HIGH DEFINITION TELEVISION RECEIVER

NINE INCH MIRROR LID CONSOLE

TYPE RR-359



Peschilletine

Sign Depinition Television Successes

This probably is completed to respice him fellering the winters

13 A TURNING NINE INCH MIRROR LID CONSOLE TO COME and double

considered consumery ensurely consisted to simulteneously receive sacriors spaced does believe as enough, one carrier modulates with and the other stan to type RR 359 menor signals. Tuning is

colished by a cingle know controlling the radio-fractancy and

cillytar piccuita.

o of others is a toronomial on the server of a 24 discount Enterope today for tube) and is approximately \$2410 by \$410 teches, sunt-

castuduced there asymptotic tally proportional to the at the

the brightness coutral to minded for unincateing the brightness

Melityland. There it an extractic value - Page or orale

If the term was and the constitution of the confidence of the

enter the resemble term, we refer accounting a

### DESCRIPTION

This receiver is designed to receive high definition television pictures and high fidelity sound in the ultra-short wave band between 42 and 80 megacycle's.

It is a superheterodyne having a single radio-frequency and double intermediate-frequency channels designed to simultaneously receive two carriers spaced 2250 kilocycles apart, one carrier modulated with sound and the other with the video frequency signals. Tuning is accomplished by a single knob controlling the radio-frequency and oscillator circuits.

The picture is reproduced on the screen of a 9" diameter Kinescope (cathode ray tube) and is approximately 5-1/2 by 7-1/4 inches. Automatic brightness control is provided for maintaining the brightness of the reproduced image approximately proportional to that of the scene televised. There is an automatic volume control on each channel.

The Kinescope is mounted vertically in the cabinet with the screen at the top and the image is viewed through a mirror mounted on the inside of the adjustable cabinet lid. The cabinet is 40-7/8" high, 25-1/8" wide and 15-5/8" deep. The center of the image in the mirror when adjusted for average viewing is approximately 45" above the floor.

This receiver was designed for the BCA Field Test. To date, three samples of this design have been constructed. A group of 100 receivers will be built for the Field Test. No sales literature, instruction books or other data are available.

Number and Type of Radiotrons - -

6 - 606 2 - 606 2 - 42 4 - 646 2 - SY2 2 - 306A 1 - 6F7 2 - 6H6 1 - 305A 1 - 605 1 - 85 1 - 79 1 - 675 1 - 1-7 1 - 878 2 - 523 1 - 879 1 - 0730 Total - 33

Number of AC Power Interlocks - 5

AC Power Rectifiers - -

2 - 523 - Full Wave, +285V Rec. Chassis Tubes 1 - 879 - Half Wave, +1300V Kinescope 1st Anode 1 - 878 - Half Wave, +6000V Kinescope 2nd Anode

#### PHYSICAL SPECIFICATIONS

Height 40-7/8" Width 25-1/8" Depth 15-5/8"

Center of Picture above Floor with Mirror at 45° Angle - 45"

Net Weight 210 lbs. Shipping Weight (Domestic) 283 lbs.

Packing Case Height 44% 29% Depth 20-3/8" Space 15.5 cu. ft.

Electro Dynamic Loudspeaker - Double Voice Coil with 8" Cone

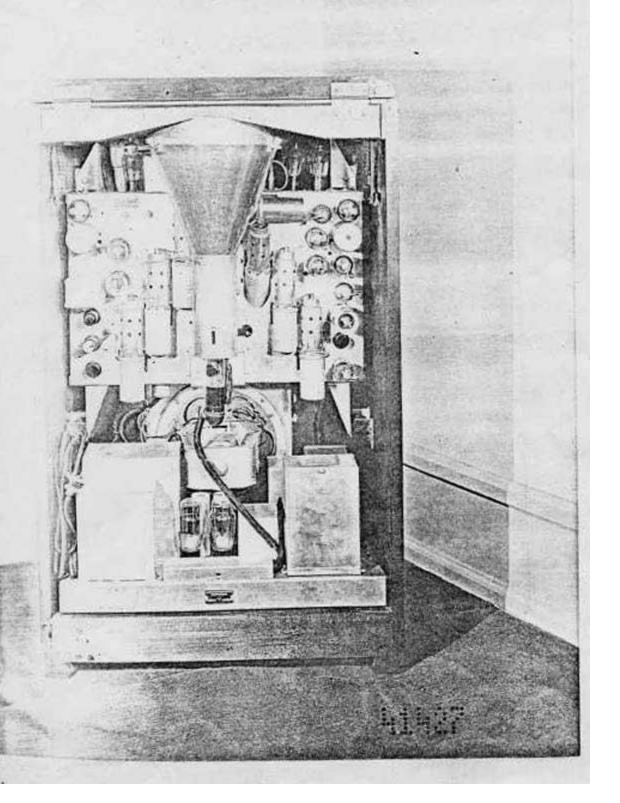
Controls - Normal Operating - Station Selector, Video Contrast, Video Detail, Video Background, Sound Volume, Sound Treble Tone, Sound Bass Tone, and Power Switch. Total - 7.

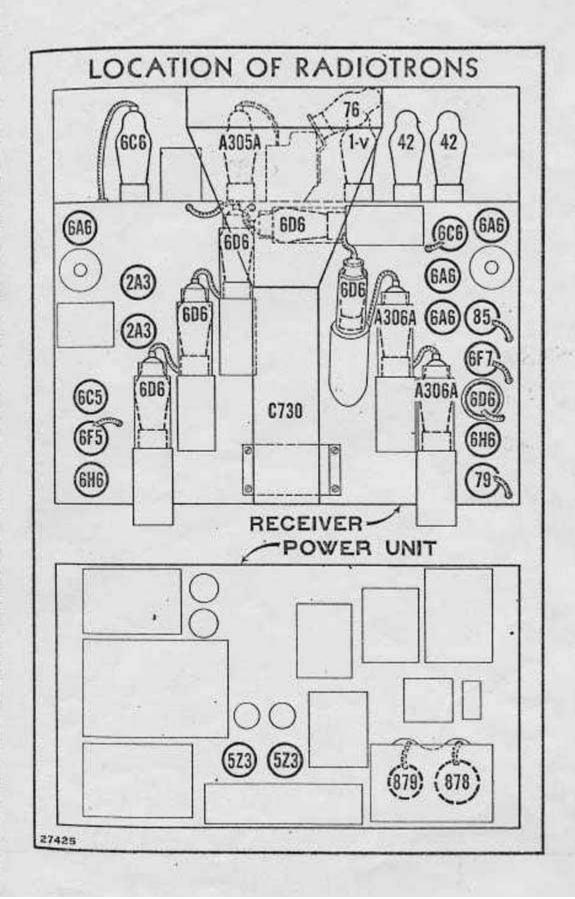
Controls - Auxiliary Operating - Horizontal Speed, Horizontal Centering, Horizontal Size, Focus, Vertical Size, Vertical Centering, Vertical Speed. Total - 7.

Controls -- Screw Driver Adjustment -- Coarse Horizontal Speed, Coarse Vertical Speed, Vertical Peaking, Vertical Distribution. Total - 4.









### SPECIFICATIONS

Tuning Range - 42-80 megacycles

Sensitivity - 1 millivolt

Input Power - 105/125 volts, 60 cycles, 350 watts

Audio Fidelity - 60 to 7000 cycles

Video Fidelity - 60 to 1,500,000 cycles

Frame Frequency - 30 per second

Field Frequency - 60 per second.

Lines per picture - 343

Kinescope Second Anode - 6000 volts

Number of tubes (including Kinescope) - 33

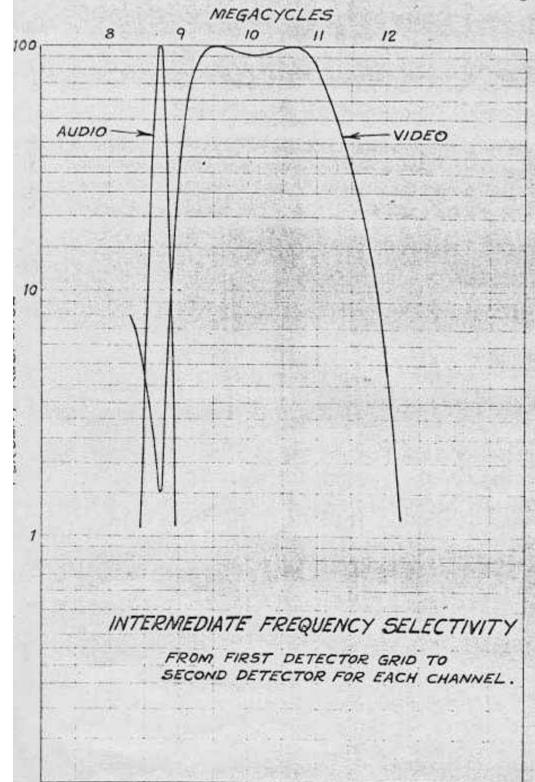
Main Controls
Tuning
Cound Volume
Bass Tone
Treble Tone
Picture Contrast

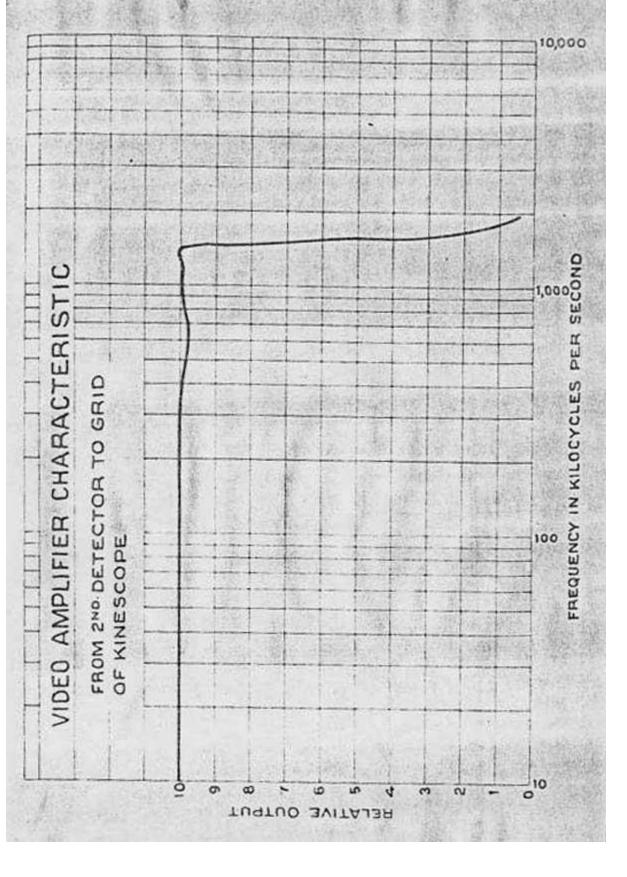
Treble Tone Picture Contrast Picture Detail Picture Brightness Secondary Controls
Horizontal Speed
Horizontal Centering
Horizontal Size
Focus
Vertical Size

Vertical Size Vertical Centering Vertical Speed

INTERMEDIATE FREQUENCY SELECTIVITY

FROM FIRST DETECTOR GRID TO SECOND DETICTOR FOR EACH CHANNEL





PAGE PARTY

PURCEASED PERCE

Descriptions

# DRAWING LIST

Seria. Cont. Corteol.

The master drawing list for this receiver is DL-800896. drawings and drawing lists on the receiver are specified this master list. Cabinet drawings are listed on the rial list (ML) for drawing N-42385.

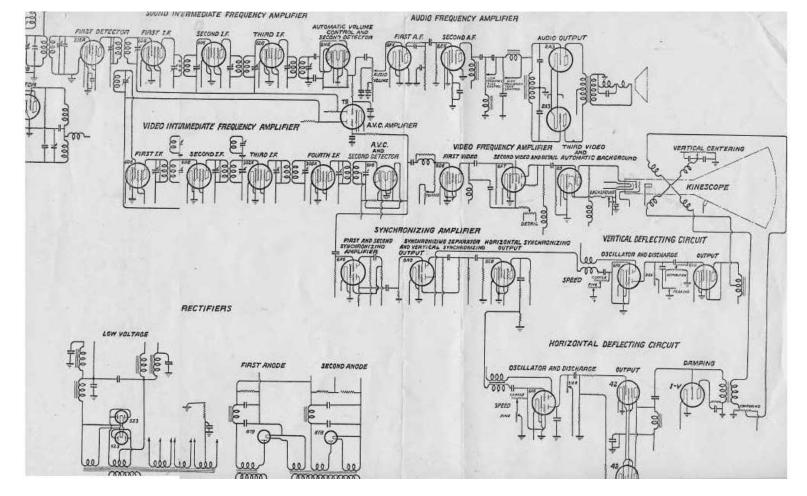
And Freq. Asna Desires Fire Freq. Specification Tologo Femily 1 Jack Wist Was to Yerr, Penking South Carrell" Plug assembly ne patahana Der Lietrelytie -Der dieutsolytie Electrolytie By Mastralysis Cirio Assembly bivideing ding January 1 S1330541 TO Julie 1, C. S. 345 Ign Die Monagon Paris Seroad (I see will drul dependent () on error (r.) Spould 16-501 (4-10-1) (4-10-1) (4-10-1) SEGER

## PURCHASED PARTS

Dwg. No.	Part No.	Description	Unit Quantity
K-75897	-1	Mirror Constant	1
P-78347	=1200 miles	Upper tube shield	TO TOWARD.
T-70384	501	Var. Capac. Assem.	The state of the s
P-76391	26	Horiz, Speed Control	<b></b>
P-76391	28	Horiz. Cent. Control	4
P-76391	27	Horiz. Size Control	± 15.
	30		1
P-76391		Focus Control	I h
P-76391	31	Vert. Size Control	1
P-76391	29	Vert. Cent. Control	
P-76391	22	Vert. Speed Control	1 1
P-76391	24	Background Control	I
P-76391	35	Video Detail Control	2
P-76391	23	Horiz. Coarse Spd. Control	1 1
P-76391	18	Low Freq. Tone Control	1 34
P-76391	19	Low Freq. Tone Control	1
P-76391	17	Volume Control	1
B-76391	25	Vert. Dist. Control	7
P-76391	20	Vert. Peaking Control	î
P-76391	21	Vert. Coarse Speed Control	i
K-79077	1	Plug Assembly	
H-80735	î	Escutcheon	
M-80328	2		
	2	Dry Electrolytic	- Land - 100
M-80328	1	Dry Electrolytic	+
M-80327	2	Electrolytic	1
M-80327	1	Capacitor	1
M-68597	3	Wet Electrolytic	2 1 1 1 1 1 3 1
M-68597	5	Wet Electrolytic	
M-80741	1	Cable Assembly	1
K-78318	. 1	Shield	1 1
K-78316	1	Glass	
K-78319	1	Retaining Ring	1
T-78526	5	Jumper	1
T-76526	6	Jumper	1 1 1
T-76526	7	Jumper, G.E. 346 Ign. Cable	ī
K-78317	1	Ring	î
K-78379	1	Cushion ring	7
K-78378	1	Wask	1
K-78210	7		+
	1	Shield (1 on all Gr.)	÷ .
K-77054	( To a late of the	Capacitor (1 on each Gr.)	+
K-78210	1	Shield (1 on ea. Gr.)	1
K-77054	6	Capacitor (1 on each Gr.)	1
K-79022	1	Spool (G-501)	1
K-79023	1	Spacer (G-501)	1
K-79023	2	Spacer (G-501)	1
K-79024	1	Pin (4-G501; 4-G502)	4
K-79022	2	Spool	1
1-79023	3	Spacer	1
K-79023	4	Spacer	1
1-79030	1	Case	1
K-79072	1 6 1 2 1 2 3 4 1	Screen	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
P-72613	ī	Cable	î
M-80721	î	Cable	î
W-CALLOW		VAULU	

### Purchased Parts - continued

Dwg. No.	Part No.	Description		Unit Quantity
P-72631	OF REAL PROPERTY.	Cable		1
P-72616 M-80718	i	Cable		i
M-80613	1	Lower Tube Shield		1
M-80720 M-80723	1	Cable Cable		i
K-79034	2	Shield	4574	1
P-72626 K-79272	i i	Cable Plug		1 4 3 2 2
P-72629	1	Cable		1
M-80709 M-80709	3	Socket	1 - A	1
E-73170	29	Capacitor (G-501)		1



Courtesy of Darryl Hock