DECUS

PROGRAM LIBRARY

DECUS NO.	12-21
TITLE	MODIFIED MAGSPY
AUTHOR	Lawrence Moss
COMPANY	University of Vermont, College of Medicine Burlington, Vermont
DATE	March 15, 1971
SOURCE LANGUAGE	DIAL-Patched

This is a minor modification of the DEC MAGSPY distributed as part of the PDP-12 DEMO monitor system. This magspy operates like the standard version with the following exceptions:

1. Sense switch 2 will give the octal value of each word of the block as in the DEMO monitor version. The functions of switches 0 and 1 remain the same: 0= wave forms; 1= large characters.

2. The program starts at address 4020 in Linc mode with the request for starting tape block and unit number. The introductory and instruction frames are skipped.

3. During display, one can restart DIAL at any time by hitting the 'RETURN' key on the teletype.

4. Movement of the display has been changed from knob 7 to knob 4. This was done because DIAL uses knob 7 to determine how many lines of text to display in editor mode. The separation of function was felt to be more convenient as it would decrease the amount of knob twisting in going back and forth from DIAL to MAGSPY. Any other knob can be selected in the following manner: display the index to determine the starting tapeblock. Using PATCH, bring in the 5th block after the start (header +5) into core. Word 075 contains 0104 (SAM 4), which can then be modified to 010n (SAM n) where n is the desired knob, or in fact, any other SAMpleable analog input.