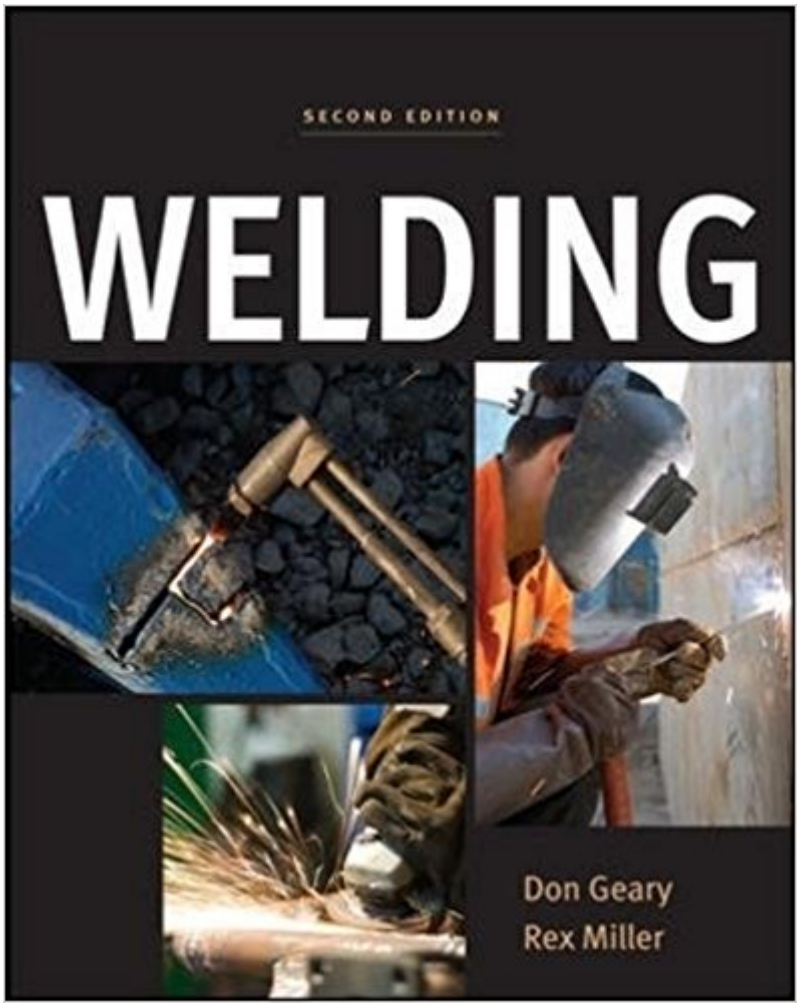
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Synopsis

LEARN THE ART OF WELDING FROM THE GROUND UP Filled with step-by-step instructions and detailed illustrations, Welding, Second Edition provides an easy-to-follow introduction to oxyacetylene welding and cutting, soldering, and basic metal properties. You'll learn how to set up your workshop, properly use welding equipment, design projects, work safely, and get professional results--even if you have no experience. With coverage of the latest tools, materials, and techniques, this fully updated, hands-on guide serves as an ideal beginner's tutorial as well as an on-the-job reference for experienced welders. Find out how to: Work with oxyacetylene welding fuels, equipment, and supplies Review other welding methods, including arc, tungsten inert gas, and gas metal arc welding Understand the properties and weldability of various metals Use the latest soldering tools and techniques Master brazing, braze welding, cutting metal, and welding thicker metals Follow welding safety procedures and troubleshoot problems Test your knowledge with end-of-chapter review questions Design and set up your own home workshop Build metal projects, including a gate, fireplace grate, and workbench

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Customer Reviews

Don Geary is the author of more than 25 how-to books on a variety of shop and construction skills. He has written numerous articles that have appeared in Popular Science, Popular Mechanics, Family Handyman, and other publications. Rex Miller is Professor Emeritus of Industrial Technology

at State University of New YorkÃ¢â ¬â ¢College at Buffalo, where he taught technical curriculums for more than 40 years. He has authored or coauthored more than 100 books for vocational and industrial arts programs, including Welding Licensing Exam Study Guide (McGraw-Hill).

The first thing you need to know is this book is a SECOND edition. The first edition is also for sale here and they are pretty comparable in price...so if you want the latest version, this is it. For that reason, I will not link to the older version here. I just don't see a reason to do so when this new version is available and it is almost the same price as the older one. I have read both of them, there is little difference and certainly not enough to make owning both of them worthwhile. For those who need to know, this version (the second edition..) is apparently pointed more toward classroom instruction than the previous edition. That is to say it is designed so that it COULD be used for classroom instruction (not that it should..). One of the main differences is the inclusion of chapter review questions in this edition that were NOT in the first edition. After reading through the text and moving on through several chapters, I went back to the review questions for a couple of chapters...I could answer most of them, but some were a little obscure and required me to look back through the text. Not a bad thing at all.Just a few quick notes here. This book is a very good primer for Oxyacetylene processes. That is what it was designed for and that is what it does well. I think everyone who aspires to be an accomplished welder needs to know how to gas weld.....as well as the other Oxyacetylene processes. All of the basics are firmly entrenched in traditional welding as practiced by wielders of the torch. All of the background is here as well as safety precautions and basic welding theory. This is where every beginning welder should start.If we can agree that welding is 'fusion' and it requires the ability to make and carry a 'puddle' of molten metal along a designated path, then this book will help you understand and gain that ability. And while this book deals exclusively with Oxyacetylene welding, the basics that it teaches will definitely 'carry over' to other forms of welding such as SMAW (traditional arc welding..), GMAW (also know as MIG welding..), GTAW (also known as TIG welding..), and FCAW (flux core arc welding..). All of these different processes REQUIRE that you know how to make and carry a 'puddle' just like this book teaches. That is why learning how to Oxyacetylene weld FIRST makes so much sense.In addition to welding, there are chapters dedicated to safety, and Oxyacetylene cutting as well. If you need to start with gas welding, as I contend that you do, you also need to know how to use the equipment to cut, braze, braze-weld, and solder. All of these subjects are covered in this book---and covered well.So, if you are a beginner and are looking for a path to knowledge....looking for a path that leads to being a competent welder, then this is a great place to start. Yes, it is a beginners book in some ways, but

a useful reference as well. I am certainly not a beginner, but I found this book to be very valuable. And I have in fact started reading it a second time. It is that good!!Five stars for a very nicely done publication on welding...specializing in Oxyacetylene processes.

Pretty good beginner level information in this book. I like the focus on OxyAcetylene, because I feel every new welder should know OAW before other processes. The book has a good amount of illustrations in it, which I think are important for beginners. A lot that you do in welding and cutting with gas relies a lot on sights and sounds as you're doing it. For instance, you need to be able to see & recognize what the metal looks like when it is time to start moving the torch to create your weld or when it is time to add oxygen to your flame to begin a cut. Unfortunately, I don't think they did a good enough job with the illustrations in this book. A black & white piece of line art is only marginally better than nothing at all, in my opinion. Replace these illustrations with photographs and I'd give this book 5 stars.Keep in mind, this is a beginner's book and really aimed mostly at hobbyists, not someone looking to make it a career (at least in the short term)

Just a few quick notes here. This book is a very good primer for oxyacetylene processes. That is what it was designed for and that is what it does well. I think everyone who aspires to be an accomplished welder needs to know how to gas weld.....and other oxyacetylene processes. All of the basics are firmly ensconced in the traditional welding as practiced by wielders of the torch. All of the background is here as well as safety precautions and basic welding theory. This is where every beginning welder should start (IMHO).The only problem with this book is.....there is a newer edition of it available. It is co-authored, and appears on first glance to be exactly the same, EXCEPT....it is slanted toward formal classroom instruction slightly by including end of chapter 'Review Questions'. The newer (second..) edition,Ã Â WeldingÃ Â therefore, is the one to purchase....not for the review questions...but just because it has been updated slightly (I think..??). I have not finished reading through the second edition yet (although I have purchased it..), so I can't say for certain if there is any NEW information in it. I would just get the second edition because it is newer, and almost the same price.So, if the new version is worth 5 stars (hmmm, maybe..??), then this older version is only worth 3 stars just because it has been replaced. Having said that, if this version is the only one available I would not hesitate to buy it. The information is very good and very readable.

I bought this book on the strength of previous reviews and absolutely no experience at welding, brazing, silver-soldering, silver-brazing, sweat-soldering, or any other metal-joining skill beyond

electronics soldering. It was a good choice. The author covers his subject thoroughly, clearly knows much more than he can pack into this book, and is able to present it all in an understandable fashion. There may be other books aimed at welding specialties that cover them in greater depth than this book does; this can tell you enough to let you decide whether you need more info or not. There is enough here to enable a neophyte to select, intelligently, the equipment required to accomplish whatever project he is considering. The rest is practice. The only thing lacking in the text is minor: a single color section demonstrating the differences in flames for different purposes. That information is carried by black-and-white line drawings in this book. They may be enough; I would feel a bit better-informed with a color photo (or illustration, for that matter).

Good book, lots of information on gas welding and some useful beginner-level knowledge on other topics related to welding; safety, careers, metallurgy/metal selection, etc. I will reiterate what others have said... if you are in need of information or instruction on any other welding style than oxy/acetylene, this is probably not the book you’re looking for.

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