

Introduction to the **2003 ARRL Periodicals CD**

This *2003 ARRL Periodicals CD* contains every page of every 2003 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. Also included are 2003 Section News, and Contest Results and Soapbox.

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**.

Included in the Contest Results and Soapbox section is additional information about contests that were reported in 2003 issues of *QST*. This supplemental information, published on the **ARRL Web site**, includes contest line scores and Soapbox. Where available, there are two views of the line scores—a table showing all participants sorted by score, and a version sorted by sorted by call area, location and entry category.

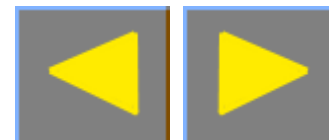
The Section News area of this CD-ROM includes monthly highlights provided by Section Managers throughout the year. These highlights are published on the Web site and emailed to members who have signed up to receive news and information from their Division Director or Section Manager. (Members may sign up for this service via the Member Data Page on the Members Only Web site.) Note that all sections do not publish Section News reports every month.



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 and **at the end** of this introduction.

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 issue and word in the collection. We strongly recommend that you take a few minutes to view the on-line documentation available from *Acrobat Reader's* Help menu.

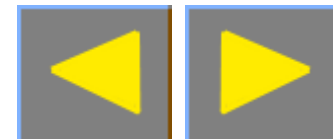


Full-Text Searching

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 2003 QST** by double clicking on it. The first occurrences of "rover" (on page 38) will be highlighted. Click the search **Next** icon  to show the next occurrence of "rover," on page 82.

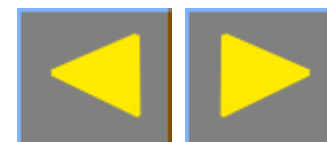
You can adjust the way that found text items are highlighted using the **File|Preferences|Search** menu item.



Now, click back on the Full-Text Search Continue icon, check the **Word Stemming** checkbox and redo the search. Again, select **January 2003 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.

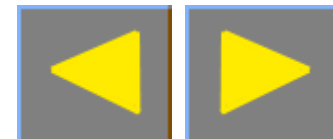
Other than not allowing word stemming, another way to limit a search is to specify more than one word. For example, if you specify "rover champion" for the full-text search, the number of occurrences will be much smaller than for just "rover" alone. You can use the Search Results icon  to choose another 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!



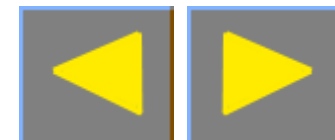
***QST* Product Review Expanded Lab Reports**

Product	<i>QST</i> Issue
Ten-Tec Argonaut V	April
Yaesu FT-897	May
ICOM IC-703	July

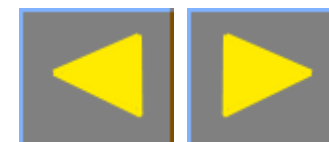


QST Files

Month	Folder	Article and Description
January	wade0103	<i>A 222-MHz Transverter for the Yaesu FT-817</i> , by Paul Wade, W1GHZ, p38. Detailed .jpg images to accompany the article.
February	hansen0203	<i>Add Remote Control to Your ICOM Transceiver</i> , by John Hansen, W2FS, p41. Hex file for the microprocessor used in the project.
February	03tc02	<i>Technical Correspondence: Optimizing the Heathkit HW-101, SB100-102 Transceivers</i> , by Mark Graalmanand, WB8JKR, and Len Greenberg, WB8JCJ, p77.
March	0303grad	<i>Beginners' Computer Programming for Ham Radio, Part 2</i> , by Steve Gradijan, WB5KIA, p32. Source and executable files for several simple applications.
April	0304grad	<i>Beginners' Computer Programming for Ham Radio, Part 3</i> , by Steve Gradijan, WB5KIA, p39. Source and executable files for several simple applications.



Month	Folder	Article and Description
May	gdo	<i>A Modern GDO—The Gate Dip Oscillator</i> , by Alan Bloom, N1AL, p54. Photos, etching patterns, parts placement diagram.
May	black-widow	<i>The Black Widow—A Portable 15 Meter Beam</i> , by Allen Baker, KG4JJH, p35. Construction drawings and radiation plots for the antenna.
June	fara-amp	<i>The FARA HF Project</i> , by James R. Valdes, WA1GPO, p35. Detailed drawings and construction data for 30-W HF amplifier project.
June	03sat06	<i>Satellites</i> , by Steve Ford, WB8IMY, p 87. A .wav audio file of G3WDG and I8CVS in QSO on the OSCAR 40 satellite using mode S/K (2.4GHz up, 24 GHz down). The QSO took place during mode S/K tests conducted in February 2003.
August	aprs_weather	<i>Amateur Radio, Paragliding and an APRS Weather Station</i> , by Richard Parry, W9IF, p28. Supplemental information and figures.

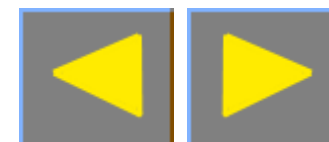


Month	Folder	Article and Description
August	03hk08	<i>Hints and Kinks: A PIC Programmer for All Computers</i> , by Ralph Gable, WA2PUX, p61. Extra schematic, text, etching pattern, parts placement diagram and public-domain PIC programmer software.
September	03hk09	<i>Hints and Kinks: A Custom Log</i> , by William Parmley, KR8L, p56. Excel and Works documents to produce a custom portable log book.
October	lopes1003	<i>Designing a Shortened Antenna</i> , by Luiz Duarte Lopes, CT1EOJ, page 28. A program to perform some of the calculations described in the article.
December	picokeyer	<i>The PicoKeyer—An Ultra Low Power CW Memory Keyer</i> , by Dale Botkin, N0XAS, p38. PIC source code for the project.



QEX Files

Issue	Folder	Article and Description
January/ February	0103morn	<i>An Automatically Tuned 7-30MHz Mobile Antenna</i> , by Manfred Mornhinweg, XQ2FOD, p3. Basic Stamp 2 source and figures.
March/ April	0303youn	<i>A Software Defined Radio for the Masses, Part 4</i> , by Gerald Youngblood, AC5OG, p20. Worksheet to analyze SDR-1000.
May/ June	0303logs	<i>Rover Software for the Palm Organizer</i> , by Paul Wade, W1GHZ, p44. Logging files for Palm organizers.
July/ August	7x03trask	<i>Active Loop Aerials for HF Reception Part 1: Practical Loop Aerial Design</i> , by Chris Trask, K7ZWY, p35. Antenna models.
July/ August	0307cicc	<i>A PC-Based Digital Storage Oscilloscope and Logic Analyzer</i> , by Larry Cicchinelli, K3PTO, p13. PLD info, graphics, etching patterns.
November/ December	1103scarlett	<i>A High-Performance Digital Transceiver Design, Part 3</i> , by Jim Scarlett, KD70, p3. Filter tables and bias calcs.



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 **2003 ARRL 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.

