About the Included CD-ROM

On the included CD-ROM you'll find this entire *ON4UN's Low-Band DXing* book, including text, drawings, tables, illustrations and photographs--some in color. Using the industry-standard Adobe *Reader* (included), you can view and print the text of the book, zoom in and out on pages, and copy selected parts of pages to the Clipboard. A powerful search engine--*Acrobat Search*--helps you find topics of interest.

You'll also find a short video *Amateur Radio Today* included on the CD-ROM. This is an entertaining introduction piece that you can show to newcomers to the wonderful world of amateur radio.

Also included on the CD-ROM are a number of very useful software programs written by ON4UN. These are mentioned throughout the book.

INSTALLING YOUR LOW-BAND DXING CD-ROM

Windows

1. Close any open applications and insert the CD-ROM into your CD-ROM drive. (Note: If your system supports "CD-ROM Insert Notification," the CD may automatically run the installation program when inserted.)
2. Select **Run** from the *Windows* **Start** menu.
3. Type **d:\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**.
4. Follow the instructions that appear on your screen.

Macintosh

No installation procedure is needed for the Macintosh. To install so the CD is not required, drag the "Low-Band DXing" icon onto your hard drive.

USING YOUR LOW-BAND DXING CD

Windows

Note: If your system supports "CD-ROM Insert Notification," the *Low-Band DXing* CD may run automatically when inserted.

1. To view the electronic version of the book after installation, place the CD-ROM in your CD-ROM drive. (Note: This is not necessary if you chose a "complete installation" to your hard disk during setup.)
2. From the **Start** menu, select **Programs**, select **ARRL Software** and then **Low-Band DXing book**.
3. To run the ON4UN Low-Band DXing software, click on the **ON4UN Low-Band DXing** icon. Follow the on-screen instructions.
4. To run the ON4UN Yagi Design software, click on the **ON4UN Yagi** icon.

To view *Amateur Radio Today* or ON4UN's photos, insert the CD-ROM in your CD-ROM drive. A menu will appear with the appropriate options. If "CD-ROM Insert Notification" is disabled on your computer, click the **Start** menu, select **Run**, and type **d:\autorun** (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**.

Macintosh

To view the electronic version of the software, place the CD-ROM in your CD-ROM drive. Adobe *Reader* should launch automatically. Alternatively, open the CD-ROM and double-click **intro.pdf**. Note: The ON4UN software will only run on a PC, not on a Macintosh.

To view *Amateur Radio Today* or ON4UN's photos, insert the CD-ROM in your CD-ROM drive. Open the CD and navigate to either the "Amateur Radio Today" or "Photos" folders and double-click to view.

NOTES ON ON4UN FILES

1. Software Tools for the Book:

1.1. Conversion_calculator.XLS
Converts signal levels typically encountered at receiver inputs between μV, mV, dBμV, μW, etc. You can specify the system impedance (typically 50 or 75 Ω). This is a protected *Excel* XLS file. You must have Microsoft *Excel* on your computer to run it.

1.2. Receiver_Levels.XLS

This spreadsheet tool shows you levels involved with radio signals (from transmit power to received signal). See Chapter 3 of the book. This is a protected *Excel* XLS file. You must have Microsoft *Excel* on your computer to run it.

1.3. RX_noise_figure_and_MDS_calculation.XLS

This spreadsheet tool shows you the relation between receiver bandwidth, temperature and receiver MDS (minimum discernable signal). See Chapter 3 of the book. Again, this is a protected *Excel* XLS file. You must have Microsoft *Excel* on your computer to run it.

1.4. Sunrise_sunset.txt

This is the source code for the sunrise sunset tables mentioned in Section 5.1.7 of Chapter 1 of the book.

1.5. ON4UN Low-Band DXing Software

This directory contains all the programs that make up the **Low Band DXing** software. Start the software by typing MENU, or clicking on the icon labeled **LBDX**. The programs run under DOS and they work in a DOS box, even under windows XP. This software was sold separately since the late 1980s, and I decided to make it freely available to every reader of the new edition of the *Low-Band DXing* book.

1.6. ON4UN-Yagi-Design

This directory contains all the programs that make up the **Yagi Design software**. Start the software by typing YAGMENU, or clicking on the **Yagi** icon. The programs run under DOS and work well in a DOS box, even under windows XP. This software was sold separately since the late 1980s, and I decided to make it freely available to every reader of the new edition of the *Low-Band DXing* book.

2. Low Band Hall of Fame:

This directory contains 235 jpg pictures of well-known low-band DXers. The picture size is approximately 820 by 615 pixels, which is a compromise between quality and file size. Many of the pictures where shot by the author, but a large number were kindly sent by the DXers on the pictures. Many thanks to all.

3. ON4UN DXCC QSLs for 160 Meters:

I scanned in nearly 300 QSL cards, many on two sides. These photos are also 820 pixels in their largest dimension.

4. ON4UN DXCC QSLs for 80 Meters:

The 80-meter DXCC cards, good for 353 confirmed countries, add up to 619 pictures or files.

5. Pictorials at ON4UN:

It took me years to go through old pictures, going back more than 40 years, scanning them in, and putting together a kind of pictorial showing the evolution of my station between the late 1950s and now, the antenna works, and some other projects. It starts with old black and white pictures, then scanned color slides, ending up with digital picture since 1998. Scanning old dusty and scratched pictures and slides is easy; cleaning them up often took several hours for one picture… This is was a major undertaking. Most of it is self-explanatory. Here and there a title is added as well as a year. I trust you will appreciate that I tried only to show "quality pictures" or pictures that might have a specific high interest. I hope you will enjoy looking at some of these pictures. Your comments would of course be very welcome.

The pictures can be used in articles on amateur radio, provided credit is given, and provided I am informed of it.

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