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The ARRL Operating Manual 10th Edition

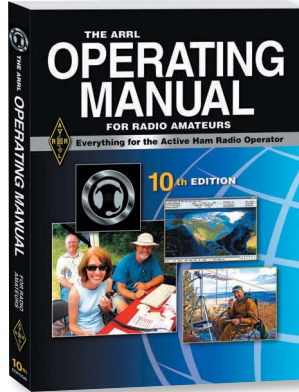
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The ARRL Operating Manual is the most complete guide to Amateur Radio operating. For decades, it has been recognized as the trustworthy source of everything you need to know about ham radio operating—from exploring the broad range of activities, to sharpening your on-air skills. It's filled with information every ham needs, from newcomers looking for basic operating techniques to more experienced hams looking for new things to do with their gear.

Whether your interests are more technical or public service oriented, you'll turn to **The Operating Manual** for information on **what to operate, where to operate and how to operate.**

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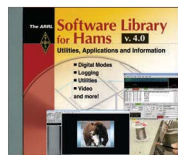
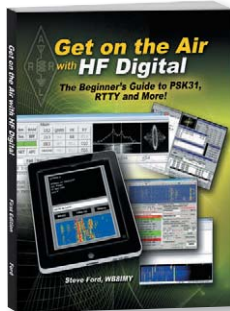
- Amateur Radio — All About Operating
- VHF/UHF — FM, Repeaters, Digital Voice and Data
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- HF Digital Communications
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- Amateur Satellites
- Legally, Safely, Appropriately — The FCC Rules and You
- Remote Station Control Over the Internet
- Operating Awards
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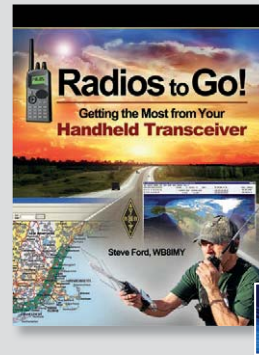
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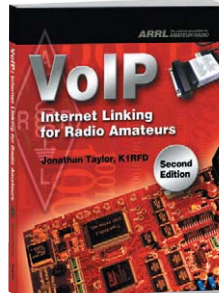
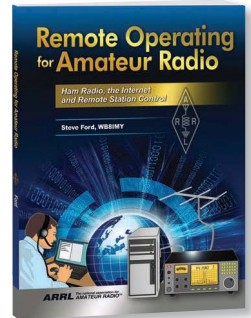
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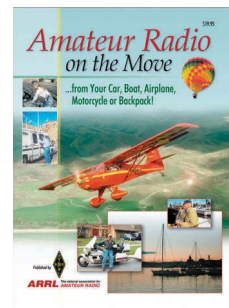
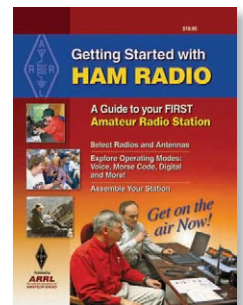
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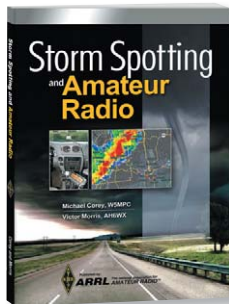
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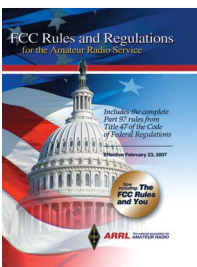
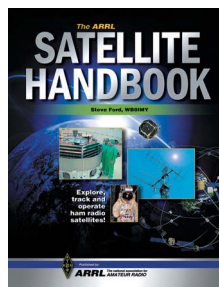
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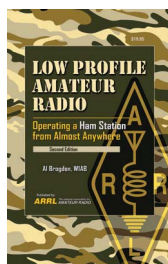
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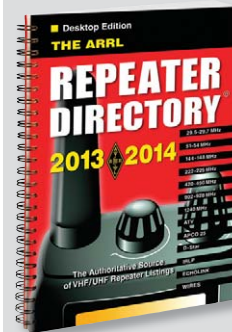
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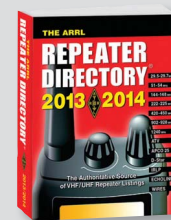
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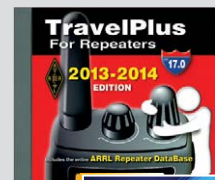
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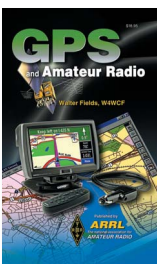
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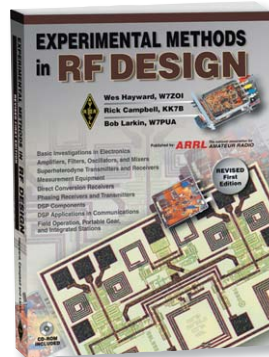
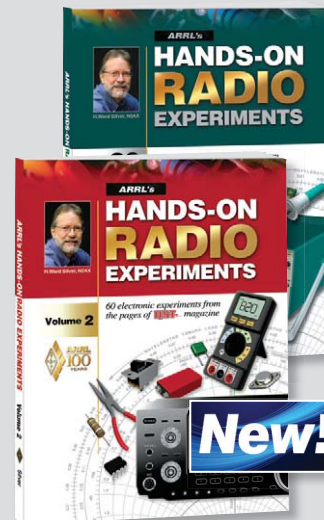
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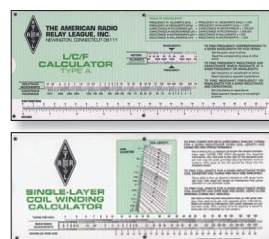
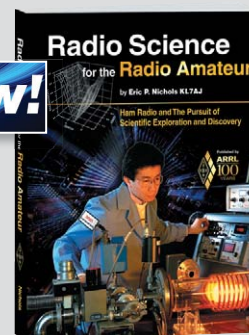
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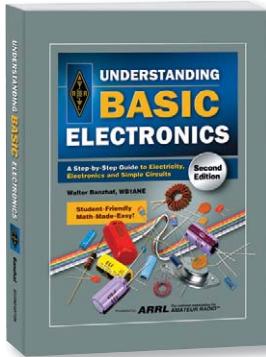


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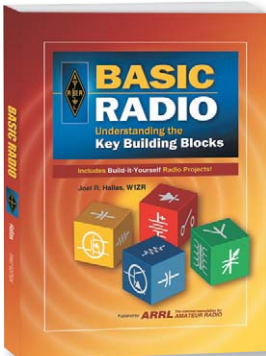
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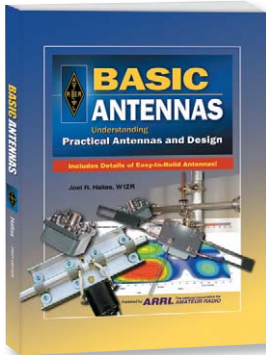
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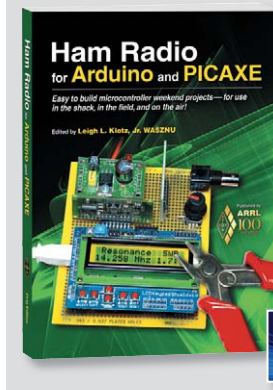
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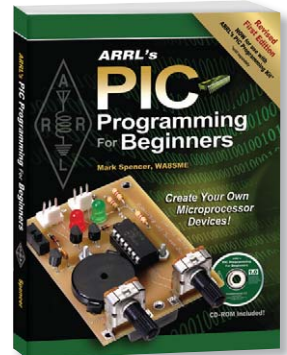
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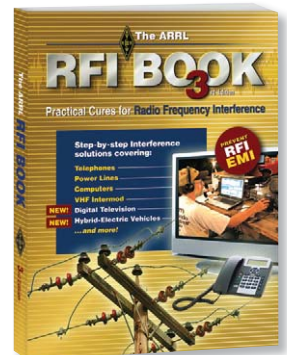
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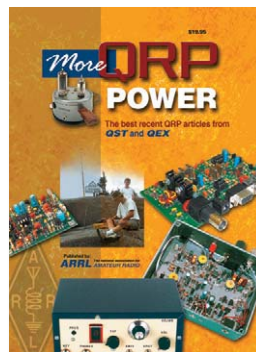
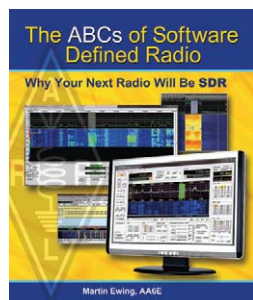
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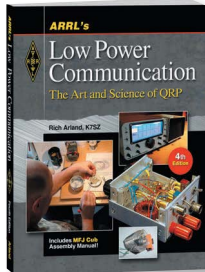
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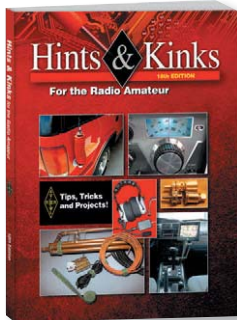
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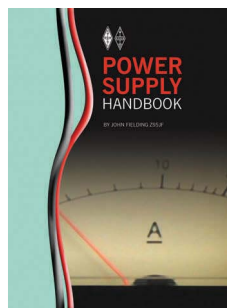
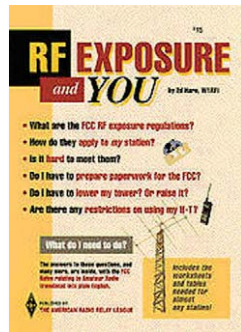
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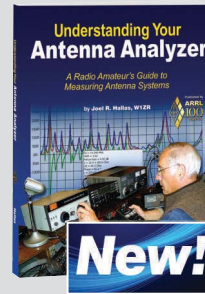


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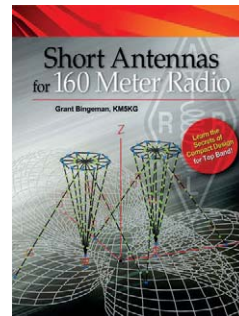
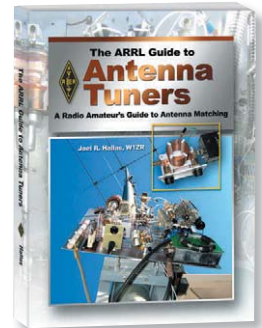
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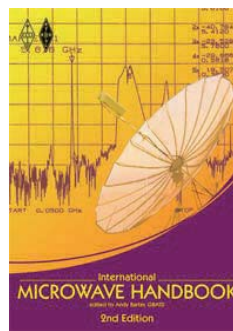
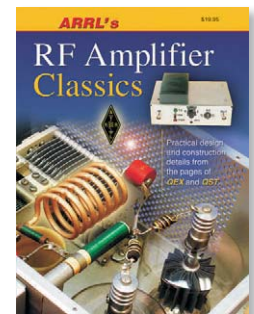
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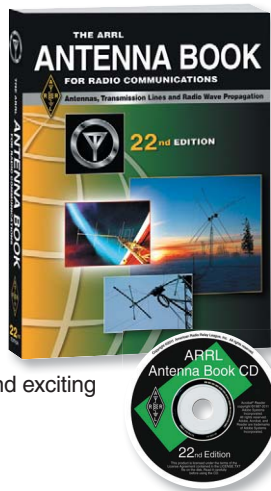


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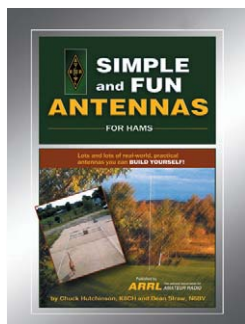
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- Antenna System Troubleshooting



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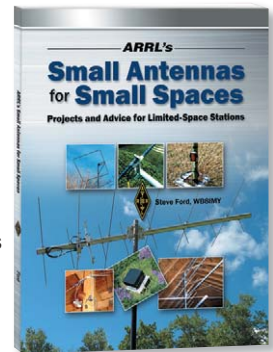
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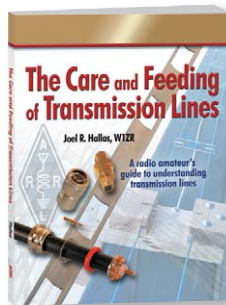
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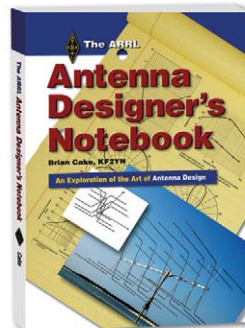
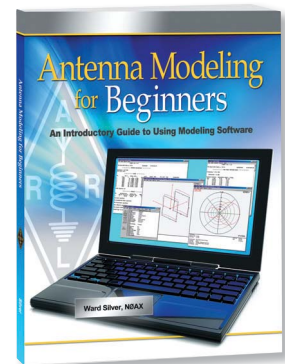
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6 Antennas

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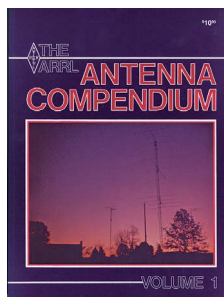
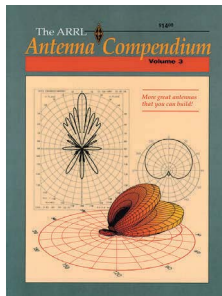
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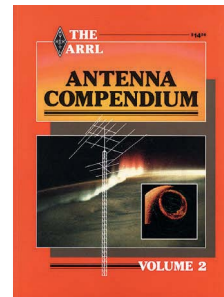
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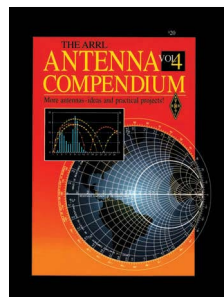
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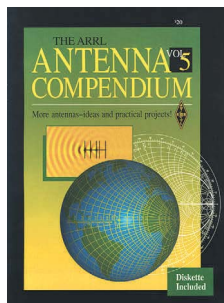
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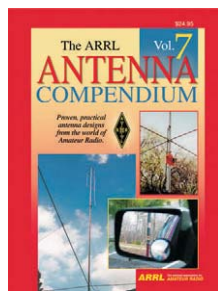


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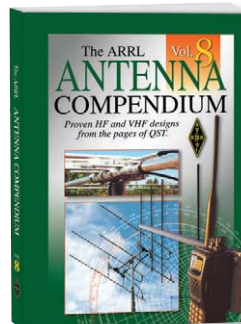
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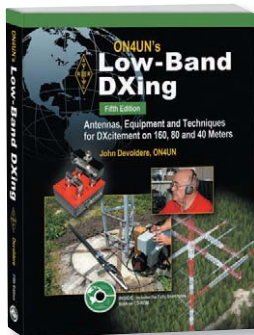
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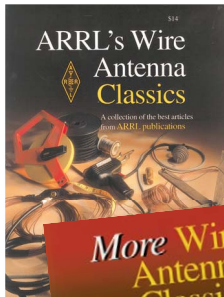
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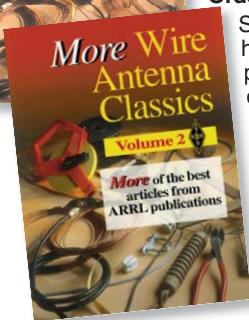


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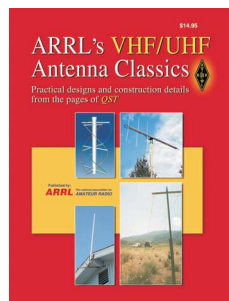


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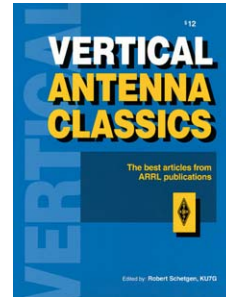
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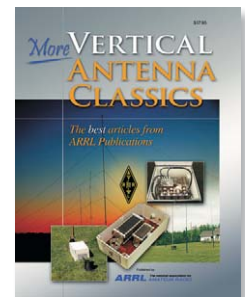
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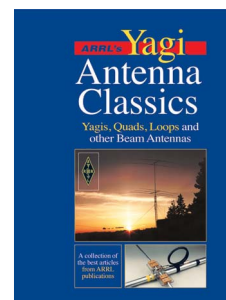
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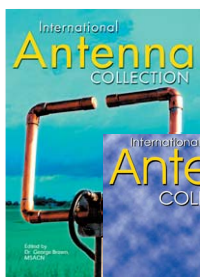
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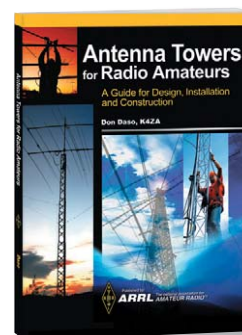
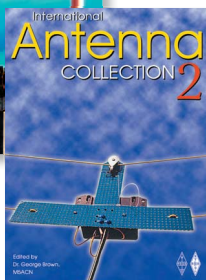
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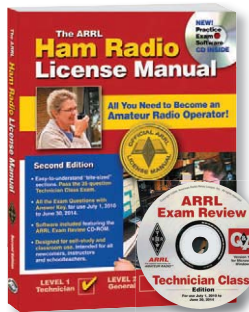
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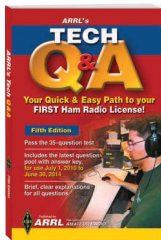
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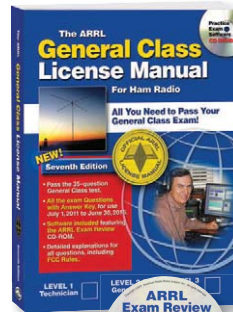
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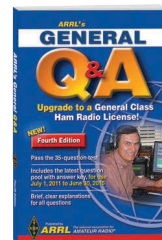
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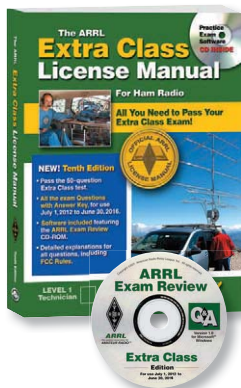
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David Sumner, K1ZZ
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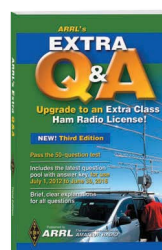
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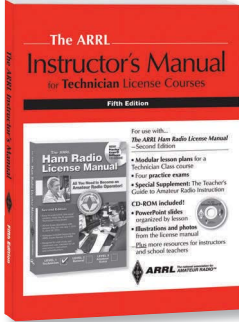
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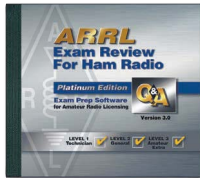
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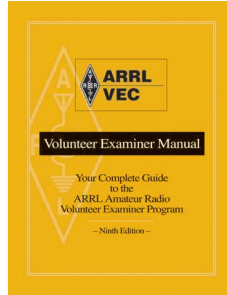
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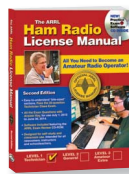


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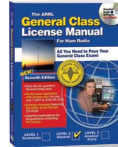
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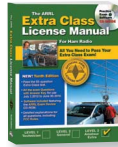
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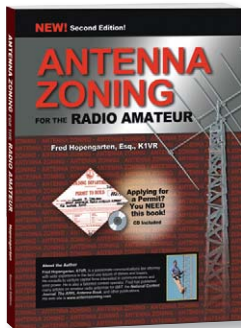
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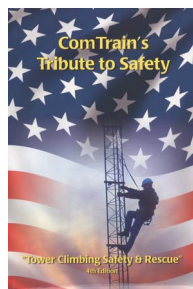
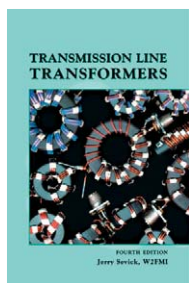
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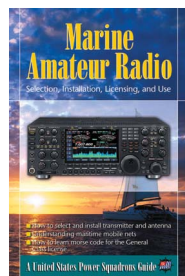
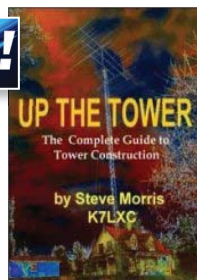
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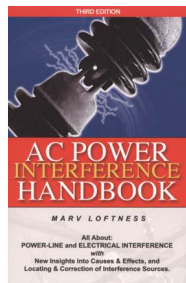
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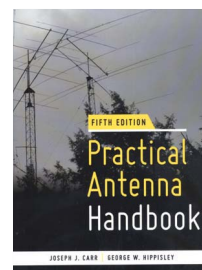
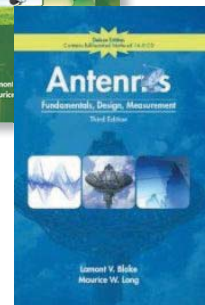
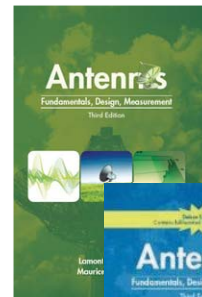
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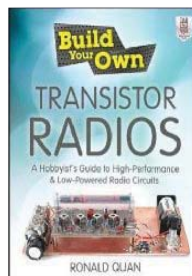
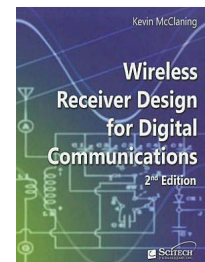
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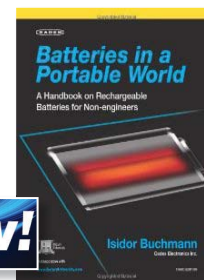
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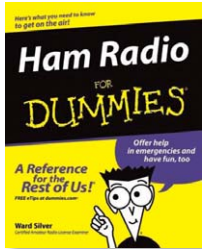
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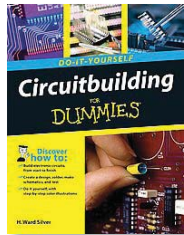
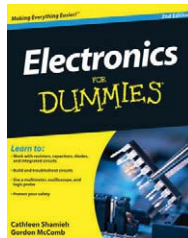
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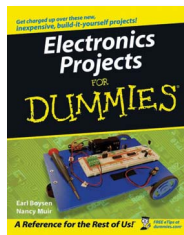
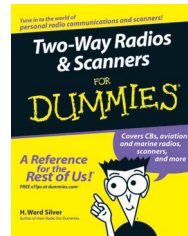
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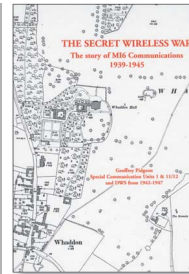
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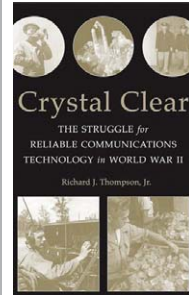
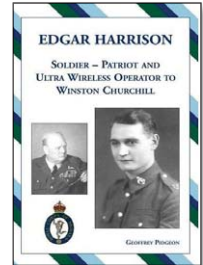
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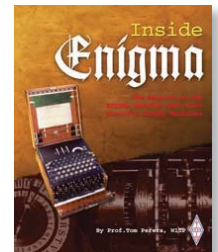
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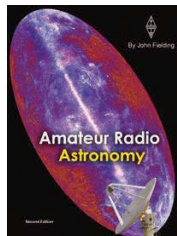
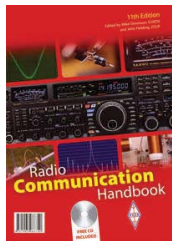
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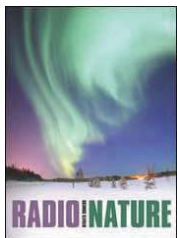
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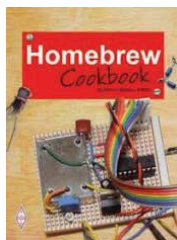
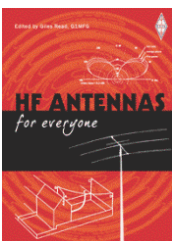
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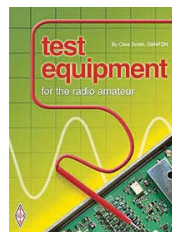
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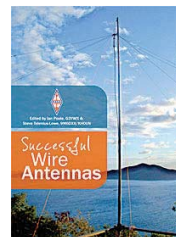
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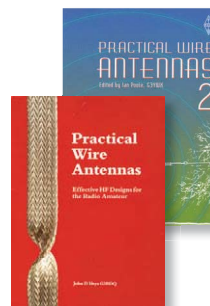
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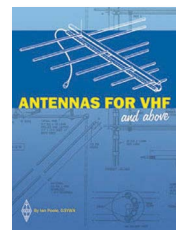
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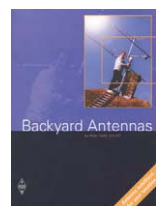
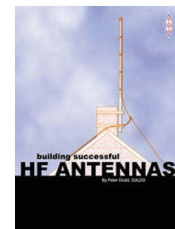
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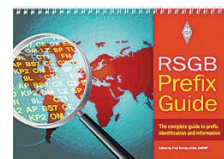
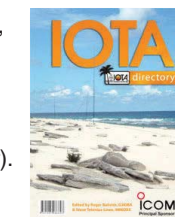
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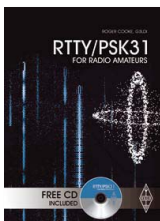
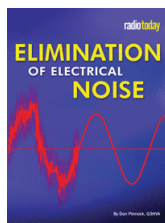
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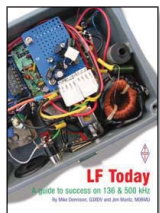
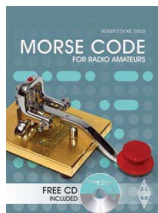
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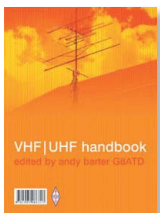
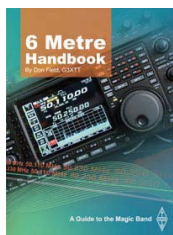
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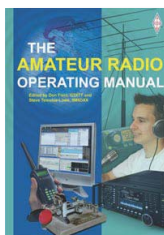


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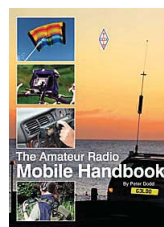
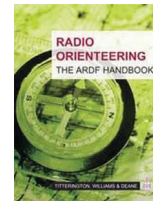
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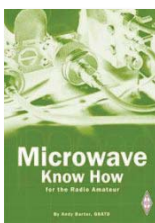
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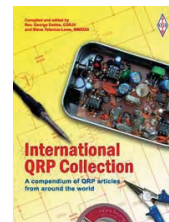
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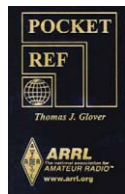
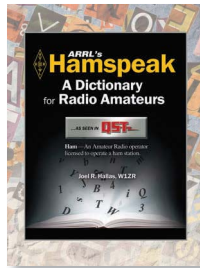
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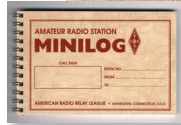
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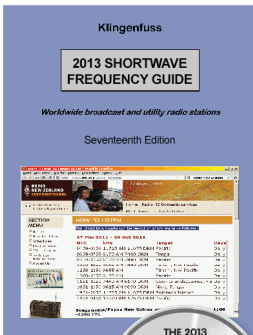
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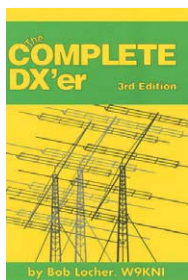
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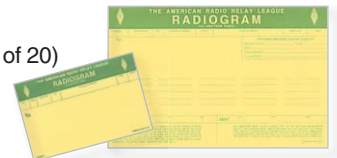
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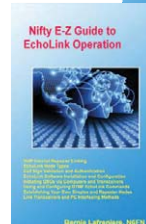
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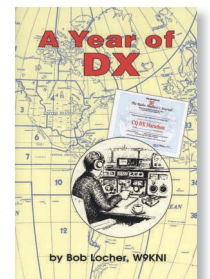
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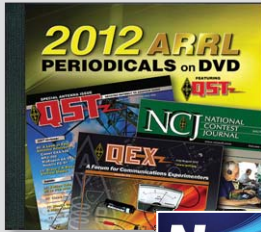
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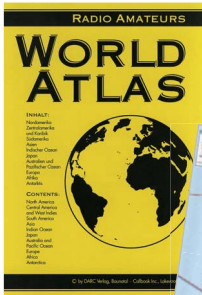
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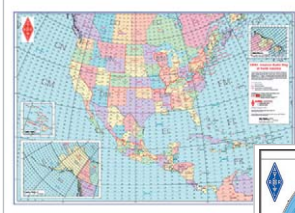
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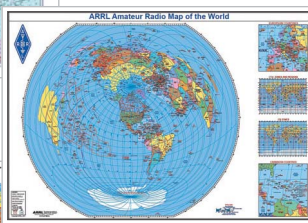
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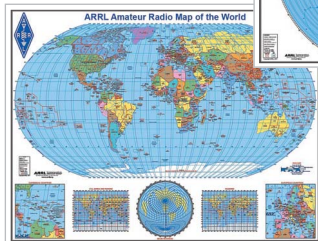
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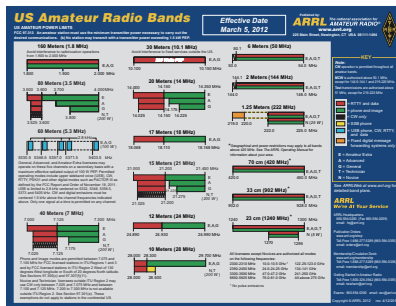
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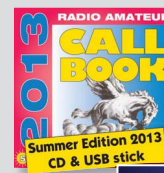
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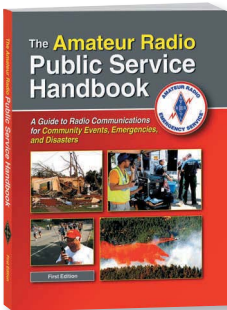
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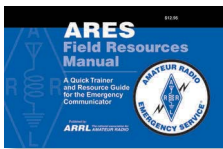


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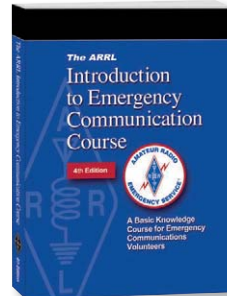
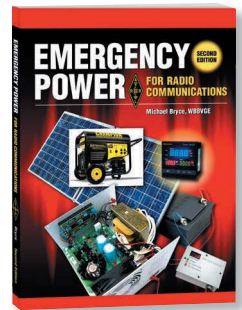
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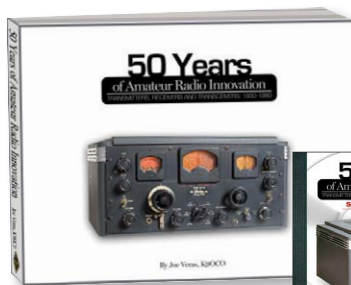
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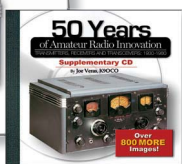
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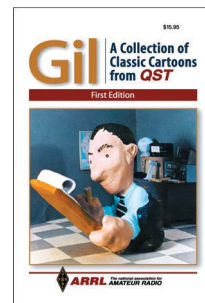
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QEX – A Forum for Communications Experimenters – www.arrl.org/qex
NCJ – National Contest Journal – www.arrl.org/ncj
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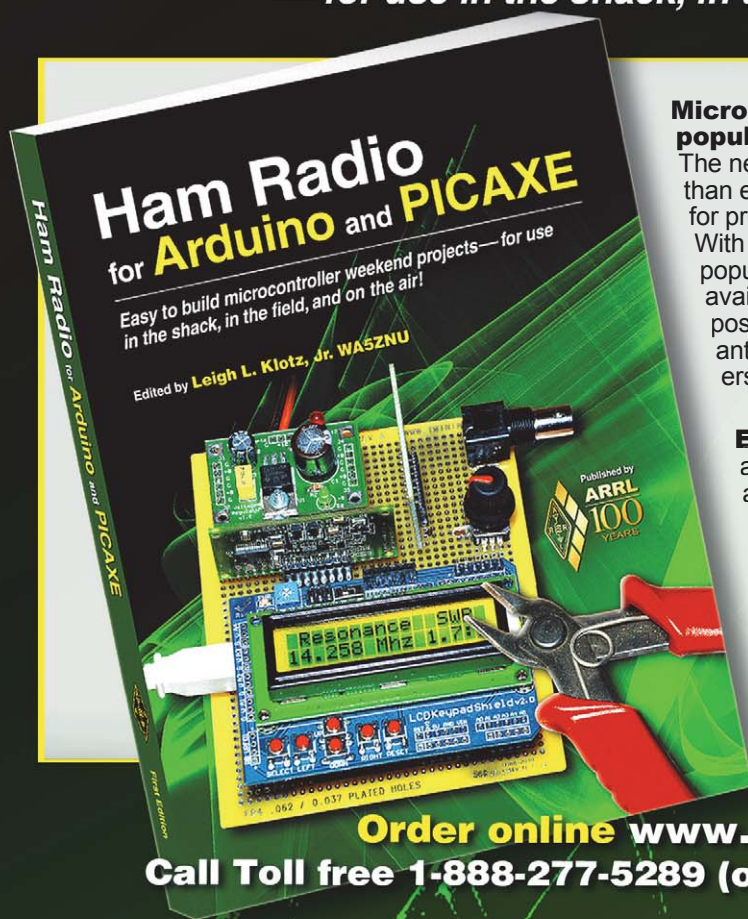
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