Catalog Number 0106

IDENTIFICATION:

MEMORY CLEAR I

AUTHOR:

A. W. England, PBC

ACCEPTED:

March 1, 1961

PURPOSE:

To clear all of memory except the Octal Utility Package. All lines from 02 through 37 and 00 are cleared with the exception of the first two sectors

of 02.

RESTRICTIONS:

At least lines 00, 01, and 02 must be in the com-

puter.

2. Lines numbered 40)<sub>8</sub>-77)<sub>8</sub> will not be cleared, nor will sectors 000 and 001 of line 02.

3. The Octal Utility Package must be in memory.

STORAGE:

All of line 00 plus the first two sectors of line 02 are used, along with some functions of the Octal Utility

Package.

TIMING:

The program requires approximately 19 seconds including tape reading. After the tape is loaded, it

requires 2 seconds to clear memory.

USE:

The program is self-contained and self-starting. All the user need do is insert the tape in the Flexowriter reader and, under Octal Utility control, depress the F key. After clearing memory the program clears itself and halts in line 00 with all console lights out. To return to Octal Utility control, depress the ENABLE and BREAKPOINT switches and strike the I key, then raise the switches.

METHOD:

The program uses the Octal Utility Package to set the Index register to 02, then clears line 02. After clearing 02, the Index register is incremented by 1 and MCL

## METHOD (cont.):

and TRU instructions are stored in line 02. The MCL moves 02 to the indexed line, then control returns to 00 where the first two sectors of the indexed line are cleared and the Index register incremented by one again.

When the Index register, line 37, is cleared to 00, the next MCL will clear line 00 and the TRU will go to a HLT in line 00.

## pb Packard Bell Computer

PB 250 PROGRAM LISTING

PROBLEM \_\_\_\_\_\_ Memory Clear I

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PROGRAMMER	A. W. ENGLAND		DATE 3/1/61
LOCATION	INSTRUCTION	SYMBOLIC OP CODE	REMARKS
00000\$	001525001	IAM	
	003\$21001	LSD 1	
	030 0401;	LDC	To clear line 02
	025 3400;	TCN	10 0.001 1 02
	377\$4500;	CLA	
	02650700;	LDP	
	05353700;	TRU	Set up line 02
	000\$71001	MCL	Jose of time of
	000 1302;	STD	
	03154500;	CLA	
	05254300;	CLB	
	07350437;	LDC	Clear 03 through 37 and 00
	077 2200;	RSI 2	Clear 03 through 37 and 00
	135\$1037;	STC	
	000 13001	STD	
	00153702;	TRU	
00002\$	00253700;	TRU	To line 00 with 00 with I.R. = 02
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