



Industrial Press, Inc. | NEWSLETTER

Focus on Licensing and Certification

A WORD FROM OUR EDITOR

In 2018, Industrial Press is helping readers pass critical exams in their fields. Getting certified can lead to a higher position at work, an increase in salary, a way to round out a resume, or to apply for a different job. This issue focuses on two study guides: *Plumbing Licensing Study Guide* and *1,001 Questions & Answers for the CWI Exam*. Each guide will effectively get students and apprentices up to speed to help them ace their licensing and certification exams. Learn more about these books from the “Q&As” with our experts. We hope you enjoy this newsletter, and, as always, look forward to hearing your comments. - **Judy Bass, Editorial Director**



Construction is Booming. Skilled Plumbers Needed!



Mark R. Miller



Rex Miller

Rex Miller: There are a large number of residential dwellings under construction and planned for the near future. Additionally, society has become very dependent on a plumbing system in their homes. The demand for more maintenance personnel is obvious, and well trained and knowledgeable plumbers are urgently needed in the U.S. We see this textbook/study guide filling a critical need to assist those taking the licensing exam and pursuing a plumbing career.

Mark Miller: I have lived in a variety of homes over my life where the previous owners and/or inadequately trained plumbers have improperly installed the plumbing, leading to premature failure. It is the intent of the authors of this book to assist in the proper training of plumbers to prevent those headaches for homeowners.

A conversation with father and son authors, Rex Miller (professor Emeritus of Industrial Technology at State University of New York, College at Buffalo) and Mark R. Miller (Professor and Coordinator of Industrial Technology at the University of Texas at Tyler).

IP: This question is primarily for Mark. As father and son authors, on the surface it would seem that the apple didn't fall far from the tree for you. However, surely there were individual experiences that influenced your decision to pursue the path you have taken. Please tell us about how you got your start.

Mark Miller: I always looked up to my Dad and loved to tinker so I thought being a professor of Industrial Technology would be great career choice. You never get bored because you teach a variety of courses and technology continually changes. Furthermore, I like to help people, so assisting students reach their career goals is always worth the extra time you put into teaching.

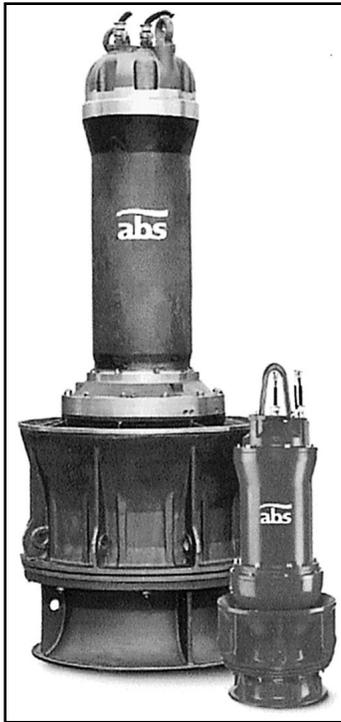
IP: Collectively you've written numerous textbooks, guides, and articles. What drove you to write your latest collaboration, *Plumbing Licensing Study Guide*?



Cast Iron Fittings

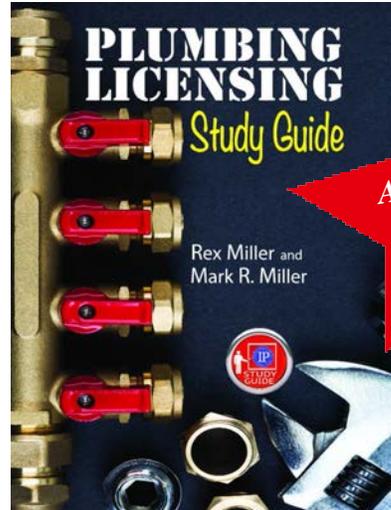
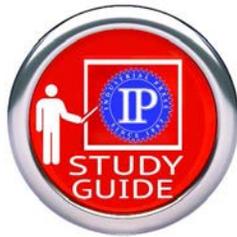
IP: There are several guides available similar in nature to *Plumbing Licensing Study Guide*. What distinguishes yours from the competition?

Rex Miller: From the start, it has been our goal to provide an all-in-one source that covers the entire plumbing trade for students, apprentices, and journeymen. This guide does just that while giving consideration to all state exams. We also go one step further by including tools and instruments to familiarize individuals with these time-saving devices and their correct utilization.



Submersible propeller pump or large volumes of water or sewage (ABS)

Mark Miller: This guide is not just composed of questions that you may see on the exam, but it also contains content from where the exam questions are derived. Students will find valuable tips and illustrations of various tools and equipment used in the trade. Practice questions with answers are organized as to individual aspects of the trade, and some suggestions for taking tests and studying for exams are included. Suffice it to say, there is a lot of material packaged in an affordable paperback format. ■



PLUMBING LICENSING STUDY GUIDE

By Rex Miller and Mark R. Miller

Pages: 350, Softcover

ISBN (print): 978-0-8311-3625-3

Price: \$49.95

ISBN (ebook): 978-0-8311-9470-3

Price: \$39.95



APPLICATION FOR JOURNEYMAN PLUMBER EXAMINATION FOR LICENSING

State Form 40602 (R19 / 8-16)
Approved by State Board of Accounts, 2016

**INDIANA PLUMBING COMMISSION
PROFESSIONAL LICENSING AGENCY**
402 West Washington Street, Room W072
Indianapolis, Indiana 46204-2724
Telephone: (317) 234-8800
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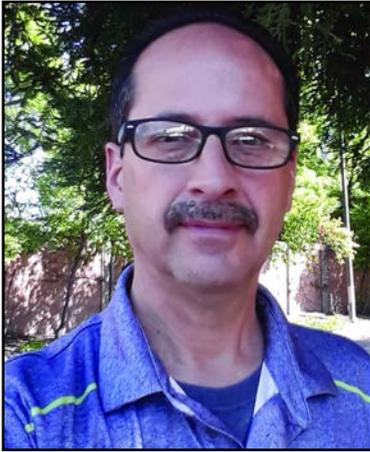
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FOR OFFICE USE ONLY		
Application fee	Date fee paid (month, day, year)	Receipt number
License number	Date issued (month, day, year)	

DO NOT WRITE ABOVE THIS LINE

SECTION 1 - APPLICANT INFORMATION (To be completed by all applicants.)	
Name (last, first, middle, maiden)	Social Security number *
Address (number and street)	
City, state, and ZIP code	
Date of birth (month, day, year)	Place of birth

Sample Application for the Licensing Exam



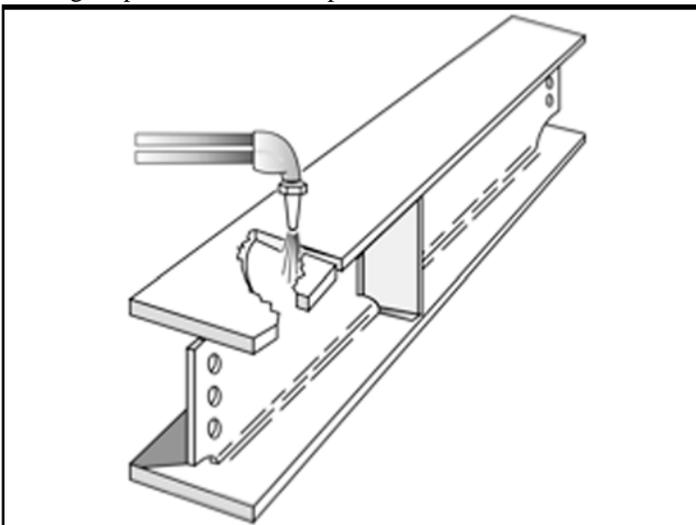
The Evolution of a Study Guide for the CWI Exam!

*A conversation with
Nondestructive
Testing and Visual
Inspection Advocate,
David Ramon
Quinonez.*

IP: Can you tell us how you got started and the experiences that led to your career choice?

Quinonez: What led to my career choice was an encounter with someone with whom I eventually became a co-worker and a great friend. Mo Fernande was performing ultrasonic testing (UT) on the pressure hull of a Los Angeles Class fast attack nuclear submarine. We both worked at Mare Island Naval Shipyard from the 80's through the early 90's. I had spent a few hours removing the paint and preparing the surfaces prior to the UT, and was there on standby to assist him should any more surfaces need cleaning. Mo performed the calibration on his oscilloscope, and scanned all the surfaces (I had just spent hours cleaning) in a matter of minutes. It was at the moment he said thanks and started to leave that I had an epiphany and knew it was time for a career change.

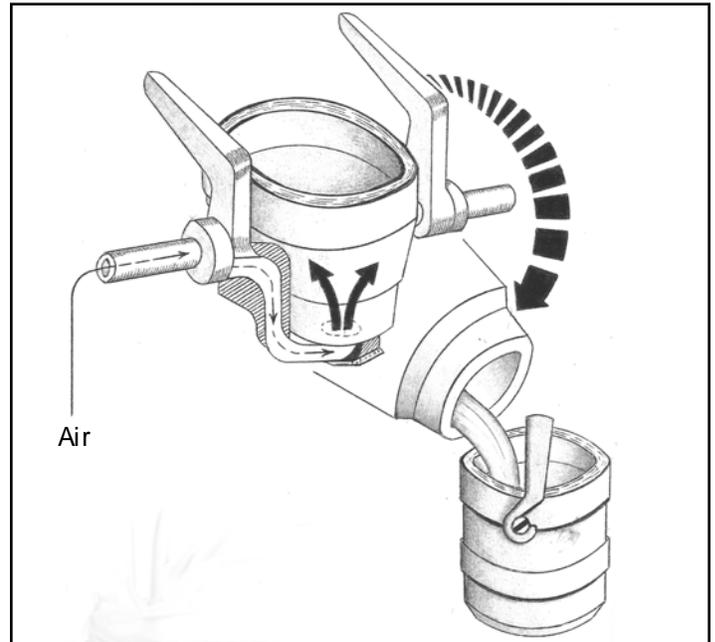
I stopped Mo and we spoke at length about what education and training I needed to get into the field of Nondestructive Testing. After more than a year of night classes for ultrasonic testing and the study of the other NDT methods used, I interviewed and was hired as a Metals Inspector at the shipyard. NDT and welding inspection has been a passion of mine ever since.



I-beam

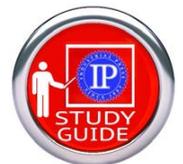
IP: 1,001 Questions & Answers for the CWI Exam is your first book. What was the driving force that led you to its creation? As a first-time author, please explain how your practical experiences aided in writing this guide.

Quinonez: *1,001 Questions & Answers for the CWI Exam* originally started out as a couple of hundred random questions and answers that I wrote for myself as self-study material. I have been an AWS-CWI since 2000, but found that among all of the excellent publications from the American Welding Society and other sources, that there was no dedicated study material fashioned like a sample exam for the fundamentals (Part A) portion of the CWI exam.

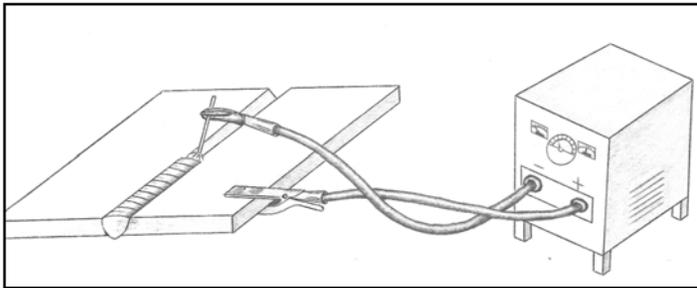


Steel Manufacture

I sought to make it even more difficult and realistic by including some write-in answers that challenged me to actually know the material and avoid trying to memorize multiple choice questions that could be similar in content, but not worded the same as the actual exam. Over time I continued to add questions. By the time I reached 500 or more questions, I realized that I needed to organize them into individual chapters. The end result of this work includes 14 separate chapters covering everything from the most popular welding processes, brazing and soldering, welding symbols, discontinuities, welding metallurgy, electrical safety, power supplies, and qualification and certification. There are over 140 figures and tables, and a listing of industry resources included in the appendices. The wide range of information in this study guide is sure to have something for everybody.

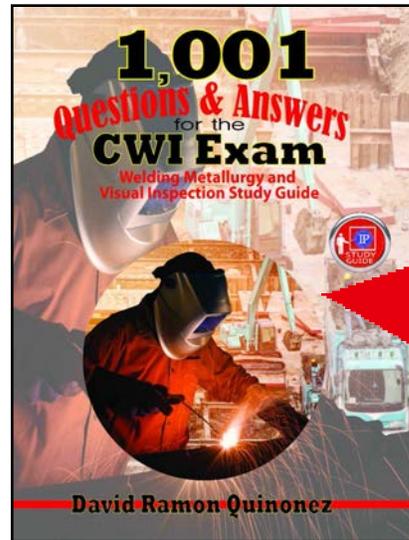


IP: There are several resources on the market that help with studying for the CWI exam. Why should inspector candidates choose yours?



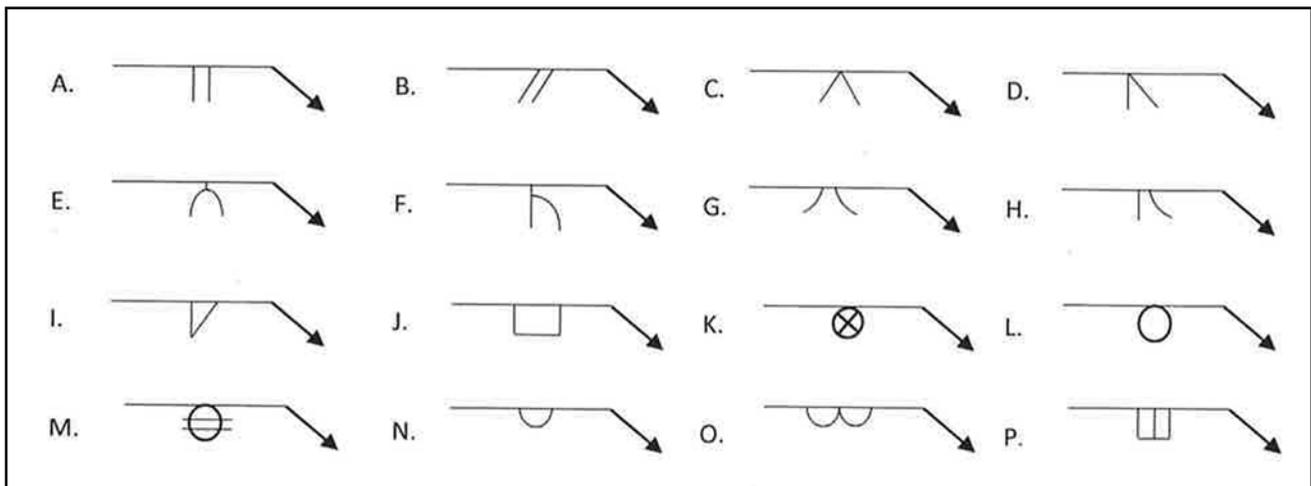
Shield Metal Arc Welding Process

Quinonez: There is currently no publication available that is a dedicated preparatory or sample exam such as this work. Yes, there are many excellent resources and training materials already out there, which I highly recommend and even mention in the introduction. My intent was never to try and compete, but instead supplement the existing materials with something unique and sorely needed. Another great benefit to this work is that there is no expiration date like seen with most code books and standards. The welding and visual inspection fundamentals covered in this study guide is based on sound and proven knowledge that will benefit users for years to come. ■



1,001 Questions & Answers for the CWI Exam
Welding Metallurgy and Visual Inspection Study Guide

By David Ramon Quinonez
 Pages: 350 pages, Softcover
 ISBN (print): 978-0-8311-3629-1, Price: \$49.95
 ISBN (ebook): 978-0-8311-9482-6, Price: \$39.95



Welding Symbols

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