DUMP

DECUS Program Library Write-up DECUS No. 8-206

Operating Procedure:

Load the program and start at 1ØØØ. DUMP will respond by typing "BLOCK:." Type the four-digit (including leading zeroes) octal block number of the block to be dumped, followed by a carriage return. A back arrow will cancel what the user has typed, and the program will wait for a new block number. If any character other than an octal number is typed, or if more or less than four digits and a carriage return are typed, the program will type a "?" and wait for a new block number to be entered.

Then, DUMP will ask "TAPE OR DISK:," and the user must type "T" or "D." Any other character will cause the program to repeat the question. If tape is chosen, DUMP will ask "TAPE UNIT:." The user is expected to type the number (Ø = 8) of a unit currently on line with a tape mounted and set to REMOTE; otherwise, DUMP will type "I/O ERROR" and halt. Also, if the block number entered is greater than the highest block number on the selected device, the program will return to the start of the dialogue.

When DUMP has the requested information, it will fetch the given block and begin to write the octal contents, word by word. (An I/O error on either device will cause the program to type "I/O ERROR" and halt.) After dumping the entire block, the program will begin the initial dialogue again.

While DUMP is reading or writing the selected block, typing certain control characters will cause a halt in the current typeout and the following action:

↑ C (control C) - return to monitor
↑ B (control B) - return to initial dialogue
↑ N (control N) - read and write contents of next successive block on currently selected device

Note: There is an "interrupt test table" on page zero which lists devices to be checked and action to be taken when an interrupt occurs. Except for the dectape and keyboard, this device list may be altered to suit the individual user. However, the last entry in the table always must be Ø. The interrupt system will be on only when the dectape is being read.

```
BLOCK:  0177
TAPE OR DISK:  D
CONTENTS OF 129TH (LINK) WORD  0201

       0     1     2     3     4     5     6     7

00  0373  3047  0200  4570  0043  7000  7000  6101
01  6051  6000  0000  1000  6102  4544  5164  0000
02  2600  6103  5457  4144  7000  7000  6104  1643
03  4416  0000  0000  6105  6041  5444  0000  6200
04  6106  4657  4354  0000  0200  6107  5453  4456
05  0000  0200  6110  5457  5753  0200  0200  6111
06  4451  6200  6000  6000  6112  1644  4464  0200
07  0000  6013  1663  7155  0200  0000  6014  4465
10  5560  0000  1000  6015  0000  0000  0000  0000
11  0000  4444  6400  7200  7200  6117  6367  4160
12  0200  7636  6120  6460  4757  0400  0400  6121


BLOCK:  0177
TAPE OR DISK:  T
TAPE UNIT:  0
CONTENTS OF 129TH (LINK) WORD  0201

       0     1     2     3     4     5     6     7

00  0005  3047  0200  4570  0043  7000  7000  6101
01  6051  6000  0000  1000  6102

BLOCK:  0200
CONTENTS OF 129TH (LINK) WORD  0202

       0     1     2     3     4     5     6     7

00  0101  0101  0101  0101  0101  0101  0101  0101
01  1201  1301  1301  1301  1401  1404  1404  1404
02  1405  1505  1505  1505  1505

BLOCK:  0201
CONTENTS OF 129TH (LINK) WORD  0207

       0     1     2     3     4     5     6     7

00  0000  0000  0000  7044  4464  0000  7636  6132
01  0000  0000  0000

BLOCK:  1234
TAPE OR DISK:  D

BLOCK:  0034
TAPE OR DISK:  D
CONTENTS OF 129TH (LINK) WORD  0035

       0     1     2     3     4

00  0000  0000  1142  3200
```

Typeout halt by ↑ N; next block read and dumped.

Typeout halted by ↑ B; return to dialogue.

No such block on Disk; Return to Dialogue

Typeout halted by ↑ C; return to monitor.