

# DECUS

## PROGRAM LIBRARY

DECUS NO.	FOCAL8-87
TITLE	KEYBOARD READABLE PUNCH
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DATE	November 13, 1969
SOURCE LANGUAGE	FOCAL



## KEYBOARD READABLE PUNCH

DECUS Program Library Write-up

DECUS No. FOCAL8-87

### ABSTRACT:

Users of paper tape who also have limited core storage might appreciate a routine that operates manually from the TTY keyboard (LOCAL) to punch readable characters. Using this procedure, the leader portion of the paper tape can be perforated in a meaningful way for tape identification.

The procedure is described for using a table of TTY key combinations to punch readable alphanumeric notation. Many additional symbols might be added to this table by simply drawing them on 1/10 inch section paper (leave one whole channel for feed holes), ensuring that code element 8 will always punch, and then transcribing the required punch pattern into the corresponding 3 digit octal code. The ASCII code table indicates the required keys or combinations of keys when it is considered that SHIFT will suppress channel 7, and CTRL will invert channel 5. Since the keyboard can generate only codes in the 200 and 300 series, channel 8 must be used in all cases, and the result is most pleasing if this is considered as underlining the characters punched.

KEYBOARD

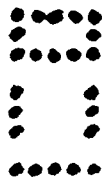
REFORMABLE

PUNCH

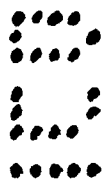
K E Y B O A R D

A S S E S S M E N T

P I N N O T



?  
CTRL-E  
CTRL-E  
CTRL-E  
?



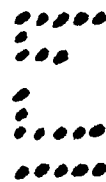
?  
%  
%  
%  
CTRL-Z



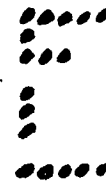
CT-SH-N  
:  
:  
:  
CTRL-R



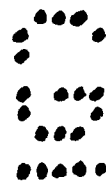
?  
:  
:  
:  
CT-SH-N



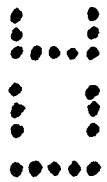
?  
%  
%  
:  
:



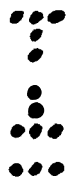
?  
CTRL-E  
CTRL-E  
CTRL-A  
CTRL-A



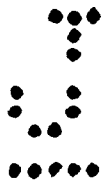
CT-SH-N  
:  
)  
)  
CTRL-Z



?  
CTRL-D  
CTRL-D  
CTRL-D  
?



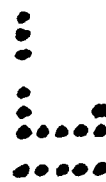
!  
?  
!



CTRL-X  
SPACE  
!  
CT-SH-O  
CTRL-A



?  
CTRL-D  
CTRL-D  
CTRL-J  
I



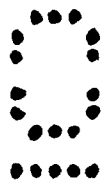
?  
SPACE  
SPACE  
SPACE  
ø



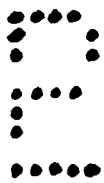
?  
CTRL-B  
CTRL-D  
CTRL-B  
?



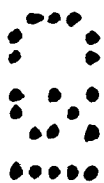
?  
CTRL-B  
CTRL-L  
CTRL-P  
?



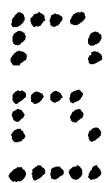
CT-SH-N  
:  
:  
:  
CT-SH-N



?  
CTRL-I  
CTRL-I  
CTRL-I  
CTRL-F



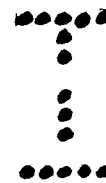
CT-SH-N  
:  
)  
CTRL-Q  
.



?  
CTRL-I  
CTRL-I  
CTRL-Y  
&



"  
%  
%  
%  
CTRL-Y

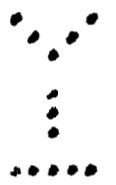
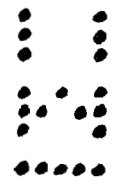


CTRL-A  
CTRL-A  
?  
CTRL-A  
CTRL-A



CT-SH-O  
SPACE  
SPACE  
SPACE  
CT-SH-O

KEYBOARD PUNCH



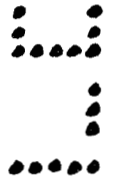
CTRL-C  
 CTRL-L  
 ∅  
 CTRL-L  
 CTRL-C

?  
 CTRL-P  
 CTRL-H  
 CTRL-P  
 ?

1  
 CTRL-J  
 CTRL-D  
 CTRL-J  
 1

CTRL-A  
 CTRL-B  
 CTRL-B  
 CTRL-A

!  
 1  
 )  
 %  
 #



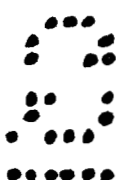
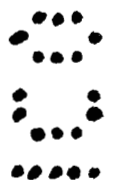
?

1  
 )  
 %  
 %  
 #

"  
 !  
 %  
 %  
 CTRL-Z

CTRL-G  
 CTRL-D  
 CTRL-D  
 CTRL-D  
 ?

'  
 %  
 %  
 CTRL-U  
 CTRL-I



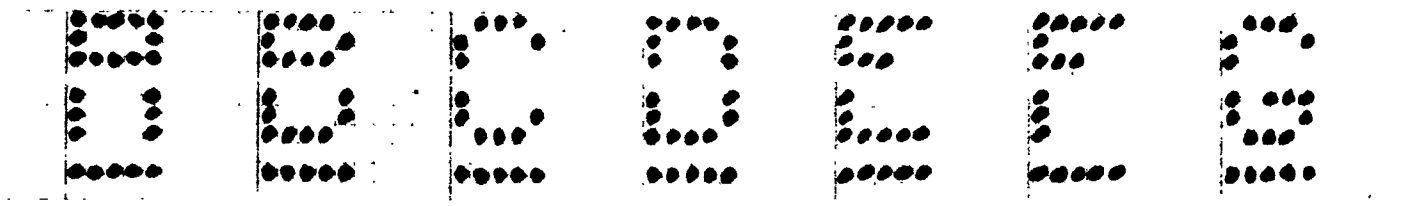
CTRL-L  
 CTRL-R  
 !  
 )  
 CTRL-X

CTRL-A  
 CTRL-A  
 9  
 CTRL-E  
 CTRL-C

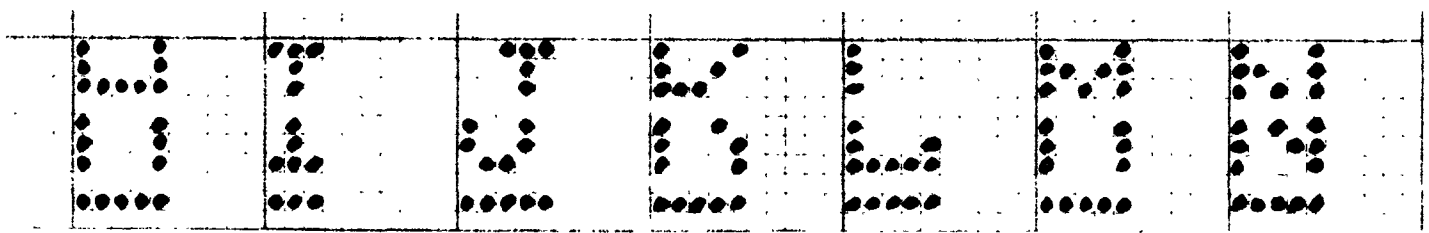
CTRL-Z  
 %  
 %  
 %  
 CTRL-Z

CTRL-F  
 %  
 !  
 CTRL R  
 CTRL-L

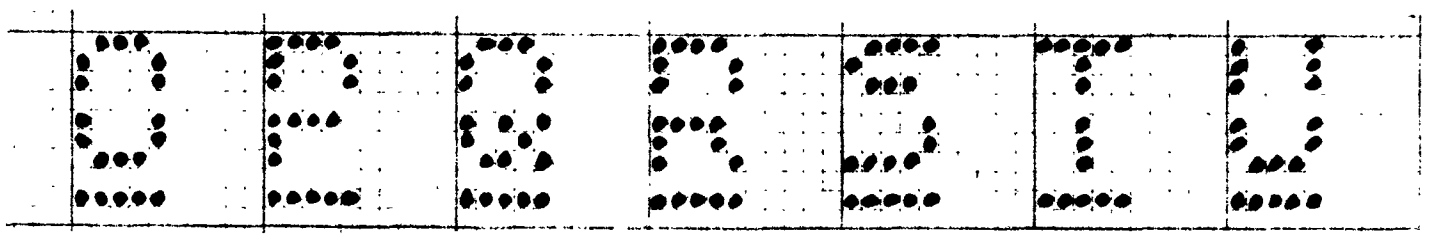
SPACE  
 CT-SH-N  
 )  
 !  
 %  
 CT-SH-N



?	?	CT-SH-N	?	?	?	CT-SH-N
CTRL-E	%	:	:	%	CTRL-E	:
CTRL-E	%	:	:	%	CTRL-E	)
CTRL-E	%	:	:	:	CTRL-A	)
?	CTRL-Z	CTRL-R	CT-SH-N	:	CTRL-A	CTRL-Z

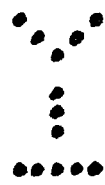
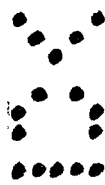
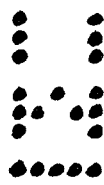
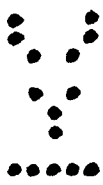


?	:	CTRL-X	?	?	?	?
CTRL-D	?	SPACE	CTRL-D	SPACE	CTRL-B	CTRL-B
CTRL-D	:	:	CTRL-D	SPACE	CTRL-D	CTRL-L
CTRL-D	?	CT-SH-O	CTRL-J	SPACE	CTRL-B	CTRL-P
?	:	CTRL-A	I	∅	?	?



CT-SH-N	?	CT-SH-N	?	"	CTRL-A	CT-SH-O
:	CTRL-I	:	CTRL-I	%	CTRL-A	SPACE
:	CTRL-I	)	CTRL-I	%	?	SPACE
:	CTRL-I	CTRL-Q	CTRL-Y	%	CTRL-A	SPACE
CT-SH-N	CTRL-F	.	&	CTRL-Y	CTRL-A	CT-SH-O





CTRL-C  
CTRL-L  
∅  
CTRL-L  
CTRL-C

?  
CTRL-P  
CTRL-H  
CTRL-P  
?

1  
CTRL-J  
CTRL-D  
CTRL-J  
1

CTRL-A  
CTRL-B  
<  
CTRL-B  
CTRL-A

!  
1  
)  
%  
#



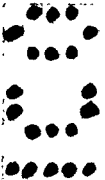
?

1  
)  
%  
%  
%  
#

"  
!  
%  
%  
%  
CTRL-Z

CTRL-G  
CTRL-D  
CTRL-D  
CTRL-D  
?

'  
%  
%  
CTRL-U  
CTRL-I



CTRL-L  
CTRL-R  
!  
)  
CTRL-X

CTRL-A  
CTRL-A  
9  
CTRL-E  
CTRL-C

CTRL-Z  
%  
%  
%  
CTRL-Z

CTRL-F  
%  
!  
CTRL R  
CTRL-L

SPACE  
CT-SH-N  
)  
!  
%  
CT-SH-N

KEYBOARD PUNCH

