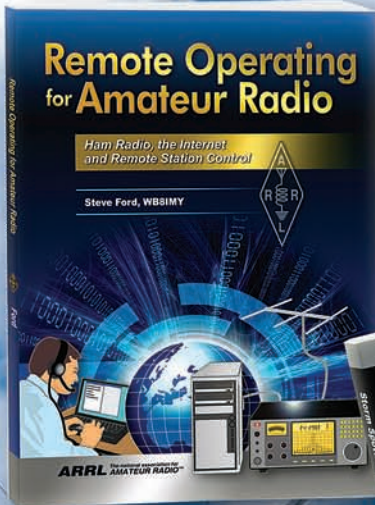


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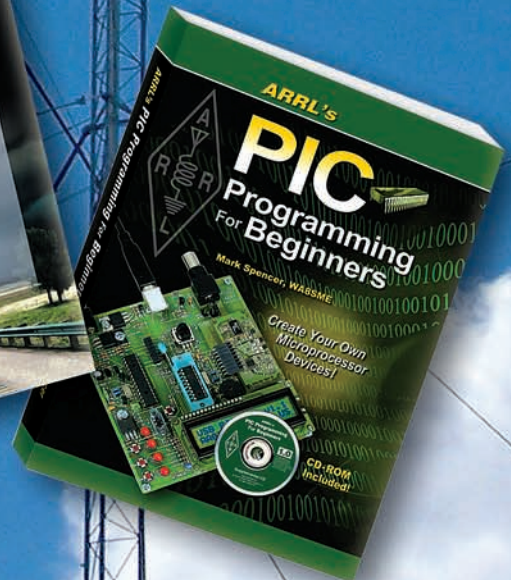
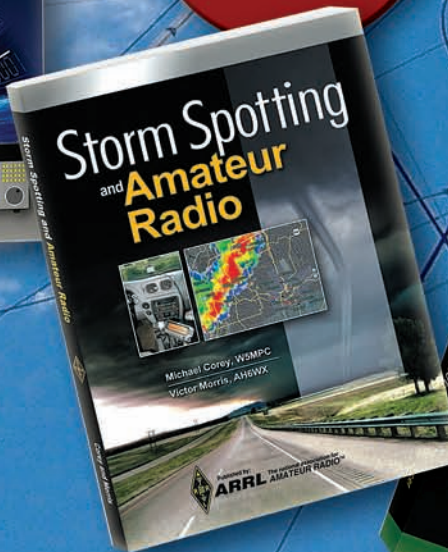
ARRL Publications & Products

Spring/Summer 2010

Amateur Radio



NEW!
Books from
ARRL
Details Inside

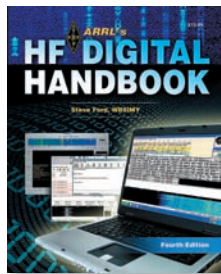
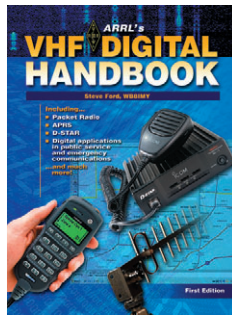


ARRL The national association for
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Everything you need to get started in digital radio applications. You'll understand how to setup and operate your equipment and software, and make the best use of your VHF digital station. Includes Packet Radio, APRS, D-STAR, digital applications in public service and emergency communications, and much more!



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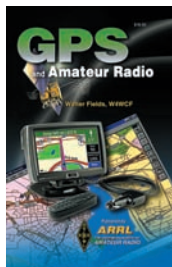
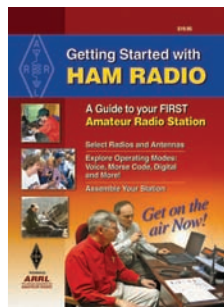
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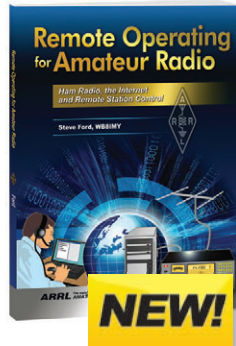
Includes the complete Part 97 rules from Title 47 of the Code of Federal Regulations. Now including: *The FCC Rules and You*.



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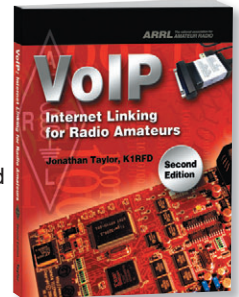
Ham Radio, the Internet and Remote Station Control
Steve Ford, WB8IMY
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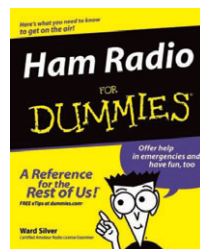
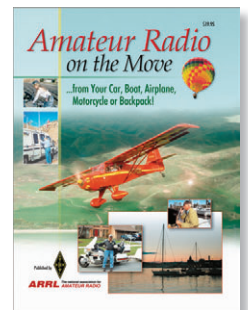


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Expert advice for radio operating on the go! Mobile radios, installation, antennas, operating tips, software and more.

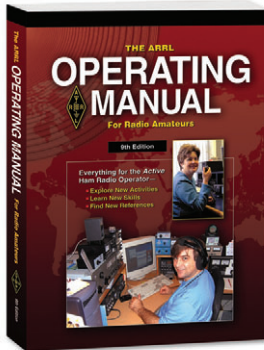


Ham Radio for Dummies

Ward Silver, N0AX
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Here's the scoop, including licensing requirements and how to set up a station.

And if you're already licensed, this book will help you start sounding (and feeling) like a pro! See page 13 for more Dummies titles.



The ARRL Operating Manual 9th Edition

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The ARRL Operating Manual is the most complete book about Amateur Radio operating. It was written to help guide you through the dozens of ways hams communicate with each other. It contains information that every ham needs:

Beginners – explore the broad range of ham radio activities.
Intermediate hams – sharpen your skills and earn awards.
Experienced hams – find new references, details on new technology, and new ways to enjoy your favorite activities.

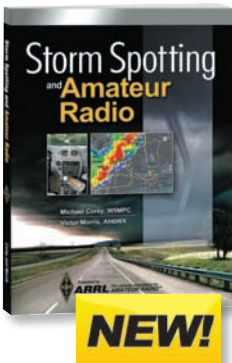
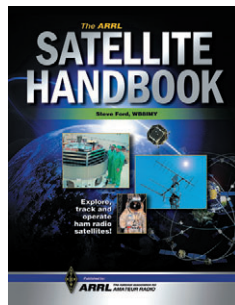
Contents:

- Amateur Radio – All About Operating
- VHF/UHF – FM, Repeaters, Digital Voice and Data, SSB and CW
- Emergency Communications
- Traffic Handling – Getting the Message Through
- DXing – Contacting Those Faraway Places
- Contesting – Competitive Wireless
- HF Digital Communications
- Image Communications
- Amateur Satellites
- The FCC Rules and You – Operating Legally, Safely, and Appropriately
- Operating Awards
- References – Call Sign Prefix List, Antenna Bearing Maps, Abbreviations, and much more.

The ARRL Satellite Handbook

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Bring the thrill of satellite communications within your reach! Filled with understandable descriptions and illustrations, this book includes all the tools you need to participate in this exciting field.



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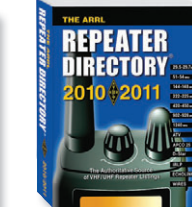
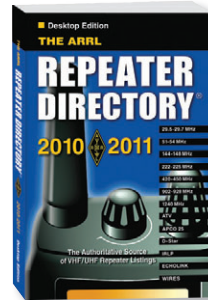
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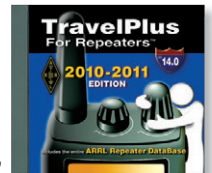
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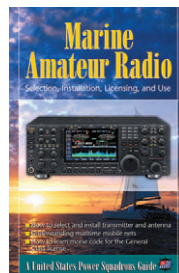
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- Access The ARRL Repeater DataBase, global Internet linked nodes, AM/FM radio, broadcast television, NOAA weather stations, USA and Canadian licenses, and ham radio points of interest.
- Export data for radio programming, handheld devices, and more.

Requires Microsoft Windows™ XP or Vista. GPS feature requires a GPS device. Upgrade available for previous customers. Contact ARRL for details.



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What is Amateur (Ham) Radio?

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Analog Basics
Digital Basics

PRACTICAL DESIGN AND PRINCIPLES

RF Design Techniques
Computer-Aided Circuit Design
Power Supplies
Modulation
Oscillators and Synthesizers
Mixers, Modulators and Demodulators
RF and AF Filters
Receivers
Transmitters
Transceivers
DSP and Software Radio Design
Digital Modes
RF Power Amplifiers
Repeaters

ANTENNA SYSTEMS AND RADIO PROPAGATION

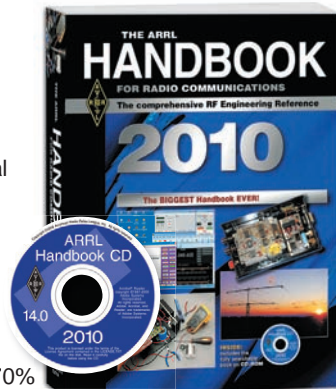
Propagation of Radio Signals
Transmission Lines
Antennas

EQUIPMENT CONSTRUCTION AND MAINTENANCE

Component Data and References
Circuit Construction
Station Accessories
Test Equipment and Measurements
Troubleshooting and Repair
Electromagnetic Compatibility and Direction-Finding

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Over 60 short electronics experiments from the pages of QST. Step-by-step Silver expertly leads you through each experiment—and you'll make discoveries along the way.

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- Building Block Circuits
- Power Supplies
- Filters
- Oscillators and Buffers
- Transmission Lines & Impedance Matching
- Workshop & Design Techniques

Includes a complete parts list!

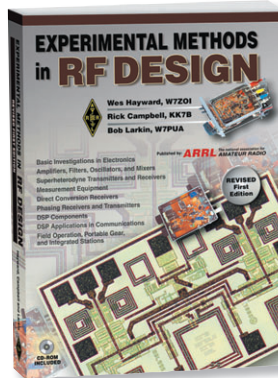


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CD-ROM included with design software, listings for DSP firmware, and supplementary articles.

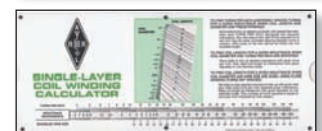
Contents:

- Basic Investigations in Electronics
- Amplifiers, Filters, Oscillators, and Mixers
- Super-heterodyne Transmitters and Receivers
- Measurement Equipment
- Direct Conversion Receivers
- Phasing Receivers and Transmitters
- DSP Components
- DSP Applications in Communications
- Field Operation, Portable Gear and Integrated Stations

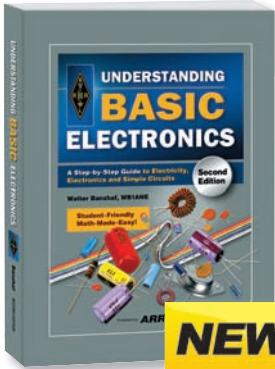
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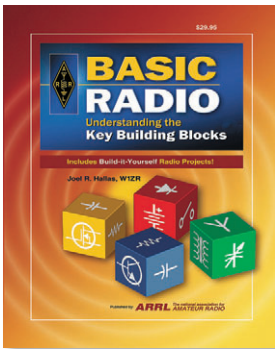
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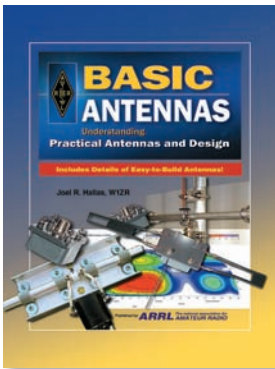
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Understanding the Key Building Blocks

Joel Hallas, W1ZR

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Basic Antennas

Understanding Practical Antennas and Design

Joel Hallas, W1ZR

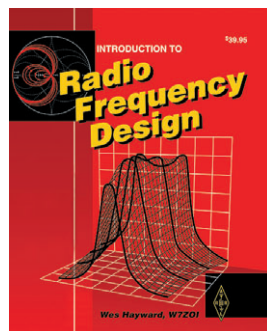
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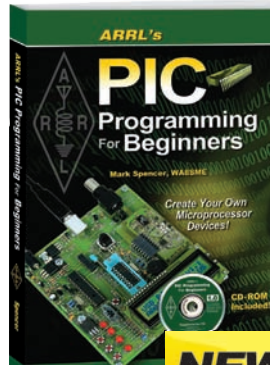
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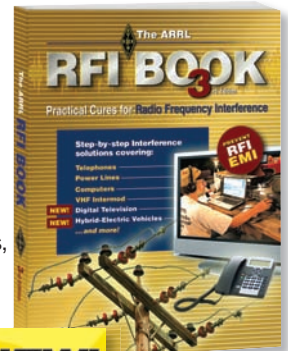
Your guide to understanding PIC design and development. Written in a building block approach, this book provides readers a strong foundation on the subject. As you explore the potential of these powerful devices, you'll find that working with PICs is simple, educational and most importantly fun.

The ARRL RFI Book

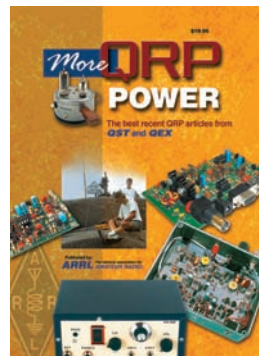
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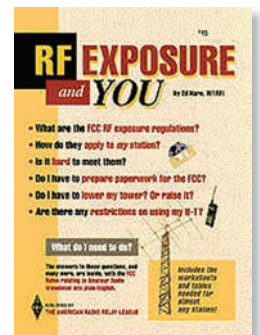
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Here are *more* projects and articles for **low power radio operating**, from the pages of *QST* and *QEX* magazines: **construction practices, transceivers, transmitters, receivers, accessories, and antennas.**

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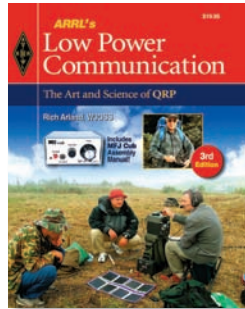
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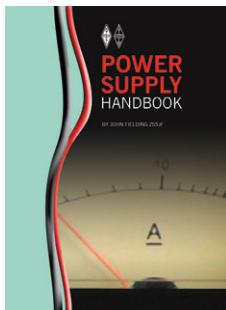


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Practical projects, design and construction ideas. Assemble a high performance antenna or transverter without a room full of special test equipment and machine tools. Includes Volume 1 (1994) and Volume 2 (1997) of *The ARRL Microwave Projects Manuals*.



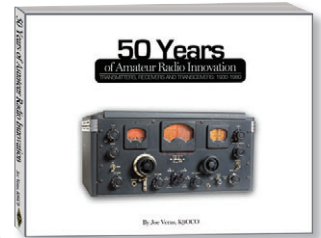
50 Years of Amateur Radio Innovation

Transmitters, Receivers and
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ARRL's Vintage Radio

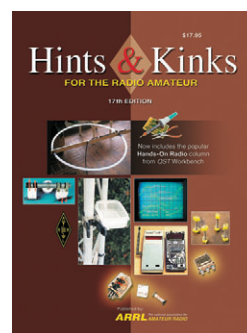
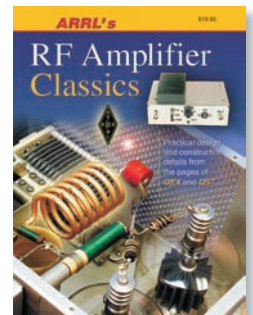
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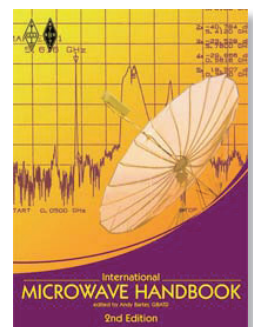
The best of Amateur Radio tips and techniques from the pages of QST —antennas, weekend projects, shack accessories and operating. Now including articles from the columns **The Doctor is IN** and **Hands-On Radio**.

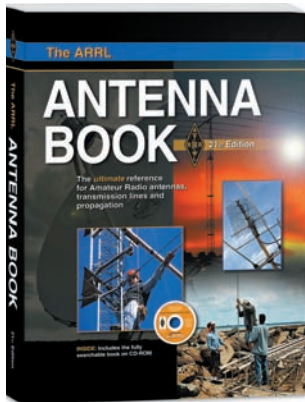
International Microwave Handbook

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The ARRL Antenna Book is THE SOURCE for current antenna theory and a wealth of practical, how-to construction projects. Extensively revised, and featuring antenna designs enhanced by the latest advances in computer modeling. Design, build and install any imaginable type of antenna—from the most simple wire varieties, to specialized or highly optimized arrays.

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*CD-ROM System

Requirements: Microsoft Windows 98 or later for PCs. Publication PDF files can be viewed on any Apple Macintosh computer that has Preview or Adobe Reader ver. 7 or 8 loaded. Additional software utilities are included, for Windows and DOS only.

The CD-ROM contains additional utility programs, including:

YW – Yagi for Windows

TLW – Transmission Line for Windows

HFTA – HF Terrain Assessment for Windows

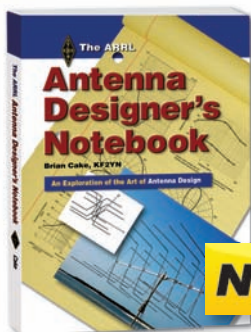
Range-Bearing – compute range/bearing or latitude/longitude

Arrayfeed1 – designing phased-array feed systems

EZNEC-ARRL – antenna modeling for Windows

Includes a comprehensive glossary and index.

All you need to design your own complete antenna system!



The ARRL Antenna Designer's Notebook

Brian Cake, KF2YN

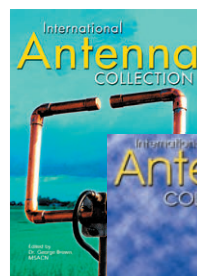
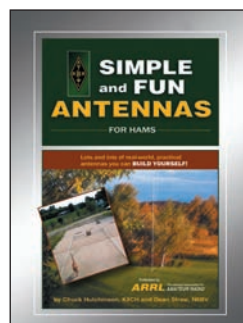
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This book is certain to open a window into the mind of the antenna designer as the design is imagined, perfected, and finally constructed. It provides a thorough description of new components of antennas – such as the FZ element and the C-pole – and practical antennas made from them. **CD-ROM included!**

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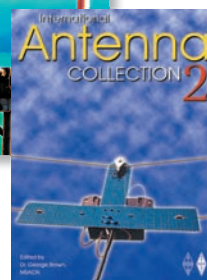
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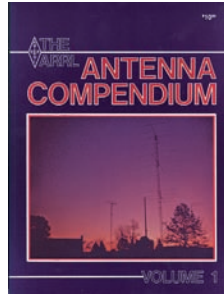
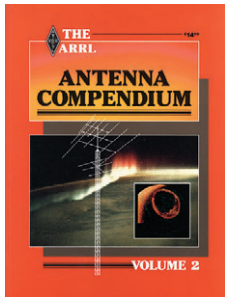


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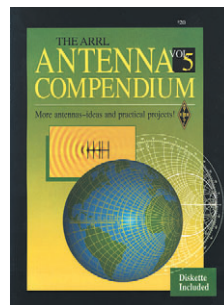
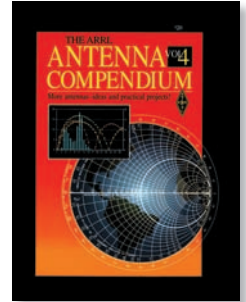
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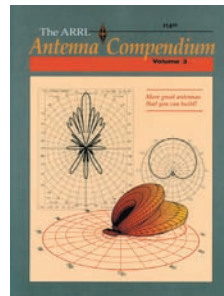
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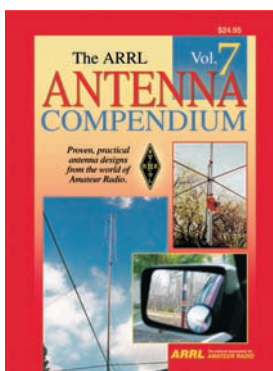


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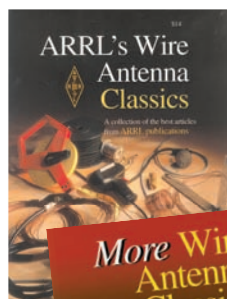
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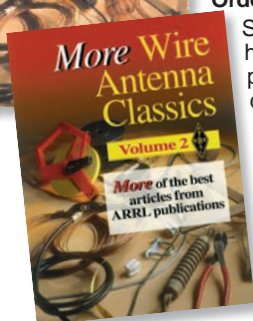


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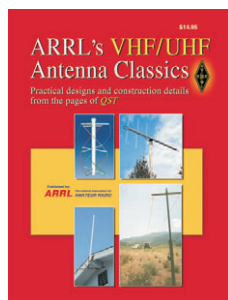


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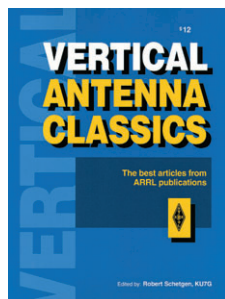
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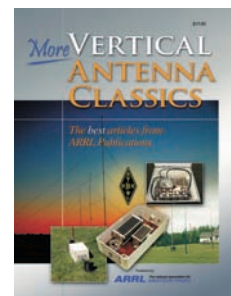
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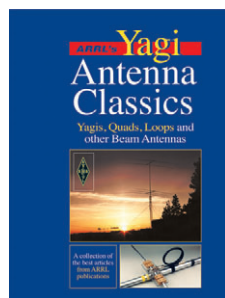
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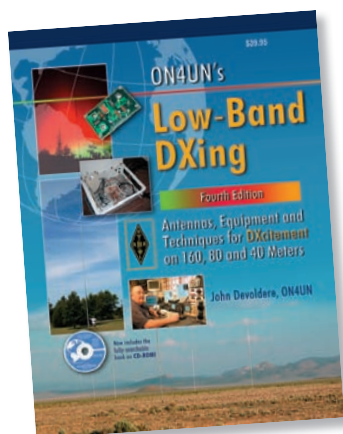
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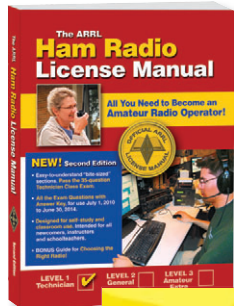
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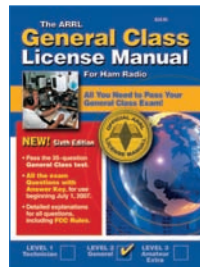
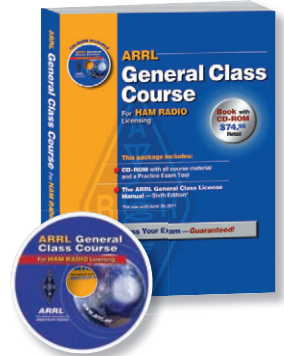
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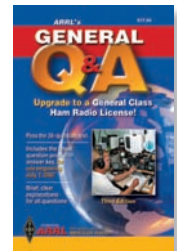
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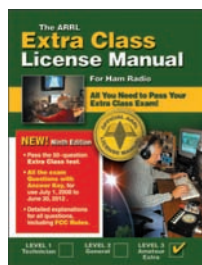
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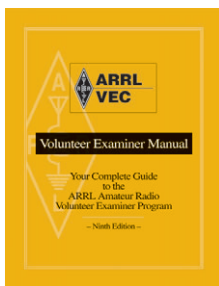
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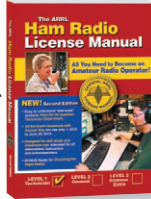
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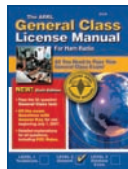
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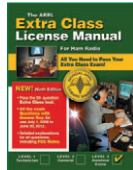
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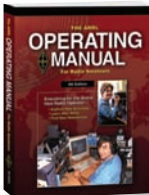
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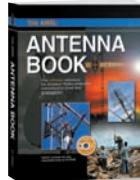
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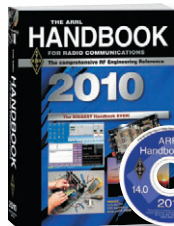
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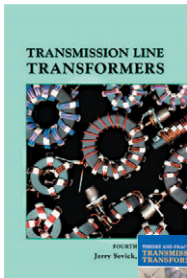
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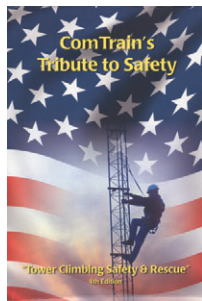
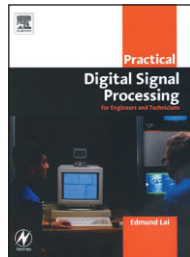
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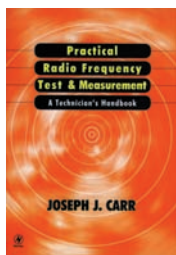
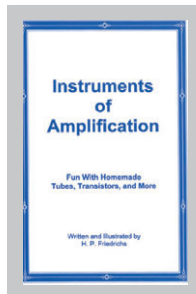
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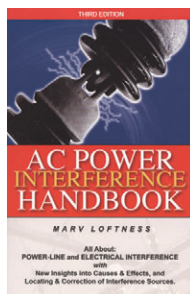
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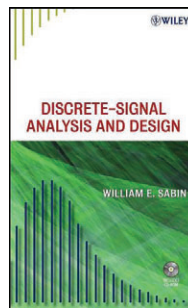
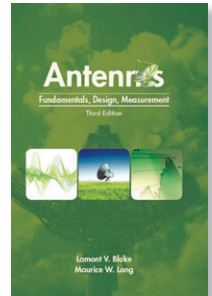


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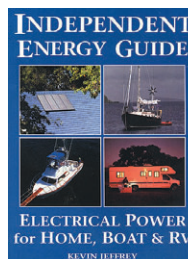
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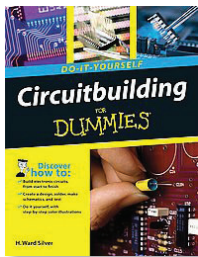
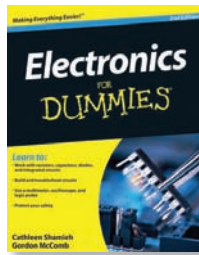
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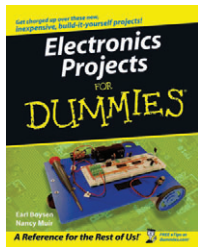
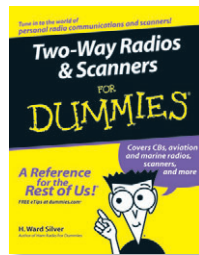
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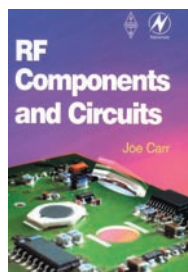
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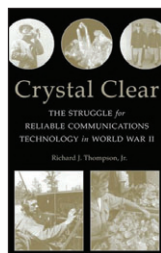
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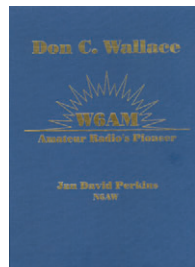
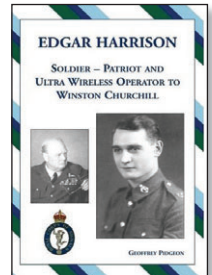
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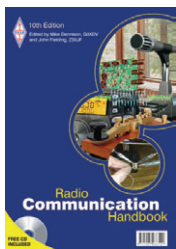
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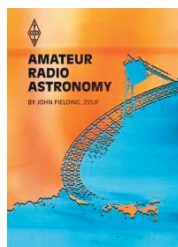
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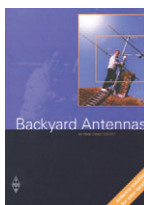
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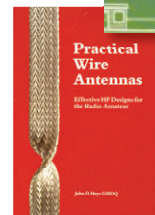
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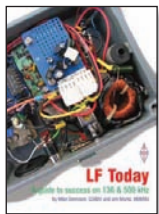


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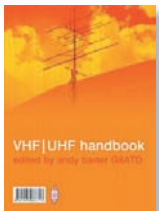
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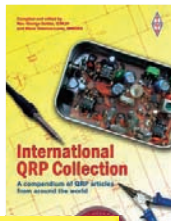
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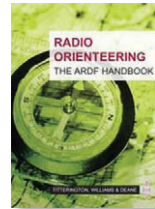
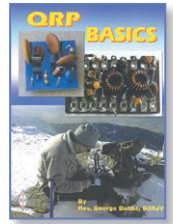
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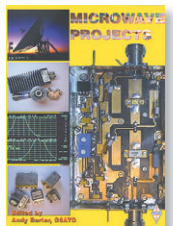
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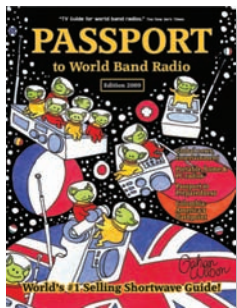
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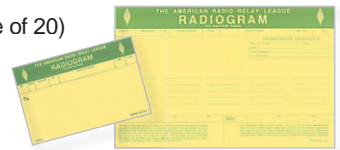
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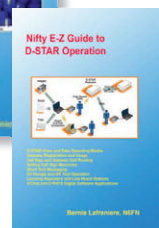
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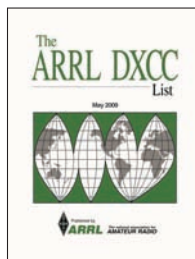
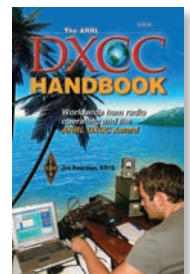


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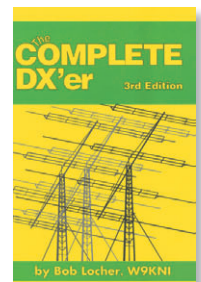
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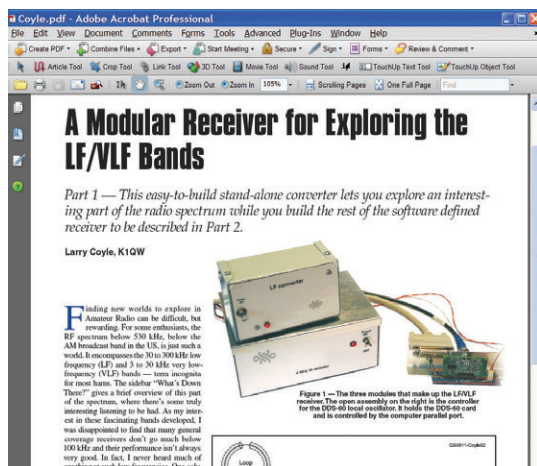
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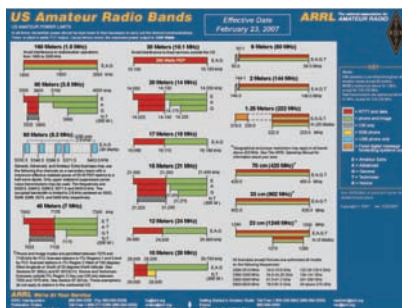
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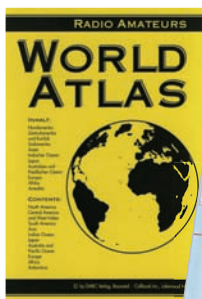


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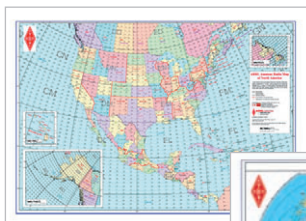
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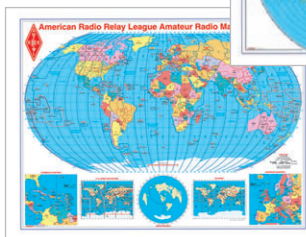
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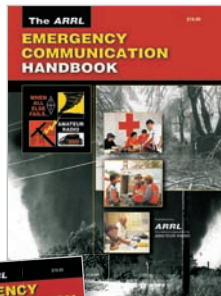
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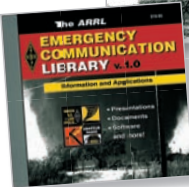
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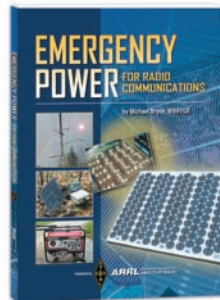
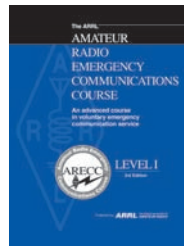
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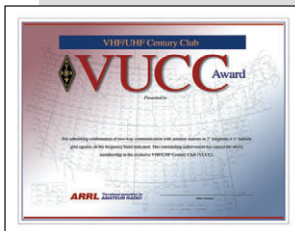


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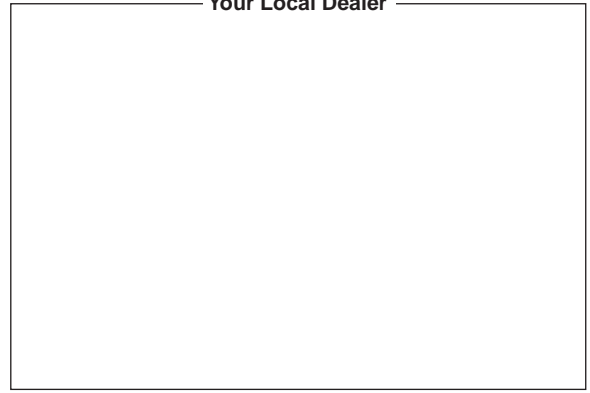
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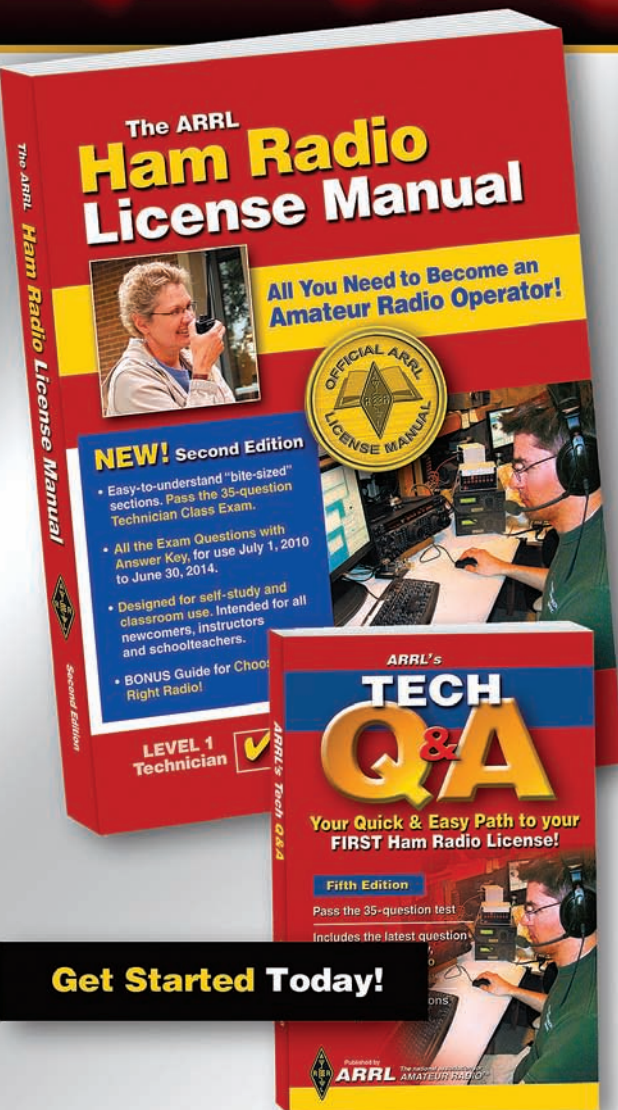
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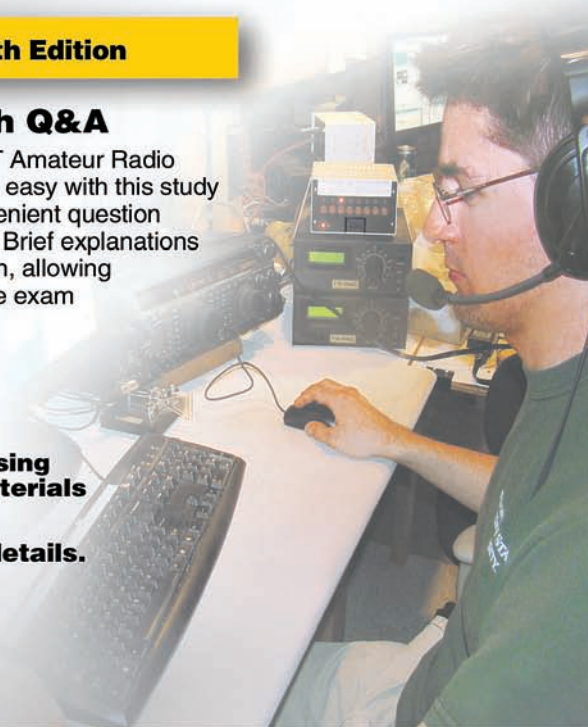
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