

UNIVERSITY OF ILLINOIS  
DIGITAL COMPUTER LABORATORY  
ILLIAC II LIBRARY ROUTINE P1-PAU-69v

TITLE: TESTING PROGRAM FOR PAU CHANNEL  
TYPE: Complete symbolic test program written in NICAP language.  
NUMBER OF WORDS: 59 words  
LOCATION IN MEMORY: relocatable  
DATA STORAGE: loc. 510-511 (Octal 00776-00777)  
DURATION: Will run continuously with black switch down  
TO USE: Set up PAU and channel ready for the test. Deck is to be read in via regular NICAP input, and when the program is loaded into ILLIAC II memory, put black switch down.

DESCRIPTION: A random number is transmitted to PAU, then the number is recalled from the PAU. The word received is compared with the word sent. As the program runs, a count of the number of transfers taking place is kept. If an error occurs, a message to the effect will be printed and the test continues.

ERROR PRINTOUT: If an error occurs, the message "PAU FAIL" is printed.

The transfer count will be printed as follows:

TRA. C.   xxxxx xxxxxx xxxxxx xxxxxx

The leading zeros of each quarter word of transfer counter are suppressed.

EHRMAN #  
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The correct word and incorrect word will be printed as follows:

Correct     xxxxx xxxxx xxxxx xxxxx

Incorrect  xxxxx xxxxx xxxxx xxxxx

Note: This program uses TØPS for output.

The first two bits of SR28 specify the mode:

Bit 0 = 0 for output

      = 1 for bypass output

Bit 1 = 0 for typewriter

      =1 for paper tape.

DATE:	August 11, 1964
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