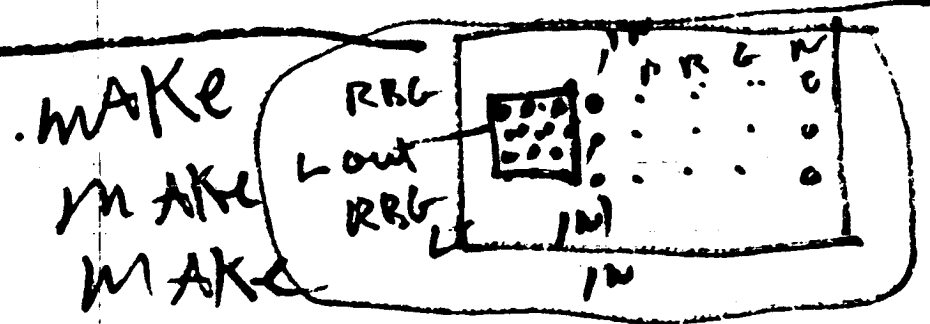


V+H DRIVES OUT
ON 307's



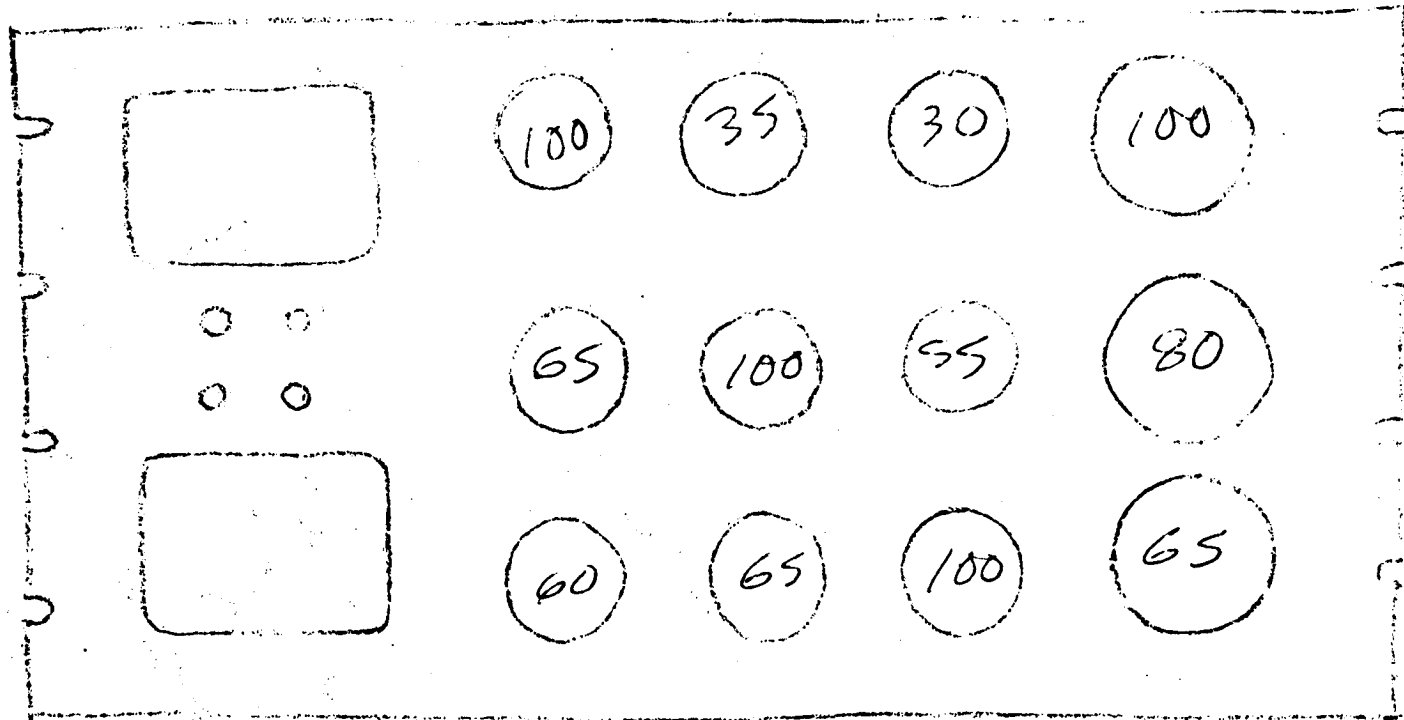
★ MAKE K. VID OUT
GRAHILL Term SW

★ make LUM OUT + 3 MIX-
IN MATRIX



ARCHEMION

★ COLOR PLOT



DESCR.:

DATE:

- NON-SATURATED
- GOOD MIXING TO YELLOW + PURPLE
- MUCH WHITE HIGHLIGHTS



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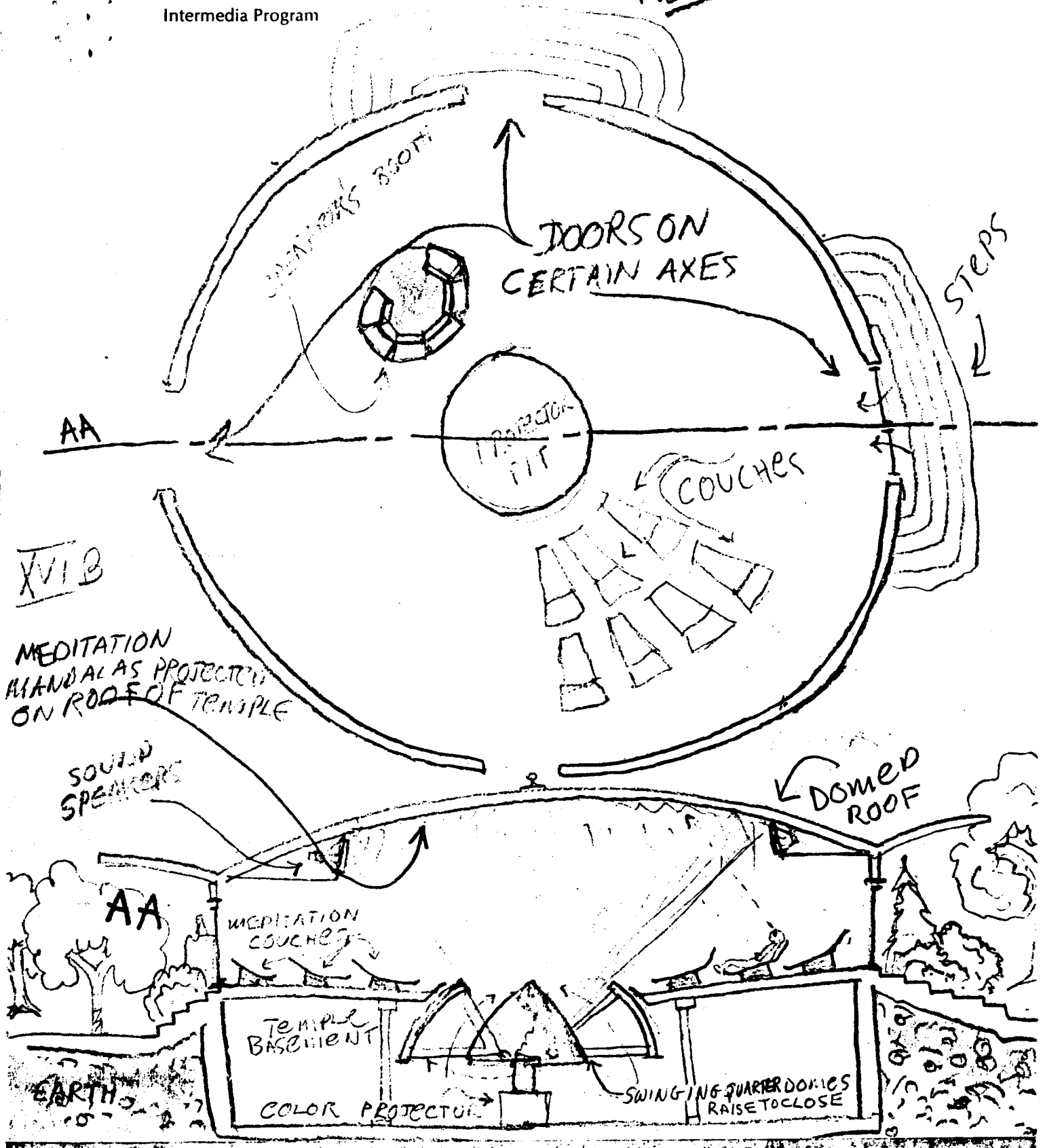
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TEMPLE OF NEW AGE Sept 1968



XVII B

MEDITATION MANDALAS PROJECTED ON ROOF OF TEMPLE

SOUND SPEAKERS

DOMED ROOF

AA

MEDITATION COUCHES

TEMPLE BASEMENT

COLOR PROJECTOR

SWINGING QUARTER DOMES RAISE TO CLOSE

EARTH



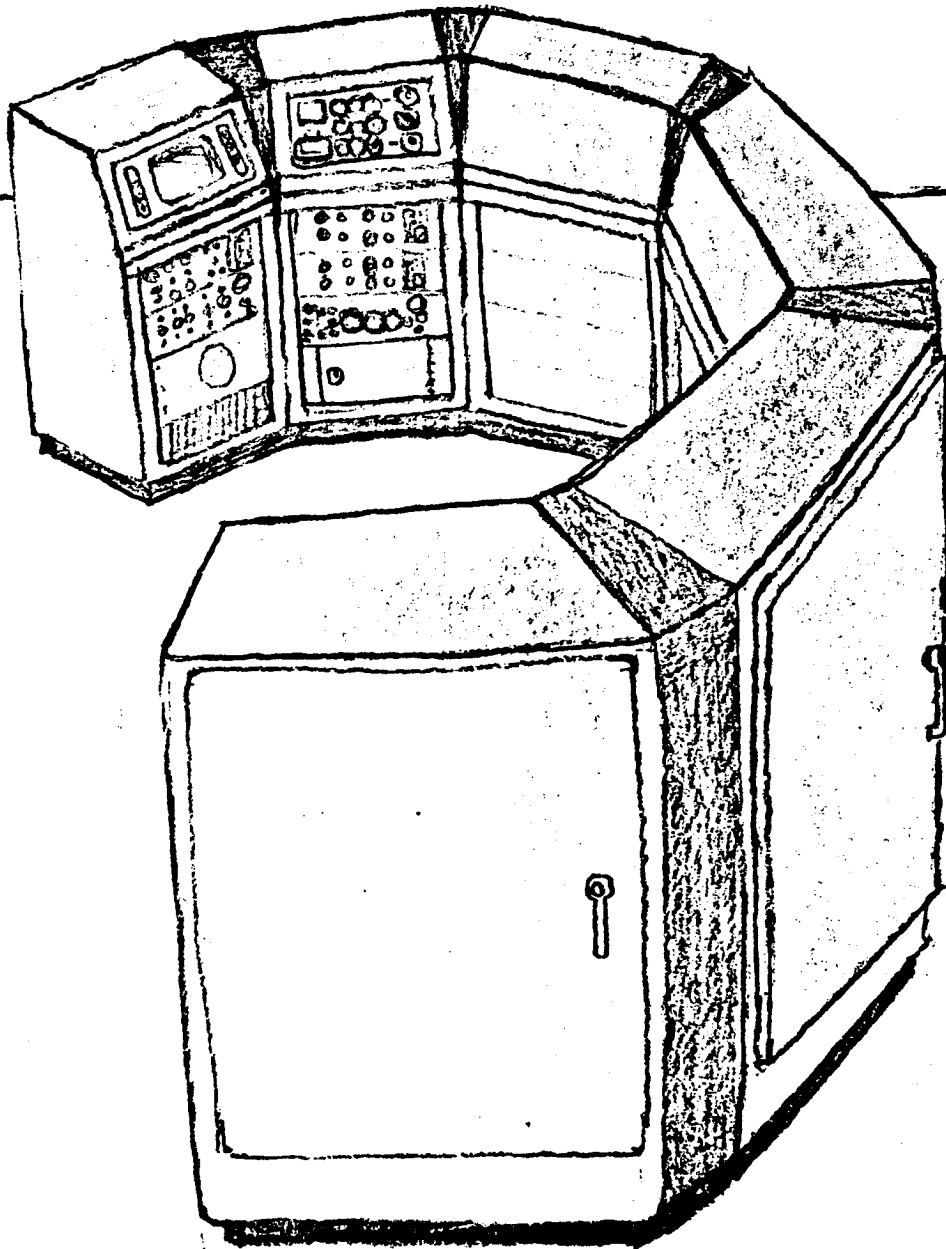
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XVIA



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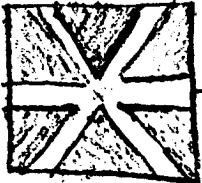
Intermedia Program

EACH KEY CAN BE PLUGGED TO A COLOR
COLORS SHOULD BE POSSIBLE TO BE CHANGED
SHOULD BE POSSIBLE TO BE CHANGED

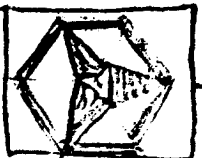
LYRIC

- LYRIC KEYBOARD WILL PLUS IN 1-2-3, MELODY TO 4, 5, 6 +

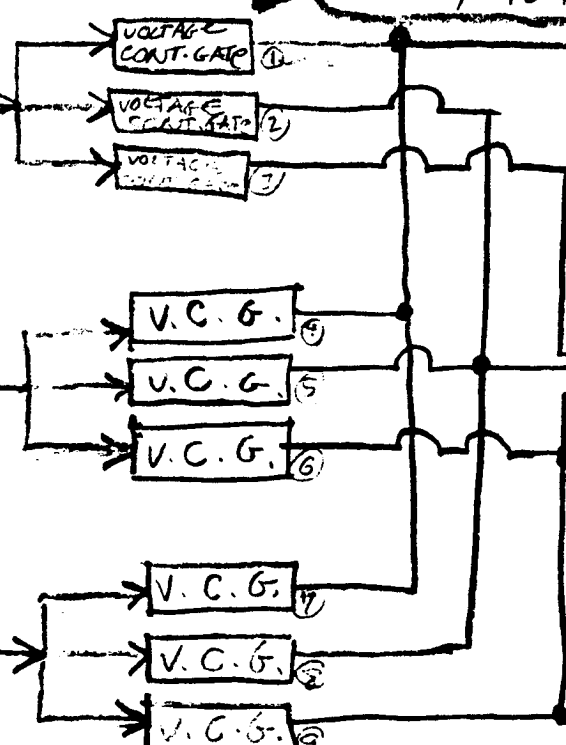
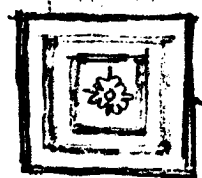
TO ACCOMPANY LYRICS



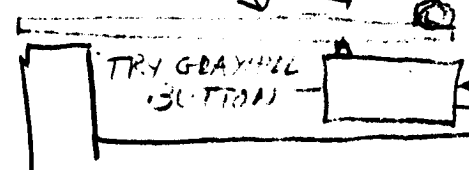
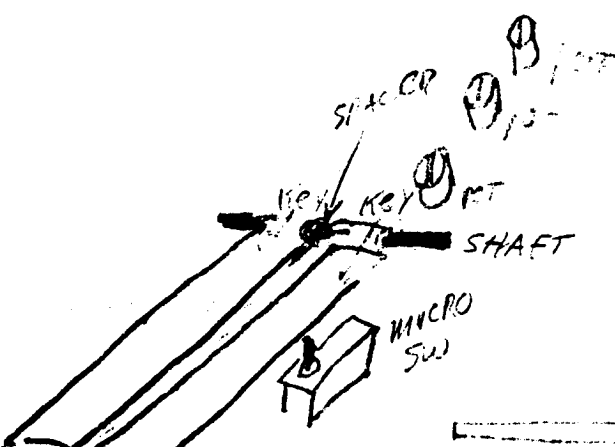
TO ACCOMPANY MELODY



TO ACCOMPANY RHYTHM



LEFT HAND CAN PLAY COLOR, RIGHT CAN PLAY INTENSITY BY HAVING 3-CHANNEL - ONE VOLTAGE CONTROL GATE (LINEAR)



EACH KEY TURNS ON 3 TUNABLE VOLTAGE

XVI A

PRELIMIN. CHECKOUT

2

- WHILE MACHINE WARMS UP SET 3 CHANNEL SELECTORS TO DESIRED CHANNEL
- ~~WHEN MONITORS LIGHT UP ADJUST VERTICAL HOLD ON TUNER "B" (RIGHT CONSOLE) TO STOP JUMPING ON THE THREE MONITORS~~
- ADJUST 3 FINE TUNINGS FOR STRONGEST IMAGES
- ADJUST VERTICAL HOLD ON TUNERS "A" AND "B" TO KEEP IMAGE FROM ROLLING INWARD OR OUTWARD
- ADJUST HORIZONTAL HOLDS ON TUNERS "A", "B", AND "C" TO GET ~~COMPLETE IMAGE~~ STEADY, COMPLETE IMAGE IF NECESSARY
- RE-ADJUST FINE TUNING FOR SHARPEST PICTURE ON EACH OF 3 MONITORS

~~SET COLOR PROBS~~

- TURN TO LARGE DISPLAY MONITOR
SCREEN SHOULD BE SOFTLY GLOWING WITH STEADY LIGHT
- ADJUST HORIZ. HOLD TO REMOVE DIAGONAL LINES (UNLIKELY)
- ADJUST VERTICAL HOLD TO ~~STOP ROLLING~~
STOP ROLLING (UNLIKELY)
- ADJUST BRIGHTNESS TO GET SOFT GLOW ON SCREEN.
- IF NO ACTION AT ALL ON THIS MONITOR CHECK POWER CABLE TO CONSOLE

PRELIMINARY CHECK-OUT

- CHECK SIGNAL CABLE LAYOUT (DIAGRAM)
- CHECK KEY SWITCHES ON BOTH CONSOLES FOR RIGHT HAND ROTATION (ON POSITION)
- CHECK POWER-VOLUME KNOBS ON THREE TUNERS TO SEE THEY ARE IN THE "ON" POSITION (TURN TO RIGHT UNTIL KNOB IS IN FREE ROTATION TO ADJUST VOLUME OF SOUND)
- CHECK TOGGLE SWITCH ON MONITOR ON RIGHT HAND CONSOLE TO BE IN "ON" POSITION
- CHECK ALL BLACK KNOBS TO "REP DOT" POSITION
- TURN THREE LARGE KNOBS ON COLOR PANEL TO "0"
- PRESS RED BUTTON ON POWER PANEL AND MACHINE SHOULD START
- CHECK FOR:
 - GREEN LIGHT ON POWER PANEL
 - RED LIGHT ON RIGHT CONSOLE
 - NEON LIGHTS INSIDE CHANNEL SELECTORS OF THREE TUNERS
 - BLOWER MOTOR IN RIGHT CONSOLE

xviii

~~IF NO ACTION IN EITHER CONSOLE CHECK
 HIGH TENSION ON CONSOLE WITH PICTURES
 AND LARGE DISPLAY MONITOR AND EVEN
 BLOW~~

- IF NO ACTION IN EITHER CONSOLE CHECK POWER CABLES (DIAGRAM)



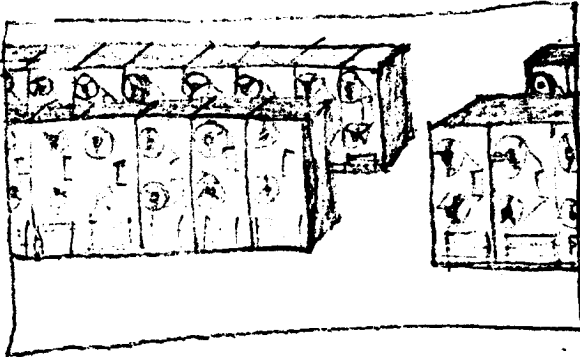
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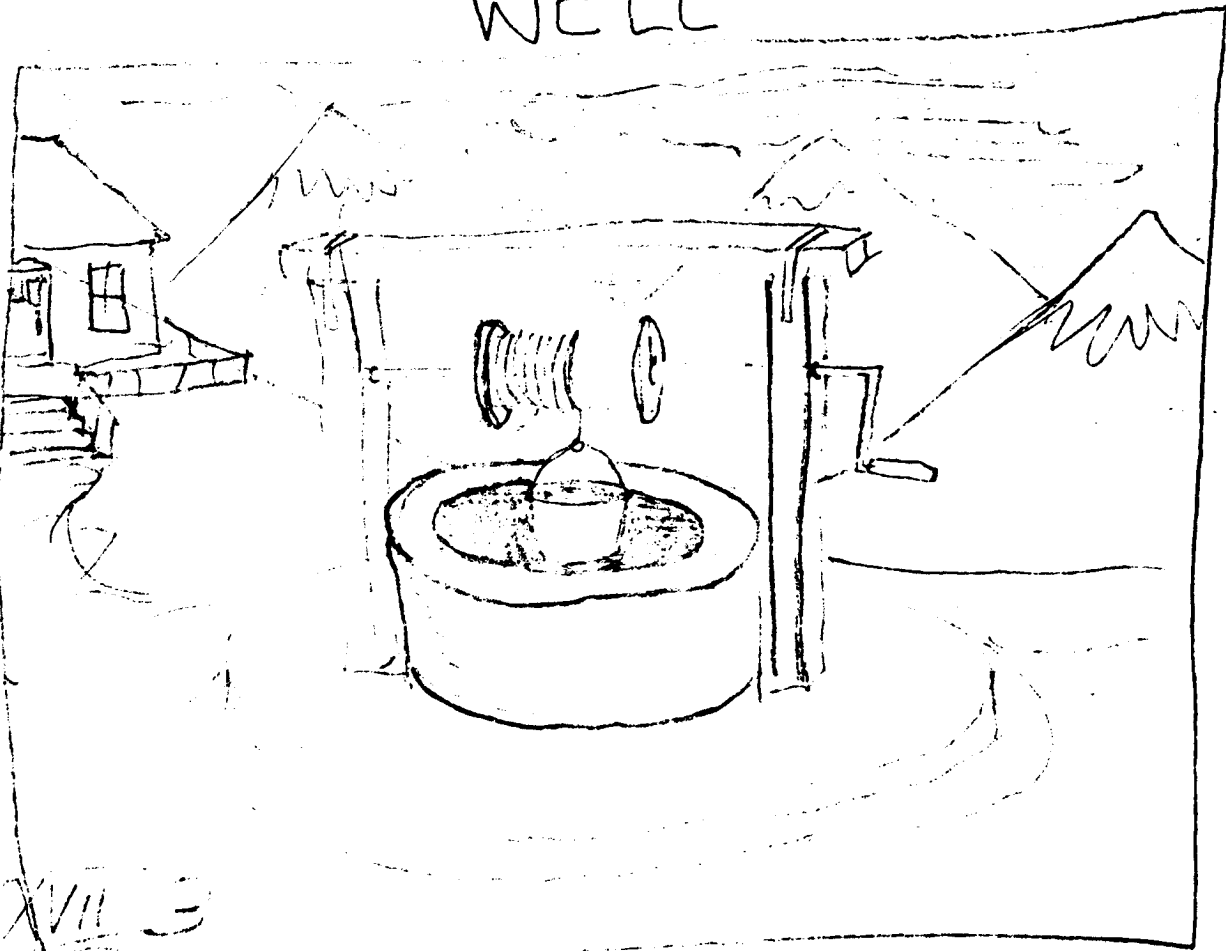
IF YOUR
MEMORY



SERVES YOU



WELL



XVII E

• SET COLOR CONTROLS TO A GOOD BEGINNING PATTERN:

~~TOP~~ TOP ROW: RED 30 BLUE 100 GREEN 30
 MIDDLE ROW: " 100 " 30 " 30
 BOTTOM ROW: " 30 " 30 " 100

• SET LARGE PERCENTAGE CONTROLS TO DESIRED LEVEL OF INTENSITY, KEEPING ALL NEARLY EQUAL

MARKED "I-C"

• SET INTRA-CHANNEL KNOBS (↑ TUNERS "A" AND "C") AND BUTTONS (TUNER "B") TO GET THE MOST PLEASING EFFECT

• MACHINE MAY NOW BE ~~STOPPED AND RESTARTED~~ STOPPED AND RESTARTED WITH ONLY TOUCH-UP ADJUSTMENTS OF THE 3 VERTICAL HOLDS ON THE TUNERS ~~NEEDED~~ NEEDED AT WARM-UP.

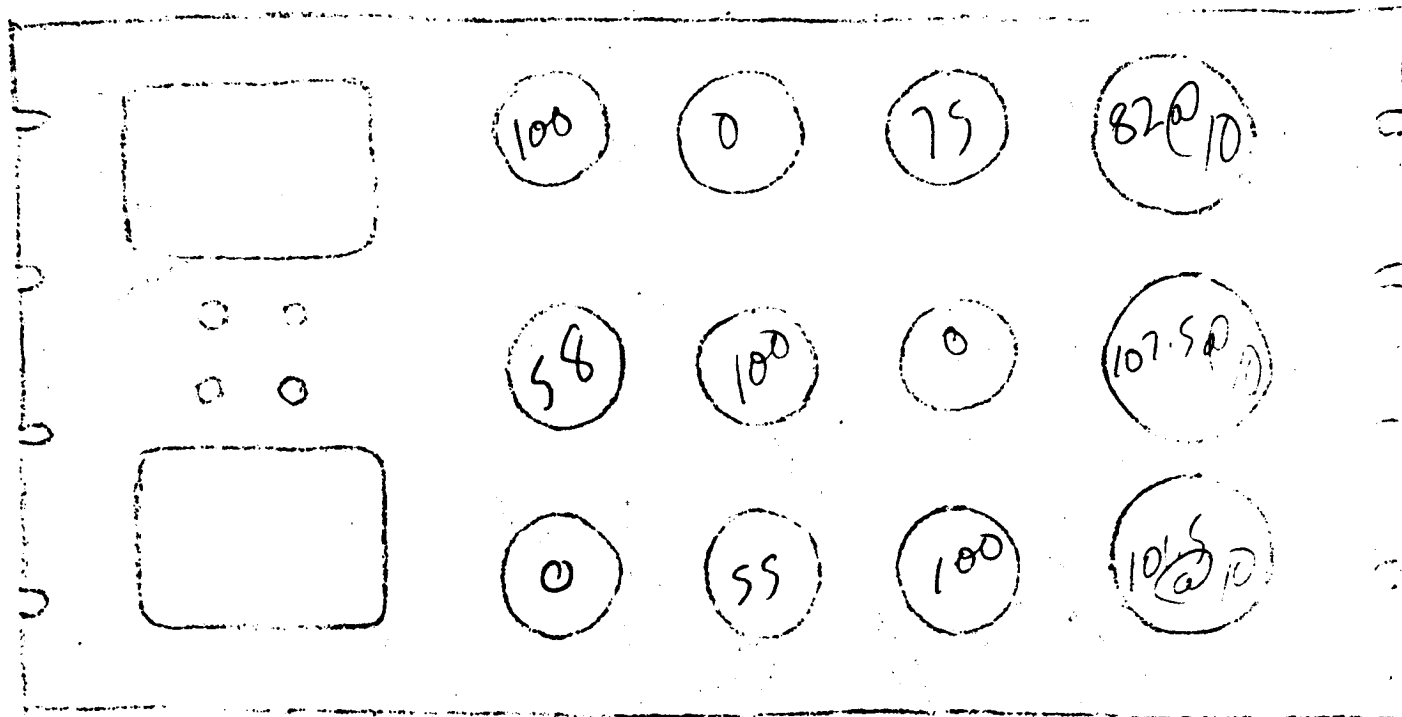
(1) 4

PRELIMINARY CHECK-OUT

TO GET STRAIGHT T.V. ON DISPLAY MONITOR REMOVE CABLE "P" FROM JACK # "P" ON RIGHT CONSOLE AND CONNECT IT TO JACK "PST" ON RIGHT CONSOLE (NEAR TUNER); TURN THE TOP

AND BOTTOM PERCENT KNOBS ON THE COLOR PANEL TO "0" AND TURN THE CENTER ROW COLOR KNOBS ALL TO 100. THE CENTER PERCENT KNOB NOW CONTROLS THE ~~BRIGHTNESS~~ INTENSITY OF THE STRAIGHT IMAGE

★ — COLOR PLOT —



DESCR.:

DATE:

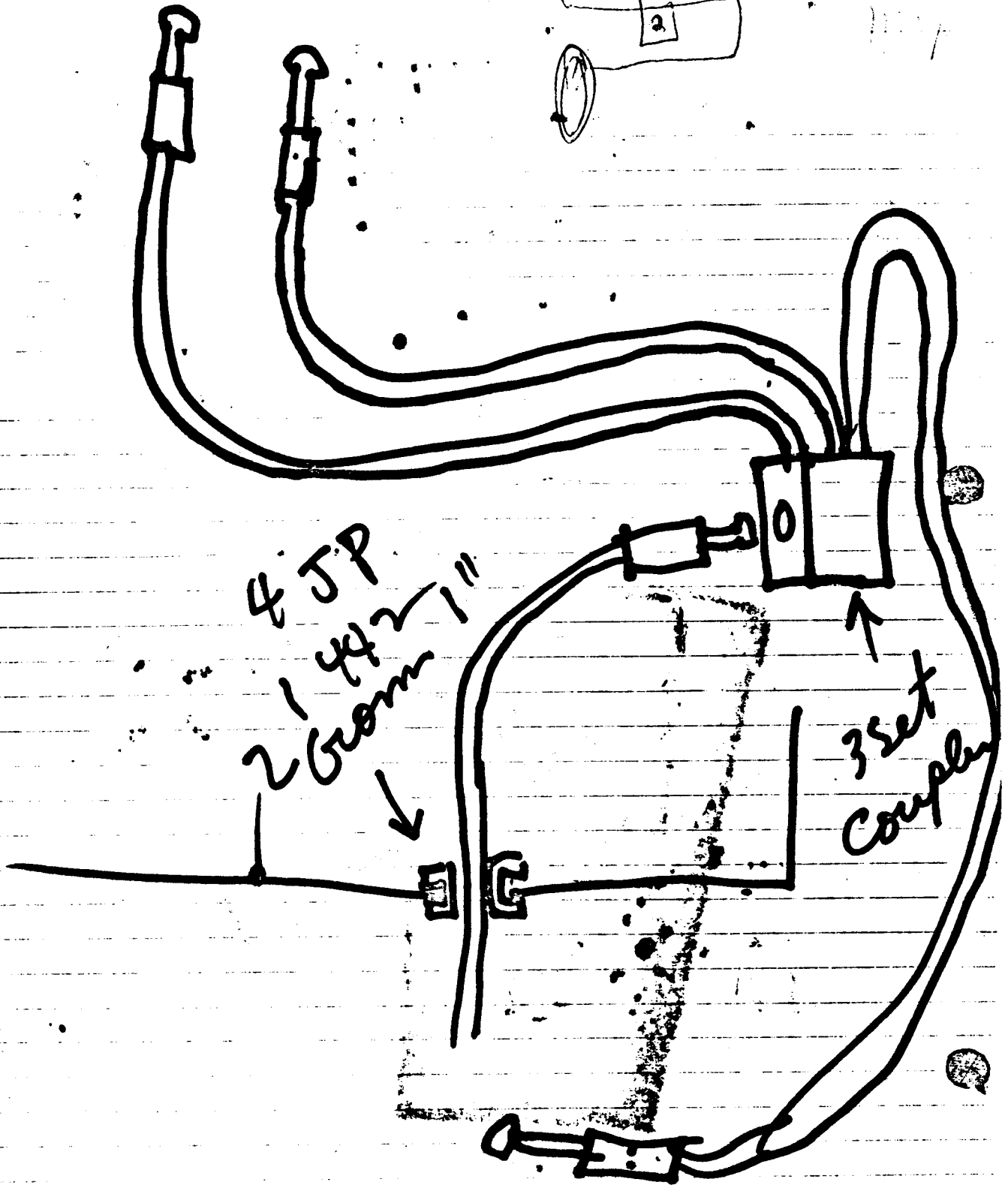
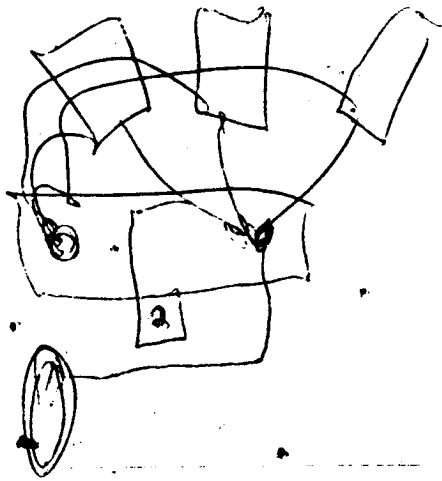
TV. as a Creative medium

May 15, 1960

PH = N - H CH 4
PH = N - U CH 4

PH = R - H CH 4
PH = R - V CH 4

PH = N - H
PH = R - V CH 4

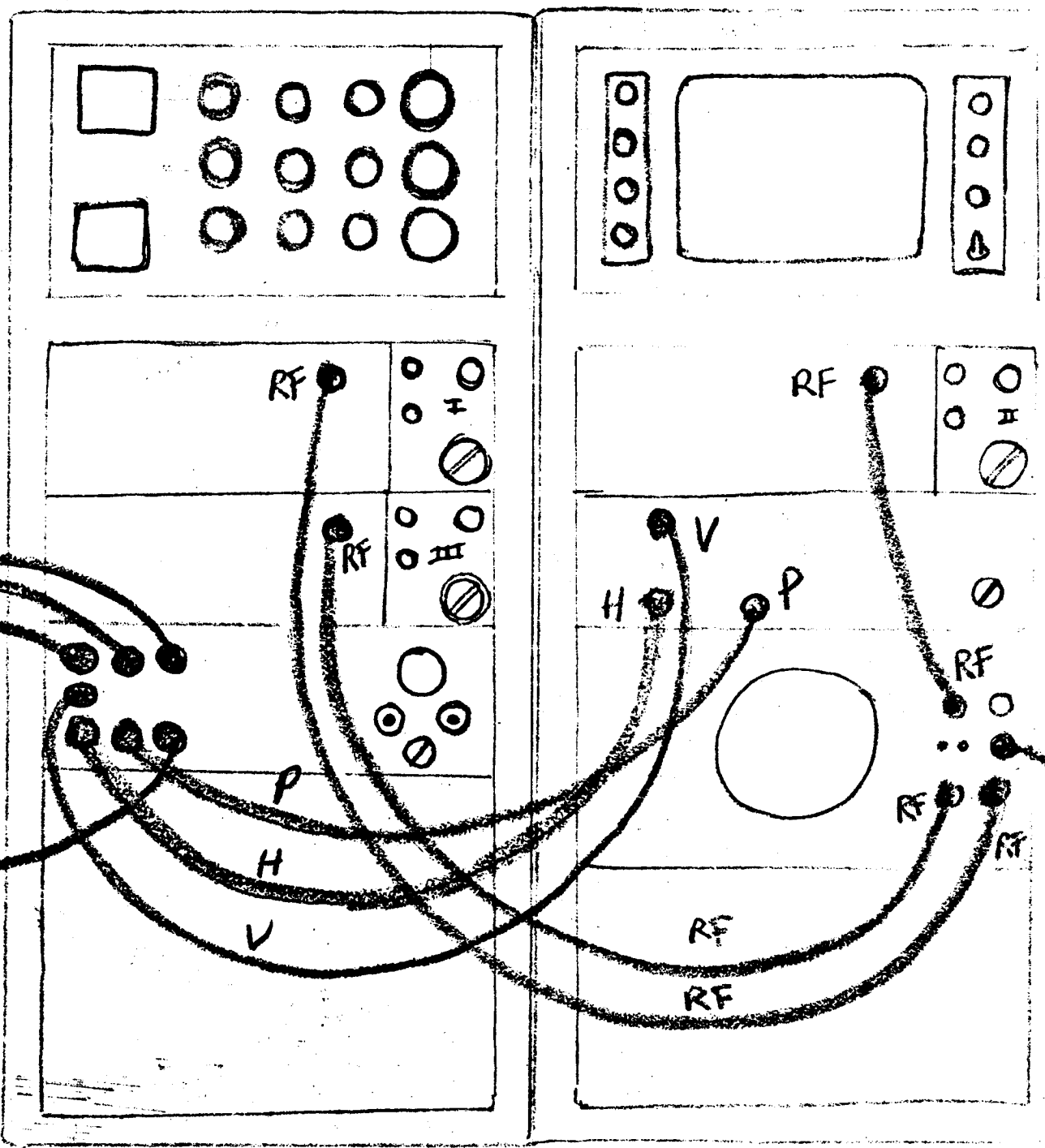


4 JP
2 1 442 2
60mm 1 11

3 set
Coupler

0

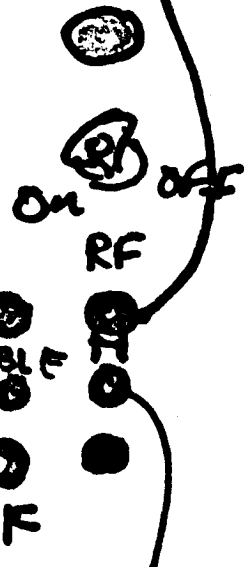
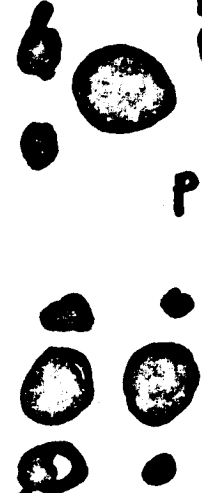
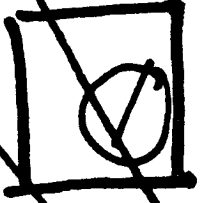
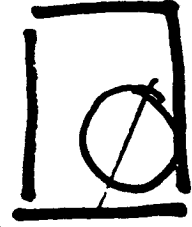
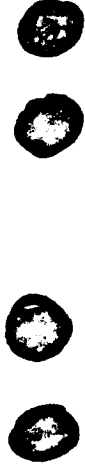
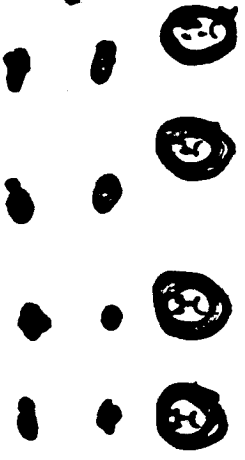
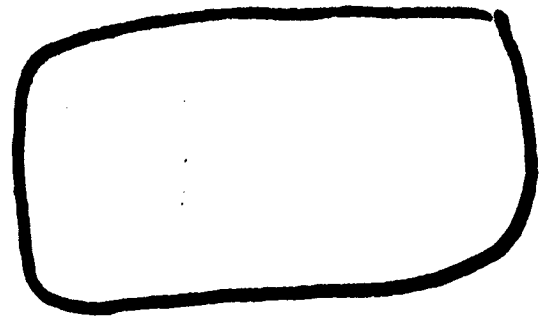
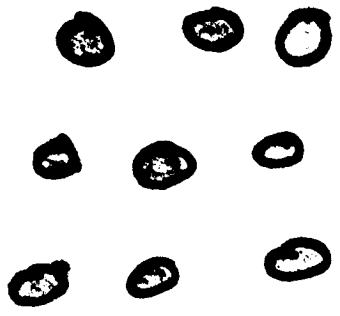
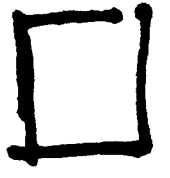
1



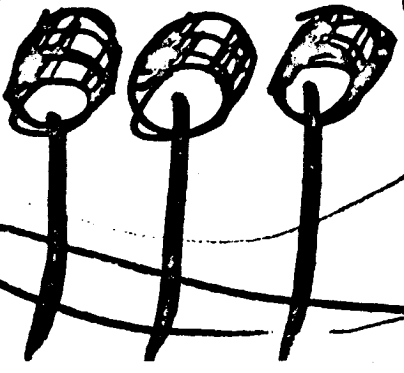
SIGNAL
CABLE
LAYOUT

TO
MONITOR

FROM
CABLE
TV
TO SET



Handwritten text: "ON", "OFF", "ON", "OFF" written vertically.



ON

off/on

ON

RF

P

RF

RF

RF

ON

OFF

P ST.

RF



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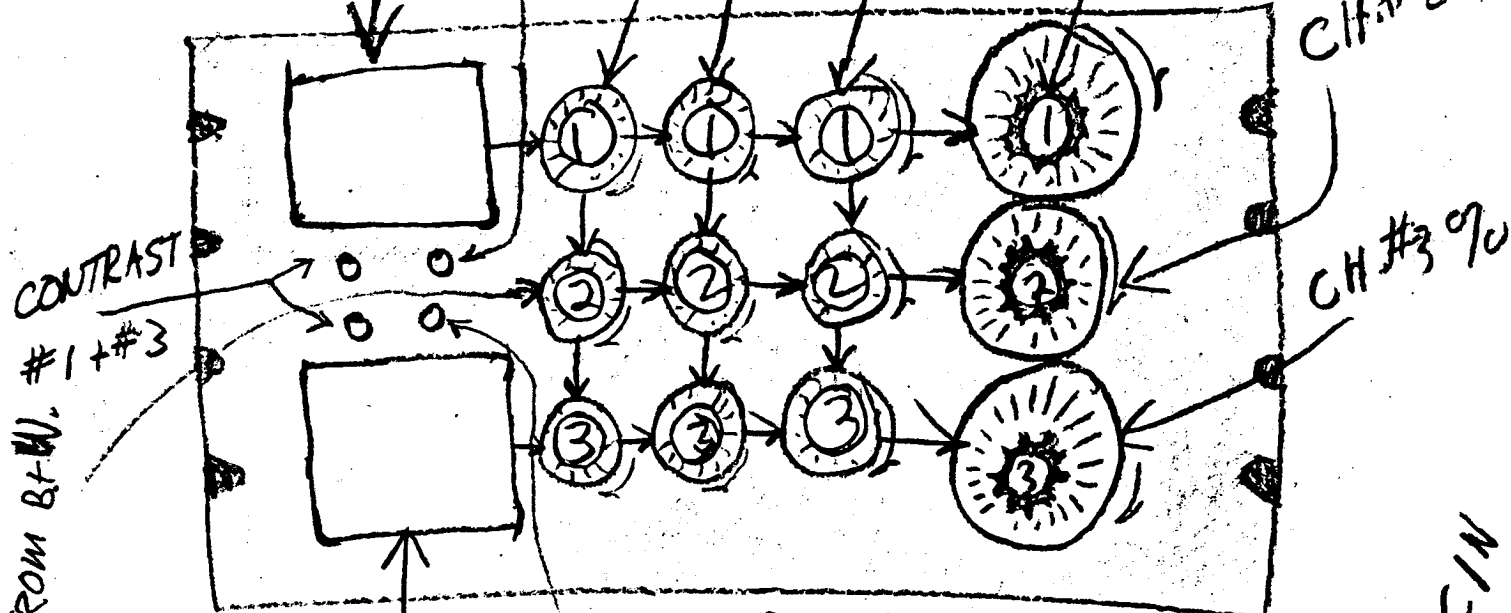
AREA 212-777-2000

Intermedia Program

ARCHETRON sept 66

COLOR MATRIX

MONITOR,
CH # 1
SONY CVF-4



FRONT

VID. "C" FROM B+W.
02"2"

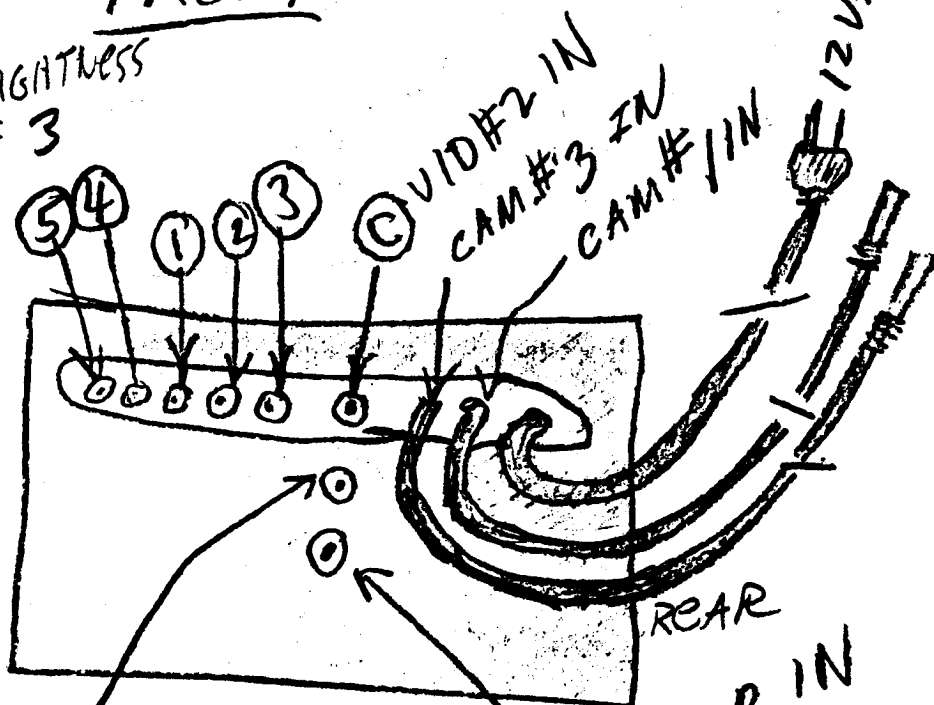
MONITOR,

CH # 3
SONY CVF-4

BRIGHTNESS
3

- ① = RED
- ② = BLU.
- ③ = GRN.
- ④ = SYNC# 1
- ⑤ = SYNC# 3

← CHANNEL #S 1+3
IN "GOG" BOX WITH
COLOR MATRIX



① VERT. DR. IN ② DR. IN

BNC 12-10-10-10-10-10

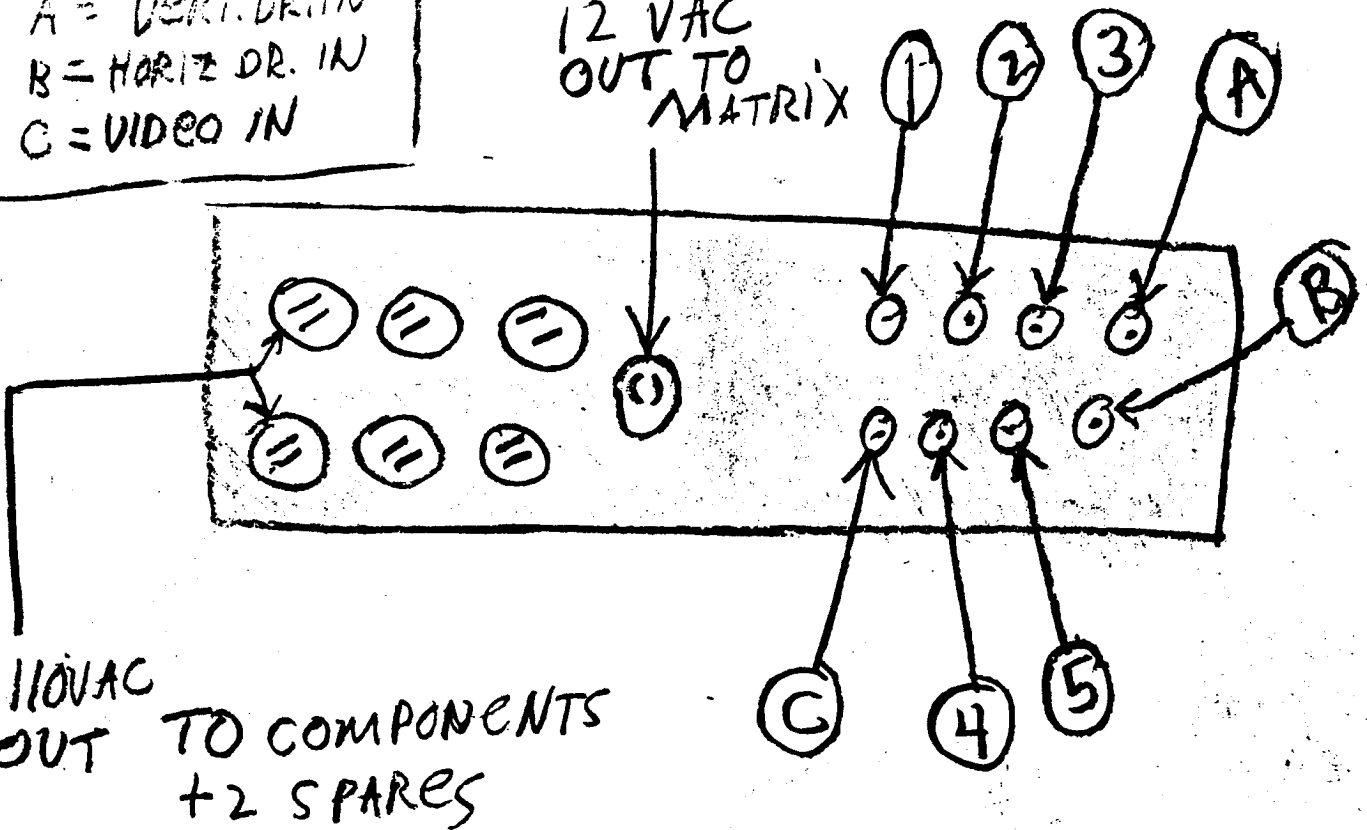
ARCHETRON SEPT. 68

VID + PWR. PNL.

- 1 = RED.
- 2 = BLU.
- 3 = GRN.
- 4 = SY. #1
- 5 = SY. #3
- A = VERT. DR. IN
- B = HORIZ. DR. IN
- C = VIDEO IN

REAR

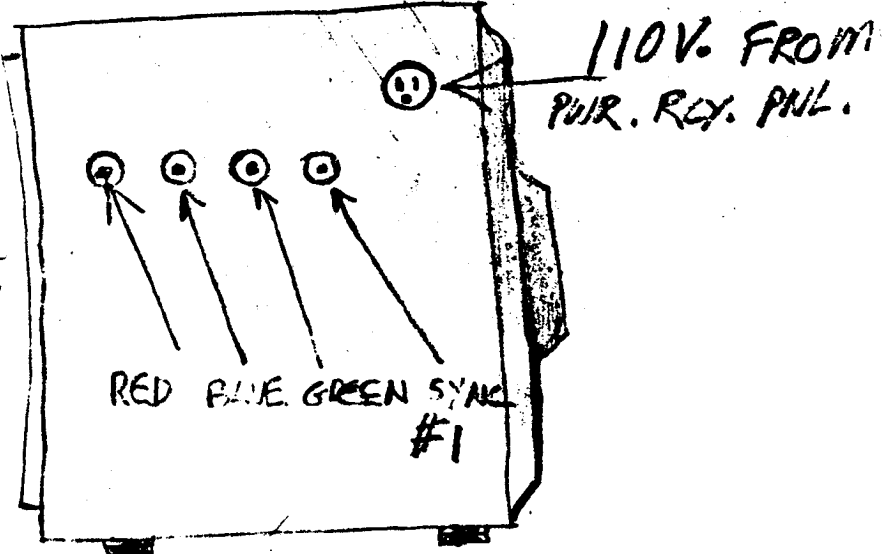
12 VAC
OUT TO
MATRIX



COLOR MONITOR

RIGHT SIDE
END VIEW

CABLE CONNECTIONS



ITB



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ARCHETRON

SEPT. 68

EXT. VERT. DR. IN

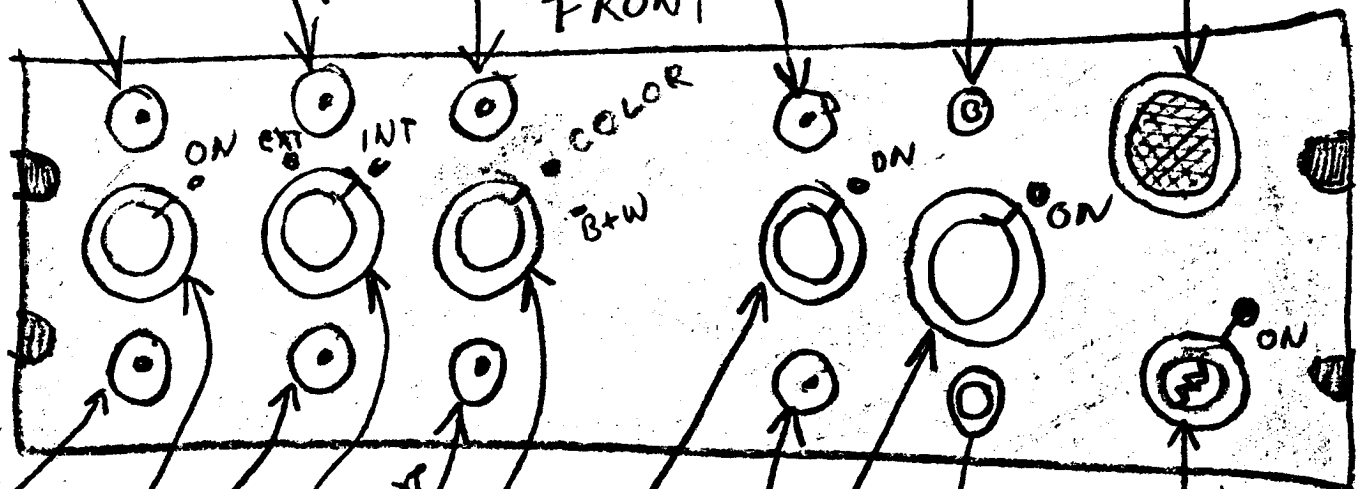
VERT. DRIVE OUT 18V P.P.

MONITOR VID IN

FRONT

CAMERA #1 VID. OUT TO MATRIX

AUDIO OUT HIGH IMP. "ON" PILOT



NOT USED

V-H DRIVE SELECTOR INT-EXT

MONITOR INPUT TERM 75Ω

MON IN LOOP THRU

CAM #2 LOOP-THRU

CAM #2 TO MONITOR INTERNAL CONNECT

AUDIO OUT LOW IMP (SPKR.)

INTERNAL SPEAKER OFF-ON

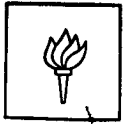
KEY LOCK

EXT. HOR. DR. IN

HORIZ. DRIVE OUT 18V P.P.

110V AC - IN LOCATED UNDER REAR CENTER OF CABINET

III A



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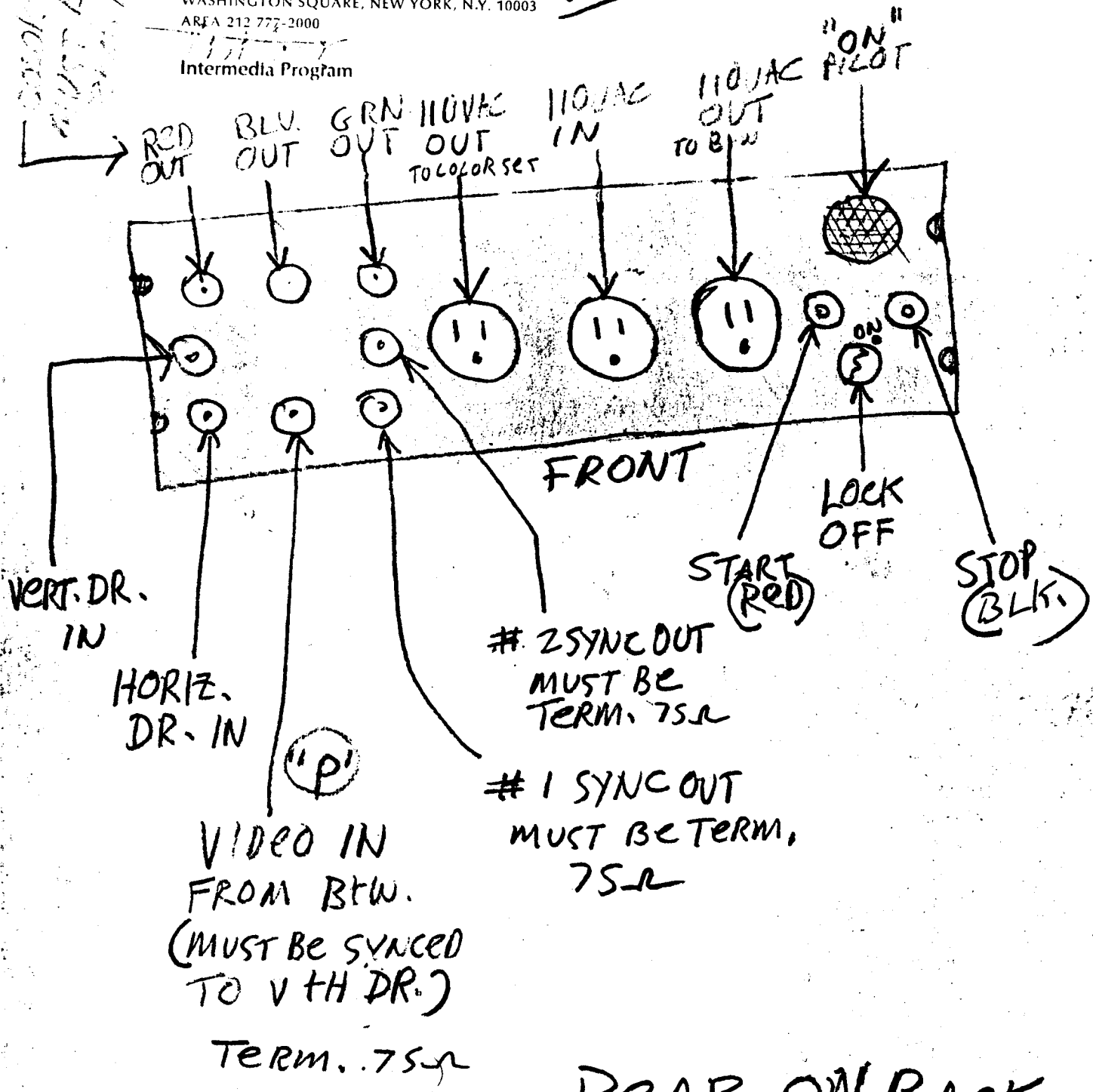
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Intermedia Program

ARCHETRON ^{SEPT 66}

VID. + PWR. RLY PNL.

10003
10003
10003





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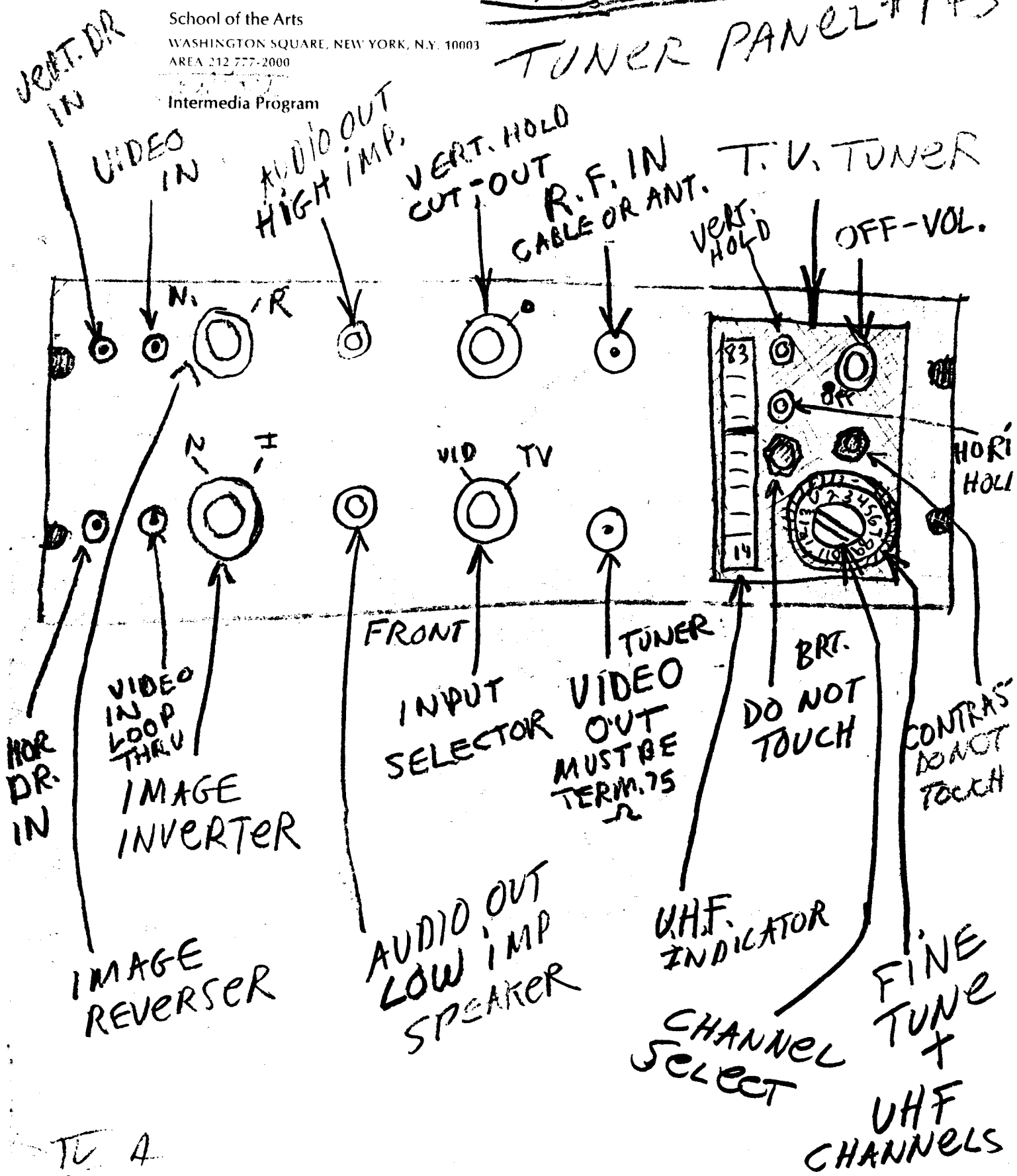
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ARCHETRON

Sept, 68

TUNER PANEL #1 + 3



TV A



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SEPT. 68

"FLEXITRON"
AND SCOPE
KEEP TO LEFT
POSITION EXCEPT
DURING USE

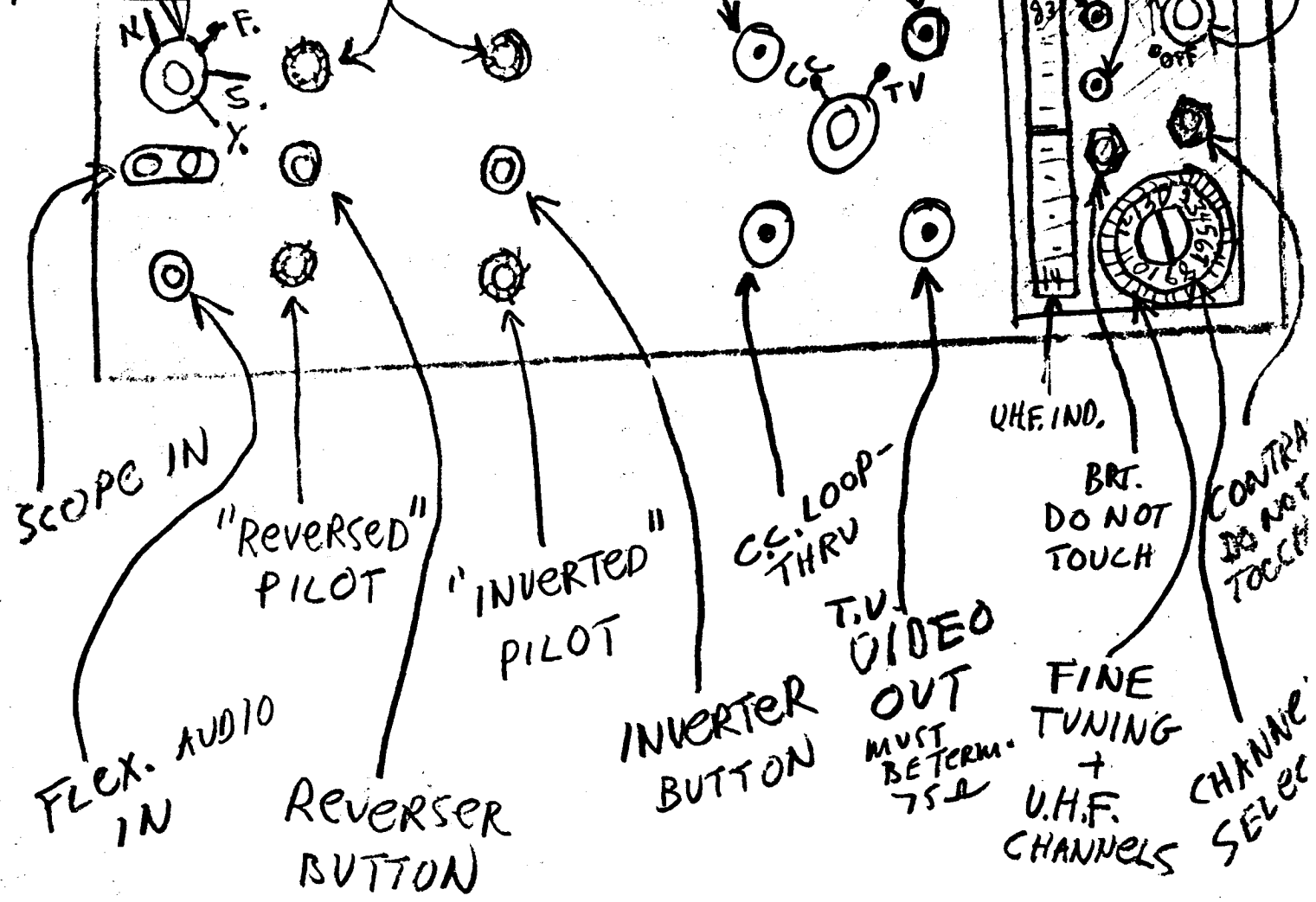
"NORMAL"
PILOT/LITE

G.C. VIDEO IN
ON REAR PNL
R.F. IN -
CABLE OR ANT.

VERT. HOLD
HORIZ. HOLD

OFF VOLUME

FRONT

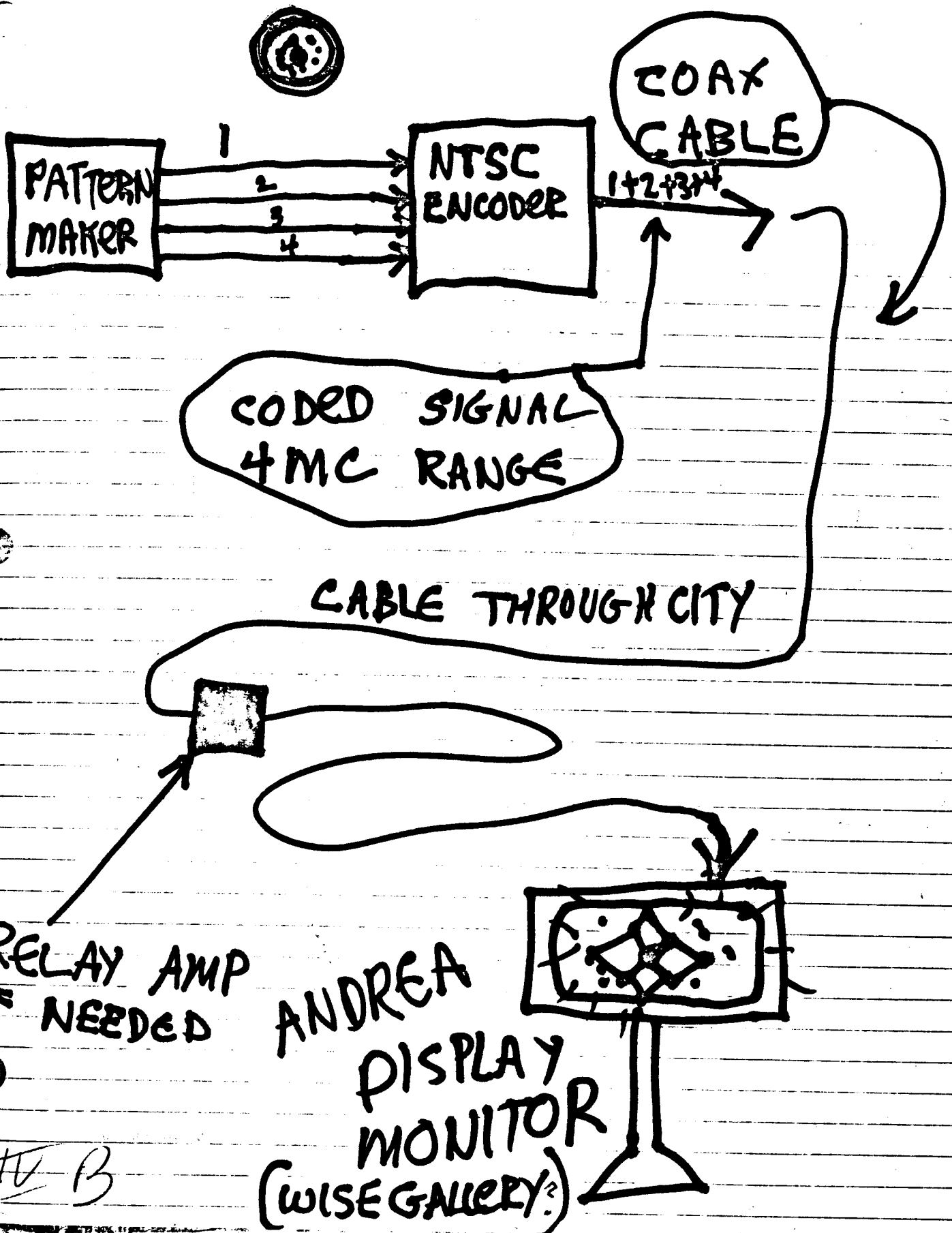


ARCHETRON

B+W (TUNER # 2)

HTB

(WISE GALLERY?)



PRELIMINARY

CHECK-OUT

- 1 Check Signal Cable Layout (Diagram).
- 2 Check Key Switches on Both Consoles for Right-Hand Rotation (On Position).
- 3 Check Power Volume Knobs on Three Tuners to see that they are in the "ON" Position (Turn to Right until Knob is in Free Rotation to Adjust Volume of Sound).
- 4 Check Toggle Switch on Monitor on Right-Hand Console to be in "ON" Position.
- 5 Check all Black Knobs to "RED DOT" Position.
- 6 Turn Three Large Knobs on Color Panel to "0".
- 7 Press Red Button on Power Panel and Machine should Start.
- 8 Check for:
 - (a) Green Light on Pwer Panel.
 - (b) Red Light on Right Console.
 - (c) Neon Lights inside Channel Selectors of Three Tuners.
 - (d) Blower Motor in Right Console.
- 9 If no action in either Console then Check Power Cables (Diagram)
- 10 While Machine Warms Up, Set 3 Channel Selectors to Desired Channel
- 11 When Monitors Light Up Adjust Vertical Hold on Tuner "B" (Right Console) to Stop Jumping on the Three Monitors.
- 12 Adjust 3 Fine Tunings for Strongest Images.
- 13 Adjust Vertical Hold on Tuners "A" and "C" to keep Image from Rolling Inward or Outward.
- 14 Adjust Horizontal Holds on Tuners "A", "B", and "C" to Get Steady, Complete Image if Necessary.
- 15 Readjust Fine Tuning for Sharpest Picture on Each of 3 Monitors.
- 16 Turn to Large Display Monitor:
 - (a) Screen should be Softly Glowing with Steady Light.
 - (b) Adjust Horizontal Hold to Remove Diagonal Lines (Unlikely).
 - (c) Adjust Vertical Hold to Stop Rolling (Unlikely).

VA

- (d) Adjust Brightness to Get Soft Glow on Screen.
- (e) If no Action at All on this Monitor, Check Power Cable to Console.

(17) Console Color Controls:

- (a) Set Color Controls to a Good Beginning Pattern:
E.G. TOP ROW: Red 30° Blue 100° Green 30°
MIDDLE ROW: "100° " 30° " 30°
BOTTOM ROW: " 30° " 30° " 100°
- (b) Set Large Percentage Controls to Desired Level of Intensity, Keeping All Nearly Equal.
- (c) Set Intra-Channel Knobs Marked "I-C" (Tuners "A" and "C"), and Buttons (Tuner "B") to Get the Most Pleasing Effect.

- (18) Machine May Now be Stopped & Restarted with only Touch-Up Adjustments of the Three Vertical Holds on the Tuners Needed to Warm Up.

PRELIMINARY CHECK-OUT

- (1) To Get Straight-T.V. on Display Monitor
Remove Cable "P" from Jack "P" on Right Console (Near Tuner);
Turn the Top & Bottom Percent Knobs on the Color Panel to 0°
& Turn the Center Row Percent Knobs all to 100°. The
Center Percent Knob now Controls the Intensity of the Straight Image.

CAUTION - ^{RE ARCHETKUN} OPERATION

WARNING - DO NOT

- ① INADVERTENTLY TURN OFF SUB-ASSEMBLIES LIKE TUNERS OR MONITORS.
- ② KEEP PRINTERS OF ALL BLACK KNOBS TO RED DOTS.
- ③ 2 KEYS TO BE TURNED OFF POSITION ONLY IF MACHINE IS TO BE MOVED.
- ④ IF MACHINE MOVED CABLES ARE TO BE REMOVED & STORED IN CABINET & ARE TO BE PLUGGED BACK LATER ACCORDING TO CORRECT LETTERING.
- ⑤ IF ANY CABLE REMOVED FOR "STRAIGHT T.V." IT MUST BE LATER REPLACED ON ORIGINAL JACK.
JFA

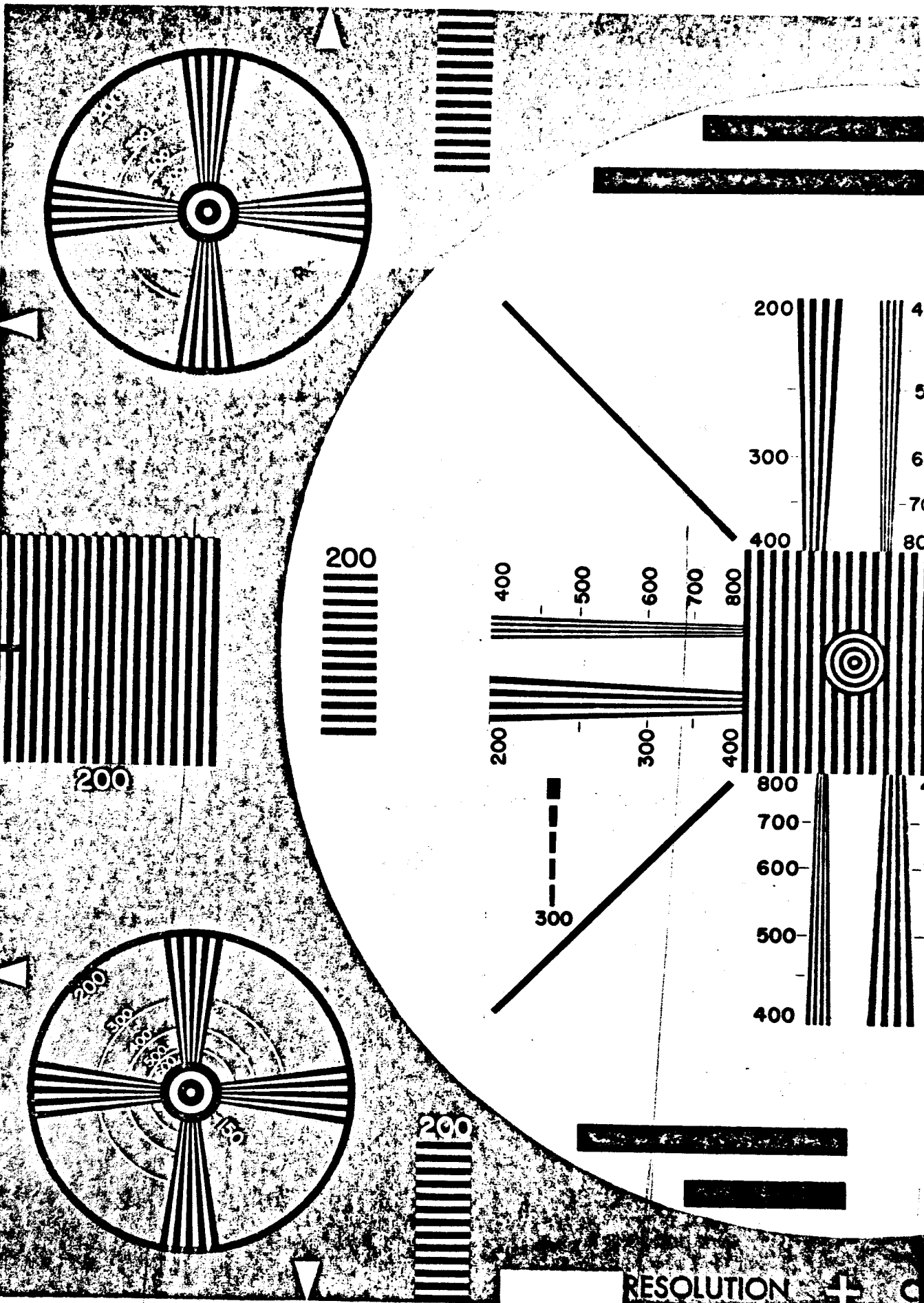
CCTV
FOR CLOSED-CIRCUIT T.V.

REMOVE CABLE PLUGGED IN

CCTV - ALWAYS PUT COVER OVER LENS
& SWITCH CAMERA BUTTON TO "STANDBY"
OR "OFF"

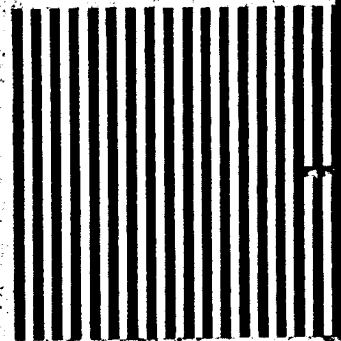
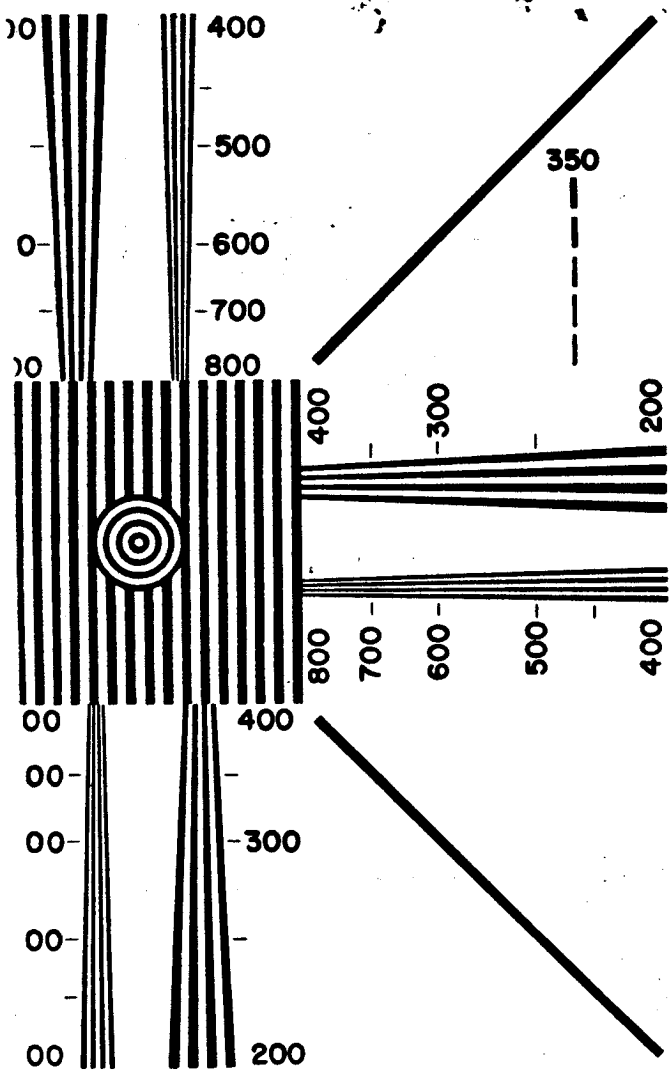
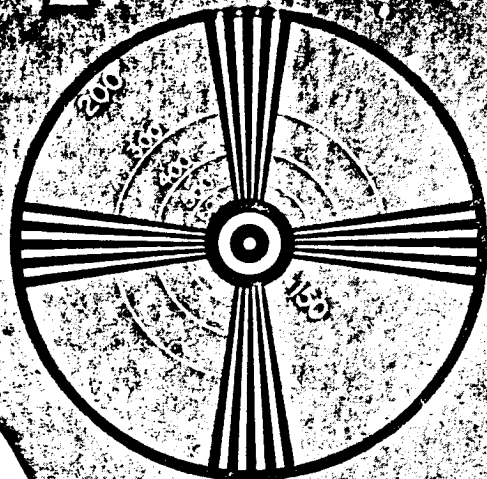
ALWAYS TURN TO STANDBY OR "OFF"
WHEN NOT USING

DO NOT FOCUS ON STILL OBJECT
FOR MORE THAN 2 HRS.

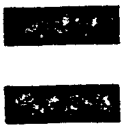
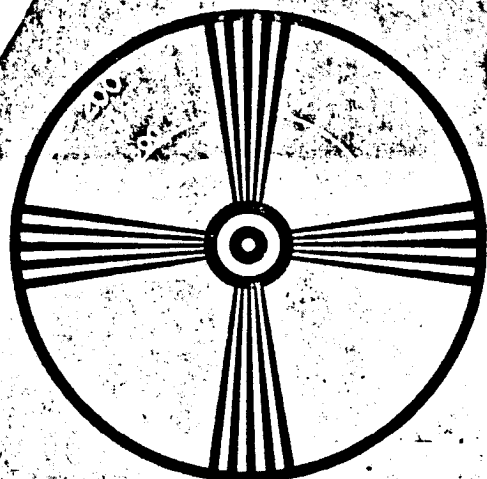


V4A

RESOLUTION + C



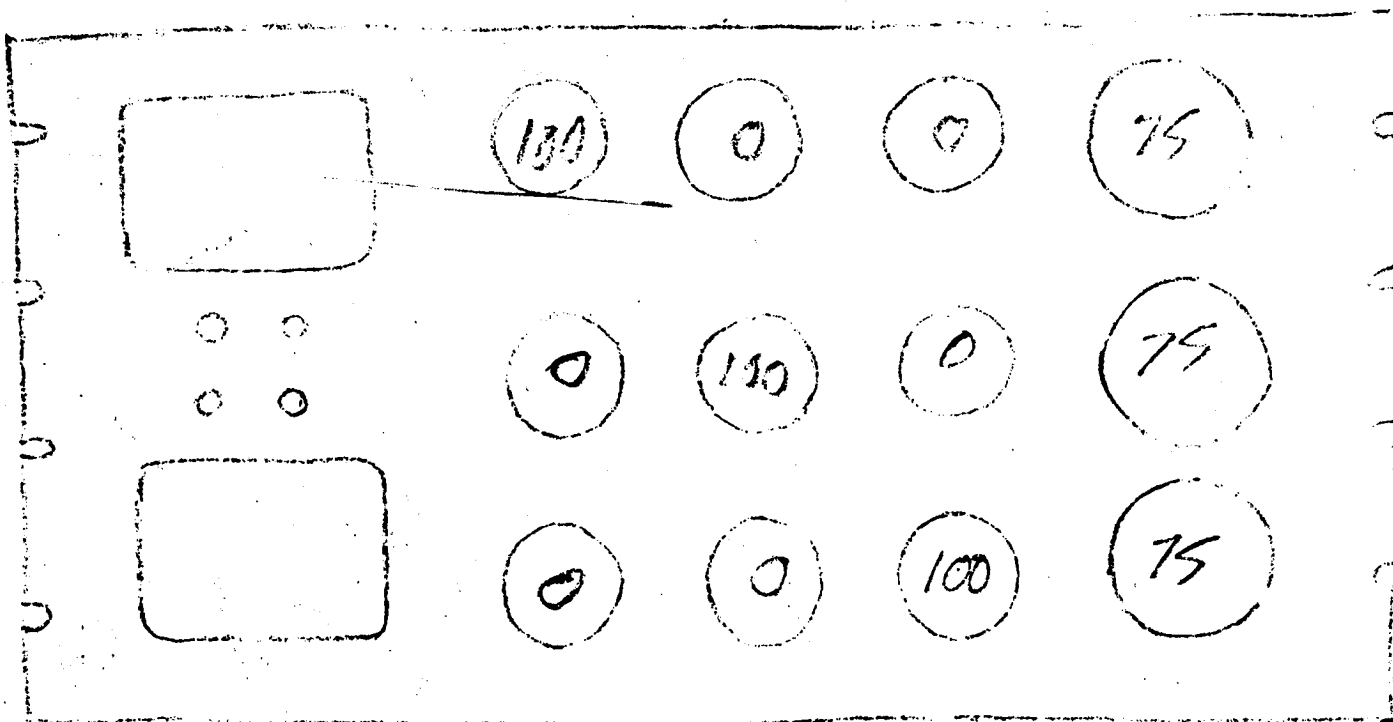
200



N CHART

— ARCHITRON —

— ★ — COLOR PLOT —



DESCR.:

BASIC SPECTRAL SYSTEM

ALL ON SAME CHANNEL

FOR BEST COLOR BREAKDOWN,

ALL ON DIFFERENT CHANNELS

FOR BEST ACTION

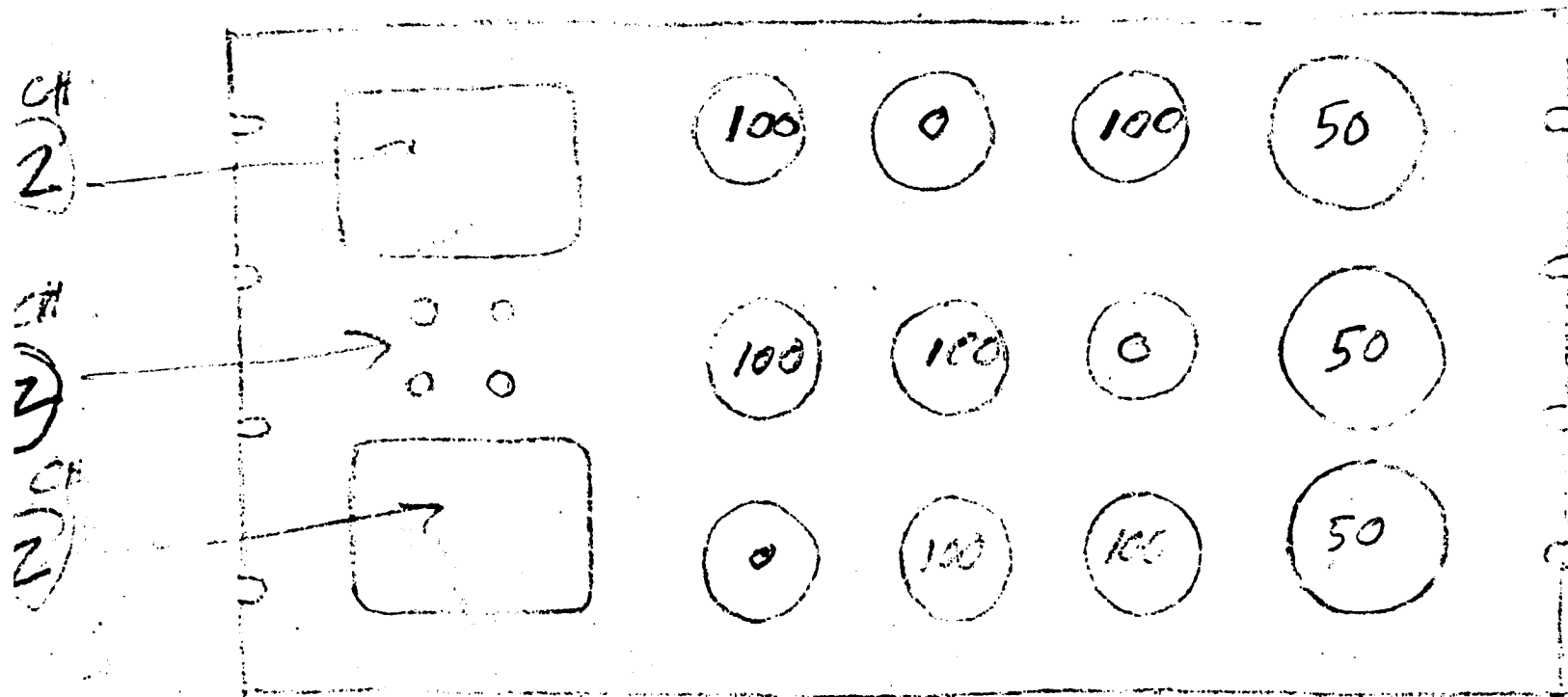
DATE:

OCT 19 1968

[Signature]

— ARCHITECTON —

— COLOR PLOT —



DESCR.:

TOP ROW = GOLD
 CENTER ROW = PURPLE
 BOTTOM ROW = STEEL BLUE

EFFECT OF SUBDUED BACKGROUND,
 TERTIARY COLORS WITH OCCASIONAL
 BREAKDOWN INTO SMALL AREAS
 OF SURFACE PRINCIPALS - LOTS OF WHITES

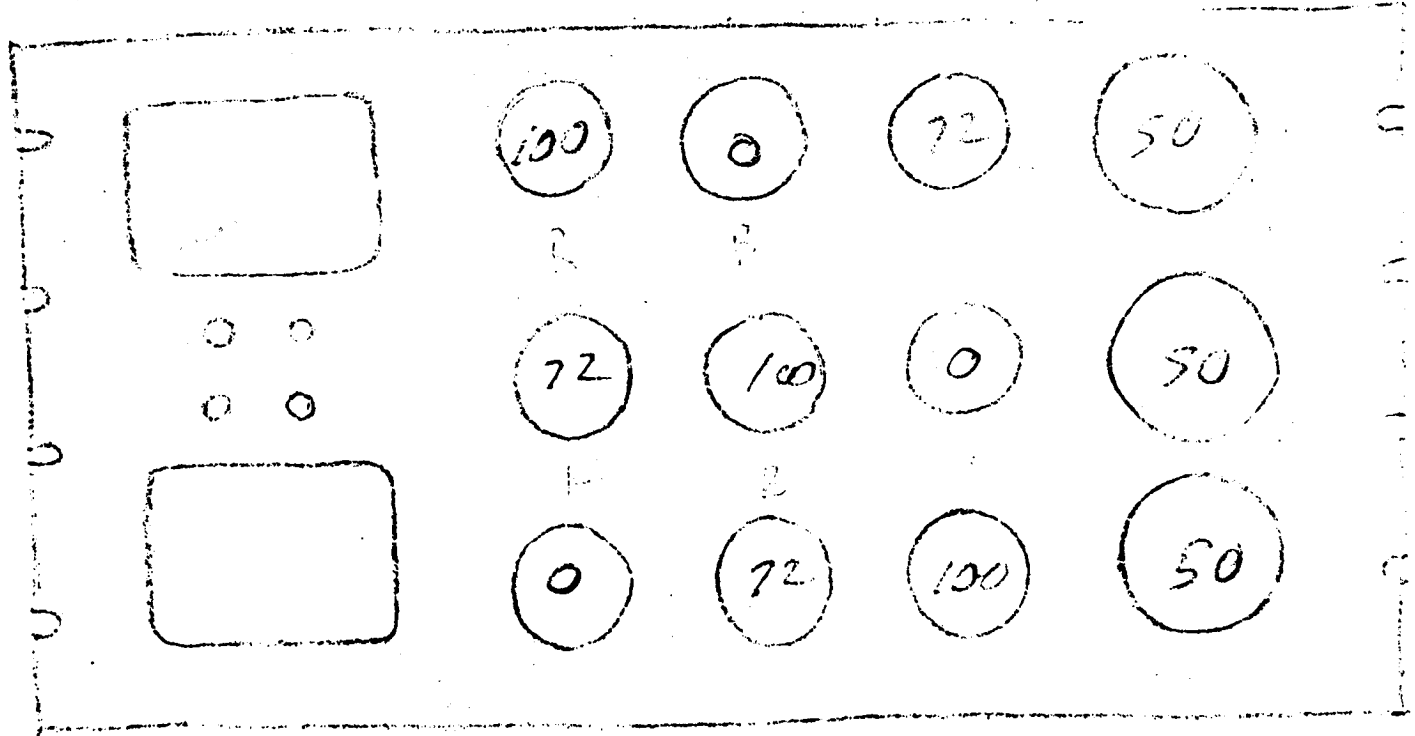
DATE:

OCT 19 1968

[Handwritten signature]

— ARCHEIROM —

— ★ — COLOR PLOT —



DESCR.:

TOP ROW = RED-GOLD
 MID. ROW = RED-VIOLET
 BOT. ROW = BLUEGREEN
 SEMI-TERTIARY EFFECT WITH
 MORE PRIMARIES APPEARING

DATE:

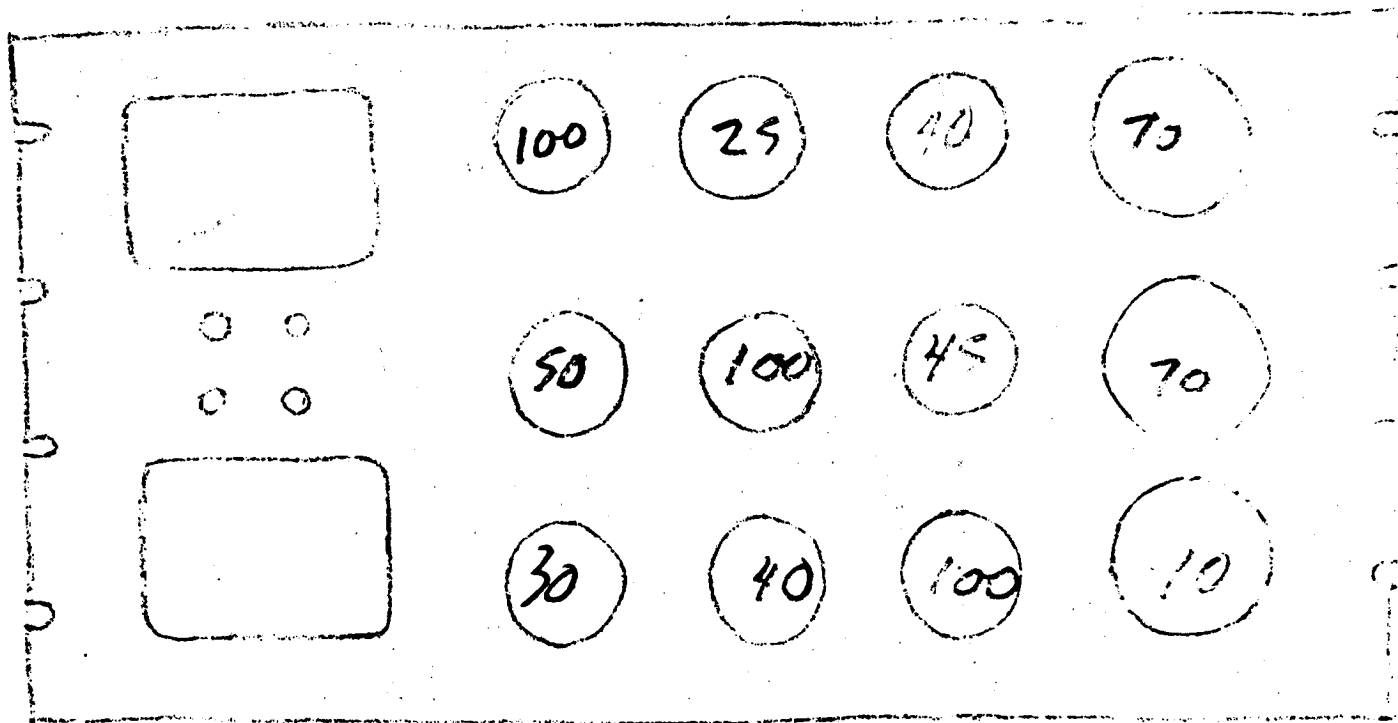
OCT 19 1950

1/2

X

ARCHETRON

★ COLOR PLOT



DESCR.:

SUPER-SATURATED RED,
BLUE & GREEN MIXING

MAKES ALL COLOR RANGES

WITH MUCH PASTELS, ESPECIALLY

DATE:

OCT 19, 1968

(BEST OVER ALL EFFECT)



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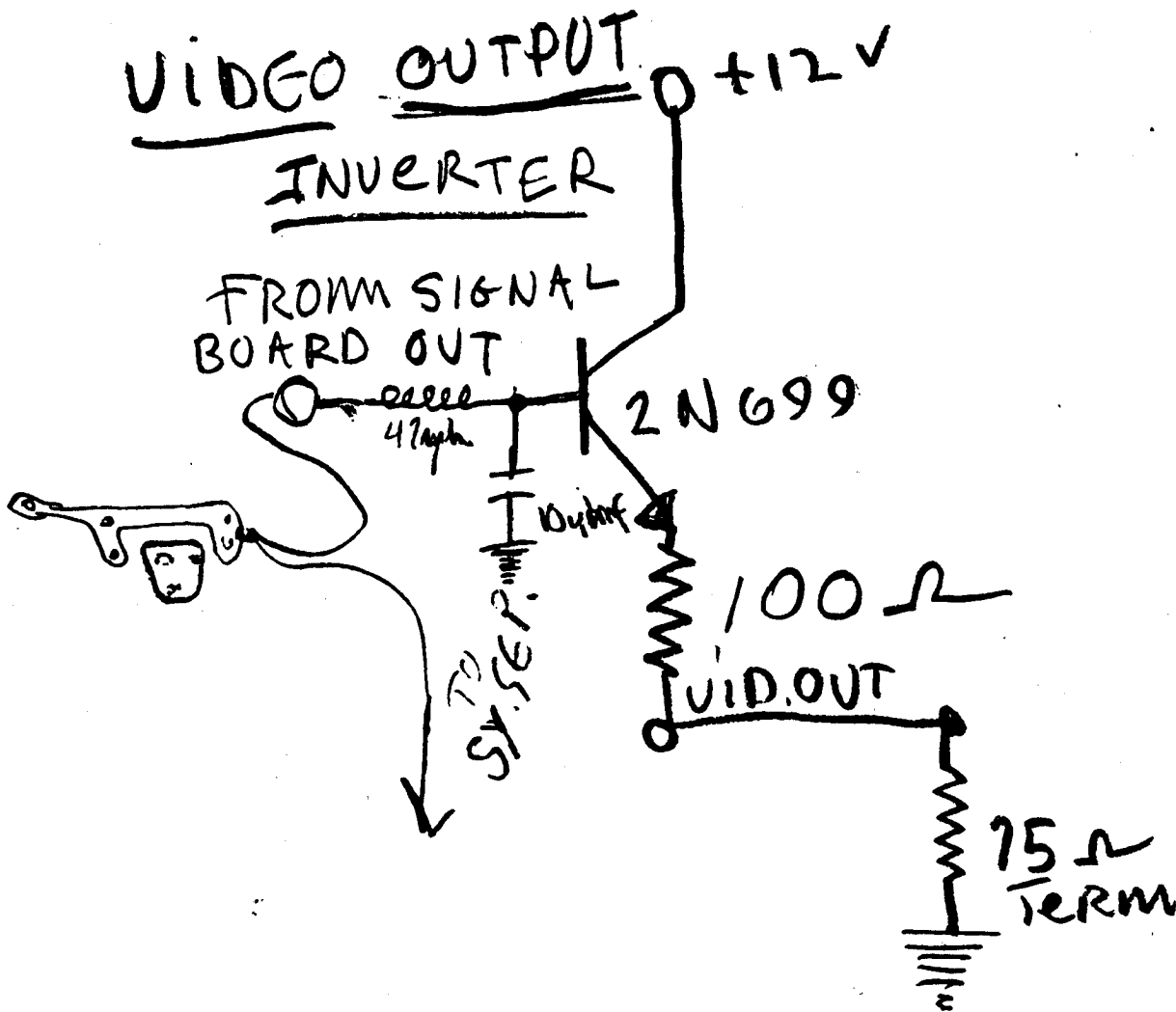
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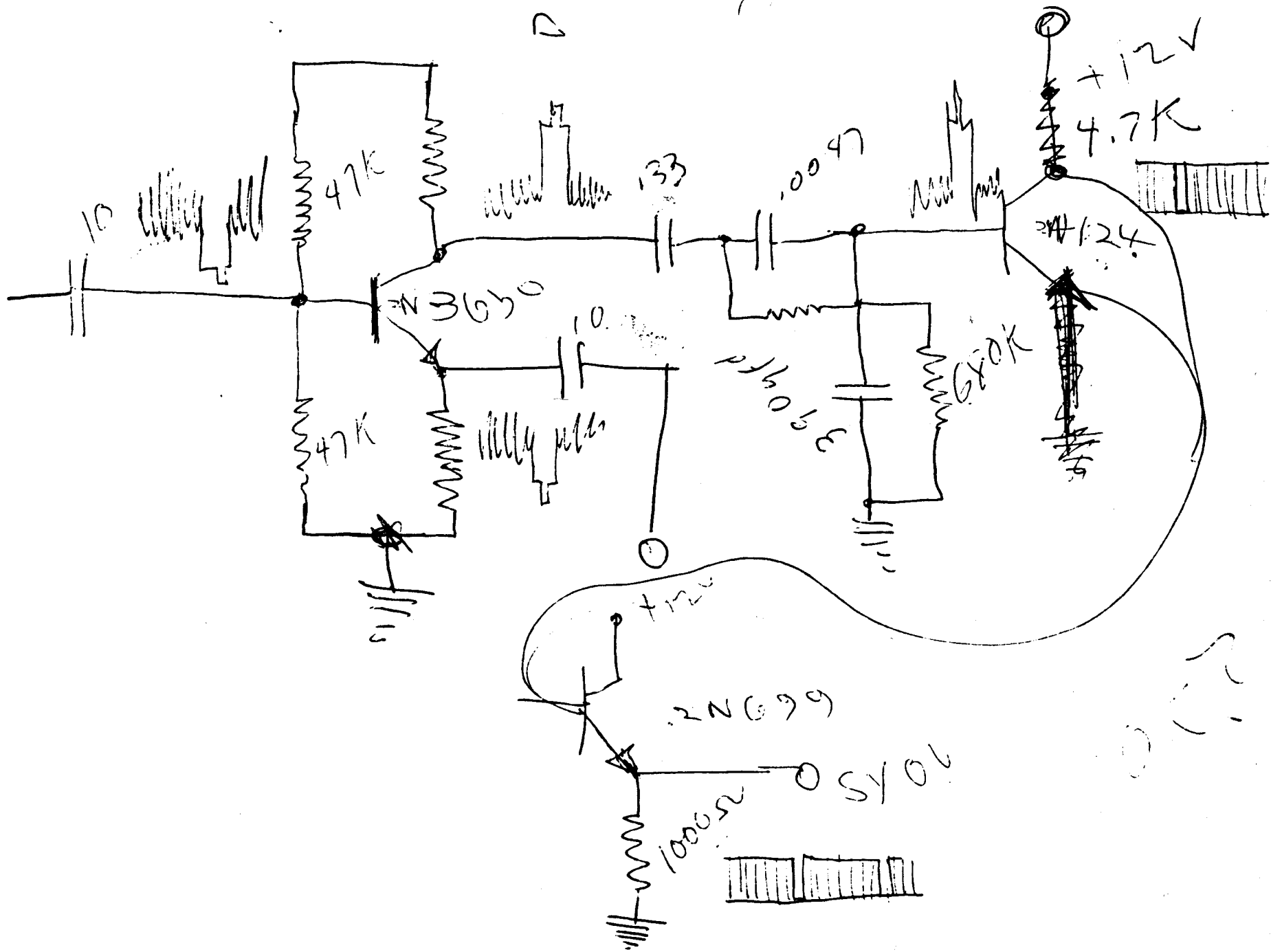
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~~ARCHETRONA~~

1-11-69







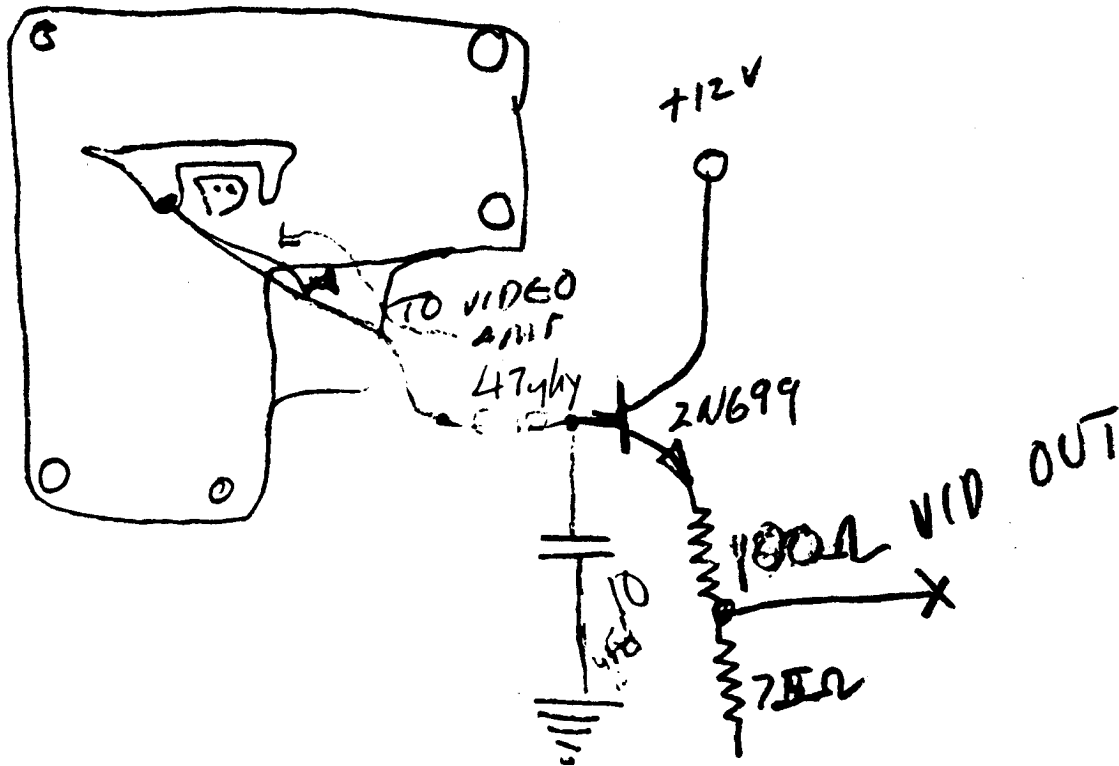
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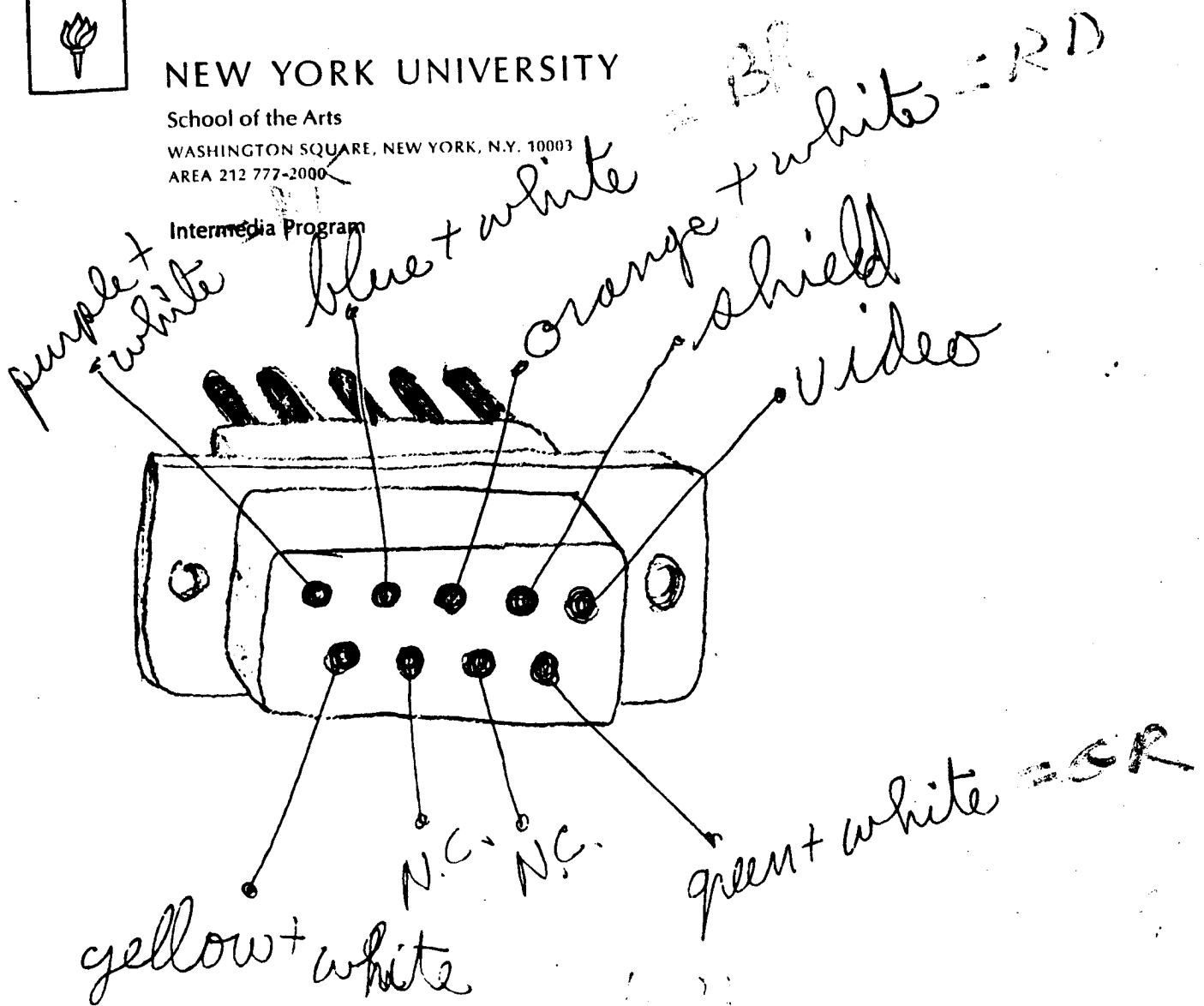
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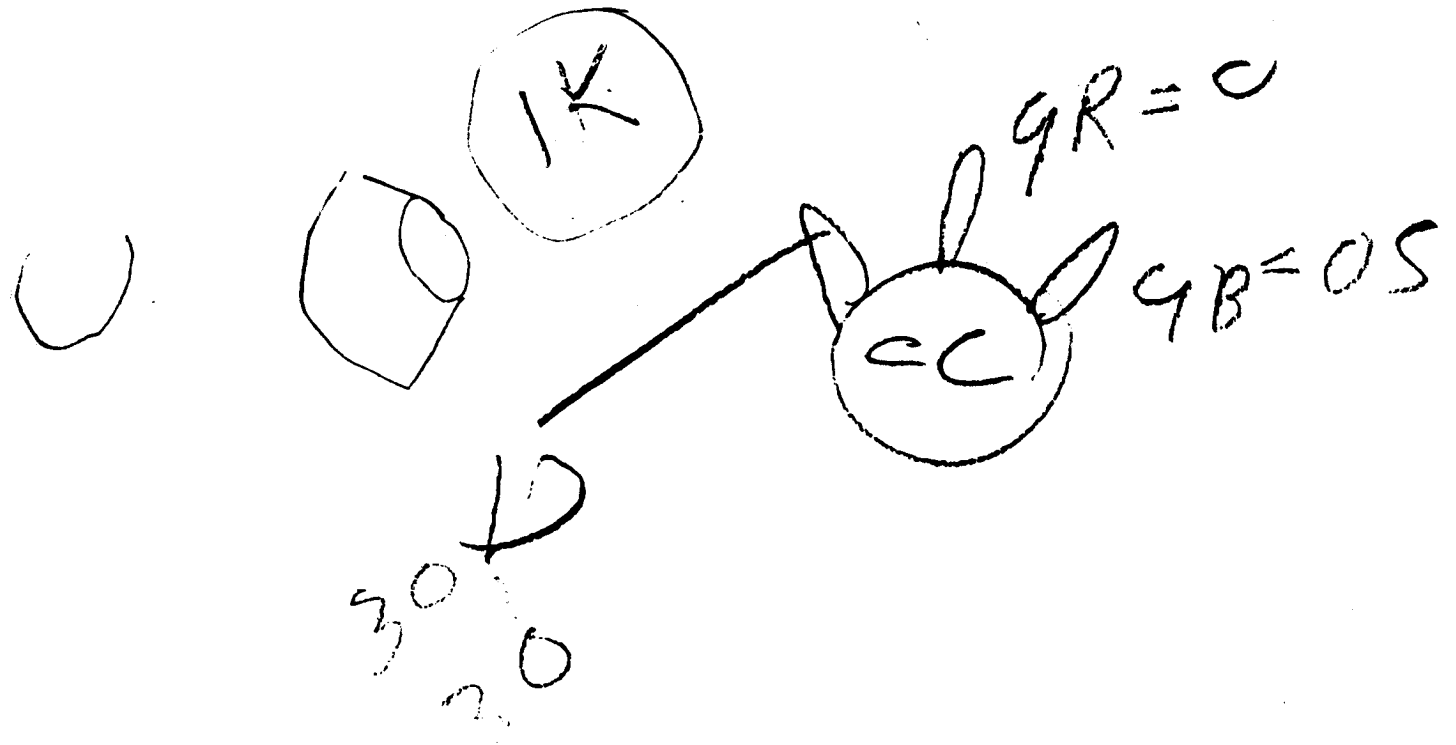


EVF

EXT. CONT

OR + BLK = ~~Orange~~
OR + BLU = Blue
YEL + BLK = RED
OR + RED = Orange
YEL + RED = Yellow

= BRN
= GRN
= BLK
= Red
= WHT





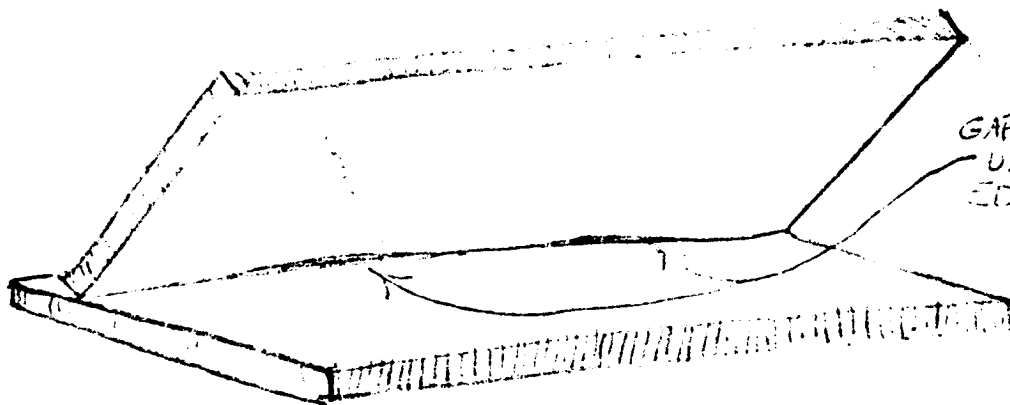
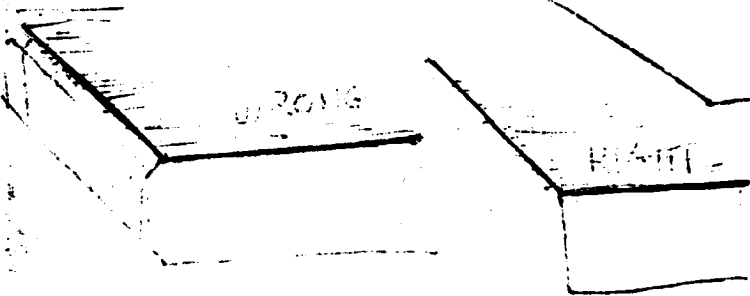
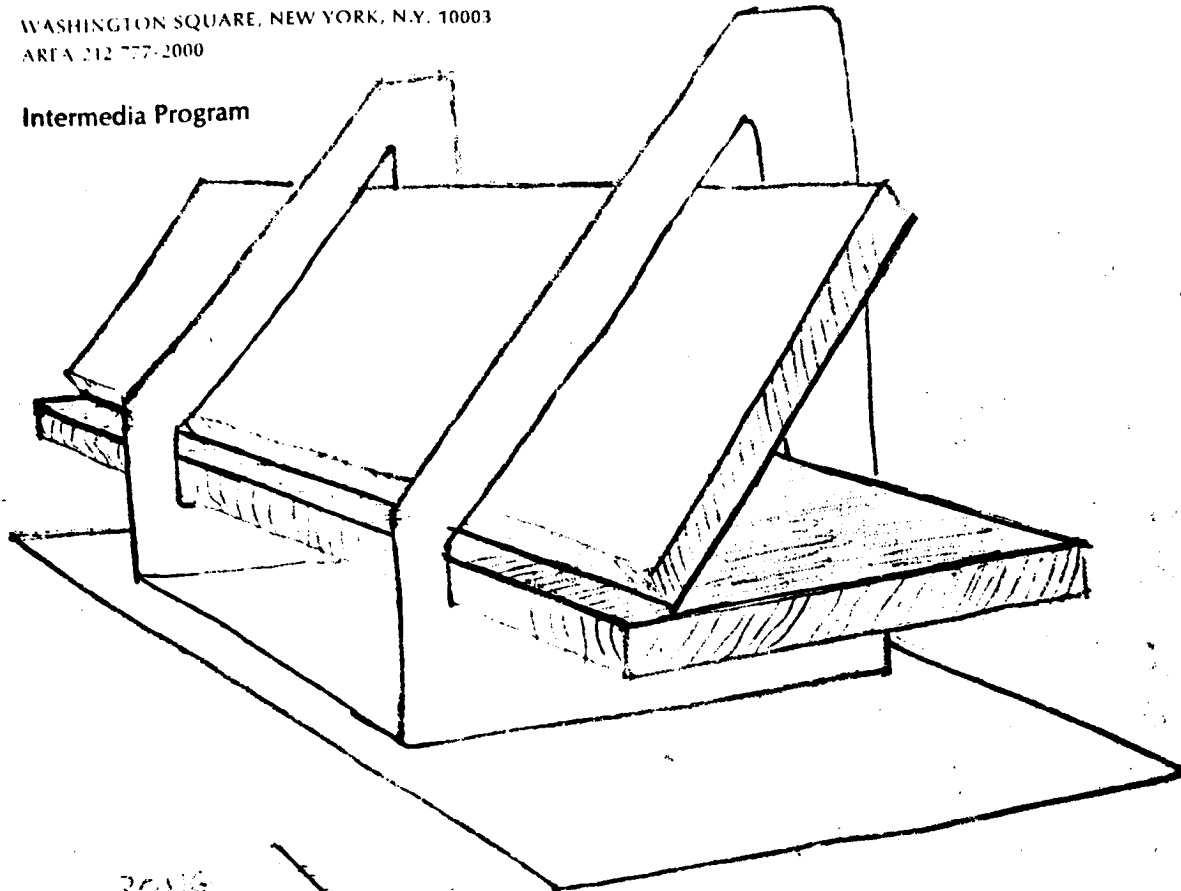
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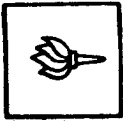
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GAPS CAUSED BY
UNEVEN CUT
EDGE

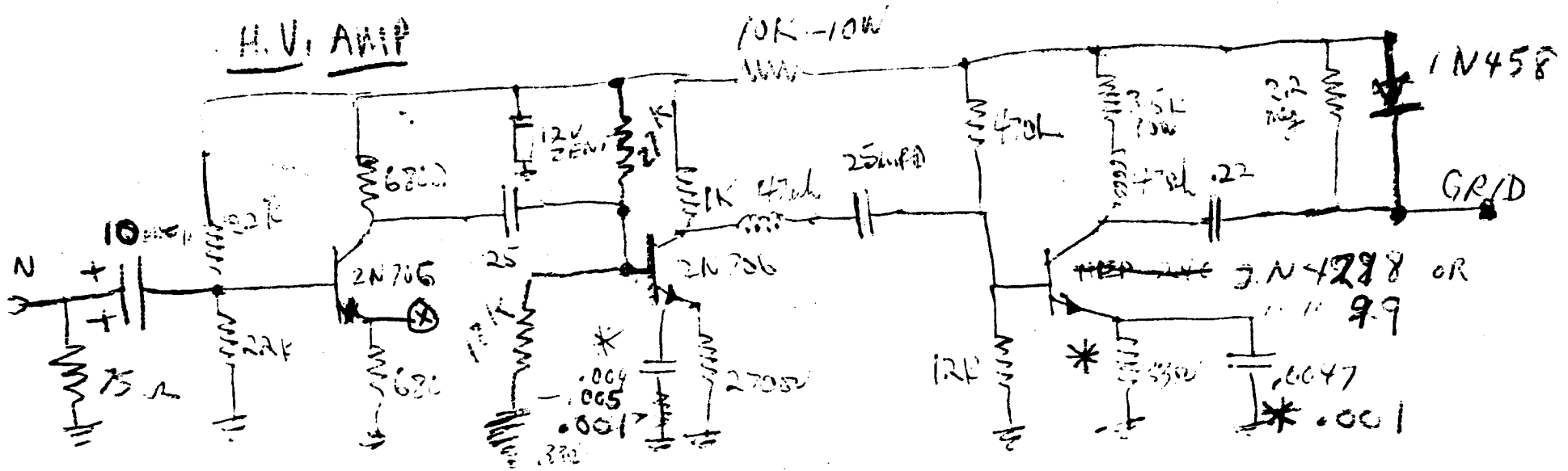


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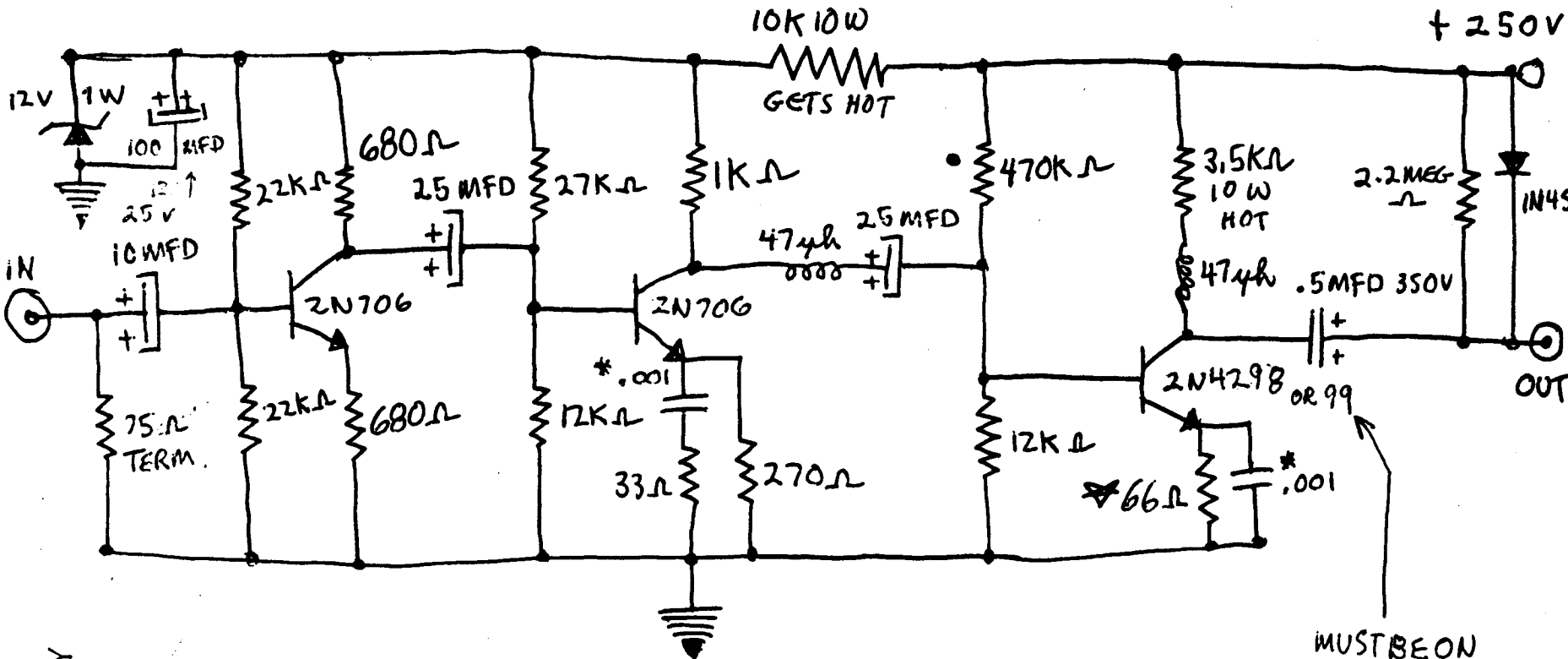
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WILL
* NEED TRIMMING.

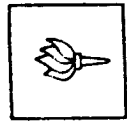


ARCHETRON HIGH-VOLTAGE AMP.

MUST BE ON
HEAT SINK

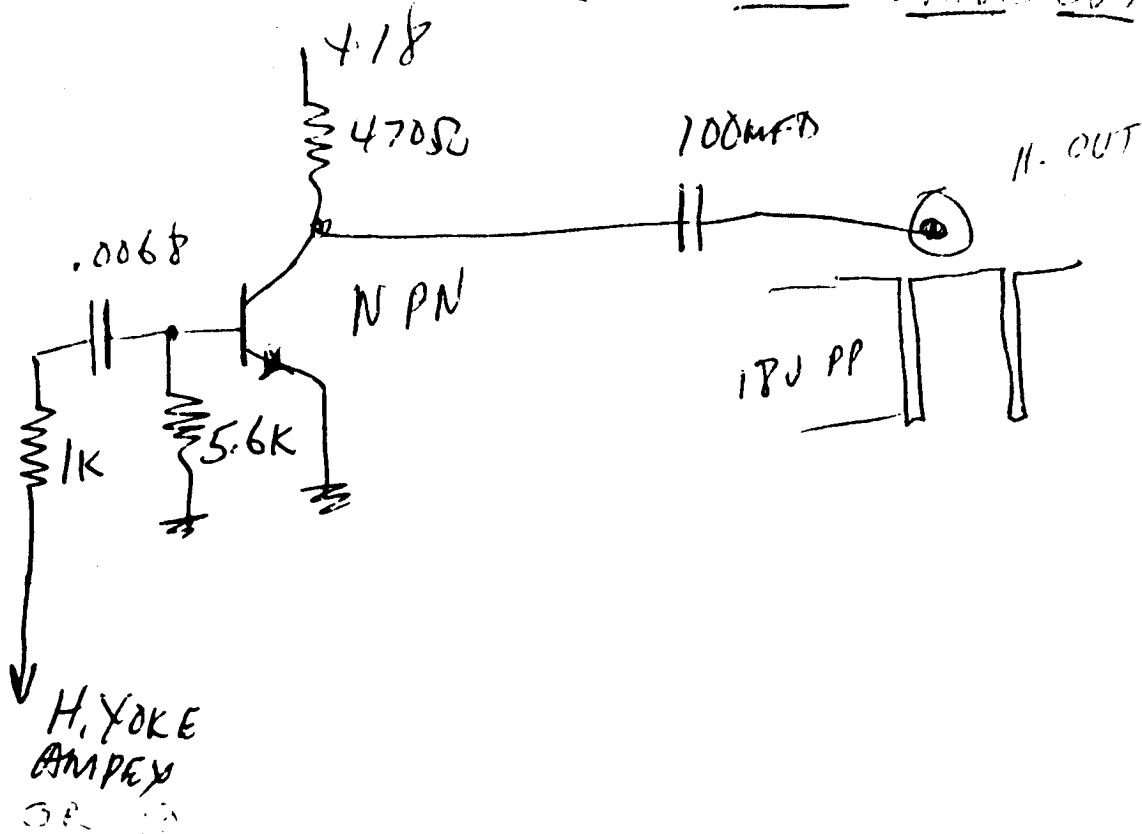
- * MAY NEED TRIMMING FOR WHITE PEAK CLIPPING OR INVERSION
- * MAY NEED TRIMMING FOR GAIN - SMEARING
- MAY NEED TRIMMING FOR LINEARITY

DES. JOS. E. SIEGEL

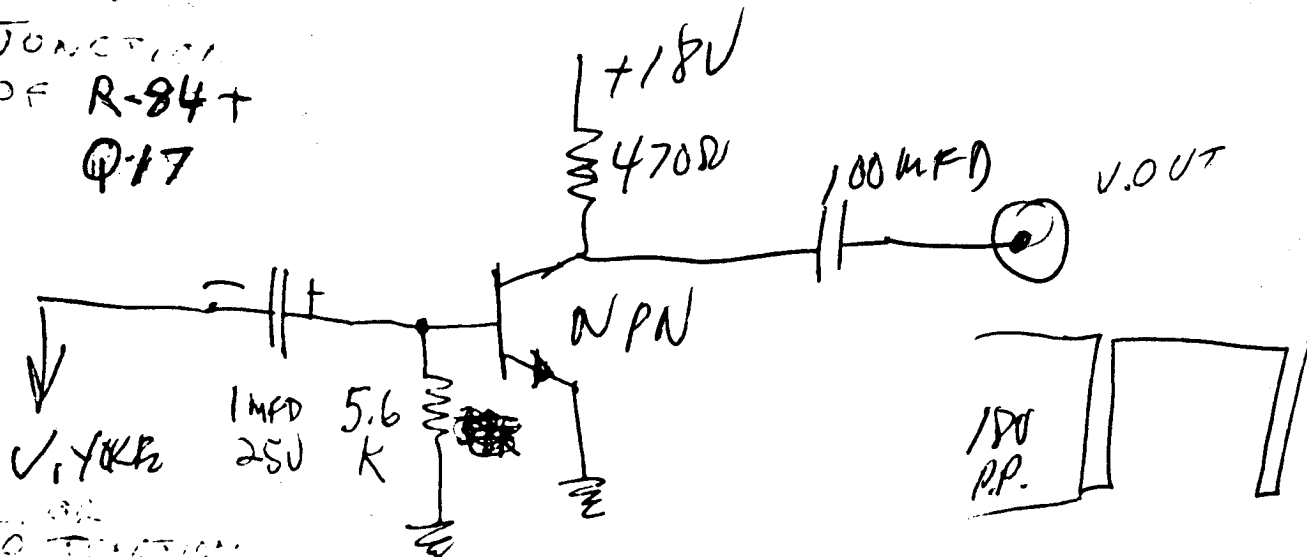


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FOR 10017 TUBE DRIVE OUT



JUNCTION
OF R-84 +
Q-17



TO JUNCTION
OF R-49,
R-50,
R-61

Thus

Aug 29, 1968

J. SIEGEL



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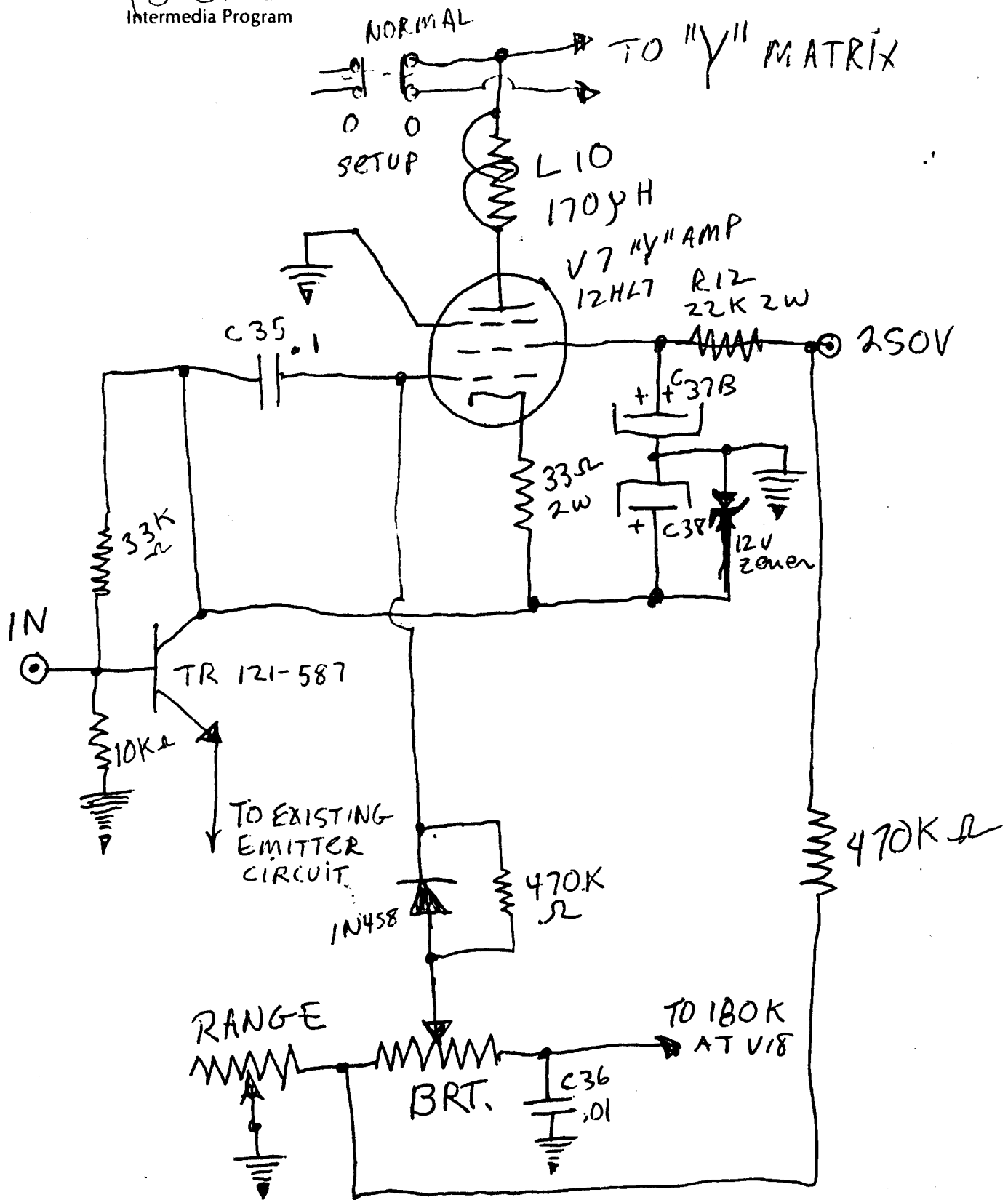
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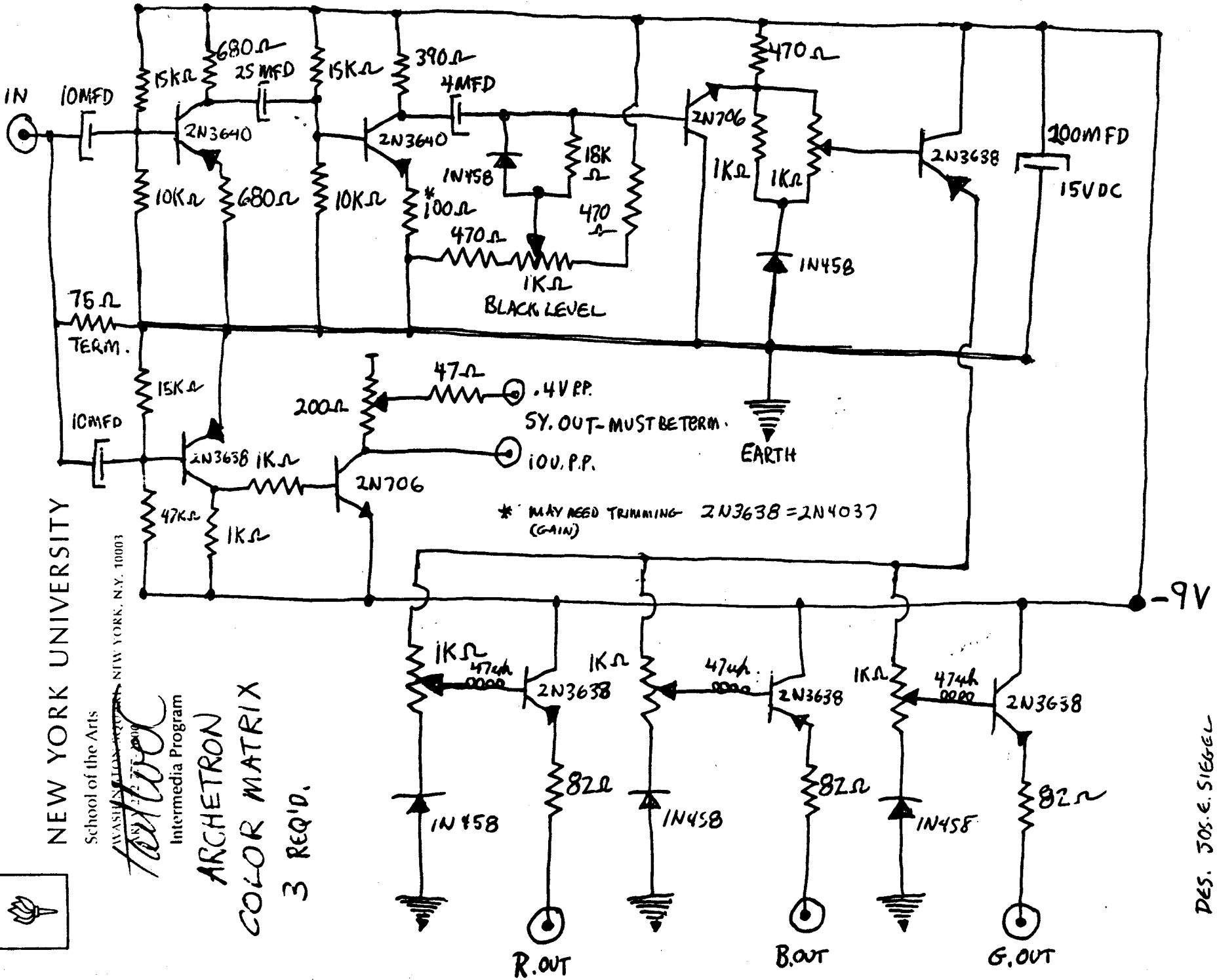
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"Y" AMP MODIFICATIONS





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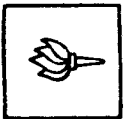
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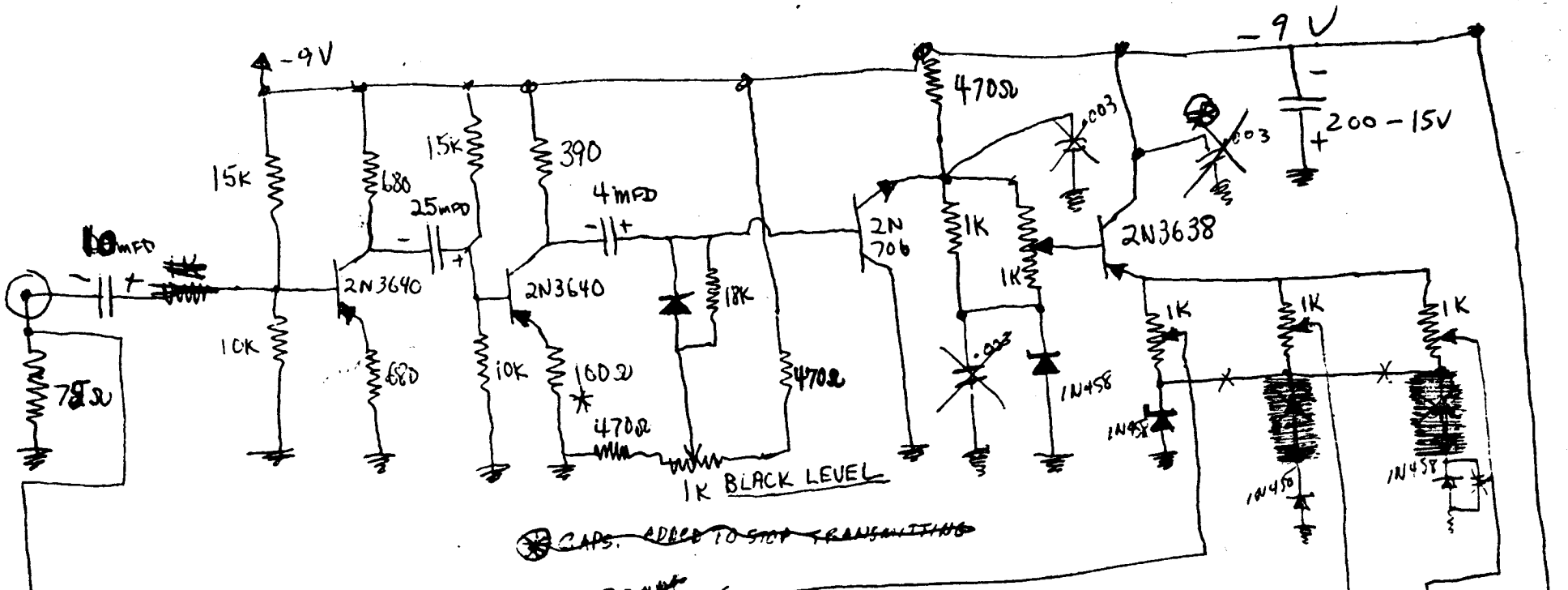
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ARCHETRON
COLOR MATRIX

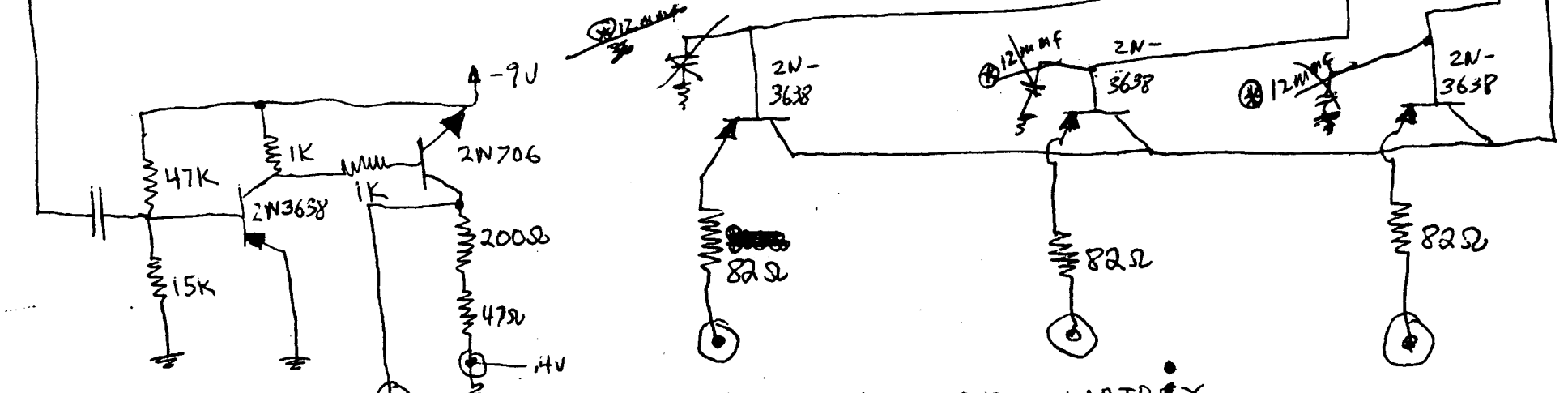
3 REQ'D.



DES. JOS. E. SIEGEL



CAPS. ADDED TO STOP TRANSMITTING



1 IN-3005-VIDEO MATRIX





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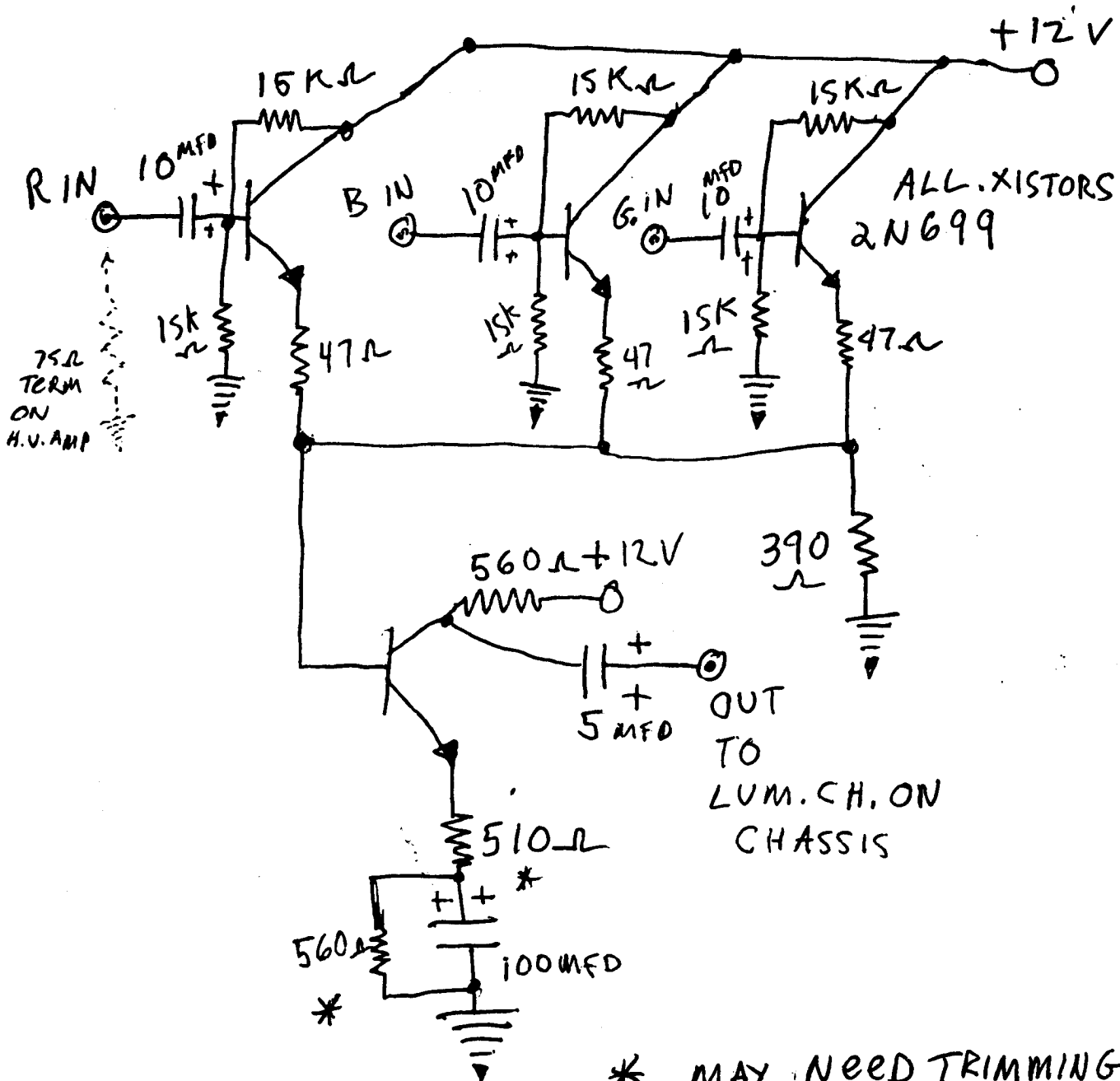
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Interlock
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ARCHETRON

LUMINANCE MIXER



DES. JOS. E. SIEGEL