

# UNIVAC SYSTEM

## INSTRUCTIONS

**Am** (m) → rX; (rX)+(rA) → rA  
**Bm** (m) → rA, rX  
**Cm** (rA) → m; 0 → rA  
**Dm** (m) → rA; (rA) ÷ (rL) → rA (ROUNDED)  
     → rX (UNROUNDED)  
**Em** (rF) EXTRACTS (m) → rA  
**Fm** (m) → rF  
**Gm** (rF) → m; (rF) UNALTERED  
**Hm** (rA) → m; (rA) UNALTERED  
**Jm** (rX) → m; (rX) UNALTERED  
**Km\*** (rA) → rL, 0 → rA  
**Lm** (m) → rL, rX  
**Mm** (m) → rX; (rL)x(rX) → rA (ROUNDED)  
**Nm** -(m) → rX; (rL)x(rX) → rA (ROUNDED)  
**Pm** (m) → rX; (rL)x(rX) → rA, rX (22 DIGITS)  
**Qm** IF (rA)=(rL), TRANSFER CONTROL TO m  
**Rm** ON LINE c, RECORD [00 000 U(c+1)] IN m  
**Sm** -(m) → rX; (rX)+(rA) → rA  
**Tm** IF (rA)>(rL), TRANSFER CONTROL TO m  
**Um** TRANSFER CONTROL TO m  
**Vm** (m), (m+1) → rV  
**Wm** (rV) → m, m+1  
**Xm\*** (rX)+(rA) → rA  
**Ym** m THRU m+9 → rY  
**Zm** (rY) → m THRU m+9  
**00m\*** SKIP  
**.nm\*** SHIFT (rA) RIGHT, WITH SIGN, n PLACES  
**;nm\*** SHIFT (rA) LEFT, WITH SIGN, n PLACES  
**-nm\*** SHIFT (rA) RIGHT, EXC. SIGN, n PLACES  
**Onm\*** SHIFT (rA) LEFT, EXC. SIGN, n PLACES  
**†1nm\*** 60 WORDS FROM TAPE TO rI, FORWARD  
**†2nm\*** 60 WORDS FROM TAPE TO rI, BACKWARD  
**†3nm** (rI) → m THRU m+59; 60 WORDS → rI, FORWARD  
**†4nm** (rI) → m THRU m+59; 60 WORDS → rI, BACKWARD  
**†5nm** m THRU m+59 TO TAPE, 100 PULSES/INCH  
**†6nm\*** REWIND TAPE  
**†7nm** m THRU m+59 TO TAPE, 20 PULSES/INCH  
**†8nm\*** REWIND TAPE; SET INTERLOCK  
**10m** TYPE ONE WORD INTO m  
**30m** (rI) → m THRU m+59  
**40m** (rI) → m THRU m+59  
**50m** PRINT ONE WORD FROM m  
**90m\*** STOP UNIVAC  
**,m\*** BREAKPOINT STOP  
**Qnm** CONDITIONAL TRANSFER BREAKPOINT STOP  
**Tnm** CONDITIONAL TRANSFER BREAKPOINT STOP  
**\*** IGNORE m  
**†** n = UNISERVO INDEX NO. (1, 2, . . . 9, -)

## PULSE CODE

EX 3	ZONE			
	00	01	10	11
0000	∕	∕	∕	∕
0001	△	,		∅
0010	—	.		
0011	)	:	?	
	0	;	/	
0100	1/2	A	J	@
	1			+
0101	"	B	K	S
	2			
0110	#	C	L	T
	3			
0111	\$	D	M	U
	4			
1000	%	E	N	V
	5			
1001	*	F	O	W
	6			
1010	∅	G	P	X
	7			
1011	'	H	Q	Y
	8			
1100	(	I	R	Z
	9			
1101			∕	∅
1110				
1111			∕	

∕ = PRINTER IGNORE  
 △ = PRINTER SPACE  
 ∕ = CARRIAGE RETURN  
 ∕ = TABULATOR  
 ∕ = SHIFT LOCK  
 ∕ = UNSHIFT  
 ∅ = ONE CHARACTER SHIFT  
 ∕ = PRINTER STOP  
 ∕ = PRINTER BREAKPOINT STOP  
 BLANK SQUARES NOT USED