M E M O R A N D U M

TO: TX-0 Computer Users

SUBJECT: New Flexowriter Type Face

Date: 27 August 1959

A new flexowriter has been obtained from Lincoln Laboratory this week. It is equipped with the set of characters used by Lincoln Laboratory for the operation of the TX-2 Computer. The codes for these characters are given on the accompanying sheet. Also shown are the corresponding characters in the standard type face.

You will note that:

1) Letters typed in lower case will appear on the typescript in upper case, but are otherwise unchanged.

2) The digits 0 - 9 in lower case have been redefined so that they appear in sequence on the last row of the flexowriter keyboard.

3) The upper case characters have been replaced by a set of useful new symbols.

4) Machine functions (tab, cr, stop, space, backspace) are unchanged.

In view of the usefulness of the new symbols, and to insure compatibility with Lincoln equipment, the new format will probably become standard at TX-0.

To help with the change over, the following programs are in preparation:

1) A new utility program using the new type on the on line flexo and having many other new features. This program will occupy the last registers of the enlarged memory.

2) A version of MACRO II which will convert tapes typed on flexowriters equipped with the new type face.

3) A program which will translate English tapes typed for MACRO or MACRO II in standard type, to English tapes in the new type face which may be converted by the modified version of MACRO II.

Signed: _J. Dennis_
       J. B. Dennis

JBD/dbh

COMPARISON OF STANDARD AND LINCOLN TYPE FACES

OLD LC	OLD UC	OCTAL VALUE	NEW LC	NEW UC
		00		
		01		
e	E	02	E	γ
8	8	03	6	#
		04		
|		05	,	'
a	Ā	06	A	≈
3	3	07	1	Σ
space		10	SPACE	
=	:	11	+	≡
s	S	12	S	≯
4	4	13	2	|
1	I	14	I	↓
+	/	15	—	=
u	U	16	U	ħ
2	2	17	0	☛
color		20	COLOR	
°	)	21	)	}
d	D	22	D	¢
5	5	23	3	‖
r	R	24	R	Δ
1	1	25	°	*
j	J	26	J	y
7	7	27	5	×
n	N	30	N	∩
,	(	31	(	{
f	F	32	F	t
6	6	33	4	/
c	C	34	C	v
—	~	35	9	>
k	K	36	K	ε
		37		

OLD LC	OLD UC	OCTAL VALUE	NEW LC	NEW UC
t	T	40	T	∈
		41		
z	Z	42	Z	~
backspace		43	BACKSPACE	
l	L	44	L	?
tabulate		45	TABULATE	
w	W	46	W	β
		47		
h	H	50	H	×
car ret		51	CAR RET	
y	Y	52	Y	λ
		53		
p	P	54	P	♭
		55		
q	Q	56	Q	α
		57		
o	O	60	0	J
stop		61	STOP	
b	B	62	B	c
		63		
g	G	64	G	ω
		65		
9	9	66	7	→
		67		
m	M	70	M	∪
upper case	71	UPPER CASE		
x	X	72	X	∧
		73		
v	V	74	V	⊃
lower case	75	LOWER CASE		
0	°	76	8	<
delete		77	DELETE	