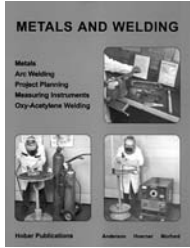


**METALS AND WELDING**

This ASAE Blue Ribbon Award winning Hobar manual is FIVE manuals in one. It contains units on Measuring Instruments, Project Planning, Metals, Oxy-Acetylene Welding and Cutting, and Arc Welding, including over 250 illustrations and pictures. Some topic areas include Metal Working Hand Tools, Soldering, Plasma Arc Cutting, Welding Plastics, and Industrial Welding Processes. Another unit is Construction Projects in Welding—a set of 23 popular metals and welding projects with bill of materials and construction details. In addition, two features making Metals and Welding a great instructional tool for students and teachers are the Classroom Exercises and Laboratory Exercises for each unit. HOBAR



**Student Manual:** 254 pages, 1987, softcover  
 Order Number: 170.....\$23.50 each, \$18.80 (10 or more)

**Answer Key:** Provides answers to all classroom exercises.  
 Order Number: 170TK.....\$2.75

**METALS AND WELDING WORKSHEETS**

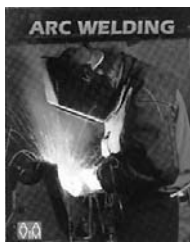
These worksheet masters have been developed to go with the *Metals and Welding* text #170. Each worksheet master includes Plan or Drawing, Procedures, Skills Taught, Materials Needed, and an Evaluation Score Sheet. Worksheet masters are sold as a set of ten. HOBAR

- Sharpening the Twist Drill Bit
- Tool Sharpening Gage
- Cold Chisel
- Tractor Drawbar Hitch Pin
- Metals Identification
- Oxy-Acetylene Welding Equipment
- Braze Welding Mild Steel, Butt Weld
- Arc Welding Nameplate
- The Arc Welding Molten Pool
- Arc Welded Trophy

**Set of Ten Welding Worksheets:**  
 Order Number: 511 .....\$9.45

**ARC WELDING, 2E**

Developed to train the beginning welder, this publication provides illustrated, detailed instruction to help make arc welding skills easier to learn. Review questions are included with each chapter. Topics covered are identifying welding equipment; selecting electrodes; careers; glossary of metal working terms; striking and running beads; welding in the flat; horizontal, and overhead positions; and hard surfacing. AAVIM



**Text:** 80 pages, 2001, softcover  
 Order Number: 910.....\$19.95 each, \$17.96 (10 or more)

**Teacher Answer Key:**  
 Order Number: 910TK.....\$5.00

**OXY-ACETYLENE WELDING TRANSPARENCY MASTERS**

These transparency masters on oxy-acetylene welding and cutting techniques may be used to prepare overhead transparencies or as illustrations for small group instruction. The topics covered include cutting, fusion and braze welding, hard facing, wrinkle bending, and soldering. In addition general information on regulators, flame adjustment, and safety is included. An excellent supplement to Hobar's Metals and Welding Manual #170. Set of 55. HOBAR

Order Number: 680TM.....\$10.55

**DVD A BLACKSMITHING PRIMER, 2E**

Virtually every task beginning and intermediate blacksmiths must master is presented here. Begins by explaining how to set up a shop and how to fabricate your own coal forge and anvil. More than 20 projects are described with over 400 detailed drawings to help increase comprehension levels. This is a reference manual that will be found lying open on the workbench more often than found on the bookshelf and is highly recommended to anyone swinging a hammer to shape hot metal. This is an excellent introduction to this glorious craft and an excellent resource for advancing your knowledge, skills, and vision for blacksmithing. HOBAR



184 pages, 2004, softcover  
 Order Number: CB1776.....\$25.00 each, \$20.00 (10 or more)

**A 6 hour companion DVD is also available!**

**DVD Order Number:** CB1776D.....\$139.95

**WELDING, 9E**

Explains gas and arc welding and cutting techniques. Tells how to set up equipment, prepare joints, adjust flame or arc using many photos. Gives the complete story on brazing, soldering, and metal surfacing. Safety precautions for welding include protective equipment, ventilation, and fire prevention. Includes handy glossary of terms and welding symbols. JOHN DEERE

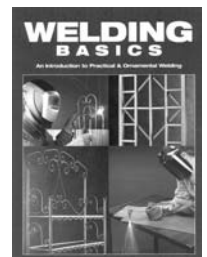


**Text:** 334 pages, 2008, softcover  
 Order Number: FOS5209NC .....\$34.95 each, \$31.46 (10 or more)

**WELDING BASICS**

**An Introduction to Practical & Ornamental Welding**

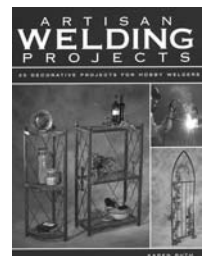
Information and step-by-step full color photos show how to successfully weld or cut metal using all the most popular processes. This book explains and differentiates the following processes: oxyacetylene welding, shielded metal arc welding, gas tungsten arc welding, plasma cutting, and oxyacetylene cutting. Nearly two dozen projects complete with tech art, cutting list, and materials list. CREATIVE PUBLISHING



144 pages, 2004, softcover  
 Order Number: CPI1392 .....\$19.95

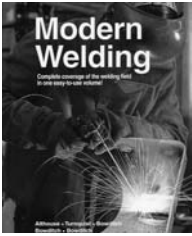
**ARTISAN WELDING PROJECTS**

Modern equipment puts basic welding skills within the reach of everyone, but once you've learned how to cut and weld steel, then what? This book provides complete plans and directions for 25 beautiful metal work projects. Each project can be easily adapted to let you develop your creativity and produce works of metal art suitable for showcasing or sale. CREATIVE PUBLISHING



112 pages, 2006, softcover  
 Order Number: CPI2801 .....\$19.95

## MODERN WELDING



*Modern Welding* is a comprehensive text that has long been the standard for teaching the theory, fundamentals, equipment, and techniques of welding technology. This text includes thorough coverage of welding symbols, testing and inspection, and getting a job in the welding industry. Strong emphasis is placed on safety and respiratory protection. Content correlates with AWS standard QC10-95, Specification for Qualification and Certification for Entry Level Welders. GOODHEART-WILLCOX

**Text:** 784 pages, 1500 illustrations, 2004, hardcover  
Order Number: 987-3 .....\$75.00 each, \$60.00 (10 or more)

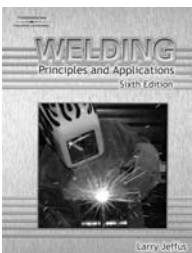
**Laboratory Manual:** 392 pages. Includes various written exercises and hands-on activities.  
Order Number: 988-1 .....\$24.00 each, \$19.20 (10 or more)

**Instructor's Manual:** 280 pages, provides teaching strategies, chapter test master, answer key, activities, and reproducible masters  
Order Number: 989-X.....\$60.00

**Instructor's Resource Binder:** contains information from instructor's manual, plus color transparencies, all in a three-ring binder  
Order Number: 990-3.....\$150.00

**Instructor's Resource CD:** Windows format, contains contents of resource binder, plus test creation software  
Order Number: 991-1.....\$240.00

## WELDING PRINCIPLES AND APPLICATIONS, 6E



This full-color edition features tight shots of actual welds to speed beginners to an understanding of a variety of different welding processes used today. Each section begins by introducing readers to the materials, equipment, set-up procedures, and critical safety information. Comprehensive coverage spans from specific welding processes to discussion of related topics, including welding metallurgy, metal fabrication, weld testing and inspection, joint design, and job costing. DELMAR

**Text:** 960 pages, 2008, hardcover  
Order Number: 5275-2 .....\$140.95 each, \$112.76 (10 or more)

**Instructor's Manual:**  
Order Number: 5276-0.....\$51.95

**Lab Manual:**  
Order Number: 5277-9 .....\$59.95 each, \$47.96 (10 or more)

**eResource CD-ROM:**  
Order Number: 5278-7 .....\$229.95

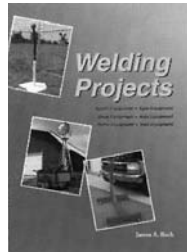


## MULTIMEDIA WELDING SAFETY

Through a combination of schematic diagrams, video and animation sequences, and still photos of tanks, regulators, and gauges, welding makes sense, even to the novice. The user is led to explore topics including welding torches, resistance spot welding, arc welding, and wire-feed welding. Navigation through the program is user friendly, with options that allow users to review or by-pass lesson segments. A teacher's utilities section is also included, allowing teachers to monitor student performance and completion of lesson materials. 1996. SHOPWARE

**Windows CD-ROM:**  
Order Number: SW20461.....\$69.95

## WELDING PROJECTS



This collection of 69 practical projects will stimulate students' interest while helping them develop and practice important welding skills. Each project consists of scaled drawings and a complete materials list. The book also contains a section on welding safety, a guide to material identification, a page showing all welding symbols used in the project drawings, and information on painting and simple upholstery as finishing touches for the projects. GOODHEART-WILLCOX

**Text:** 96 pages, 2005, softcover  
Order Number: 409-6.....\$26.64

## WELDING FOR ARTS & CRAFTS



This reference features page after page of easy-to-understand diagrams and simple, step-by-step instructions for creating some of the most attractive welded creations. Projects include animals and yard art to functional household items, seasonal projects, and more! NO prior welding experience is assumed. DELMAR

86 pages, 2003, softcover  
Order Number: 1896-9.....\$33.95

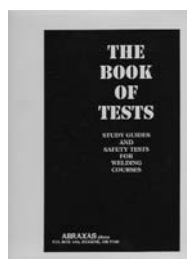


## WELDING SHOP SAFETY

Shows the proper way to store tanks, hoses, gauges, and cutting/brazing torches. Also covers the basics of testing lines for leaks, attaching gauges to tanks, and adjusting pressure settings to proper levels. Covers a variety of welding processes including MIG, TIG, and oxyacetylene. The most common concerns of welders are discussed including proper grounding of the machine and the work piece, correct applications of commercial gases, and maintaining weld tips. 30 minutes, 1995. CAMBRIDGE

**DVD** Order Number: CCP11465-D .....\$79.95

## SAFETY TESTS FOR WELDING



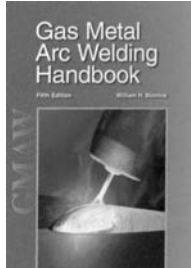
Basic Shop Safety, Hand Tool Safety, Portable Power Tool Safety, Power Equipment Safety, Oxyacetylene Welding Safety—Part One, Oxyacetylene Welding Safety—Part Two, Safe Cylinder Handling & Storage, Arc Welding Safety—Part One, Arc Welding Safety—Part Two, Drill Press Safety, Pedestal Grinder Safety, Basic Electrical Safety, Fire Prevention, Illustration: Regulator, Illustration: Torches,

Illustration: Torch Nomenclature, Illustration: Arc Welder Clamps, Cable Lugs, etc., Test Correction Form, Safety Instruction Record, Parent Notification Form, and Incident Report Form. ABRAXAS

Order Number: BT-3.....\$86.00

**GAS METAL ARC WELDING HANDBOOK**

This text provides comprehensive, easy-to-understand coverage of specific welding processes. It presents both basic skills and advanced GMAW techniques with clearly written content and hundreds of illustrations. Topics include GMAW processes, safety, equipment, weld joints, welding techniques, carbon steels, stainless steel, and aluminum. Covers identification, special welding procedures, and more. GOODHEART-WILLCOX

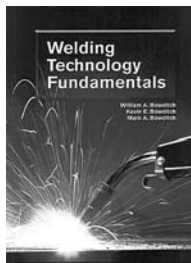


**Text:** 170 pages, 2008, hardcover  
Order Number: 866-8 .....\$40.00 each, \$32.00 (10 or more)

**Instructor's Guide:** Includes teaching tips, answer key, 12 reproducible masters covering GMAW assignments, and welding schedules.  
Order Number: 867-5 .....\$16.00

**WELDING TECHNOLOGY FUNDAMENTALS**

This comprehensive text covers the equipment and techniques associated with the welding and cutting processes most widely used in industry today. Processes include: oxyfuel gas welding and cutting, shielded metal arc welding, gas metal arc welding, flux cored arc welding, gas tungsten arc welding, and resistance welding. Technical information regarding weld inspection and testing, welder qualification, drawing interpretation and welding symbols is also included. GOODHEART-WILLCOX



**Text:** 400 pages, 560 illustrations, 2005, hardcover  
Order Number: 405-3 .....\$66.64 each, \$53.31 (10 or more)

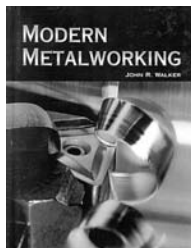
**Laboratory Manual:** 300 pages, reinforces information presented in text with written exercises and practical activities.  
Order Number: 406-1 .....\$24.00 each, \$19.20 (10 or more)

**Instructor's Manual:**  
Order Number: 407-X .....\$60.00

**Instructor's Resource CD:** Windows format, contains contents of resource binder, plus test creation software  
Order Number: 408-8 .....\$240.00

**MODERN METALWORKING**

A comprehensive text that introduces students to the metalworking industry. It provides basic information regarding tools, materials, and procedures used in metalworking. Safety information is highlighted throughout the text. It explores career opportunities in metal working. There are research and development activities for each chapter. and metalworking projects are included. GOODHEART-WILLCOX



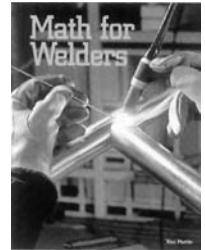
**Text:** 672 pages, over 1500 illustrations. 2004, hardcover  
Order Number: 224-7 .....\$75.00 each, \$60.00 (10 or more)

**Workbook:** 173 pages, contains a variety of questions, projects, and activities to reinforce and enrich text.  
Order Number: 225-5 .....\$20.00 each, \$16.00 (10 or more)

**Instructor's Guide:** 352 pages, contains student learning objectives, suggestions for teaching a metalworking course, and answers to text and workbook questions.  
Order Number: 226-3 .....\$66.64

**MATH FOR WELDERS**

This combination text and workbook provides numerous practical exercises designed to allow welding students to apply basic math skills. Major areas of instructional content include whole number, common fractions, decimal fractions, measurement, and percentages. Includes nearly 200 practical exercises. Provides answers to odd-numbered practice problems in back of text. GOODHEART-WILLCOX



**Text:** 224 pages, 2006, softcover  
Order Number: 583-1 .....\$40.00 each, \$32.00 (10 or more)

**Answer Key:**  
Order Number: 584-X .....\$12.00

**GAS TUNGSTEN ARC WELDING HANDBOOK**

This text edition combines hundreds of illustrations with easy-to-understand instructions. The text explains the features of the gas tungsten arc welding process, as well as the proper welding procedures used on a variety of base materials. Includes new easier-to-use presentation on weld defects and proper corrective actions. Also, up-to-date use of terminology. Contents conform with ANSI/AWS standards. GOODHEART-WILLCOX

**Text:** 288 pages, over 350 illustrations, 2006, hardcover  
Order Number: 581-5 .....\$40.00 each, \$32.00 (10 or more)

**Instructor's Guide:** Includes teaching tips, answer key, 12 reproducible masters for a variety of GTAW assignments, and welding schedules.  
Order Number: 582-3 .....\$16.00

**FLUX CORED ARC WELDING HANDBOOK**

This text provides comprehensive coverage of this widely used welding process. Presenting fundamental skills and advanced techniques in a clearly written language, this text is reinforced with hundreds of illustrations. End-of-chapter questions are used to review important concepts. GOODHEART-WILLCOX

**Text:** 176 pages, 400 illustrations, 1999, hardcover  
Order Number: 482-0 .....\$40.00 each, \$32.00 (10 or more)

**Instructor's Guide:** Includes teaching tips, assignments, answer key, and 12 reproducible masters that cover a variety of FCAW assignments.  
Order Number: 483-9 .....\$12.00

**BASICS OF GMAW AND GTAW**

**Gas Metal Arc Welding and Gas Tungsten Arc Welding**

This publication has been designed as an introductory text for those interested in Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW). Emphasis is placed on the basics of operations, application, and adjustment of equipment used in each of the welding processes. Each unit of the 2 part manual—GMAW & GTAW—is discussed under chapters covering fundamentals, equipment, adjustment and operation, welding mild steel, welding aluminum, and weld defects. Study questions are included following each chapter to assist the reader in understanding the information covered in the text. Illustrated with photos, charts, tables, and line drawings. AAVIM

**Text:** 88 pages, 1992, softcover  
Order Number: 920 .....\$16.95 each, \$15.26 (10 or more)

**Teacher Key:**  
Order Number: 920TK .....\$5.45

## METAL FABRICATION Technology for Agriculture



This text begins by introducing the equipment and materials to be used in the process. Complete instructions for setup in preparation for welding are also included. Remaining chapters concentrate on mastering individual welding techniques in various applications. Extensive coverage of brazing and specialized nonmetallic fabrication designed to lead readers step-by-step in developing the skills necessary for welding all types of machinery. Up-close shots of actual welds and proven-effective learning aids also have been built into every chapter. DELMAR

**Text:** 556 pages, 2004, hardcover  
Order Number: 1563-4 .....\$129.95 each, \$103.96 (10 or more)

**Instructor's Guide:**  
Order Number: 1564-2 .....\$2.55

## COMPLETE METALSMITH



### STUDENT EDITION

This edition has must-know information for entry-level metalsmiths. Full color, durable plastic cover, spiral binding for practical use in the shop. BRYNMORGAN

160 pages, 2004, spiral bound  
Order Number: CB2469 .....\$15.00



### PROFESSIONAL EDITION

The standard reference for jewelers and metalsmiths with expanded information for serious artists. A ridged fabric cover and elastic band make this a place to store sketches and notes. BRYNMORGAN

312 pages, 2004, spiral bound  
Order Number: CB2470 .....\$30.00

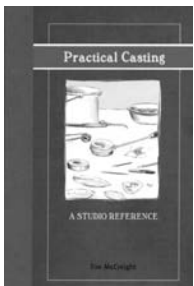
### PRO PLUS EDITION



The print Professional Edition plus a CD that includes full text, searchable by keyword, short video clips, calculation software, and additional text of books, Practical Jewelry Rendering and Design Language. BRYNMORGAN

Order Number: CB2471 .....\$45.00

## PRACTICAL CASTING



This book features clearly written instructions and hundreds of detailed drawings covering the entire process of small scale lost wax casting. From model making to burnout, this no-nonsense book will let you spend your time at the bench, not seeking information. Sections on sand casting, flexible molds, repairing and working with a foundry, make this an invaluable resource. BRYNMORGAN

160 pages, 1999, spiral-bound  
Order Number: CB843 .....\$18.95

## METAL PROJECTS, BOOK 2

Over 100 selected, student proven projects. Elementary to advanced. GOODHEART-WILLCOX

96 pages, 1974, softcover  
Order Number: 172-0 .....\$16.00

## WELDING PRINT READING

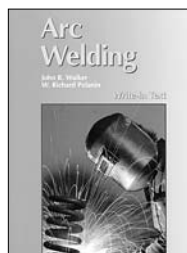


This combination text and workbook is designed to help students understand and use the various types of prints found in the welding industry. Content covers prints, math measurement, welding processes, metals, types of welds, and symbol usage. The problems in the text provide realistic and current coverage of welding prints. GOODHEART-WILLCOX

**Text:** 376 pages, 2007, spiral bound  
Order Number: 642-8 .....\$53.32 each, \$42.66 (10 or more)

**Instructor's Guide:** Includes teaching suggestions, activity ideas, and answers to review questions and print reading exercises for each unit.  
Order Number: 643-5 .....\$22.00

## ARC WELDING

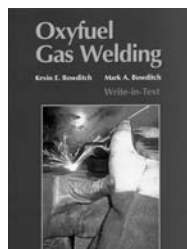


This text presents the fundamentals, skills, and techniques of this welding process. Presented in 36 easy-to-understand units with numerous illustrations, the approach of this text assists comprehension of material. Topics include measurement, safety, welds and joints, welding symbols, equipment, electrodes, career opportunities, and more. GOODHEART-WILLCOX

**Text:** 192 pages, over 300 illustrations, 2004, softcover  
Order Number: 343-X .....\$30.00 each, \$24.00 (10 or more)

**Answer Key:** Provides answers to review questions.  
Order Number: 344-8 .....\$12.00

## OXYFUEL GAS WELDING

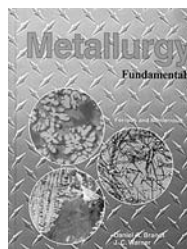


This write-in text introduces students to the fundamentals of gas welding processes in a simple, easy-to-understand manner. Extensive photos and line drawings are used to enhance understanding. Topics include safety, gases, metal identification, torches, welding symbols, backhand and forehand methods, welding joints, and more. GOODHEART-WILLCOX

**Text:** 130 pages, 145 illustrations, 2004, softcover  
Order Number: 300-6 .....\$30.00 each, \$24.00 (10 or more)

**Answer Key:**  
Order Number: 301-4 .....\$12.00

## METALLURGY FUNDAMENTALS



This text/reference provides instruction on the basic properties and characteristics of ferrous metals. Heavily illustrated to emphasize the current and practical aspects of metallurgy. Topics include manufacture of iron and steel, deformation, annealing, normalizing, case hardening, tempering, isothermal transformation, and more. GOODHEART-WILLCOX

**Text:** 301 pages, over 425 illustrations, 2005, hardcover  
Order Number: 345-6 .....\$53.28 each, \$42.63 (10 or more)

**Instructor's Manual:** 240 pages  
Order Number: 346-4 .....\$55.00

**OXY-ACETYLENE SAFETY & WELDING**



**OXY-ACETYLENE WELDING: SAFETY & INTRODUCTION**

This excellent video instructional aid provides students with a thorough introduction to oxy-acetylene equipment necessary for successful cutting and welding. Live-action footage includes: setup and safety; proper care of equipment; name, purpose, and installation of each piece of equipment; and demonstration of the correct and safe way to set up a station for operation, including setting of working pressures. 25 minutes, 1991. CEV

**OXY-ACETYLENE WELDING & BRAZING**

Proper safety, dress, and operation are discussed on this educational video program. Exceptional video footage provides students with step-by-step demonstrations of the proper way to turn on cylinders, set working pressures, and adjust flames for different uses. A discussion of rods and fluxes utilized in welding and brazing, as well as methods for metal preparation are included. Welds performed include a puddle, bead with a filler rod, butt-weld, lap-weld, T-weld, and outside corner-weld. Tinning (brazing) and multi-pass fillet (bronze welding) are demonstrated. Each weld is accompanied by expert narration and followed by an evaluation. 38 minutes. CEV

**OXY-ACETYLENE CUTTING**

Safety involved in setting up and shutting down the oxy-acetylene hand torch and track torch; proper dress and safety equipment; turning on cylinders and adjusting regulators to attain correct working pressures; assembling the torch; and equipment needed for cutting are presented via video. Ten different cuts utilizing various thicknesses of metal with the hand torch and track torch are demonstrated and discussed. 40 minutes. CEV

*Order the series and save!*

**DVD:** 120 minutes, 2 sections, 4 printable resources, and 9 web resources  
Order Number: CEV80814 .....\$156.00

**SHIELDED "STICK" METAL ARC**



**SHIELDED "STICK" METAL ARC WELDING I**

Features an in-depth examination of safety, pre-operational inspection of equipment, and proper clothing. Provides step-by-step procedure for the setup and adjustment of an AC/DC, a rectifier AC, and a standard AC welder. A Panasonic chip camera equipped with a welder's lens filter provides close-up footage of nine welds (including: stringers, butt-weld, lap-weld, T-weld, and multi-pass fillet, as well as five others) performed in a flat position. Various techniques are used to demonstrate the welds including: straight, crescent, and up and back motions. A veteran welding instructor discusses several types of electrodes and corresponding uses as well as providing on-location audio instructions for each weld followed by an evaluation. 45 minutes. CEV

**SHIELDED "STICK" METAL ARC WELDING II**

Features on-location footage of the performance of nine welds including stringer, lap, butt, and T-weld, among others performed in horizontal, vertical, and overhead positions. Each weld is accompanied by expert narration followed by discussion. 27 minutes. CEV

**SHIELDED "STICK" METAL ARC WELDING III**

Features two method of testing welds (guided bend and nickbreak). Includes preparation of metal for test samples, performing welds, and preparation of specimens for testing. Tests are made and evaluated. Includes a summary of essentials for successful welding including metal identification. 27 minutes. CEV

*Order the series and save!*

**DVD:** 60 minutes, 6 sections, 3 printable resources, and 5 web resources  
Order Number: CEV80810 .....\$117.00

**INTRODUCTION TO WELDING**



Perfect for introducing students to the world of welding, this exciting video-guide to welding basics is loaded with information. An experienced welding instructor offers insight and instruction on the following: basic safety and operation techniques; oxy-acetylene and metal arc welding; equipment; electrodes; and metal identification. Collaborator: Dr. Billy Harrell, Professor and Chair of the Division of Agricultural Sciences and Vocational Education, Sam Houston State University. 28 minutes. CEV

**DVD** Order Number: CEV839D .....\$115.00

**GAS TUNGSTEN ARC WELDING**



The step-by-step procedures necessary for safety and setup of the Gas Tungsten Arc (GTA) welder are discussed. Proper safety, clothing, and equipment are identified. Demonstrations of current, amperage, and gas flow adjustments are provided, and seven welds in the flat and vertical positions are shown. Weld demonstrations include maintaining a puddle, stringer beads, T-weld, butt weld, outside corner, and multi-pass fillet. Each weld is accompanied by expert narration and is followed by a discussion. Safety is emphasized throughout. 47 minutes, 1991. CEV

**DVD** Order Number: CEV813D .....\$115.00

**GAS METAL ARC WELDING**



Focusing on the step-by-step safety procedures involved in setup and operation of the GMA (Gas Metal Arc) welder, this informative video will stimulate student interest. Proper clothing, safety, and equipment are discussed. Twelve welds are performed in both flat and vertical positions. Each weld is accompanied by expert narration and followed by discussion. The adjustment of shield gas flow, voltage control, and wire speed are discussed. 54 minutes. 1991. CEV

**DVD** Order Number: CEV812D .....\$115.00

**OPPORTUNITIES IN METALWORKING CAREERS**

Get started in a career that has a promising future and is financially rewarding. This book provides complete overview of job possibilities, salary figures, and experience required to enter the field of metalworking. McGRAW HILL

174 pages, 2008, softcover  
Order Number: NCC9015.....\$14.95

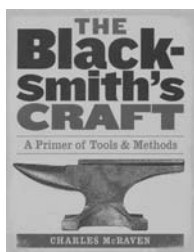


**LINCOLN ELECTRIC: FIELD TRIP**



The Lincoln Electric Company, a leader in the welding industry, is committed to providing quality welding equipment. This presentation gives a tour of the Lincoln Electric plant located in Cleveland, Ohio. It discusses the different parts of the welder and how it works by following the process of assembling the Precision TIG 225 and the Power MIG 350MP. The field trip walks through the history of the company, welding school and advancements in technology. Collaborators: Carl Peters, Director of Technical Training; Bud Fletcher, Customer Service Specialist; Rose Kirk, Domestic Logistics Manager; and Dennis Klingman, Technical Training Manager. 39 minutes. 2008. CEV

**DVD** Order Number: CEV172D .....\$99.00

**THE BLACKSMITH'S CRAFT****A Primer of Tools & Methods**

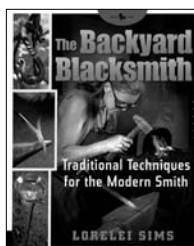
A step-by-step guide through the process of building a simple forge from recycled materials, acquiring or crafting the basic tools, and learning the techniques to get started in blacksmithing. Easy-to-follow photos throughout this book demonstrate simple methods. You'll find yourself encouraged and confident that you can create items of lasting beauty and durability from iron and steel. STOREY

248 pages, 2005, hardcover  
Order Number: CB9111 .....\$19.95

**DIRECT METAL SCULPTURE****Creative Techniques and Appreciation**

An inspirational book showing examples of sculptors that incorporate MIG and TIG welding, laser jets, waterjet cutting, and blacksmithing. Also included is the impact of the computer, the importance of Computer Aided Design, and of the Internet for successfully marketing one's art. Over 475 illustrations offer ideas, inspiration, techniques, and finished examples of art. SCHIFFER

224 pages, 2001, hardcover  
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**THE BACKYARD BLACKSMITH****Traditional Techniques for the Modern Smith**

This book's detailed step-by-step full-color exercises teach universal skills and techniques used to forge iron. It provides readers with an understanding of the properties and characteristics of forging hot metal, making the craft accessible to those without previous experience. There are more than twenty beautiful and functional projects organized by level of difficulty. CREATIVE PUBLISHING

176 pages, softcover  
Order Number: CB9123 .....\$24.99

**IRONWORK**

This is a pattern book for ironwork. A great resource for blacksmiths and anyone who has an interest in forming metal. Written in five languages and loaded with images, this book is easy enough for anyone to learn from and follow. Some of the patterns include gates, banisters, doors and windows, balconies and railings, garden equipment, furniture, locksmithing, and household objects. All the illustrations in this book are stored on a CD-ROM that is included and can be used for Mac or PC. The images are in high resolution (TIFF format) and are ready to use for any non-commercial purpose. L'ADVENTURINE

288 pages, softcover  
Order Number: CB-S069 .....\$27.95

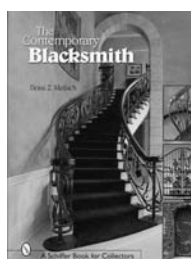
288 pages, softcover  
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**A HERITAGE IN IRON**

In the last 30 years, there has been a renaissance in the skill and art of shaping hot iron. Vince Kontry is the owner of the three ranches displayed in this beautiful full color book. He purchased his first two ranches with the sole idea to preserve the heritage

of the Old West. He did this with the help of Francis Whittaker and his blacksmith students. Once restored, both ranches were protected in perpetuity with conservation. Dashwood House was then built relying on blacksmiths to forge hinges, latches, and other ironwork like the first two ranches. The products of this association are documented in this book. DOUBLE SHOE CATTLE COMPANY

216 pages, 2004, hardcover  
Order Number: CB2480 .....\$50.00

**THE CONTEMPORARY BLACKSMITH**

Together with over 500 works by nearly 200 artist-craftsmen from 16 countries this volume illustrates the unprecedented activity in modern ironwork and the burgeoning revival of the blacksmith's art. You'll learn several techniques using hot and cold forming and find ample information for how and where to begin in the extensive resource list of organizations, Internet sources, publications, museums, and educational opportunities. SCHIFFER

256 pages, 2000, hardcover  
Order Number: CB2395 .....\$49.95

**DECORATIVE AND SCULPTURAL IRONWORK**

Beginning with the history of ironwork to discuss the ironworking shop, the forge, the tools, this book provides invaluable information on building, lighting, and maintaining a fire, and safety precautions. Basic forging procedures are explicitly shown and additional working methods are illustrated in each chapter. Ironworkers can fashion a wide variety of objects by following the clear directions and step-by-step photographs. SCHIFFER

312 pages, hardcover  
Order Number: CB2396 .....\$34.95

**ARCHITECTURAL IRONWORK**

This book showcases over 375 spectacular examples of work from more than a hundred of today's top blacksmiths, supplemented with historical works from fifteen countries. Here are examples of entry areas, doors, door hardware, staircases

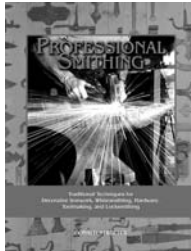
and railings, gates and fences. Today's craftsmen are pushing the potential of iron design by combining metals, adding new finishes, using modern equipment, and developing a fresh historical movement. SCHIFFER

240 pages, 2001, hardcover  
Order Number: CB9080 .....\$49.95

**PROFESSIONAL SMITHING**

**Traditional Techniques for Decorative Ironwork, Whitesmithing, Hardware, Toolmaking & Locksmithing**

Here traditional smithing techniques are presented in clear, step-by-step text and photographs, enabling the reader to produce small high-quality hand-forged ironwork. Included are detailed descriptions of work space and layout, specialized tools and techniques, whitesmithing, toolmaking, and locksmithing. There is special emphasis on the crafting of early high quality, handforged kitchen utensils, fireplace tools, locks, keys, and decorative ironware: hinges, hasps, latches, bolts, hooks, sprigs, and more. ASTRAGAL



134 pages, 1995, softcover  
Order Number: AP662 .....\$22.95 each, \$18.36 (10 or more)



**COMPLETE METALSMITH**

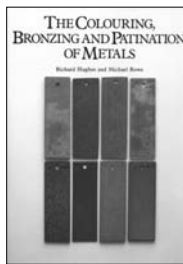
This unique video curriculum has been designed to suit everyone with an interest in creating fine handcrafted jewelry. It is a valuable resource for beginning students, teachers, working jewelers, or any serious hobbyists. Divided into color coded chapters, it covers the major elements of joining, cutting, forming, and surface techniques. Also is a chapter that illustrates how to apply the techniques presented by the making of three pieces of jewelry. 70 minutes BRYNMORGAN



DVD Order Number: CB2188 .....\$39.95

**COLOURING, BRONZING & PATINATION OF METALS**

This extraordinary book, the product of Camberwell College of Arts in Britain, brings together hundreds of recipes and treatments previously scattered in old books and papers. Classified by color and surface finish, metal artists now have access to tested and evaluated recipes for a wide range of colored finishes. Over 200 color photographs and lucid explanations document the results. WATSON-GUPTILL



372 pages, hardcover  
Order Number: CB428 .....\$85.00

**NEW EDGE OF THE ANVIL**

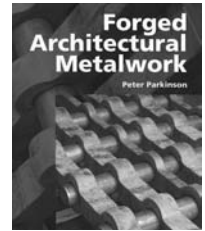
This book is a tool for blacksmiths. With drawings, photographs and charts it describes the forging processes of heating, upsetting, drawing out, forge welding, metallurgy and tool making. It explains the process of design, the use of a computer in metal design, how to set up a business and manage it. Providing an inspiration for all artist-blacksmiths are portfolios of the wrought iron work of Martin Rose and Samuel Yellin, two of America's premier metalworkers of the past. To further inspire, six contemporary metalworkers show a series of demonstration pieces of their iron work. SKIPJACK PRESS



244 pages, 1994, softcover  
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**FORGED ARCHITECTURAL METALWORK**

This book explains how to set up a safe workshop, with detailed photographs of several professionals' workshops. It explains basic forging process and assembly techniques. It covers how to survey the site for the installation and how to make sure your design fits regulations for building sites. Learn how to make handrails, balustrades, railing, fences, screens, grilles, gates and much more. This book is loaded with color photographs and line drawings to help inspire and create your own architectural metalwork. CROWOOD



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**METAL CRAFTING WORKSHOP**

Versatile and inexpensive, metal can be pierced, punched, cut, embossed, twisted, folded, and hammered. The necessary tools and supplies to get started, from point punches to pliers, are all readily available. And you can use a variety of metals both to embellish store-bought items and to create many objects, such as bookmarks, coasters, and candle snuffers. The 45 fabulous projects in this unusual workshop run the gamut from elegant tableware to whimsical party lights. Completing them will introduce you to new and time-honored techniques. STERLING



128 pages, 2006, hardcover  
Order Number: STE2450-3 .....\$24.95

**METAL EMBOSSEING WORKSHOP**

Muldoon uses traditional embossing techniques to impart luster, radiance, dimension, and texture to this versatile material. After describing the tools and supplies you'll need, Muldoon explains the simple steps required for accomplishing the basic techniques. Learn how to create borders, attach cabochon gems to add color and dimension, make metal cutouts to lend interest, and more. Then try any of the thirty projects for embellished home accessories and paper crafts. STERLING



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**GAS BURNERS FOR FORGES, FURNACES & KILNS**

Make highly efficient gas burners inexpensively. Burners are featured, which are small enough to be used for a jewelry torch or large enough to heat any ceramic kiln. Also described is a blacksmith's forge that can be carried anywhere and stored under a workbench; a portable metal melting furnace; a portable farrier's forge; a portable glass furnace/glory hole; and a mobile hot-work station that aids in combining several crafts. General information and specific designs are given, enabling the craftsman to build equipment tailored to their own desires. SKIPJACK PRESS



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## FIREPLACE ACCESSORIES



Over 400 ideas for unusual fireplace design reflect historical styles, from Renaissance to Post-Modern, and contemporary masterworks. More than 100 master artist blacksmith from nine countries are included, offering ideas, techniques, and inspirational design examples. SCHIFFER

256 pages, 2002, hardcover  
Order Number: CB9081 .....\$49.95

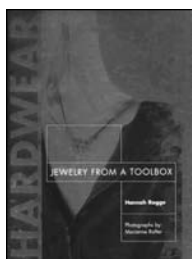
## METALS TECHNIC



Because proper technique is a prerequisite to quality work, 12 renowned metalsmiths present techniques from granulation to the newest approach to anticlastic raising through clear illustrations and knowledgeable articulate writing. BRYNMORGAN

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The simple geometry of parts and pieces you find in a hardware store make it easy to design elegant accessories and jewelry, hexagons (nuts), circles (washers), squares (L-brackets), ovals (quick links), and rectangles (hinges). In this book you will find illustrated, step-by-step instructions for making twenty-four different pieces: earrings, bracelets, necklaces, belts and much more. STEWART SHIBORI AND CHANG

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## METAL CRAFT DISCOVERY WORKSHOP

**Create unique jewelry, art dolls, collage art, keepsakes and more**



This book shows just how easy it is to create twenty fun and funky projects step-by-step, from a miniature journal to an altered lunch box. Not only will you learn secrets to cutting and joining metal, you'll also explore ways to age and add texture to metal; conjure up beautiful patina finishes with several "secret" recipes; and find further inspiration in the artists' gallery section. F & W

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## IRONWORK TODAY

**Inside & Outside**



With this book, you will gain an appreciation of the medium and its creators. Over 480 color photographs highlight objects for indoor and outdoor use, including fences, railings, gates, doors, sculpture, furniture, lighting fixtures, candleholders, and more. SCHIFFER

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## METALCRAFT FOR THE HOME

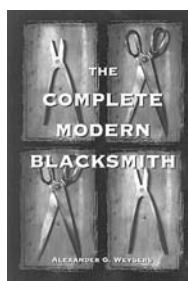


With just 3 inexpensive, easygoing materials: sheet metal, wire and wire mesh (and no special tools), you'll produce wonderful, practical, creative home items. Even beginners will win medals for professionally weaving aluminum strip chair seats and fashioning French antique-inspired wire cupboards. NORTH LIGHT BOOKS

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## THE COMPLETE MODERN BLACKSMITH

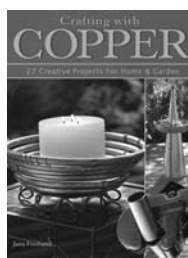


Teach yourself the lost arts of blacksmithing and tool design and repair. Design, forge, and fix your own tools, hardware, and household accessories. This book contains clear, step-by-step instructions and hundred's of the author's own detailed drawings. A truly unusual and unique resource, this book is an essential volume in any metalworker's library. TEN SPEED PRESS

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## CRAFTING WITH COPPER

**27 Creative Projects for Home & Garden**

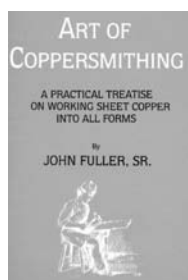


In this book you'll find complete directions for more than 25 creative copper projects. Many projects in this book use ordinary copper wire and plumbing fittings. You can build an elegant music stand or create an ingenious chandelier or a towel rack. Copper is an ideal outdoor metal too. Learn how to make a soothing water fountain, a rotating sprinkler or a celestial sphere. Learn all the skills needed to cut, bend,

shape, and join copper into any creative form you choose. CREATIVE PUBLISHING

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## ART OF COPPERSMITHING



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, 1993, soft cover  
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**IRONWORK: DYNAMIC DETAILS**

Dona Z. Meilach shows how functional joints can become beautiful elements for furniture, fireplace accessories, candlestick holders, and other iron items we use daily. Over 250 photographs display details of contemporary iron objects, including flowers, grape clusters, leaves, small and large animals that attest to the blacksmith's role as a sculptor. SCHIFFER



160 pages, 2007, hardcover  
Order Number: CB2634 .....\$39.95

**SHOP DRAWINGS FOR BLACKSMITHS**

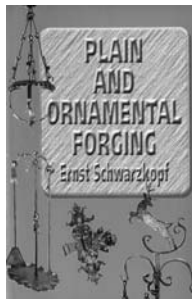
This collection of 167 vector drawings, from information published in the *Blacksmith's Journal*, provides scale line drawings of everything from tools & equipment to interior & exterior architectural items. It is a design book that can also be used as a quick reference guide for project ideas and techniques. HOFFMANN



182 pages, 2005, softcover  
Order Number: CB9137 .....\$20.00

**PLAIN AND ORNAMENTAL FORGING**

Beginning with a description of the materials used by a smith, continuing through a description of the tools and their usage, and finishing with a series of forging exercises, Schwarzkopf has crafted a course that will give one the knowledge needed to become a blacksmith. Applying that knowledge through the forging exercises will gain one the skills needed to become a working blacksmith. ASTRAGAL



282 pages, 2000, softcover  
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**PRACTICAL BLACKSMITHING**

**Part One** begins with an account of the tools and equipment of blacksmithing and continues with profuse illustrations, shop plans, and diagrams demonstrating various smithing techniques and discussions of iron and steel. There are detailed practical descriptions of smithing's central processes, including drilling, fullering and swaging. In **Part Two**, Volumes II and IV guide the reader through more practical descriptions of the central smithing processes, covering welding, brazing, soldering, forging, cutting, bending, setting, and tempering. ASTRAGAL



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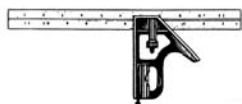


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