General Programming Instructions

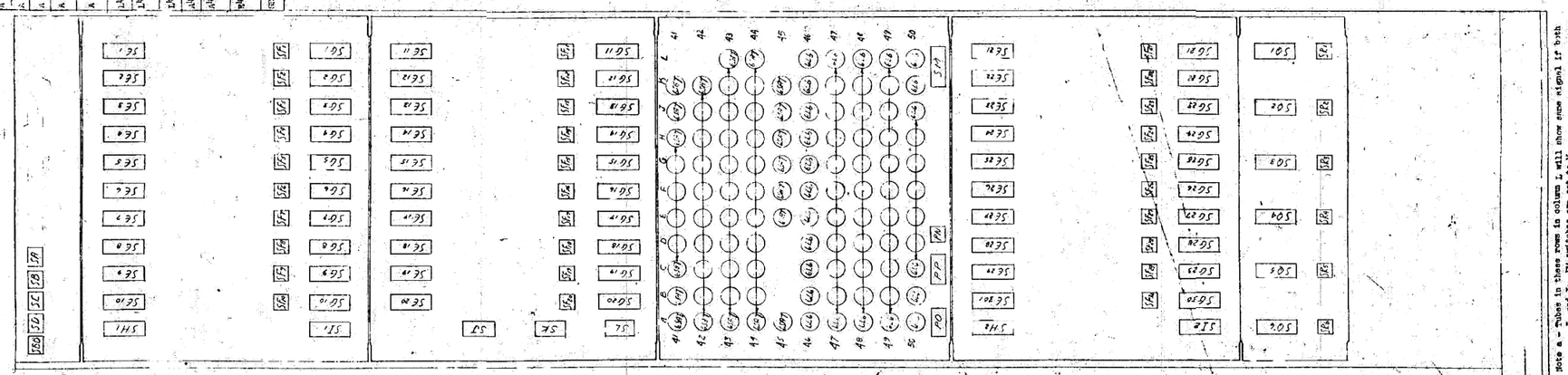
Set up continuous series of pulses coupling every other addition time, by feeding program output of any convenient unused transmitter to an accumulator operation and thence to J_P and thence into input of first. Set repeat switch to start pulse to start sequence.

Switch should be set to J_P and switches 26 to 30 incl. should be set to any position except 2 should all be set to 9 for both initial entry to P_1 and variations for these settings for particular tests are indicated.

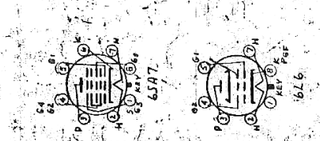
Total sequence of pulses obtained as above is 20 pulses long for constant transmitter.

With inputs to constant transmitter, by feeding program output of any convenient unused transmitter to an accumulator operation and thence into input of first. Set repeat switch to start pulse to start sequence.

Cubes	Min	Sweep	Amplitude	Time	Duration	Full	Remarks
A to X_1, Y_1 to 1H3	3	0	-20	—	—	—	9 pulses
	5	0.1	+40	—	—	1-3	
	8	0	+50	—	—	—	
F to 1H1	4	0	+50	—	—	—	1 pulse
A to 1H2	4	0	+50	—	—	—	2 pulses
A to 1H3	6	0	+10	—	—	—	2½ pulses
A to 1H4	8	0	+10	—	—	—	4 pulses
A to 1H7	3	0	-20	—	—	—	
A to 1H9	5	0	+55	—	—	—	9 pulses . Note a
1H9	8	0	+125	—	—	—	
1H8, F to 2H5	8	0	+40	—	—	1-3	Note b
	5	0.1	+40	0-3	—	—	
	5	0.1	+40	0-3	—	1-3	Notes b, c
	5	0	-20	—	—	—	9 pulses; notes b,c
1H5, 1H6, F to 1H5	8	0	+50	—	—	—	9 pulses
2H5, 2H5	8	0	+50	—	—	—	1½ pulse
2H5	3	0	-20	—	—	—	9 and 1½ pulses; notes b,d
	5	0.1	+40	0-3	—	1-3	Note b
2H5	3	0	-20	—	—	—	9 and 1½ pulses; notes b,d
	5	0.1	+40	0-3	—	1-3	Notes b, d
1H1 to 30	7	0-20	+25	—	—	—	CTP from cycling unit



Note a - Pulses in these rows in column 1 will show some signal if both J_1 and J_2 TM switches are set to H.
Note b - Set J_1 and J_2 TM switches to H.
Note c - See program switch #25 to J_1.
Note d - See program switch #25 to J_2.



MOORE SCHOOL OF ELECTRICAL ENGINEERING UNIVERSITY OF PENNSYLVANIA			
CONSTANT TRANSMITTER TESTING CHART - PANEL I - DYNAMIC			
MATERIAL /	FINISH /		SCALE 1/4 FULL SCALE
Drawn by: JLP Jan 20, 1945	Checked by: C.L.S. 8-24-45	Authorized by:	PX-11-122