Introduction to the *2000 ARRL Periodicals CD*

This *2000 ARRL Periodicals CD* contains every page of every 2000 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.

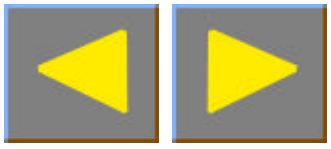
In this introduction you will find tips on how to use this CD-ROM and listings of additional included files: Expanded Lab Test Reports of items reviewed in *QST* Product Review, software and circuit-board files from *QST*, and software and circuit-board files from *QEX*.

Using this CD-ROM

This CD-ROM is viewed using Adobe's *Acrobat Reader* software, version 4.0. 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.

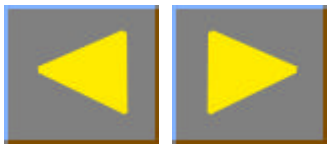


Full-Text Searching

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 2000 *QST*** by double clicking on it. The first occurrences of "rover" (on page 102) will be highlighted. Click the search **Next** icon  to show the next occurrence of "rover," on page 103.

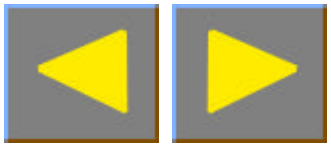
You can adjust the way that found text items are highlighted using the **File|Preferences|Search** menu item.



Now, click back on the Full-Text Search Continue icon, check the **Word Stemming** checkbox and redo the search. Again, select **January 2000 *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.

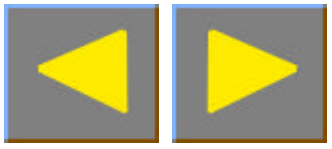
Other than not allowing word stemming, another way to limit a search is to specify more than one word. For example, if you specify "rover champion" for the full-text search, the number of occurrences will be much smaller than for just "rover" alone. You can use the Search Results icon  to choose another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



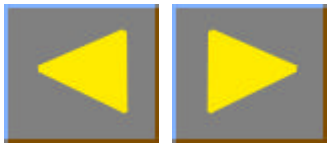
QST Product Review Expanded Lab Reports

Product	*QST* Issue
Ten-Tec Pegasus HF Transceiver	February
Elecraft K2 HF Transceiver Kit	March
ACOM 2000A HF Linear Amplifier	May
Kenwood TM-D700A Dual-Band FM Mobile Transceiver	May
ICOM IC-756PRO HF/6-Meter Transceiver	June
ICOM IC-718 HF Transceiver	July
Yaesu MARK-V FT-1000MP HF Transceiver	November
Patcomm PC-16000A HF Transceiver	December

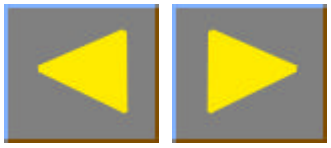


QST Files

Month	Folder	Article and Description
February	RCA	A Repeater Controller Accessory: The RCA, by Dwayne Kincaid, WD8OYG, p 37. Software and source code for programming the ICs. (Note: The software is still undergoing final optimization. For further information and availability date, please call LDG Electronics at 410-586-2177.)
March	0003N9KS	A Simple Antenna Flipper, by Ken Secora, N9KS, p 60. BMP images of the cutting and drilling templates for a hinged antenna boom-to-mast clamp.
April	PICSWRR	Add a Morse Readout to the AA4FB PIC SWR Meter, by Bert Kelley, AA4FB, p 61. The PIC code in ASM and HEX.
May	MORSEPRACTICE (MorsePractice.hqx)	Practice Morse Code with a Java Applet, by Martin Minow, K6MAM, p 48. A *Java* application for a sound card-equipped computer for "Koch Method" Morse code practice. Version for Macintosh.
	MORSEPRACTICE (MorsePractice.jar)	Practice Morse Code with a Java Applet, by Martin Minow, K6MAM, p 48. A *Java* application for a sound card-equipped computer for "Koch Method" Morse code practice. Version for *Windows* or *Linux*.
June	MOXONBAS	Having a Field Day with the Moxon Rectangle, L.B. Cebik, W4RNL, p 38. A *GW Basic* program for calculating the dimensions of Moxon Rectangle antennas based on frequency and element diameter.
July	SEVERNS	Verticals, Ground Systems and Some History, by Rudy Severns, N6LF, p 38. An *Excel* spreadsheet tool--based on George Brown's 1935 ground current equations--used for creating the graphs in the article. These are particularly useful for further investigations.
August	KELLYTH	Build an Indoor-Outdoor Thermometer for Your Shack, by Bert Kelly, AA4FB, p 45. Source code, in ASM and HEX, for programming the PIC.

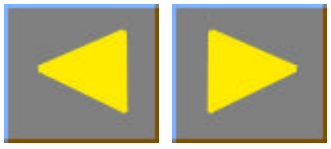


Month	Folder	Article and Description
October	FASSEGEN	A Basic Stamp Morse Call-Sign Generator, by Gerald Fasse, W8GF, p 40. A program listing for the Basic Stamp and an explanation of how the program functions.
	GRIFFFB	A 146- and 445-MHz J-Pole Antenna, by Andrew S. Griffith, W4ULD, p 50. Information for correcting a resonant-frequency problem that results from the use of heavier "type L" copper pipe in lieu of "type M" pipe. The file contains a description of the changes necessary, four graphs and a picture in JPG format.
November	KISSTNC	An Inexpensive KISS-Mode TNC, by John Hansen, W2FS, p53. Source code for programming the PIC.
December	SCHEMAT	Schematic Drawing Software (H & K), by Bob Schetgen, KU7G, p 66. Schematic symbols in BMP format for drawing schematics in *Windows Paint*.



QEX Files

Issue	Folder	Article and Description
January/ February	0001RF	RF, by Zack Lau, W1VT. *ARRL Radio Designer* V1.5 balun circuit description
	LA0999	A Homebrew Logic Analyzer, by Larry Cicchinelli, K3PTO. Firmware for Logic Analyzer
	001DUNC	A Scanner Controller for Vacator-Tuned Receivers, by Thomas K. Duncan, KG4CUY. PC patterns and firmware for Scanner Controller
	0100HAGE	Build this 250-MHz Synthesized Signal Source, by Steve Hageman. Software for 2-250 MHz Signal Source
March *QST*	0003N9KS	A Simple Antenna Flipper, by Ken Secora, N9KS, p 60. BMP images of the cutting and drilling templates for a hinged antenna boom-to-mast clamp.
March/April	0300KOC	A Synthesized Down-Converter for 1691-MHz WEFAX, by Jim Kocsis, WA9PYH. PC patterns and parts list for WEFAX down-converter
May/June	LPDAPT1	Notes on Standard Design HF LPDAs, Pt 1: "Short" Boom Designs, by L. B. Cebik, W4RNL. LPDA antenna description files
July/August	LPDAPT2	Notes on Standard Design LPDAs for 3-30 MHz, Pt 2 164-Foot Boom Designs, by L. B. Cebik, W4RNL. LPDA antenna description files
	PETELOOP	A PLL Spur Eliminator for DDS VFOs, by Rick Peterson, WA6NUT. TI-82 program to analyze PLL loop stability
September/October	00RF09	RF, by Zack Lau, W1VT. 70-cm band-pass filter and twin-lead dipole feed
	UHFREM	A Simple UHF Remote-Control System: Pt 3, by Sam Ubling, N4UAU. 87C750 source code for remote keyer, Ider
	NBPF	Narrow Band-Pass Filters for HF, by William E. Sabin, W0IYH. Narrow band-pass filters for HF



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September/October	REGENFIG	New Super-Regenerative Circuits for Amateur VHF and UHF Experimentation, by Charles Kitchin, N1TEV. Super-regenerative receivers graphics
November/December	THERMIST	Thermistors in Homebrew Projects, by Doug Smith, KF6DX. BASIC source for design of thermistor circuits
	QUADS	The Quad Antenna Revisited, Pt 3: Multi-Element Quads, by R. P. Haviland, W4MB. EZNEC descriptions for "Quads Revisited" series