

NEW NUMBER = DZPAB

PA611 MULTI READER PUNCH EXERCISER

ABSTRACT

The function of this test is to detect malfunctions caused by the interaction of multiple pa611 typesetting systems. The program types out a sequence of message on the console TTY that ask the operator to select his test configuration. The punches generate a tape with a special binary count pattern and the readers expect to read a tape with this pattern. Therefore any punch can serve any reader so long as they are the same code level (6 bits vs. 8 bits).

REQUIREMENTS

1. PDP-11/22 system
2. High Speed Reader
3. 0 to 16 typesetting punches
4. 0 to 16 typesetting readers

STORAGE = 4K

LOADING

EXECUTION TIME = Program runs indefinitely, Execution time is determined by the tape length.

STARTING PROCEDURE = 200

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

The program will type the following sequence

1. Message 1 = "set SR to vector of reader 0"

The program then halts at which point the operator must load the console switches with the vector address of the first reader and press continue.

2. Message 2 = "set SR to readers test"

The program then halts at which point the operator must select readers to test and press continue.

```
SW051 test reader 0
SW151 test reader 1
ETC.
```

3. Message 3 = "set SR to code level"=up=8 down=6

This message print and halt is executed only if one or more readers is selected for test. The operator is required to indicate the code level of each reader selected by using the console switches as follows and press continue,

```
SW#1=5 level code for reader 0
SW#2=6 level code for reader 0
SW#1=8 level code for reader 1
ETC,
```

4. Message 4 = "set SR to punches to test"

The program then halts at which point the operator is requested to select the punches to test and press continue,

```
SW#1=test punch 0
ETC,
```

5. Message 5 = "set SR to code level"=up=8 down=6"

The program then halts, The switch interpretation is the same as item 3 above,

6. Message 6 = "setup SR, normal SR=000000,
Press continue",

The operator then resets the switch register options as follows:

```
SR15=halt on all errors
SR14=inhibit printing of error messages
SR13=inhibit stall
```

At this time depressing continue will start the exerciser.