DECUS

PROGRAM LIBRARY

DECUS NO.	12-30
TITLE	TDUMP
AUTHOR	S. G. Wellcome and D. F. Pavlock
COMPANY	Digital Equipment Corporation Maynard, Massachusetts
DATE	May 12, 1971
SOURCE LANGUAGE	LAP6-DIAL

DECUS Program Library Write-up   DECUS No. 12-30

ABSTRACT

TDUMP (Tape Dump program) allows the programmer to print out the contents of any block of his LINCtapes or disk. The output will be printed on any of the following three printers: Teletype, LPØ8 printer, LP12 printer.

The program is a standard load and go LAP6-DIAL binary. All input information is via a standard QANDA frame. All I/O is buffered and the tape runs in NOPAUSE mode. The output printed is the octal contents of each block.

REQUIREMENTS

TDUMP will run on any PDP-12 system that supports DIAL-MS.

LOADING

The program uses the DIAL-MS, Version II I/O Routines on tape DEC-12-SE2E-UO for its input and output, and reads the I/O routines from the systems device (tape Ø if tape system, disk unit 1Ø if disk system). The program is loaded in normal fashion:

$$\longrightarrow \text{LO TDUMP,U} \qquad\qquad \text{WHERE U=UNIT}$$

Starting address, if not self starting, is 4Ø2Ø, LINC mode. After the program has been started and the I/O Routines read into core, the following QANDA message will appear:

```
                    TDUMP
          (LINCTAPE OR DISK DUMP PROGRAM)

          UNIT '--
          STARTING BLK. ----
          NO. OF BLKS. ----
          TYPE OF PRINTER -
                Ø=TTY
                1=LPØ8
                2=LP12
```

The user can now input the necessary information. Legal blocks are ØØØØ to 7777 and legal units are ØØ - 77. Units are standard DIAL-MS, Version II (DEC-12-SE2E) units; Ø to 7 = LINCtape units Ø to 7; 1Ø - 45 are RKØ8 or RSØ8 logical disk units (See LAP6-DIAL Reference Manual, DEC-12-SE2D-DN for further explanation). Since DF32 disks are not assigned as logical DIAL-MS units, they cannot be dumped. If a nonexistent block or unit is specified, results are questionable, no check is made on any input. If a nonexistent unit is specified you should get a "NO" message, type a return to return to DIAL or restart at 4Ø2Ø in LMODE.

Once the program is finished it will return to the QANDA frame for more input. If you are all done and wish to return to DIAL, type a control D. If anytime during output, you want to return to the QANDA frame, type a return on the teletype.

The output will have the following format:

```
(WORD)*        UNIT XX          BLOCK YYYY
ØØØ    XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX
Ø1Ø    XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX
  .      .    .    .    .    .    .    .    .
  .      .    .    .    .    .    .    .    .
  .      .    .    .    .    .    .    .    .
  .      .    .    .    .    .    .    .    .
37Ø    XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX
```

*(WORD) is not printed out.