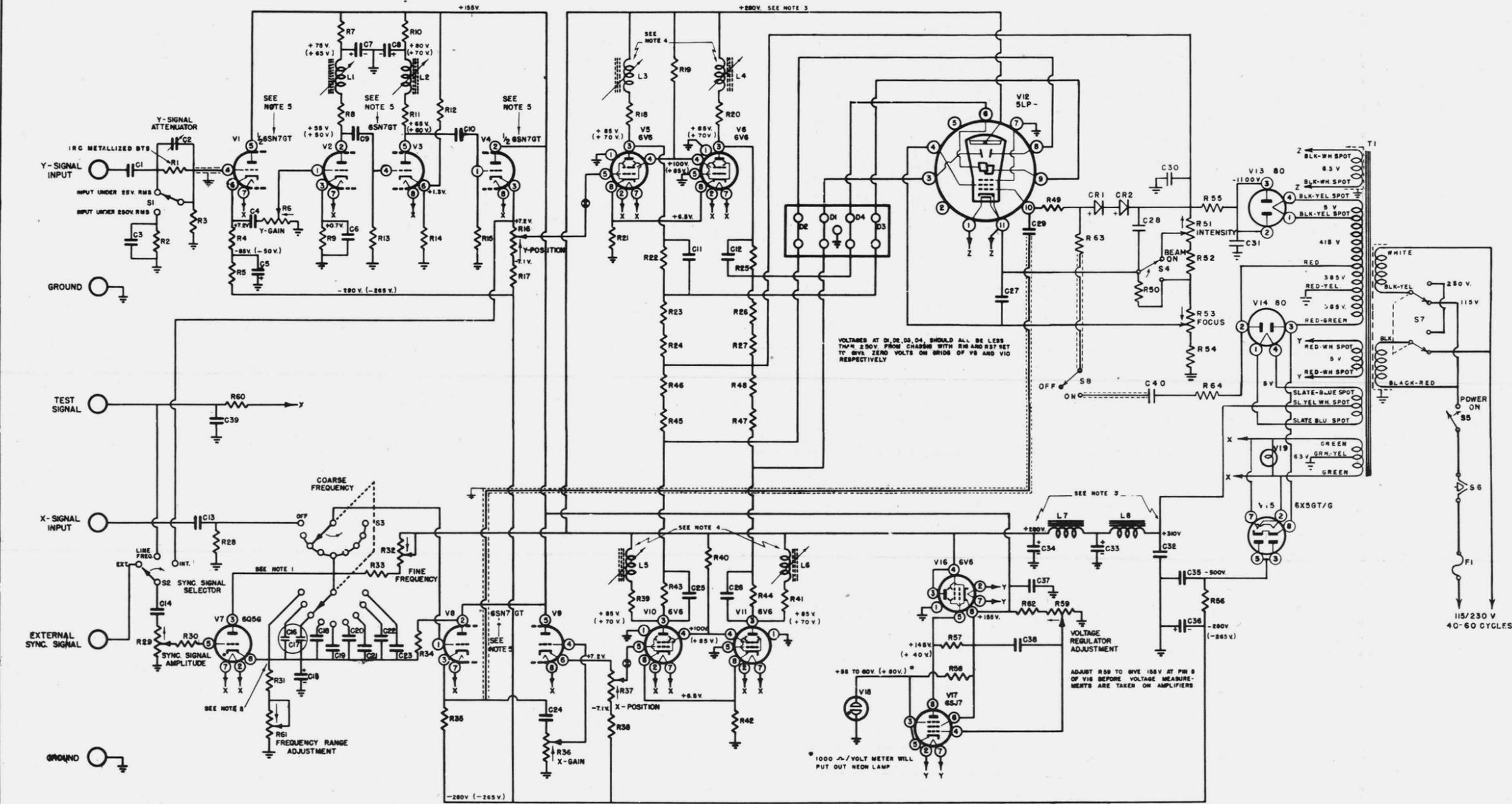


ES-882824



COMPONENT PARTS LIST

C1	0.5µf	600V	R46	4.7meg	1W
C2	4-30µf	trimmer	R47	4.7meg	1W
C3	200µf	500V	R48	4.7meg	1W
C4	5µf	200V	R49	510K	1W
C5	24µf	350V elec	R50	1meg	1/2W
C6	5100	500V	R51	100K	pot
C7	30µf	150V elec	R52	220K	1W
C8	30µf	150V elec	R53	500K	pot
C7 and C8	common neg		R54	1meg	1W
C9	1µf	200V	R55	56K	1W
C10	1µf	200V	R56	47K	2W
C11	0.25µf	400V	R57	470K	1W
C12	0.25µf	400V	R58	56K	1W
C13	0.25µf	400V	R59	500K	pot
C14	0.1µf	1000V	R60	10K	1/2W
C15	25µf	50V elec	R61	1K	pot
C16	1µf	400V	R62	470K	1W
C17	0.2µf	400V	R63	1.2meg	1W
C16-C17	common con		R64		
C18	0.04µf	400V	S1	S.P. DT	toggle
C19	0.01µf	400V	S2	S.P. 3T	60° rotary
C20	2400µf	800V	S3	D.P. 9T	80° rotary
C21	620µf	500V	S4	S.P. DT	toggle
C22	120µf	500V	S5	S.P. ST	toggle
C23	68µf	500V	S6	S.P. S.T.	Push
C24	9µf	200V	S7	D.P. DT	Slide Switch
C25	0.25µf	400V	S8	S.P. DT	Toggle
C26	0.25µf	400V	T1	Power Transformer	Part No 20-92
C27	0.1µf	1000V	CR1	1N34	Crystal
C28	0.1µf	1000V	CR2	1N34	Crystal
C29	50µf	200V	V1-V4	Type 6SN7GT	
C30	0.5µf	1000V	V2-V3	Type 6SN7GT	
C31	0.5µf	1000V	V5	Type 6V6	
C32	1µf	1000V	V6	Type 6V6	
C33	16µf	450V elec	V7	Type 6Q5G	
C34	40µf	450V elec	V8-V9	Type 6SN7GT	
C35	1µf	1000V	V10	Type 6V6	
C36	16µf	450V elec	V11	Type 6V6	
C37	1µf	200V	V12	Type 5LP-A	
C38	1µf	200V	V13	Type 80	
C39	0.1µf	1000V	V14	Type 80	
C40	0.1µf	1600V	V15	Type 6X5GT/G	
			V16	Type 6V6	
			V17	Type 6SJ7	
			V18	Type 991	1/4 W. Neon
			V19	Pilot Light No 44	6.3V. Bayonet Base
F1	1.5 amp.	fuse			
L1	1-3 mh	±5%			
L2	1-3 mh	±5%			
L3	7.5-19mh				
L4	7.5-19mh				
L5	7.5-19mh				
L6	7.5-19mh				
L7	8h	325 ohms dc			
L8	8h	325 ohms dc			
R1	2meg	1/2W ±5% MET.			
R2	240K	1/2W ±5%			
R3	2.2meg	1/2W ±5%			
R4	100K	1W			
R5	270K	1W			
R6	100K	pot			
R7	27K	1W			
R8	8.2K	1W ±5%			
R9	270 ohm	1/2W			
R10	27K	1W			
R11	8.2K	1W ±5%			
R12	5.6K	1W			
R13	1meg	1/2W			
R14	150 ohm	1/2W			
R15	1meg	1/2W			
R16	15K	pot			
R17	300K	1W ±5%			
R18	25K	10W ±5%			
R19	150K	1W			
R20	25K	10W ±5%			
R21	390 ohm	1W			
R22	680K	1W			
R23	4.7meg	1W			
R24	4.7meg	1W			
R25	680K	1W			
R26	4.7meg	1W			
R27	4.7meg	1W			
R28	4.7meg	1W			
R29	100K	1W			
R30	10K	1W			
R31	470 ohm	1/2W			
R32	5meg	pot			
R33	470K	1W			
R34	39K	1W			
R35	270K	1W			
R36	500K	pot			
R37	15K	pot			
R38	300K	1W ±5%			
R39	25K	10W ±5%			
R40	150K	1W			
R41	25K	10W ±5%			
R42	390 ohm	1W			
R43	680K	1W			
R44	680K	1W			
R45	4.7meg	1W			

NOTE 1 - APPROX. 40V. DEPENDS UPON ADJUSTMENT OF R61  
 NOTE 2 - APPROX. 4V. DEPENDS UPON ADJUSTMENT OF R61  
 NOTE 3 - VALUES GIVEN FOR C32-0.5µf. FOR NEWER UNITS WITH C32=1µf, INCREASE FILTER INPUT AND OUTPUT VOLTAGES APPROX. 40V.  
 NOTE 4 - OLDER UNITS HAVE PEAKING COILS AND PLATE LOAD RESISTORS INTERCHANGED.  
 NOTE 5 - OLDER UNITS USE 6F8 TUBES IN PLACE OF 6SN7GT TUBES, WITH SHIELDS AND SOCKET WIRING CHANGES.

⊗ VOLTAGE MEASUREMENTS ON AMPLIFIERS CONSISTING OF V5, V6 AND V10, V11 SHOULD BE MADE WITH R16 AND R37 ADJUSTED TO ZERO VOLTS AT BRIDS OF V5 AND V10.

D-C VOLTAGES SHOWN ARE AS MEASURED WITH AN ELECTRONIC-TYPE VOLTMETER OR ONE WITH RESISTANCE OF 20,000 OHMS/VOLT VALUES IN PARENTHESES GIVEN FOR METER OF 1000 OHMS/VOLT. WHERE VALUE IS DIFFERENT FROM ABOVE.

K = ohms x 1000 - EXAMPLE: 15K = 15,000 ohms.

ES-882824

SCHEMATIC CATHODE-RAY OSCILLOGRAPH

FIRST USED ON TYPE 2551	DATE	CHK
DRAWN BY	DATE	CHK
ALLIED B. DU MONT LABORATORIES INC	DATE	DATE
PASSAIC, N. J. U. S. A.	ES-882824	

ISSUE NUMBER  
 DATE  
 DRAWN BY  
 CHECKED BY