

A RAND NOTE

CUE R3.0 Tutorial for Wylbur

Gail Covitt Roberts

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RAND

PREFACE

This document provides tutorial instruction in using the WYLBUR version 3.03 of CUE, release R3.0. CUE, a communication package, is a product of Software Resources, Inc.

This tutorial presumes knowledge of basic microcomputer procedures (such as starting your microcomputer) and of the use of WYLBUR on the IBM mainframe. No prior knowledge of a communication package is assumed.

If you have any questions while using this tutorial, please call the CIS help desk (x6000).

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HOW TO USE THIS DOCUMENT

Special typefaces and symbols are used throughout this manual to denote the keystrokes you must make on your microcomputer keyboard. These conventions are used in all User Services documentation.

- Bold** Bold indicates that you must type characters exactly as they are shown.
- Italics* Italics indicate that you should type characters like the ones shown. For example, if the instructions read
- get filename**
- type the sequence "get" and the name of the file you wish to transfer.
- " "
- Quotation marks identify filenames, commands, command parameters, and other system prompts or user responses. Punctuation marks required by the text are placed OUTSIDE the quotation marks. Punctuation marks appearing within the quotation marks are part of the system prompt or user response.
- [options]
- Square brackets indicate special options that may, but need not, be added to a command.
- d:\>
- ">" is the DOS prompt. The letter that precedes the ">" represents the disk drive you are using, e.g., "A:\>" represents the root directory in drive A. In this manual, the generic prompt "d:\>" is listed. Substitute the appropriate letter for the drive you are using (A, B, or C).
- COMMAND?
- The WYLBUR prompt. A line beginning with "COMMAND?" indicates that the system is waiting for a WYLBUR command.
- cue==>
- The CUE prompt. A line beginning with "cue==>" indicates that the system is waiting for a CUE command.

<Key> Angle brackets indicate a key with a particular label on it. Thus, if you are told to press

<Ctrl>

press the key labeled "Ctrl". <CR> represents the key marked "Return" or "Enter".

<Key+Key> Two keys joined by a "+" sign indicate a key combination. The first key listed should be held down while the second key is pressed. Then both are released. For example, if the instructions show

<Shift+F10>

hold down the <Shift> key, then press the <F10> key, then release both.

<Key> <Key> Two keys in separate sets of brackets indicate a successive key combination. The first key listed should be pressed, released, and then the second key should be pressed and released. For example, if the instructions show

<Esc>

press the <Esc> key, release it, then press the key and release it.

I. PERSONALIZING CUE

CUE, a communication package developed by Software Resources, Inc., allows computers to "talk" to each other. With CUE, you can transfer files between your IBM-compatible microcomputer (PC) and most RAND multi-user computers. The WYLBUR version of CUE R3.0 permits communication with the IBM mainframe.

The following pages provide a brief overview of the WYLBUR version 3.03 of CUE, release R3.0. Designed to get you up and running quickly with CUE, this tutorial explains how to personalize CUE for your needs, log on to the mainframe, transfer files, use your microcomputer as a terminal for WYLBUR, and log off. The appendix contains a short list of some of the changes made from release 0.98 to release R3.0 of CUE. For further information on using CUE and on CUE's capabilities, see *CUE R3.0 User's Guide for Text Processing Systems*, N-2465-CIC.

This tutorial assumes you are familiar with DOS and have installed the WYLBUR version 3.03 of CUE R3.0 on your microcomputer. For instructions on installing CUE, please see the installation documentation distributed with the CUE software.

CUE allows you to log on to WYLBUR automatically or manually from your PC, using logon keys provided in a file called "w.dir". This file contains several lines with keys and logon parameters (computer (w), user id, and account number) associated with each key. The CUE installation diskette contains a sample copy of the file.

Before you can log on to WYLBUR automatically, you must set up personalized logon keys in your "w.dir" file. You may add as many personalized keys as you like, as long as they are all unique. Once you have modified your file, you do not need to change it, unless you wish to add new keys or change logon parameters.

Figure 1 shows the contents of the "w.dir" file supplied on the installation diskette.

WARNING: You may not use a "w.dir" file from an earlier version of CUE, as the structure of the file has changed. There is no longer a column for your keyword.

key	procedure	phone	parameters	arguments
sample	randwyl	451-2551	1200-E-7-1	w userid acct
userkey	randwyl	451-2551	1200-E-7-1	w user *
resume	connect	1200	*** needed to resume at	1200 baud at home/RAND ***
rand	connect	9600	*** needed to resume at	9600 baud at Rand ***

Fig. 1--Unmodified "w.dir" file

1. On your PC, edit the "w.dir" file:

```
d:\>esp \retc\w.dir <CR>
```

2. Copy the line beginning with "userkey": move the cursor to the "userkey" line, press <F7> to pick the line, then press <F8> to place a copy of the line in your same file.

3. Modify the copied line by using the arrow keys to move the cursor to the appropriate spot and replacing entries as indicated below:

- Replace "userkey" with any unique sequence up to eight characters in length except "call" or "local". This sequence will be your personalized logon key.
- Replace "user" with your WYLBUR user id (person number).
- If you wish, you may replace the asterisk with your account number. If you leave the asterisk, CUE will prompt for your account number each time you log on. Although it is not recommended, you may also replace the asterisk with %1. If you do, you will need to type the account number each time you log on; CUE will not prompt for it.

Your modified line should look something like the line below:

```
mykey  randwyl      451-2551      1200-E-7-1  w z9999 *
```

4. If you will be logging on via a modem, you may need to make further changes to your modified line:

Modify the phone number, if necessary, as shown below (if you are using a telephone line with touchtone dialing, add a "T" before the number):

RAND from 213 area	451-2551
RAND from 213 area (touchtone)	T451-2551
RAND from outside 213 area	1-213-451-2551
Outside computer from RAND	9,###-####
Washington Office from 202 area	466-5690

Check your modem speed (see modem manual). If it is not supposed to be 1200 baud, replace "1200" with the correct speed.

5. When you have completed all necessary changes, press <Esc> and type:

```
exit <CR>
```

II. LOGON

Before you can transfer files with CUE, or use your microcomputer as a terminal for WYLBUR, you must connect to the IBM mainframe by logging on. Once you have set up a personalized logon key in your "w.dir" file (see Sec. I), you are ready to log on.

If you are using a microcomputer at RAND with a four-prong connector that plugs into a wall outlet, follow the instructions below for local logon. If you are connecting to RAND from home using a modem, follow the instructions for remote logon.

LOCAL LOGON

Automatic Local Logon

1. If you have not yet done so, start your microcomputer.
2. When you have the DOS prompt, connect to CUE:

```
d:\>callwyl <CR>
```

The following CUE startup messages will be displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

3. At the CUE prompt, enter the "local" logon command:¹

```
cue==> local <CR>
```

The contents of your "w.dir" file will be displayed.

4. When prompted, enter a personalized logon key:

```
Enter logon key: key <CR>
```

If you used %1 in place of the account number, enter instead:

```
Enter logon key: key acct <CR>
```

If you enter an invalid key, CUE reprompts for a correct key.

(continued)

¹If your local port is connected to COM2, instead of the default COM1, you must first issue the following commands:

```
cue==> unit 2 <CR>
<F9>
```

See App. C in N-2465-CIC for explanations of COM1 and COM2.

Automatic Local Logon (continued)

5. If prompted, type in the account number you wish to use:

Enter Account: *acct* <CR>

6. When prompted, type in your keyword. Periods will be displayed as you type to prevent anyone from seeing your keyword.

Enter Password: *keyword* <CR>

7. CUE proceeds to log you on, responding to the WYLBUR prompts. Once you are on, CUE sets the terminal display page size to 23 lines and sets the SLOWLIST and SCROLL modes. Tabs are also automatically set. When the "COMMAND?" prompt appears, you may begin working on WYLBUR.

You may shorten the above procedure in either of the following ways:

Automatic Local Logon, Shortcut No. 1:

1. Connect to CUE:

d:\>callwyl <CR>

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

2. Issue local logon command and provide key:²

cue==> local key <CR>

If you used %1 in place of the account number, enter instead:

cue==> local key acct <CR>

3. Logon proceeds as described in steps 5 through 7 above.

²If your local port is connected to COM2, instead of the default COM1, you must first issue the following commands:

```
cue==> unit 2 <CR>
<F9>
```

Automatic Local Logon, Shortcut No. 2:³

1. Connect to CUE and provide logon key:

```
d:\>callwyl key <CR>
```

If you used %1 in place of the account number, enter instead:

```
d:\>callwyl key acct <CR>
```

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k=key -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
NOTE: Login key specified: key Login procedure: local
```

2. Logon proceeds as described in steps 5 through 7 on page 4.

Manual Local Logon

The "rand" key, located in a line in your "w.dir" file, provides the ability to log on to WYLBUR manually. Also, if you are still logged on, have ended your CUE session, and would like to resume where you left off, use the "rand" key.

1. When you have the DOS prompt, connect to CUE:⁴

```
d:\>callwyl <CR>
```

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

2. At the CUE prompt, enter "local" logon command with "rand" key:⁵

```
cue==> local rand <CR>
```

3. When the RAND menu appears, log on as you would from any terminal. Press <w> for WYLBUR, and respond to prompts.
4. You will need to set your terminal characteristics. Type your instructions when the WYLBUR "COMMAND?" prompt appears:

```
COMMAND? <Shift+F3>
```

³If your local port is connected to COM2, you may not use this shortcut.

⁴You may shorten the procedure by combining steps one and two:

```
d:\>callwyl rand <CR>
```

⁵If your local port is connected to COM2, instead of the default COM1, you must first issue the following commands:

```
cue==> unit 2 <CR>
<F9>
```

REMOTE LOGON

Logging onto WYLBUR using a modem is similar to local logon, but you use the command "call" instead of "local". If your modem does not support the Hayes compatible command codes, you must log on manually. See *CUE R3.0 User's Guide for Text Processing Systems*, N-2465-CIC, for information on modem commands.

Automatic Remote Logon

1. If you have not yet done so, start your microcomputer.
2. When you have the DOS prompt, connect to CUE:

```
d:\>callwyl <CR>
```

The following CUE startup messages will be displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

3. At the CUE prompt, enter the remote logon command "call":⁶

```
cue==> call <CR>
```

The contents of your "w.dir" file will be displayed.

4. When prompted, enter a personalized logon key:

```
Enter logon key: key <CR>
```

If you used %1 in place of the account number, enter instead:

```
Enter logon key: key acct <CR>
```

If you enter an invalid key, CUE reprompts for a correct key.

5. If prompted, type in the account number you wish to use:

```
Enter Account: acct <CR>
```

6. When prompted, type in your keyword. Periods will be displayed as you type to prevent anyone from seeing the keyword.

```
Enter Password: keyword <CR>
```

7. CUE dials the remote system and logs you on, responding to the WYLBUR prompts. Once CUE has logged you on, it sets the terminal display page size to 23 lines, and sets the SLOWLIST and SCROLL modes. Tabs are also automatically set. When the "COMMAND?" prompt appears, you may begin working on WYLBUR.

⁶If your modem is connected to COM2 (which is usual for internal modems), you must first issue the following commands:

```
cue==> unit 2 <CR>
<F9>
```


You may shorten the above procedure in either of the following ways:

Automatic Remote Logon, Shortcut No. 1:

1. Connect to CUE:

```
d:\>callwyl <CR>
```

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

2. Issue remote logon command and provide key:⁷

```
cue=> call key <CR>
```

If you used %1 in place of the account number, enter instead:

```
cue=> call key acct <CR>
```

3. Logon proceeds as described in steps 5 through 7 on page 6.

Automatic Remote Logon, Shortcut No. 2:⁸

1. Connect to CUE, issue remote logon command, and provide key:

```
d:\>callwyl call key <CR>
```

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k=key -l=call
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
NOTE: Login key specified: key Login procedure: call
```

2. Logon proceeds as described in steps 5 through 7 on page 6.

⁷If your modem is connected to COM2 (which is usual for internal modems), you must first issue the following commands:

```
cue=> unit 2 <CR>
<F9>
```

⁸If your modem is connected to COM2 (which is usual for internal modems), you may not use this shortcut.

Manual Remote Logon

The "resume" key, located in a line of your "w.dir" file, provides the ability to log on manually via a modem. Also, if you are still logged on to WYLBUR, have ended your CUE session, and would like to resume where you left off, use the "resume" key.

1. Connect to CUE:

```
d:\>callwyl <CR>
```

CUE startup messages are displayed:

```
d:\>cue -d=d:\retc\w -p=d:\retc\w -k= -l=
cue R3.0a (c) 1984-1986 Software Resources.
Beginning operation.
```

2. Issue remote logon command with "resume" key:⁹

```
cue==> call resume <CR>
```

3. Issue your modem command to dial the RAND systems. For example:

```
ATDT451-2551
```

4. When "CONNECT" message appears, press <CR> to access the ALS:

```
CONNECT
<CR>
```

5. When the RAND menu appears, log on as you would from any terminal. Select "w" and respond to prompts.

6. Respond to model type prompt as follows:

```
Model: aj <CR>
```

7. You will need to set your terminal characteristics. Type your instructions when the "COMMAND?" prompt appears:

```
COMMAND? <F9>
cue==> setterm <CR>
```

-OR-

```
COMMAND? <Shift+F3>
```

8. When the "COMMAND?" prompt reappears, you may begin working on WYLBUR.

⁹If your modem is connected to COM2 (which is usual for internal modems), you must first issue the following commands:

```
cue==> unit 2 <CR>
<F9>
```

III. TRANSFERRING FILES

Transferring files is the process of copying a file from one computer to another. In uploading, the source location of the file is your microcomputer and the target destination is the IBM mainframe; in downloading the direction is reversed. Before you can begin transferring files, (1) you must install CUE on your microcomputer per the documentation distributed with the CUE software, (2) you must personalize CUE per the instructions in Sec. I, and (3) you must connect to the IBM mainframe per Sec. II.

DOWNLOADING

1. Your screen should show the WYLBUR prompt ("COMMAND?"). If it does not, press <CR>.
2. Bring the data set (file) to be transferred into your active file.

COMMAND? USE DATASETNAME <CR>

3. Bring up CUE command line:

COMMAND? <F9>

4. Issue download command (you may use "get" or "down"):

cue=> get <CR>

-OR-

cue=> down <CR>

5. Enter PC filename, including path if the target directory is not your current PC directory:

Enter PC filename: [path]filename <CR>

If a file already exists on your PC with the same target name, CUE prompts for a new filename or for permission to overwrite the file (pressing <CR> allows for overwrite).

6. As the contents of the active file are transferred to your PC, they are also listed on your screen. NOTE: Two extraneous lines are added to your PC file: "LIST UNN P=0" at the beginning and "COMMAND?" at the end. Remember to edit your PC file later on to remove these lines.

You may shorten the above procedure in either of the following ways:

Downloading a File, Shortcut No. 1:

1. Your screen should show the WYLBUR prompt ("COMMAND?"). If it does not, press <CR>.
2. Bring the data set (file) to be transferred into your active file.

COMMAND? **USE DATASETNAME** <CR>

3. Bring up CUE command line:

COMMAND? <F9>

4. Issue download command and target filename:

cue=> **get** [*path*]*filename* <CR>
 -OR- cue=> **down** [*path*]*filename* <CR>

5. Transfer proceeds as described in step 6 on page 9.

Downloading a File, Shortcut No. 2:

1. Your screen should show the WYLBUR prompt ("COMMAND?"). If it does not, press <CR>.
2. Bring the data set (file) to be transferred into your active file.

COMMAND? **USE DATASETNAME** <CR>

3. Bring up CUE command line and issue download command:

COMMAND? <Shift+F7>

4. Enter PC filename including path if the target directory is not your current PC directory:

Enter PC filename: [*path*]*filename* <CR>

5. Transfer proceeds as described in step 6 on page 9.

UPLOADING

1. Your screen should show the WYLBUR prompt ("COMMAND?"). If it does not, press <CR>.
2. If you have something in your active file, save it and clear text:

```
COMMAND? SAVE DATASETNAME ON DISKVOL <CR>
COMMAND? CLEAR TEXT <CR>
```

3. If your file has lines longer than 72 characters, issue a "SET LENGTH" command to accommodate them:

```
COMMAND? SET LENGTH LINELENGTH <CR>
```

4. If your file contains lowercase characters that you do not want converted to uppercase, issue a "SET UPLOW" command:

```
COMMAND? SET UPLOW <CR>
```

5. Bring up CUE command line:

```
COMMAND? <F9>
```

6. Issue upload command (you may use "put" or "up"):

```
cue==> put <CR>
-OR-
cue==> up <CR>
```

7. Enter PC filename, including path if the source directory is not your current PC directory:

```
Enter PC filename: [path]filename <CR>
```

The file is then appended, with line numbers spaced DELTA, to the end of your WYLBUR active file. You must have sufficient space in your active file or the file transfer will fail.

8. To save the transferred file, type at the "COMMAND?" prompt:

```
COMMAND? SAVE DATASETNAME ON DISKVOL <CR>
```

9. If you would like to transfer another file, first clear the active file:

```
COMMAND? CLEAR TEXT <CR>
```

You may shorten the above procedure in either of the following ways:

Uploading a File, Shortcut No. 1:

1. Follow steps 1 through 4 on page 11.
2. Bring up CUE command line:

COMMAND? <F9>
3. Issue upload command and specify PC filename:

cue=> **put** [*path*]*filename* <CR>
-OR- cue=> **up** [*path*]*filename* <CR>
4. Continue with step 8 on page 11.

Uploading a File, Shortcut No. 2:

1. Follow steps 1 through 4 on page 11.
2. Bring up CUE command line and issue upload command:

COMMAND? <Shift+F8>
3. Enter PC filename, including path if the source directory is not your current PC directory:

Enter PC filename: [*path*]*filename* <CR>
4. Continue with step 8 on page 11.

IV. USING YOUR PC AS A TERMINAL

When you log on to WYLBUR, CUE automatically enters the keyboard mode (WYLBUR prompt "COMMAND?"). Your microcomputer now functions as a terminal for WYLBUR unless you explicitly let CUE know you want to shift control back to the microcomputer. In the keyboard mode, special definitions have been assigned to certain key combinations to make your work easier.

PC Key	WYLBUR Command	Function
<F1>	<Break>	Create soft break (see appendix).
<F2>	<Break>	Create hard break (see appendix).
<F3>	RETRY	Perform the last command again.
<F4>	RUN HOLD UNN	Submit contents of active file.
<F5>	LOC	Display status of current job.
<F6>	FETCH	Bring current job output into active file.
<F7>	SHOW JOBS	Display status of all jobs.
<F8>	PRINT	Send current job output to printer.
<Alt+F1>	USE	Move data set into active file (give <i>dsname</i>)
<Alt+F2>	SAVE	Save contents of active file (give <i>dsname</i>).
<Alt+F3>	SCRATCH	Delete data set (give <i>dsname</i>).
<Alt+F7>	LIST	Display contents of active file on screen.
<Alt+F8>	LIST MEMO	Print active file on memo printer.
<Alt+F10>	LIST LASER	Print active file on laser printer.
<Bsp>	<Bsp>	Backspace.
<Esc>	<Break>	Create hard break (see appendix).

PC Key	CUE Command	Function
<Shift+F3>	setterm	Set terminal characteristics for CUE.
<Shift+F5>	dir /w	Display contents of current PC directory.
<Shift+F6>	SHOW DSN ¹	Display IBM mainframe user files on current volume.
<Shift+F7>	get	Start CUE downloading procedure.
<Shift+F8>	put	Start CUE uploading procedure.
<Shift+F9>	dos	Move into DOS (you type exit <CR> to return to CUE).
<Shift+F10>	LOGOFF ¹ <F9> exit	Log off WYLBUR, disconnect line, exit CUE.

¹Executed from WYLBUR prompt (COMMAND?), not CUE prompt (cue==>).

V. CUE UTILITIES

A number of utilities, i.e., general-purpose computer programs, are available from the CUE command line. They are listed below. All but four are described in some detail in Sec. VI of *CUE R3.0 User's Guide for Text Processing Systems*, N-2465-CIC.

To run these utility commands, press <F9> to bring up the CUE prompt (cue==>), type the command as directed below, then press <CR>.

cd [[d:]path]	Change to the specified directory.
cprint	Cease printing text from screen.
dir [d:][path][filename] [/p] [/w]	List entries for the specified or default directory.
dos	Move into DOS. CUE is still active. To return to CUE, type exit <CR>.
drive d:	Change to the specified drive.
dropdtr	Disconnect communication line from ALS.
edit [d:][path]filename	Edit the named file with ESP.
format d: [options]	Format a diskette on the A or B drive.
print [d:][path][filename]	Collect the incoming text on screen to named PC file or print to local printer if no filename is given.
run command [parameters]	Run the specified DOS command.
setterm	Set terminal characteristics for CUE.
superloc [time]	Display status of job at specified interval (seconds).
tellslow	Display the value of the WYLBUR slowdown parameter.
type [d:][path]filename	Display the contents of the named file.

VI. LOGOFF

When you have completed file transfer and any other work you may be doing on WYLBUR, you must log off to avoid incurring unnecessary charges. Even if you are working only on your microcomputer, you will be charged for connect time to the IBM mainframe until you log off of it.

To log off WYLBUR, you must be in keyboard mode ("COMMAND?" prompt). If the "COMMAND?" prompt does not appear, press <CR>. You may log off automatically or manually, as shown below:

AUTOMATIC LOGOFF

To log off WYLBUR and exit CUE:

```
COMMAND? <Shift+F10>
```

MANUAL LOGOFF

1. Log off WYLBUR:

```
COMMAND? logoff <CR>
```

2. When the ^L symbol appears, enter the CUE command mode:

```
L <F9>
```

3. Exit CUE:

```
cue==> exit <CR>
```


Appendix

NEW FEATURES OF THE WYLBUR VERSION OF CUE RELEASE R3.0

The following lists in brief some of the changes made to the WYLBUR version of CUE since release 0.98.

GENERAL CHANGES

It is no longer necessary to have a different CUE procedure file for each type of microcomputer system. CUE automatically adjusts the rate at which it transmits characters depending on the speed of the CPU processor.

A procedure named "wbreak", which sends a hard break to WYLBUR, has been added. A hard break is a condition where the transmit line to WYLBUR is held "high" for a specific interval. For WYLBUR, the necessary interval is approximately 160 milliseconds. All RAND terminals have a <Break> key which performs this function. The "wbreak" procedure and the associated keys (<Esc> and <F2>) emulate this function.

In most circumstances, generating a "hard break" is preferable to generating a "soft break", i.e., where <Ctrl+Q> is sent to WYLBUR. The procedure "wbreak" corrects certain communication problems, particularly those associated with new RAND digital communication equipment.

LOGON CHANGES

Logon and logoff procedures in CUE R3.0 have been streamlined and error checking and recovery improved. The following features have been added:

- One step logon: Enter the logon key and command ("local" or "call") on the "callwyl" command line.
- One step logoff: Press <Shift+F10>.
- Enhanced security--elimination of password field in "w.dir" file and relocation of file to the "retc" directory.
- Asterisk substitution added: Use an asterisk in place of your keyword, account number or user id; CUE will prompt for the missing information at logon.
- Tabs are set for you when logging onto WYLBUR automatically.
- Scroll and slowlist modes are set for you when logging onto WYLBUR automatically.
- Error checking--CUE now checks if the specified logon key exists; if it does not, CUE prompts for a new key.

FILE TRANSFER CHANGES

File transfer procedures have been enhanced and new features added:

- Addition of "up" and "down" as aliases for the file transfer commands "put" and "get", respectively.
- Full prompting in file transfer procedures--CUE now prompts you if the target or source filenames were not given in the "get" or "put" commands.
- Ability to accept full pathnames for PC files--you no longer need to change directories or drives when transferring files to or from your PC.
- Protection against accidentally overwriting files: When downloading, CUE checks whether a file with the same target filename exists; if so, CUE prompts you for a new filename or for permission to write over the old file.
- The "get" and "put" procedures no longer use "soft breaks" (i.e., <Ctrl+Q>) to initiate and end the file transfer process, thus allowing file transfers through the new series of communication equipment being installed at RAND.
- Uploaded files are appended to the end of the active file if it has not been cleared.

KEY DEFINITION CHANGES

The <Esc> and <F2> keys have been reprogrammed to send a "hard break" rather than a "soft break". <F1> still functions as a soft break. See "General Changes" above for a discussion of the difference between a hard and soft break.

The following keys have been added:

- <Shift+F3> = Sets terminal characteristics.
- <Shift+F5> = Displays contents of current DOS directory.
- <Shift+F6> = Displays IBM mainframe user files on current volume.
- <Shift+F7> = Starts CUE downloading (get) file transfer procedure.
- <Shift+F8> = Starts CUE uploading (put) file transfer procedure.
- <Shift+F9> = Enters DOS shell from within CUE.
- <Shift+F10> = Log offs WYLBUR, disconnects line, and exits CUE.

ADDED UTILITY FUNCTIONS

The following utilities have been added to CUE R3.0:

cd	Moves into different DOS directory.
dir	Displays contents of DOS directory.
drive	Changes current DOS drive.
format	Formats diskette on A or B drive only.
run	Runs DOS command which can include parameters and options.
type	Displays contents of DOS file on screen.
dropdtr	Disconnects communication line from the ALS. This is equivalent to pulling the 4-prong plug out of the wall and reconnecting it.
setterm	Sets terminal characteristics for CUE.
superloc	Displays status of a job at specified intervals (seconds).
tellslow	Displays the value of the WYLBUR slowdown parameter.

BIBLIOGRAPHY

Roberts, Gail Covitt, *CUE R3.0 User's Guide for Text Processing Systems*, The RAND Corporation, N-2465-CIC, October 1987.

Roberts, Gail Covitt, *CUE R3.0 Tutorial for Text Processor Users*, The RAND Corporation, N-2667-CIC, October 1987.

Critique Form
 CUE R3.0 TUTORIAL FOR WYLBUR

Please help us evaluate this tutorial by completing the five statements below. Return the form to Bill Lisowski, CIS/3.

1. My knowledge of the PC is

limited	extensive
1 2 3 4 5 6 7 8 9 10	

2. My PC is a

_____ Diskette System
 _____ Hardcard System
 _____ Hard Disk System

3. This tutorial contained:

very little	all	of the information I needed to
1 2 3 4 5 6 7 8 9 10		get started with CUE.

Comments:

4. This tutorial was:

difficult	easy	to follow.
1 2 3 4 5 6 7 8 9 10		

Comments:

5. Other comments:

Name (optional): _____

