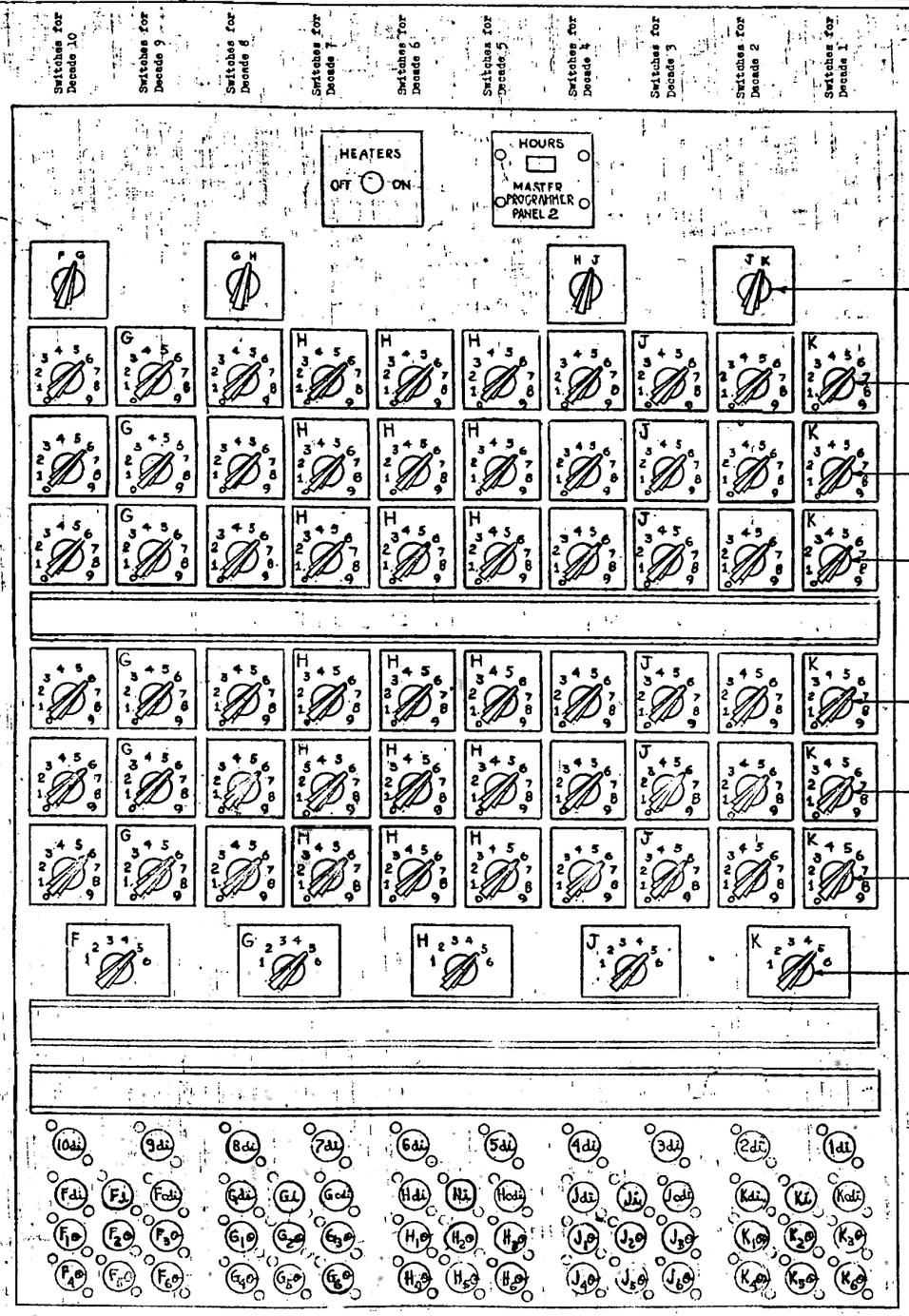

TERMINALS 1di, 2di, ...,20di - Decade direct input terminals associated respectively with decades 1, 2,....,20. (counted from right to left)

Pulses supplied to these terminals will be counted by the decades. These pulses may be either program or digit pulses, though any pulse which steps the decades to the number set up on the decade switches corresponding to position of the stepper must be a program pulse, and any pulse which causes a carry-over must be a program pulse.

No program pulse should be supplied to the decade direct input of the units decade of a stepper one addition time following the reception of a program pulse on the program pulse input terminal of that stepper.

Pulses can be fed into the direct input terminals of decades other than the units decade only at times when there are no carry-over pulses from previous decades of the set.

To disassociate a decade from its stepper pull out gate tube 63 in the stepper plug-in unit - See Block Diagram PX-8-304.

Decade Associator Switches

Decades provided with these switches may be connected to the decades associated with either of two steppers. Thus if the J-K switch is set to K, decade 2 is connected in series with decade 1, while if it is set to J decade 2 is made the units decade associated with stepper J, and decade 3 (formerly the units decade associated with that stepper) becomes the tens decade of that stepper, i.e., is put in series with decade 2.

Decade switches associated with the 1st stages of the steppers.

Decade switches associated with the 2nd stages of the steppers.

Decade switches associated with the 3rd stages of the steppers.

Decade switches associated with the 4th stages of the steppers.

Decade switches associated with the 5th stages of the steppers.

Decade switches associated with the 6th stages of the steppers.

Stepper clear switch

This switch determines the number of stages of the stepper and associated decade switches which are used. After the stepper gets to the stage set on its clear switch and counts to the number set on the corresponding decade switches it clears to its first position instead of stepping to the next position.

Terminals Adi,....,Kdi - Stepper direct input terminals.

Pulses supplied to one of these terminals will be counted by the stepper. These pulses may be either program pulses or digit pulses. If digit pulses are used the stepper clear switch must be set to 6.

The stepper will count modulo c, where c is the setting of the stepper clear switch.

A program pulse is emitted from one of the stepper program pulse output terminals one addition time after a program pulse is received on the stepper program pulse input terminal. This pulse is emitted from the terminal corresponding to the state of the stepper at the time it is emitted. The stepper may be stepped or cleared at the same time without effecting that pulse.

No pulse should be supplied to this terminal at the same time as a stepping action is caused by the decades.

MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

MASTER PROGRAMMER FRONT PANEL NO. 2

MATERIAL	FINISH	
Drawn by: J.E. BLACK DEC. 1944	Checked by	Approved by

PX-8-303