/Accessories

ENCO
1000 Andover Park East
Tukwila, WA 98188
800-356-0783
Machine tools and accessories

Granger
6725 Todd Blvd.
Seattle, WA 98188-4771
206-251-5030
Industrial equipment and supplies (motors)
Electric motors

Granger
6335 N Basin ST
Portland, OR 97217-3996
503-283-0366
Industrial equipment and supplies; electric
motors

Rutland Tool and Supplies
16700 Gale Ave
City of Industry, CA 91745-0587
800-289-4787
Machine tools and supplies Better than ENCO
but more \$

Misc

Alpha Supply
1225 Hollis ST, Box 2133
Bremerton, WA 98310
360-373-3302
Lapidary, Jewelers supplies and equipment Call
for catalog

ARCO Electric Products Corp.
P.O. Box 278
Shelbyville, IN 46176
(800) 428-4370
Phase convertors

Bristol Valley Hardwoods
4300 Bristol Valley Road (Rt. 64)
Canandaigua, NY 14424
(716) 229-5695
Foreign, domestic lumber and supply

Boggs Tool Processing and File Sharpening
14100 Orange Ave
Paramount, CA 90723
310-634-0839
Resharpenes files, Rifflers, burrs etc

Colonial Tin Works
PO Box 8827
Greensboro, NC 27419
800-433-5054
Tinware, lamps, hangers, country accents

Crosscut Hardwoods
4100 1st Ave. South
Seattle, WA 98134
(206) 623-0334
Hardwoods

Everything Ewenique
RD 1, Box 73, 102 Cedar lane
Mt Pleasant Mills, PA 17853
717-539-2366
Tinware, candleholders, lamps

Hammerworks Lighting
6 Fremont ST
Worchster MA 01603
508-755-3434
Colonial lighting fixtures



Misc

The Home Shop Machinist
P.O. Box 1810
Traverse City, MI 49685
Bi-monthly magazine, machinist/machinery

Hurley Patentee Lighting
464 Old Route 209
Hurley, NY 12443
914-331-5414
Tinware, handcrafted lighting

Jansen Ornamental Supply Company
10926 Schmidt Road
El Monte, CA 91733
(800-423-4494
Blacksmith supplies

Johnstone Supply
18205 Andover Park
Seattle, WA 98138-2010
800-626-9833
Electric motors, appliance parts

The Lincoln Electric Company
22801 St. Clair Avenue
Cleveland, OH 44117-1119
(216) 481-8100
Welders

Miller Electric Mfg. Co.
P.O. Box 1079
Appleton, WI 54912
(414) 735-4576
Welding equipment

Poling and Wendell
165 Marks Ave.
Lancaster, OH 43130
(614) 653-9199
Swages for spoons & ladles, swage blocks,
bicks, anvil cones

Porters Camera Store
Box 628
Cedar Falls, IA 50613-0628
800-553-2001
Cameras, photographic supplies, they have
everything.

R & B Wagner, Inc.
P.O. Box 423
Butler, WI 53007-0423
(800) 786-2111
Ornamental hollow balls and hemispheres

Rio Grande Tools
4516 Anaheim Avenue N.E.
Albuquerque NM 87113
(800) 545 6566
Tools for jewelry and supplies

Swest Inc.
11090 Stemmons Frwy
Dallas, TX 75220
(800) 527-5057
Jewelry making tools

Tempil Division Big Three Industries, Inc.
Hamilton Avenue
South Plainfield, NJ
(201) 757-8300
Temperature sensing crayons

Westminster Forge
PO Box 257
Versailles, CT 06383
203-822-8473
Handmade colonial copperware

Associations

American Bladesmith Society
PO Box 977
Peralta, NM 87042
Classes and workshops

Early American Industries Association
P.O. Box 2128
Albany, NY 12220
The Chronicle, quarterly (old time tools)

Oregon Knife Collectors Association
P.O. Box 2091
Eugene, OR 97402
Knifemakers, dealers, collectors, big spring
show

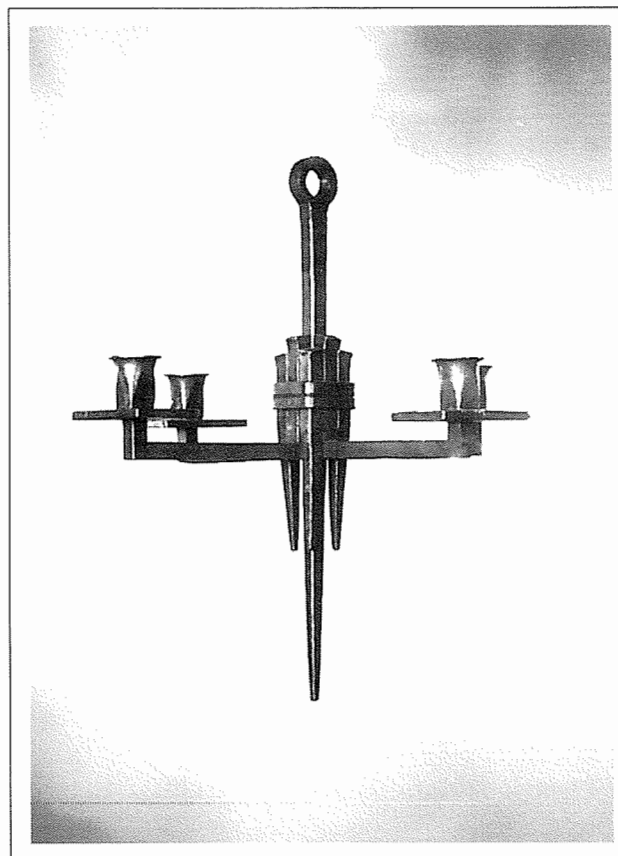
Books/Publications

The Astragal Press
PO Box 239
Mendham, NJ 07945-0239
201-543-3045
Books on tools, trades, technology

Blade Magazine
2835 Hickory Valley Rd.
Chattanooga, TN 37421
Blade also sells knife making books

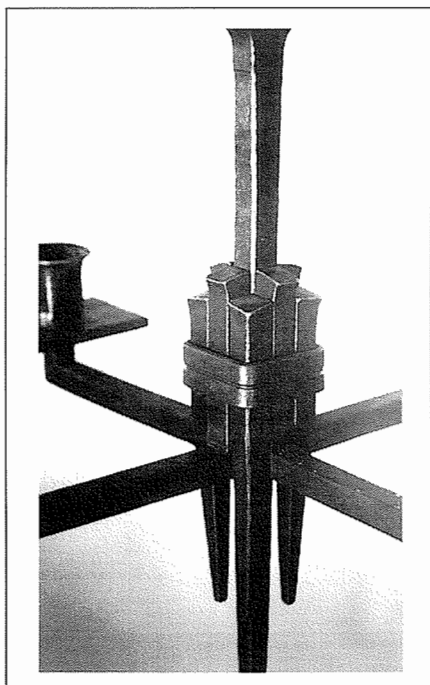
Knife World P.O. Box 3395
Knoxville, TN 37927
Monthly knife newsprint magazine, also sells
knifemaking books

Muzzle Blasts
P.O. Box 67
Friendship, IND 47021
Monthly magazine - Black Powder Shooters



Muzzleloader
Rt. 5, Box 347M
Texarkana, TX 75501
Bi-monthly Black Powder Shooters

Norman A. Larson
5426 Hwy. 246
Lompoc, CA 93436
800-743-4766
Blacksmithing, knifemaking and other
metalworking books



Candleholder and detail by Matthew Tilton.

Photos by Phill Jackson



N.W.B.A. Library

A major goal of the N.W.B.A. is to provide **educational opportunities** for our members. The library is a means by which this educational goal can be fulfilled. Every effort will be made to make access to the library easy for our members. Suggestions and donations are always welcomed (and tax deductible too).

Library operation policy

Only N.W.B.A. members shall be eligible to borrow library material. Members shall have paid up dues and **no** outstanding library infractions.

Books may be checked out for three weeks, video tapes for two weeks, unless noted otherwise. Allowance will be made for mailing time. Please note the "Mail by Date" on the label when you receive the item.

The rental fee is:

- \$6.00 for a bookThree week checkout
- \$3.00 for a pamphlet (marked "*").....Three week checkout
- \$4.00 on a video.....Three week checkout

Note: ("Power Hammer Forging") is a set of 5 tapes, rental is \$12.00 with a 30 day checkout.

These fees should cover postage (both ways).

Borrower is responsible for replacing lost or damaged books or tapes.

Shipping boxes/envelopes are recyclable. Tape shut, place the post paid, return label over the shipping label addressed to you and mail. Please try to handle and tape packages for reuse.

You may order items by title/author or by numbers. Requests for checked out items will be prioritized in order received. (NOTE: Late return of past checkout/s will drop any future reservations to the bottom of the list!)

Make checks (**NO CASH PLEASE**) payable to: N.W.B.A. Requests may be sent to

N.W.B.A. Library
% Don Kemper
20100 N.W. 61st Ave.
Ridgefield, WA 98642



N.W.B.A. Library Books

#	Title	Author
B1	The Work Methods and Tools of the Artist Blacksmith	Schmirler
B2	The Blacksmiths Cookbook, Recipes in Iron,	F. Whitaker
B3	Blacksmiths Manual Illustrated,	J. Lillico
B4	The Blacksmiths Craft- England.....	Rural Development Commission
B5	Wrought Ironwork.....	Rural Development Commission
B6	Professional Smithing	D. Streeter
B7	Practical Blacksmithing and Metalworking II	P. Blanford
B8	The Blacksmithing, Ironworker and Farrier	A. Watson
B9	The Art of Blacksmithing	A. Bealer
B10	Elementary Forge Practice	J. Bacon
B11*	Blacksmithing	J. Drew
B12*	Blacksmithing for the Home Craftsman	J. Pehoski
B13*	How To Make A Blacksmith Bellows	R. Heath
B14	1912 " Forge Work"	W Ilgen
B15*	Machine forging	Lindsay
B-16*	Machine Blacksmithing	Lindsay
B-17*	(Power) Hammer Work	Lindsay
B-18*	Drop Forging	Lindsay
B-19*	The Big Hammer	Bituminous Bit
B-20*	Treadle Hammer Tools/Operation	Bituminous Bit
B-21*	Plans For the Modified Treadle Hammer	H. Peot
B-22*	Plans For the Simple Air Hammer	R.Kinyon
B-23	Special Steels - Pacific Machinery and Tool Steel Co. Reference Book	Pacific Mach
B-24	Hardening/Tempering - Annealing & Forging of Steel - 1907	J. Woodworth
B-25*	Heat Treatment and Properties of Iron and Steel.....	U.S. Gov'tNational Bureau of Standards
B-26	"Hammers Blow" 1/1 - 4/1	ABANA
B-27*	Copper Candle Cups- Tools and Techniques	G. Chapman
B-28*	Early Ironware	E. Smith
B-29*	Early Tools and Equipment	E. Smith
B-30	Edge of the Anvil	J. Andrews
B-31	The Little Giant Power Hammer	R. Kern
B-32	The American Blacksmith- August 1914	Periodical
B-50	The Art of Wrought Metalwork for House and Garden (Schmiedkunst am Haus)	Schmirler
B-51	The Artist-Blacksmith (Der Kunstschmied)	Schmirler
B-52	Wrought Iron Artistry	Schmirler
B-53	Modern Wrought Iron (Schmiedarbeiten Von Heute)	J. Hoffman
B-54	Samuel Yellin, Metalworker	J. Andrews
B-55	Art Nouveau- decorative Iron Work	T. Menten
B-56	Catalogue of drawings for Wrought Ironwork.....	Rural Developement Comission
B-57	Wrought Iron Designs	N. Larson
B-58	Designs and Products of the Forge	C. Zimmer
B-59	Designs and Products of the Forge II.....	C. Zimmer
B-60	Iron Menagerie- Guild of Metalsmiths	Various
B-80	Antler and Iron II- Building a Mountain Man Folding Knife	G. Chapman
B-81	Basic Bladesmithing Information	W. Goddard

N.W.B.A. Library

B-82*	Penny Knife-A Colonial Style Folding Knife, Making Tools and Techniques	G.Chapman
B-83*	Little Ugliers-Blacksmith Folding Knives, Making, Techniques, Ideas, Show and Tell	G. Chapman
B-84	The Complete Bladesmith- Forging Your Way to Perfection	J. Hirsoulas
B-85	The Master Bladesmith- Advanced Studies in Steel	J. Hirsoulas
B-86	The Pattern Welded Blade- Artistry in Iron	J. Hirsoulas
B-87	The Hand Forged Knife- An Introduction to the Working of Modern Tool Steels.....	K. Schroen
B-100	Weathervanes (Wetterfahnen) C 280 Historical and Modern	C. Potz
B-101	American Antique Weathervanes-(Complete Illustrated Westervelt-1883) .	A. Westervelt
B-102	English Weathervanes Their Stories and Legends, 275 drawings	A. Needham
B-103*	Weathervanes-Past and Present	P... Mockridge
B-120	Treasury of Ironwork Designs-469 Historical Examples (Repousse)	C. Grafton
B-121	Handbook of Ornament-3002 Illustrations (Repousse)	F. Meyer

Video Tapes

#	Title	Author
V-1	Samuel Yellin's Legacy.....	Heritage Foundation
V-2	Knifemaking-Cable Damascus	W. Goddard
V-3A	Basic Blacksmithing I	House
V-3B	Basic Blacksmithing II	House
V-4A	Forging Damascus Dagger I	J. Hirsoulas
V-4B	How to Create Pattern Welded Blades	J. Hirsoulas
V-5*	Power Hammer Forging (5 Tape Series)	C. Ralph

The rental fee is:

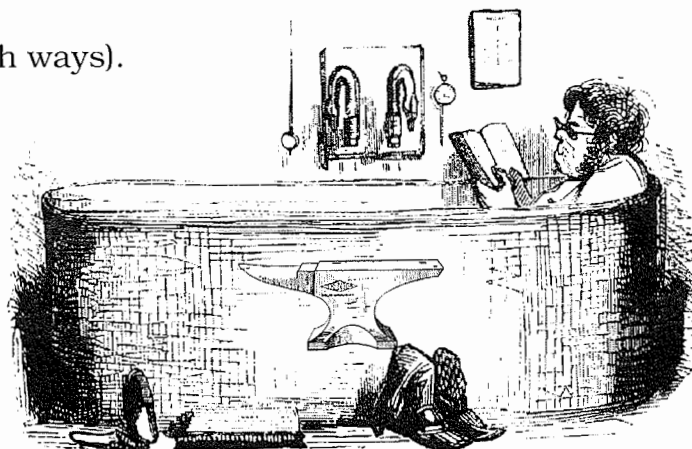
\$6.00 for a book

\$3.00 for a pamphlet (marked "*")

\$4.00 on a video.

("Power Hammer Forging") is a set of 5 tapes, rental is \$12.00

These fees should cover postage (both ways).



Booksmith at work

Anvils, Anvils, Anvils

"Where can I find a good anvil?" is probably one of the most asked questions of those interested in blacksmithing. The following is a consensus of opinions from full time blacksmiths about anvils.

Where do I find one? Ask everyone you know, meet, or talk to if they have one, know somebody who has one or even if someone is rumored to know about one. If they do, plead, whine, snivel, bribe and generally be a nuisance so they give it, sell it or throw it at you. All is fair in the pursuit of your **first anvil**. If the above fails to produce results, advertise in local papers, the **Hot Iron News**, (it's free for members), bulletin boards, leave your name in antique, junque, and used stuff shops. These folks probably meet a lot more people than you do. Go back once in a while, talk real nice, act interested in something expensive. Nothing gets a shopkeeper more interested than a big sale, they will remember you. It's amazing how many anvils are out there hidden in barns, basements and garages.

Never give up.

What are good anvil brands? Generally the following anvils are good, but there are always exceptions: Columbia, Trenton, Peter Wright, Kolshaw, Peddinghaus, Hay-Budden, Ajax, Fisher.

Testing for a good anvil. Wear safety glasses. Test for rebound by holding a good 2# hammer by its handle, parallel to the anvil face, let the head fall on the face, the hammer should rebound almost to the original height. A poor anvil will absorb much of the blow, these make you work harder than you should. **Note:** A ringing anvil may not be a sign of a anvil that will rebound well. Avoid imported cast iron anvils from China, Taiwan etc. They won't hold up to blacksmith work but make pretty good anchors if the wind isn't blowing.

Cost: Anvils range from about \$1.00 to \$6.00 per pound or more. You would be lucky to find one for under \$1.00 a pound today. Consider a good one an investment that will last a lifetime.

Is Your Anvil Worn Out?

But it is NOT beyond repair, for we can REPAIR old wrought anvils, no matter how badly they are broken.



Before buying a new anvil write for our prices—it will pay you.

The Columbus Anvil & Forging Co.

Office, Wyandotte Building
Factory, West Frankfort St.
COLUMBUS, OHIO

HOT IRON NEWS BACK ISSUES

	Winter	Spring	Summer	Fall	Amount
1996	\$8.00	\$4.00	\$4.00	\$4.00	
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					\$.
No cash please					
Make check payable to <u>NWBA</u>					
Total					\$.

Shipping Address: Name _____
 Address _____ State _____ Zip _____
 Phone _____

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



Trap and knife by Fiddlin Red. Red demonstrated at a fall conference in Monte Day's Onion Creek Forge .



Do you have a favorite resource not included in this guide? We would love to hear from you.

Please copy this sheet and fill out any new for information/sources/ideas etc., or just give the editor a call on anything which you feel would be helpful in the "more government is better", N.W.B.A. Resource Handbook. Regional suppliers, products, services would be helpful to others. Send them in and I'll update the resource handbook periodically and send out the pages with the *Hot Iron News*. Thanks, Gene Chapman, PO Box 1038, Kingston, WA 98346. 360-297-2495

Subject:

About:

Suggestions:

Submitted by _____

Address _____

Phone _____

Hinges from a Peter Ross workshop

