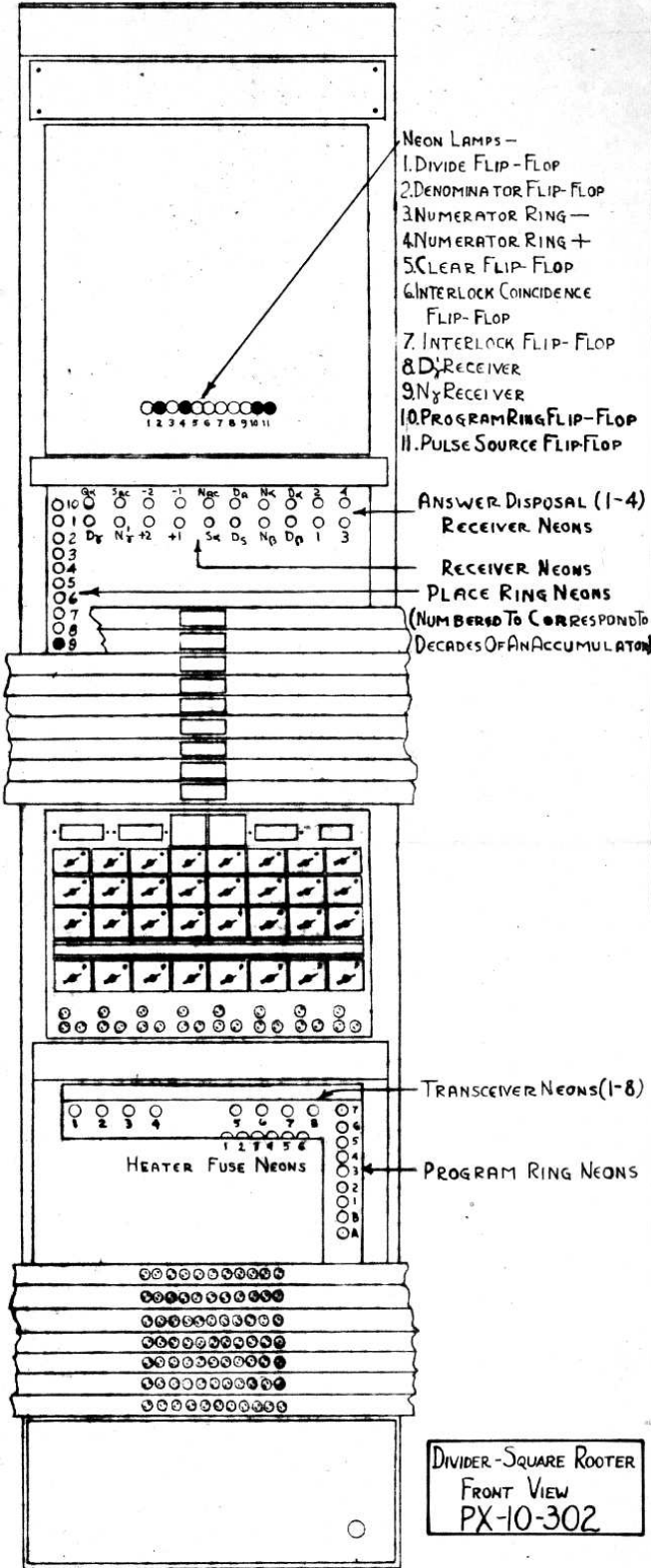


### NEONS ON DURING DIVISION

ADD. TIME	PROG. RING	PLACE RING	RECEIVER	D N <sup>+</sup> N <sup>-</sup>				D <sub>g</sub> N <sub>g</sub>					
				1	2	3	4	5	6	7	8	9	10
I-1	A	9		① ON		ON						ON	ON
2	B	9		ON	②	③						ON	ON
3	1	9		"	"	"						ON	ON
II-1	A	i*	D <sub>A</sub> OR D <sub>S</sub>	"	"	③						ON	ON
2	A	i	-1 OR +1, Q <sub>g</sub>	"	"	"							ON
S	1	A	CYCLES N <sub>A</sub> C, S <sub>A</sub>	"	"	"						ON	ON
	2	A	i-1 S <sub>A</sub> C, N <sub>g</sub>	"	"	CYCLES						ON	ON
III-1	A	10-p	N <sub>A</sub> C, S <sub>A</sub>	"	"	③						ON	
2	B	"	S <sub>A</sub> C, N <sub>g</sub>	"	"	CYCLES							
3	1	"	D <sub>S</sub> OR D <sub>A</sub>	"	"	③						ON	
4	2	"	D <sub>S</sub> OR D <sub>A</sub>	"	"	"						ON	
5	3	"	D <sub>S</sub> OR D <sub>A</sub>	"	"	"						ON	
6	4	"	D <sub>S</sub> OR D <sub>A</sub>	"	"	"						ON	
7	5	"	D <sub>S</sub> OR D <sub>A</sub>	"	"	"						ON	
8	6	"	"	"	"	"							
9	7	"	(+1 OR -1, Q <sub>g</sub> )**	"	"	"							
IV-1	7	"		"	"	"			⑤	④			⑤
2	7	"		"	"	"			⑥	"	"		"
TRANS-CEIVER OFF	A	9	1, 2, OR NEITHER	ON	ON	ON						ON	ON

### NEONS ON DURING SQUARE ROOTING

ADD. TIME	PROG. RING	PLACE RING	RECEIVER	D N <sup>+</sup> N <sup>-</sup>				D <sub>g</sub> N <sub>g</sub>					
				1	2	3	4	5	6	7	8	9	10
I-1	A	9		① ON		ON						ON	ON
2	B	9		"		ON						ON	ON
3	1	9		"		ON						ON	ON
4	A	9	D <sub>g</sub> +1	"		ON						ON	
II-1	A	i*	D <sub>S</sub> OR D <sub>A</sub>	"		③						ON	ON
2	A	i	+2 OR -2, D <sub>g</sub>	"		"							ON
S	1	A	CYCLES -1 OR +1, S <sub>A</sub> C, N <sub>A</sub> C	"		"						ON	ON
	2	A	i-1 -1 OR +1, N <sub>g</sub> , S <sub>A</sub> C	"		CYCLES						ON	ON
III-1	A	10-p	-1 OR +1, S <sub>A</sub> C, N <sub>A</sub> C	"		③						ON	
2	B	"	N <sub>g</sub> , S <sub>A</sub> C	"		CYCLES							
3	1	"	D <sub>A</sub> OR D <sub>S</sub>	"		③						ON	
4	2	"	D <sub>A</sub> OR D <sub>S</sub>	"		"						ON	
5	3	"	D <sub>A</sub> OR D <sub>S</sub>	"		"						ON	
6	4	"	D <sub>A</sub> OR D <sub>S</sub>	"		"						ON	
7	5	"	D <sub>A</sub> OR D <sub>S</sub>	"		"						ON	
8	6	"	"	"		"							
9	7	"	(-2 OR +2, D <sub>g</sub> )**	"		"							
IV-1	7	"		"		"			⑤	④			⑤
2	7	"		"		"			⑥	"	"		"
TRANS-CEIVER OFF	A	9	3, 4, OR NEITHER	ON		ON						ON	ON



FOOT NOTES -

- ① - ON IF PREVIOUS PROGRAM WAS A DIVISION.
- ② - ON IF DENOMINATOR IS POSITIVE WHEN RECEIVED IN DENOMINATOR ACCUMULATOR.
- ③ - IF, BEFORE DENOMINATOR IS ADDED TO OR SUBTRACTED FROM NUMERATOR, THE NUMERATOR IS POSITIVE, NEON \*4 IS ON; OTHERWISE NEON \*3 IS ON.
- ④ - GOES ON WHEN INTERLOCK PULSE IS RECEIVED.
- ⑤ - GO ON ONE ADDITION TIME AFTER III-9
- ⑥ - GOES ON: a- IN NI CASE, TWO ADDITION TIMES AFTER III-9. b- IN I CASE, IN WHICHEVER OCCURS LATER: TWO ADDITION TIMES AFTER III-9 OR ONE ADDITION TIME AFTER NEON 7.

\*\* ONLY IF NO OVERDRAFT RESULTS.  
 \*  $9 \geq i \geq 10-p$  WHERE  $p$  IS THE SETTING OF THE PLACES SWITCH.