# Introduction to the *2002 ARRL Periodicals CD*

This *2002 ARRL Periodicals CD* contains every page of every 2002 issue of *QST*, *QEX* and *NCJ* (*National Contest Journal*) magazines. In addition, it includes folders that contain additional information such as printed-circuit board layout drawings, parts lists, and source-code for some software projects.

In this introduction you will find tips on how to use this CD-ROM and listings of additional included files: Expanded Lab Test Reports of items reviewed in *QST* Product Review, software and circuit-board files from *QST*, and software and circuit-board files from *QEX*.

# Using this CD-ROM

This CD-ROM is viewed using Adobe's *Acrobat Reader* software, version 5.0. The software (both Windows and Macintosh versions) is included on the CD-ROM, and installation instructions are available in the booklet enclosed in the CD-ROM case.

The book and the companion files include hyperlinks. These links will appear in blue or green text. Clicking on the text of a hyperlink will cause *Acrobat Reader* to display another, related part of the book or, in some cases, will launch your Web browser to view a page on the World Wide Web. (See the *Acrobat Reade*r Help documentation for information on configuring this feature.) In general, we have tried to provide a hyperlink to any referenced material that is on a different page from the one containing the reference.

The version of *Acrobat Reader* used with this CD-ROM includes Acrobat Search capability, which allows rapid full-text search of the entire book. This functions as an instant index for every chapter and word in the book. We strongly recommend that you take a few minutes to view the on-line documentation available from *Acrobat Reader*'s Help menu.
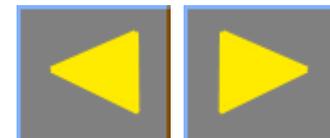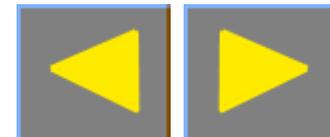
# Full-Text Searching

The on-screen icons, or buttons, in the *Acrobat Reader* tool bar associated with full-text search are located at the right side of the tool bar. As an example, let's use this very powerful facility to find all instances of the word "reactance" throughout the book.

Click on the **Full-Text Search** icon ▣. (Note that this is different from the nearby **Find** icon ▣). Under **Options**, make sure that the **Word Stemming** checkbox is unchecked. Now, type in the word "rover" and then either press the **Enter** key or click on the **Search** button. The program will search for a while for all instances of the word "rover" and will present you with a list box showing all issues that contain this word. Select **January 2002 *QST*** by double clicking on it. The first occurrences of "rover" (on page 109) will be highlighted. Click the search **Next** icon ▣ to show the next occurrence of "rover," on page 110.

You can adjust the way that found text items are highlighted using the **File|Preferences|Search** menu item.

Now, click back on the Full-Text Search Continue icon, check the **Word Stemming** checkbox and redo the search. Again, select **January 2002 *QST***. Note that the program has highlighted not only the occurrences of  "rover," but also the occurrences of "rovers." This is because **Word Stemming** was selected for the search, and variations on the root "rover" have been found. Again, if you wish to limit the search to exact matches for "rover," uncheck the word-stemming checkbox and redo your search.

Other than not allowing word stemming, another way to limit a search is to specify more than one word. For example, if you specify "rover champion" for the full-text search, the number of occurrences will be much smaller than for just "rover" alone. You can use the Search Results icon  to choose another issue for viewing, and the Next and Previous search buttons  to navigate through the found items. The **Search** submenu on the **Tools** menu has additional search commands.

The full-text search capability gives you a very powerful tool for finding all sorts of information on the CD-ROM!
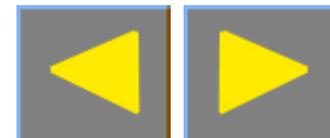
# *QST* Product Review Expanded Lab Reports

| Product | *QST* Issue |
|---|---|
| ICOM IC-756 Pro II | February |
| ICOM IC-746 Pro | May |
| Yaesu FT-1000MP Mark V Field | August |

# *QST* Files

| Month | Folder | Article and Description |
|---|---|---|
| April | 02HK04Fig1 | *A DX-Beacon Clock* (H&K), by Don Goshay, W6MMU, p 64. A JPG image of a "clock" face to use with a 1/3-RPM motor for tracking the NCDXF beacons. |
| | 02TC04 | *Unexpected Long-Term Resistance Increases in Resistors* (TC), by Aaron D. Karty, KD4BYW, p 70. *Excel* worksheet tables and additional figures related to a study on aging in resistors. |
| | radmore | *A Lightning Detector for the Shack*, by Bob Radmore, N2PWP, p 59. Enclosure machining, PC board and parts placement diagrams in JPG format for an electronic lightning detector. |
| June | dj-596 | *Alinco DJ-596T FM/Digital Dual-Band Hand-Held Transceiver* (Product Review), By Stan Horzepa, WA1LOU p 63. A WAV file containing a sample of a digital voice audio transmission. |
| September | 02HK09 | *Soldering-Iron Controller Hint and Kink* by Lawrence R. Houbre Jr, AA1FS, p 56. Source code for a basic stamp microprocessor to control a soldering iron. |
| November | Rotormapic | *The Rotormapic*, by Roger Monroe, K7NTW, p 62. Assembly source code for PIC, flowchart, photo of project interior. |
| December | NoExcusesXcvr1202 | *Build the 'No Excuses' QRP Transceiver,* by Dan Metzger, K8JWR, p 28. Etching pattern and parts-placement diagram. |
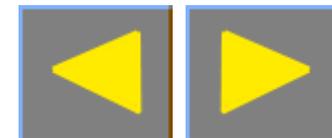
# *QEX* Files

| Issue | Folder | Article and Description |
|---|---|---|
| January/February | QUADS | *The Quad Antenna Revisited Part 5: Quad Design Variations* EZNEC descriptions for "Quads Revisited" series updated for Part 5. |
|  | 0102Handelsman | *The Rectangle Family of Antennas, Part 2: The Asymmetrical Double Rectangle (ADR)* NEC antenna description files for asymmetrical double rectangle antennas. |
| March/April | 0302Best | *The Fractal Loop Antenna: Understanding the Significance of Fractal Geometry in Determining Antenna Performance* EZNEC descriptions for loop and fractal-loop antennas. |
| May/June | 0205Evans | *A Laboratory-Grade 10-MHz Frequency Standard* Excel worksheet for battery-charger design with TI/Unitrode UC3906 IC. |
| July/August | DigiXcvr | *A High-Performance Digital-Transceiver Design, Part 1* Excel worksheet for Digital Transceiver Design. |
|  | OWA EZS | *Notes on the OWA Yagi* EZNEC descriptions for Optimized Wideband Antennas. |
| September/October | 9x02 Step | *Software-Defined Hardware for Software-Defined Radios* Color versions of article figures. |
|  | 0209erbaugh | *Customize the Ten-Tec Pegasus—Without Soldering* Borlund Delphi component to control Pegasus. |
|  | 0902Youngblood | *A Software-Defined Radio for the Masses, Part 2* Visual Basic source to use MS DirectX8 driver. |
| November/December | 1102Youngblood | *A Software-Defined Radio for the Masses, Part 3* Demo program source code. |
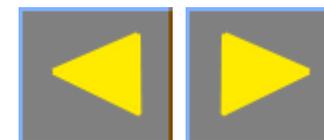
# Installing Adobe *Acrobat Reader*

   While the *Acrobat Reader* program used to view the *Periodicals CD* is normally run directly from the CD, there is a copy included on the CD-ROM that you may choose to install on your hard disk for viewing other files. Installing Adobe *Acrobat Reader* is optional.

**To install *Acrobat Reader* for *Windows*:**
1. Select **Run** from the *Windows* **Start** menu.
2. Type **d:\Acrobat\setup** (where d: is the drive letter of your CD-ROM drive; if the CD-ROM is a different drive on your system, type the appropriate letter) and press **Enter**.
3. Follow the instructions that appear on your screen.

**To install *Acrobat Reader* for the Macintosh:**
1. Open the **2002 Periodicals CD** icon on the desktop.
2. Double-click the **Acrobat Reader 5.0** folder, and then double-click the **Acrobat Reader Installer** icon.
3. Follow the instructions that appear on your screen.