
Early Television Museum


ITEMS FOR SALE
T Shirts
Caps
CD
Valentype
CD


ITEMS FOR SALE
T Shirts
Caps
CD
Valentine
CD


Murphy A58V


COSSOR
TELEVISION
Cossor 1210


Daven Tri-Standard

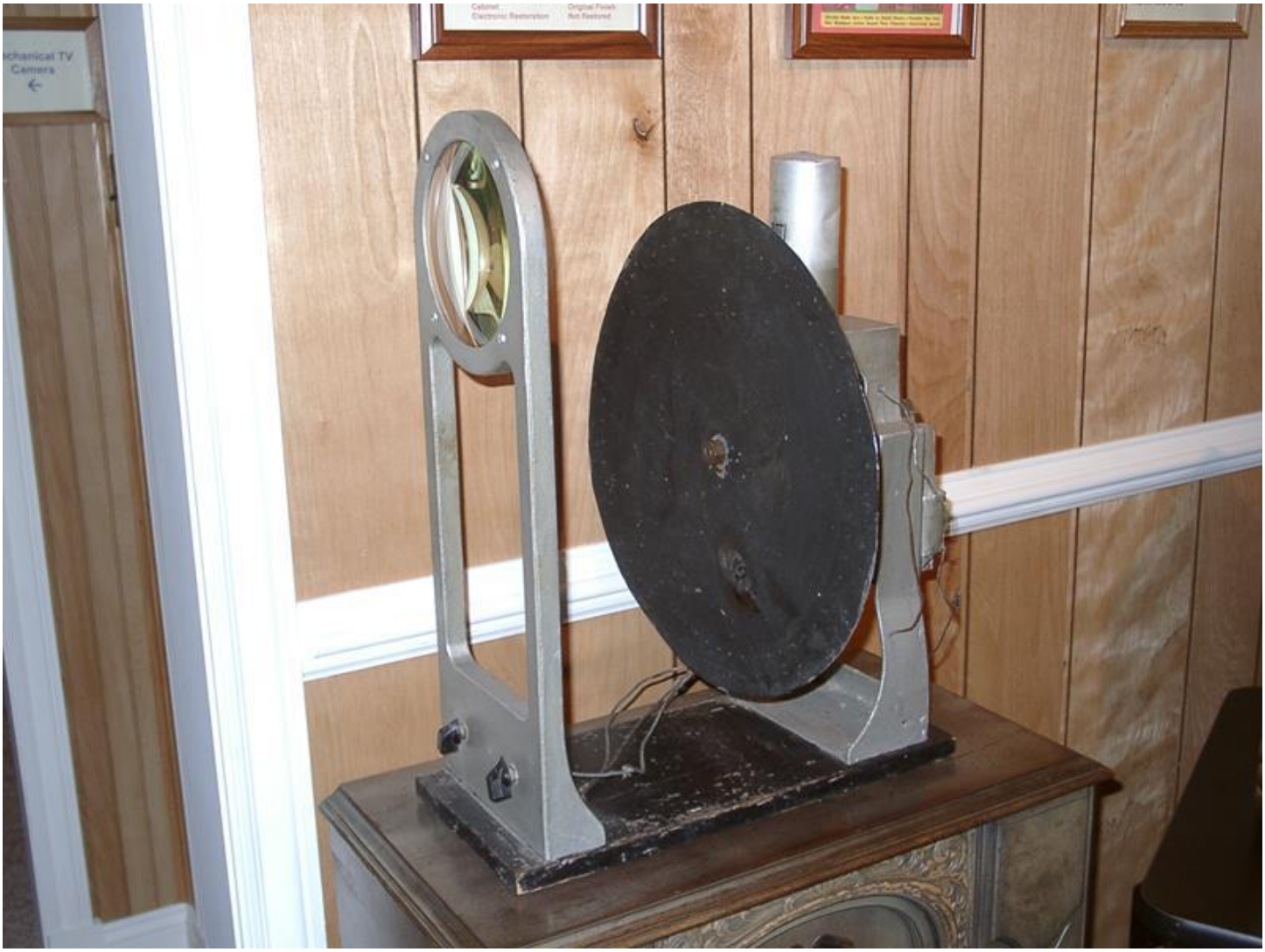

Baird Kit Copy
This half scale copy of the Baird Television Kit was probably made in the 50s. It is a working model, and uses a "nixie" tube (a numeric display tube used in scientific equipment) in place of a neon bulb.


Raytheon


WESTERN
UNION


GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY

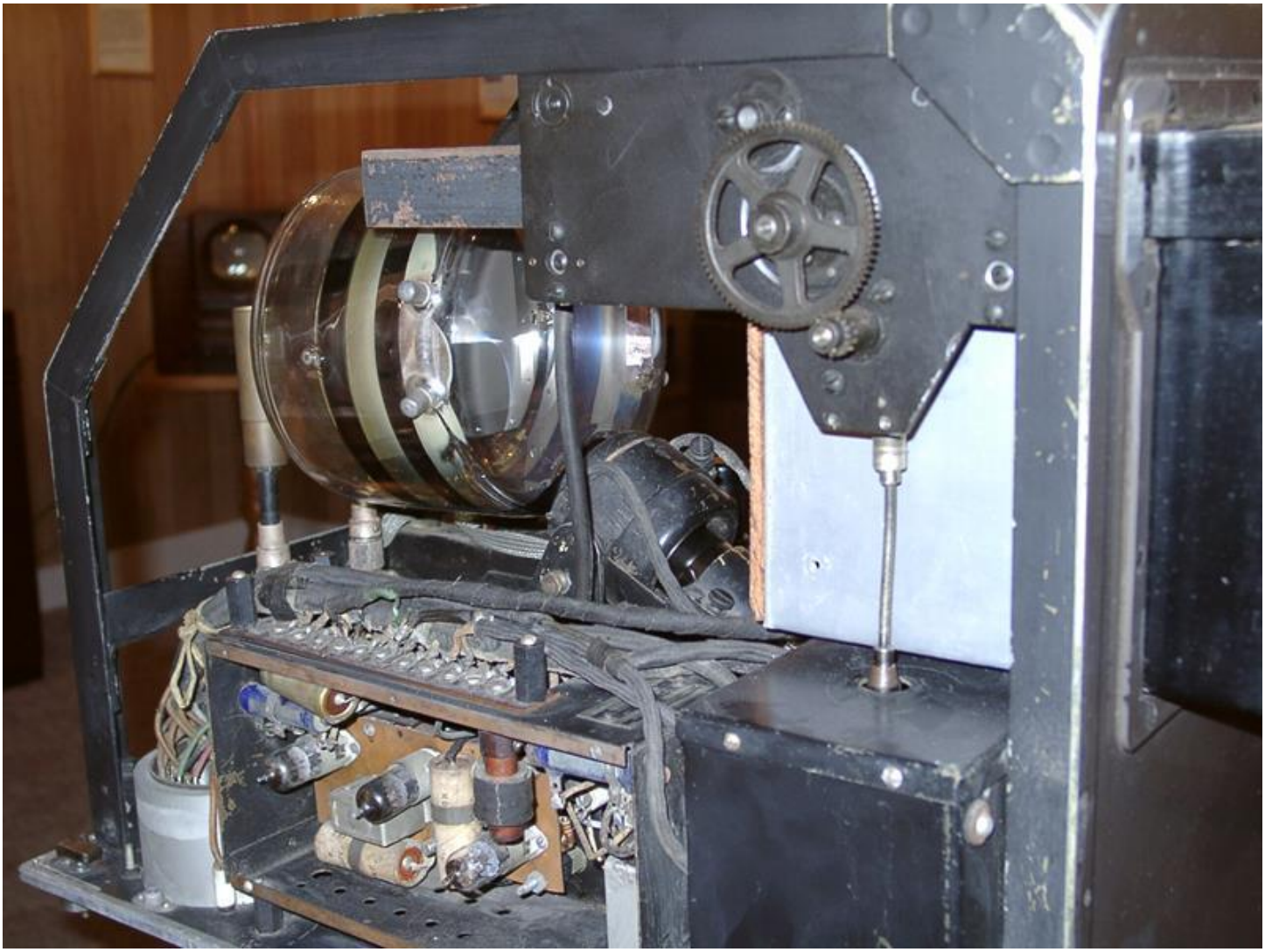

It Works!



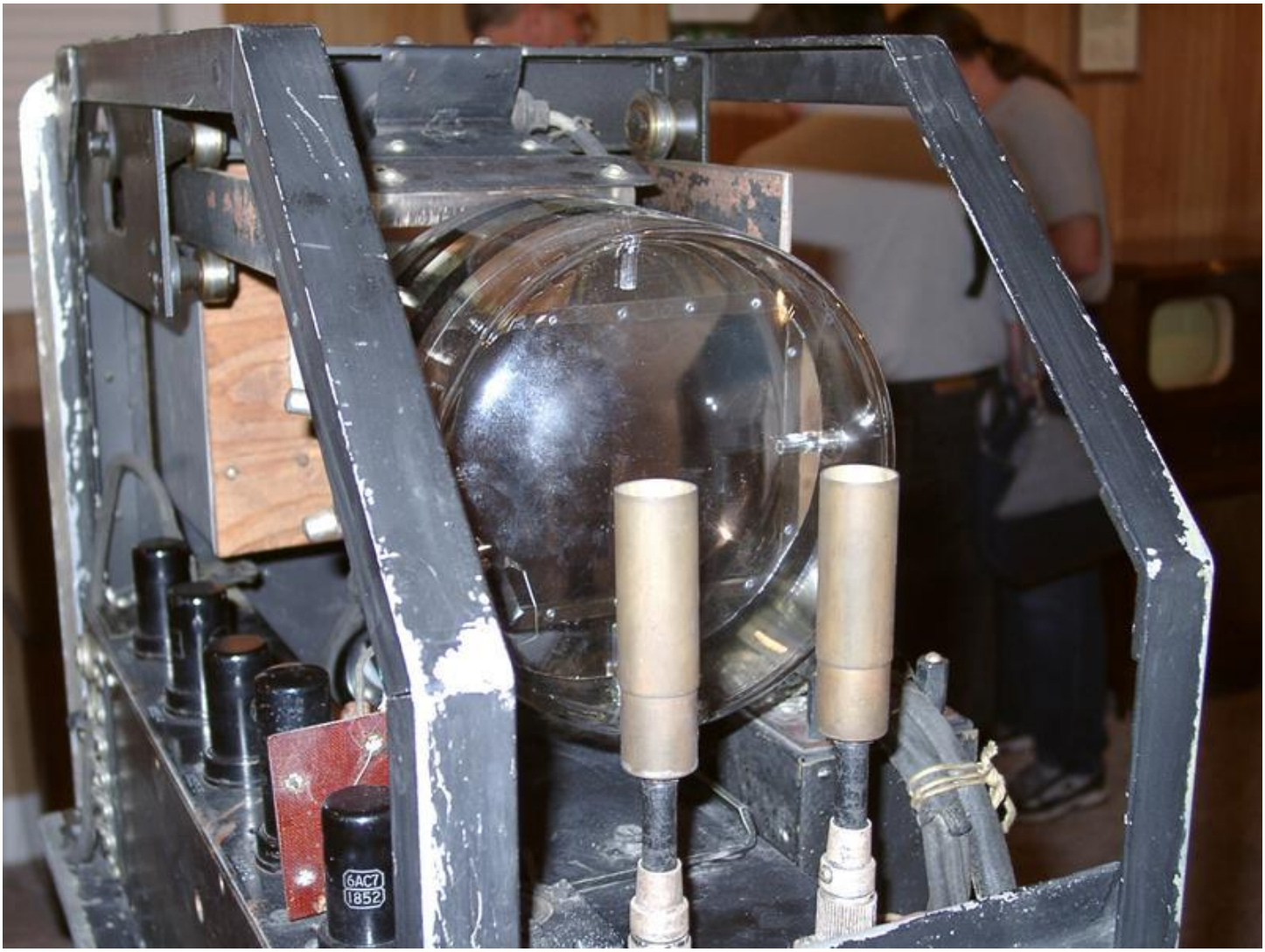

RCA Phototube


1939
RCA
ICONOSCOPE
TELEVISION CAMERA
TYPE: 500A
MODEL: MI-21081-A
SERIAL # 1011


RCA NBC




SC
276
A
1852-5
1852-4


6AC7
1852

assisted with four powerful spotlights, sun reflectors, etc.
see a microphone for sound and a television camera for

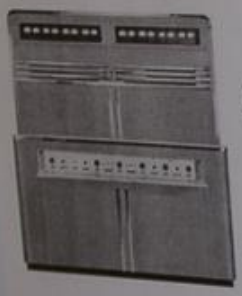
In front of the Yacht People Stood in Line to be Televised by NBC's Telemobile Units. A signal was sent via the "Telemobile" (RCA/NBC mobile Television van) to the Empire State transmitter and rebroadcast to the television sets at the fair.

TELEVISION IS HERE

NBC's EXPERIENCE with

by ROBERT E. SHELBY & HAROLD
Development Engineering
National Broadcasting

TELEVISION IS HERE



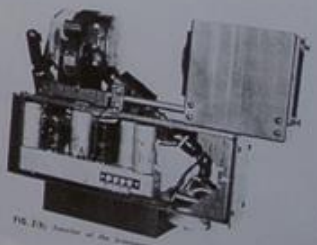
NBC's EXPERIENCE with PORTABLE TELEVISION EQUIPMENT

by ROBERT E. SHELBY & HAROLD P. SEE
Development Engineering Section
National Broadcasting Company

Editor's Note: The last issue (Vol. No. 10) of BROADCAST NEWS featured an article by Henry Khen describing in some detail the RCA Portable Television Pickup Equipment. In this second article of our series on television remotes, Mr. Shelby and Mr. See describe the experience of NBC's technical staff in using this equipment—as well as their experience with earlier type equipment which led up to the design of the present ambulatory camera type units. In a third article, which will appear in a forthcoming issue of BROADCAST NEWS, we hope to present a discussion of the programming ideas which have evolved from NBC's work in this field.

The recent announcement of tentative plans for a coaxial cable from coast-to-coast is indicative of the planning in all allied fields to bring about a great new television broadcasting industry. This schedule envisages a series of national coaxial cables linking a substantial portion of the east coast, some inter-city connections in the central part of the country, the completion of a southern transcontinental coastal cable route, and extensive linkage of other cities within a reasonable period following the end of the war.

In the meantime, the development of the local television market and the creation of an established local television audience, must take precedence in the plans of a majority of potential station operators over eventual participation in a television network service. It is essential that local development proceed toward the goal of providing interesting programs within the allowable cost framework. Fortunately, a wealth of television program material exists in most of these communities which will have an early place in the establishment of a television broadcasting industry. While a considerable portion of the program material now



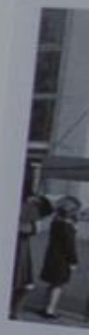
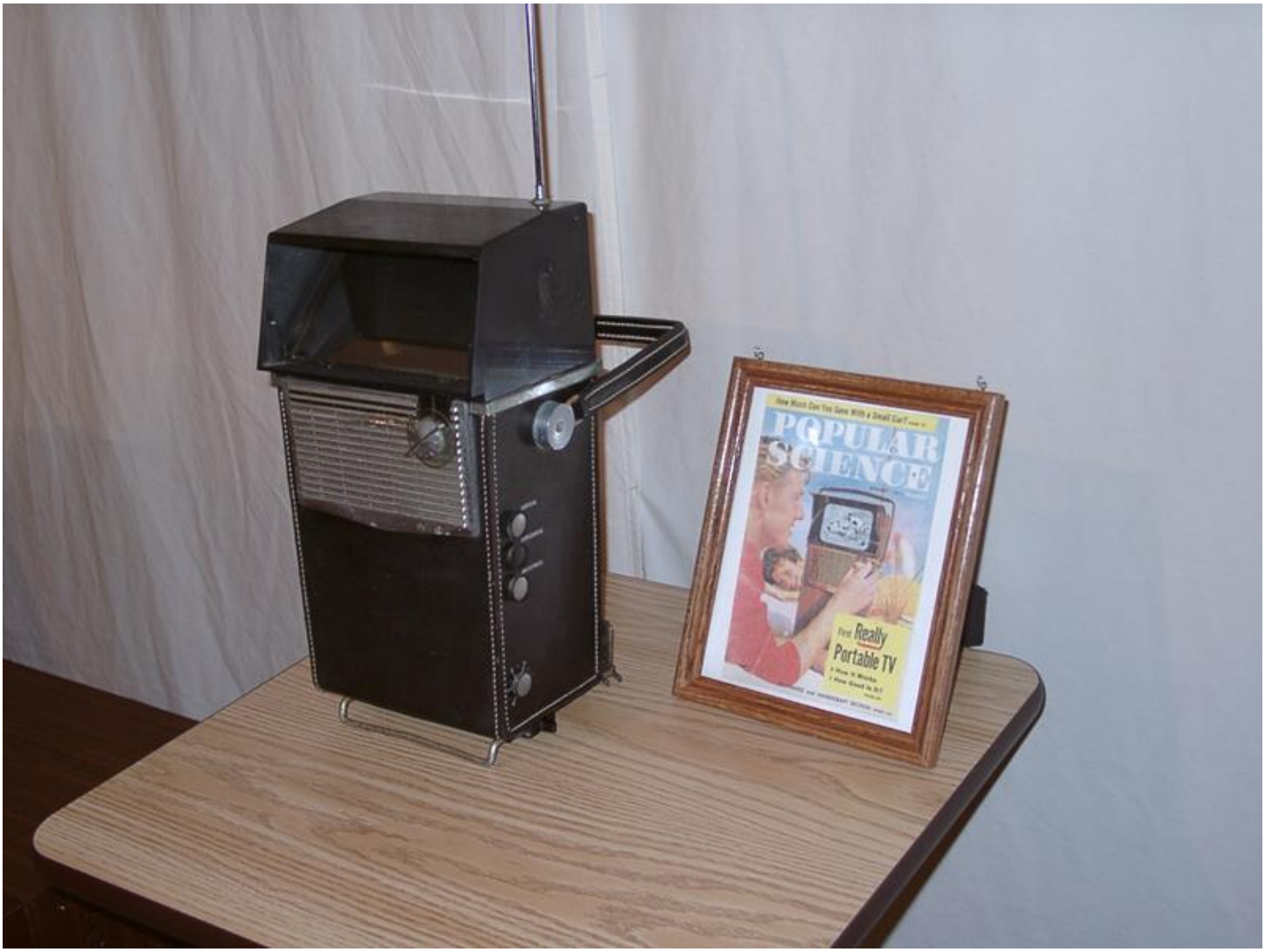


Fig. 10.1.—Photograph and Diagram of an Iconoscope.

BY & HAROLD P. SEE
Engineering Section
roadcasting Company

This shows the same general view as number one, but shows men arranging scenery before the television shot was being taken.


1945-48
American Sets


POPULAR SCIENCE
First Really Portable TV


TELEVISION
1949-51
American Sets


1946-52
European Sets


Open before Christmas!
UP
UP
UP
UP
there's so much
going on in
NBC BIG COLOR TV
... every night!
TELEVISION


TC-5
THIS IS THE LOOK OF
Compatible Colors to wear by ARROW...
COMPATIBLE COLOR
Compatible Colors to see by RCA VICTOR
RCA VICTOR


motorola
BIG 17
motorola
BIG 17
ColorTV


Dage 850 Monitor

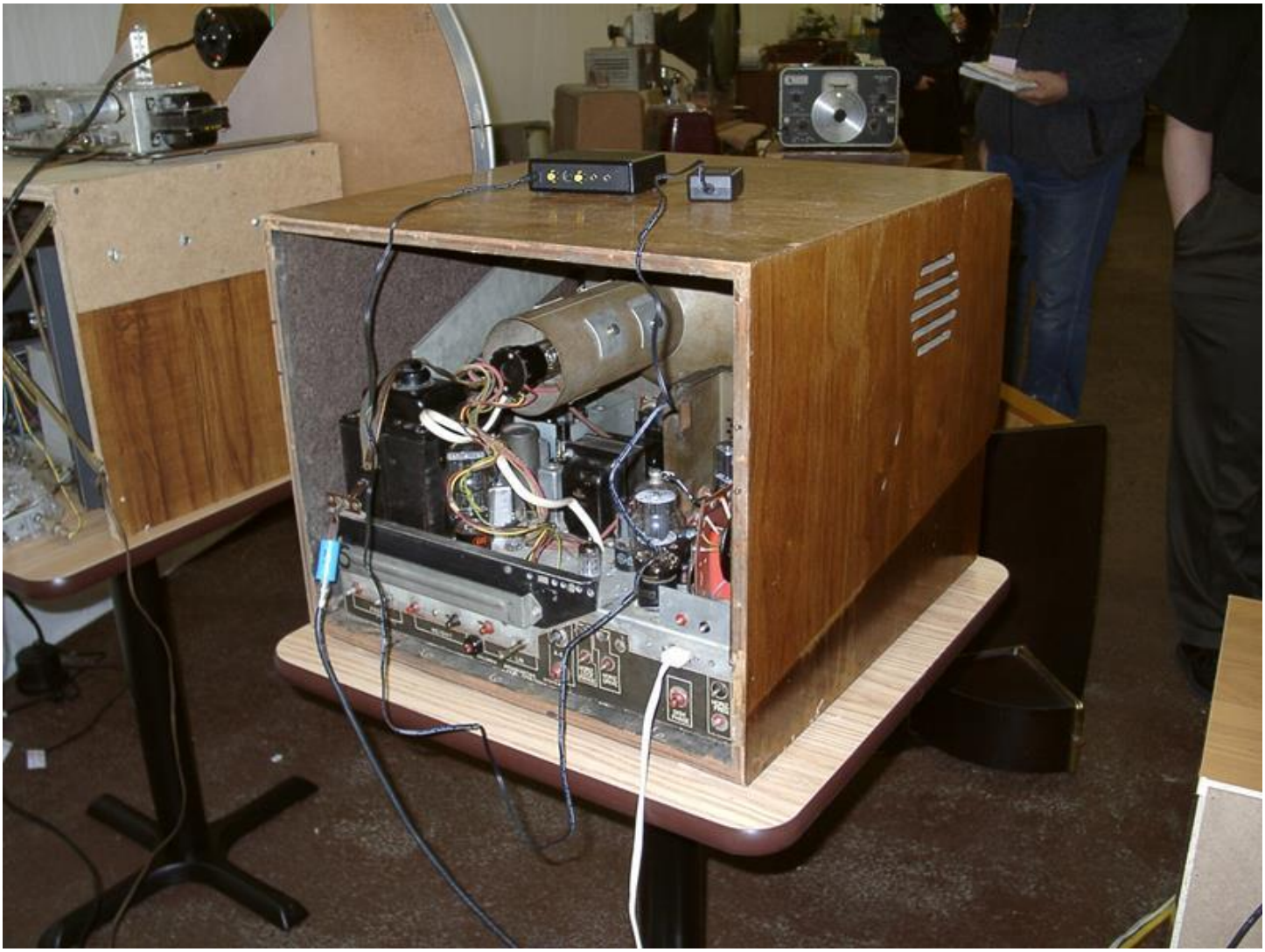

20BP4


Image Dissector
SR20 Image Orthicon


ted to
postmaster-
he present
of High
Television.
t of January


TELEVISION
CHICAGO
Sharp Stack


GENERAL ELECTRIC
Television




RCA
RCA
GE


THORDARSON
GONNELLA
SINCE 1854


WTIP
EXPERIMENTAL TELEVISION
KA2XAF — W8XGZ


PHILCO


Philco Tandem
Predicta
POPULAR
SCIENCE


TELEVISION
A LOOK AT FUTURE OF COLOR RECEPTION


WESTINGHOUSE IS FIRST...TO BRING YOU FULL RANGE
COLOR TV
YOU CAN BE SURE...IF IT'S Westinghouse

be the first in your area to own the miracle

of Big Screen **Motorola** *Color* **TV**

With Motorola you enjoy all the wonderful new color programs at their best.
Because only Motorola Color TV has all these pace-setting features . . .

BIG 303 SQ. IN. PICTURE

NEW COLOR "SUPER-CHARGER"

NEW "COLOR SYNCHRONIZER"

NEW "POWER-DRIVE" COLOR CHASSIS WITH SIMPLIFIED CIRCUITS

NEW "ROSCOE" POLYCHROMATIC TUNER

NEW "COLOR CLARITY GUARD"

. . . and every Motorola Color Picture Tube carries a full year's warranty!


FinePix


15GP22
19VP22
CONTRAST
BRILLIANCE


Zantac


elevision Convention

COLOR TV SERVICE MANUAL
RCA
Arcade Video Games
ADDITIONAL
1965
Telephone
1960


Cincinnati Antique
Radio Society
Antique Radio Sale
Auctions & Raffle
Saturday, June 19th
Free Admission
Vendors... Free Set-up
OCRT


TELEVISION


TELEVISION


TELEVISION


TELEVISION
and YOU


Early Television Convention


GLASS
CATHODE-RAY TUBE
RCA
15GP22


LANGUAGE SELECT
ENGLISH [ON]
ESPAÑOL


LANGUAGE SELECT
ENGLISH
ESPAÑOL


CAMERA


Early Television


Early Television Convention


Early Television Convention


Early Televisio


NOW HERE···1940
RCA Victor RADIO


RCA VICTOR
TELEVISION
ATTACHMENT

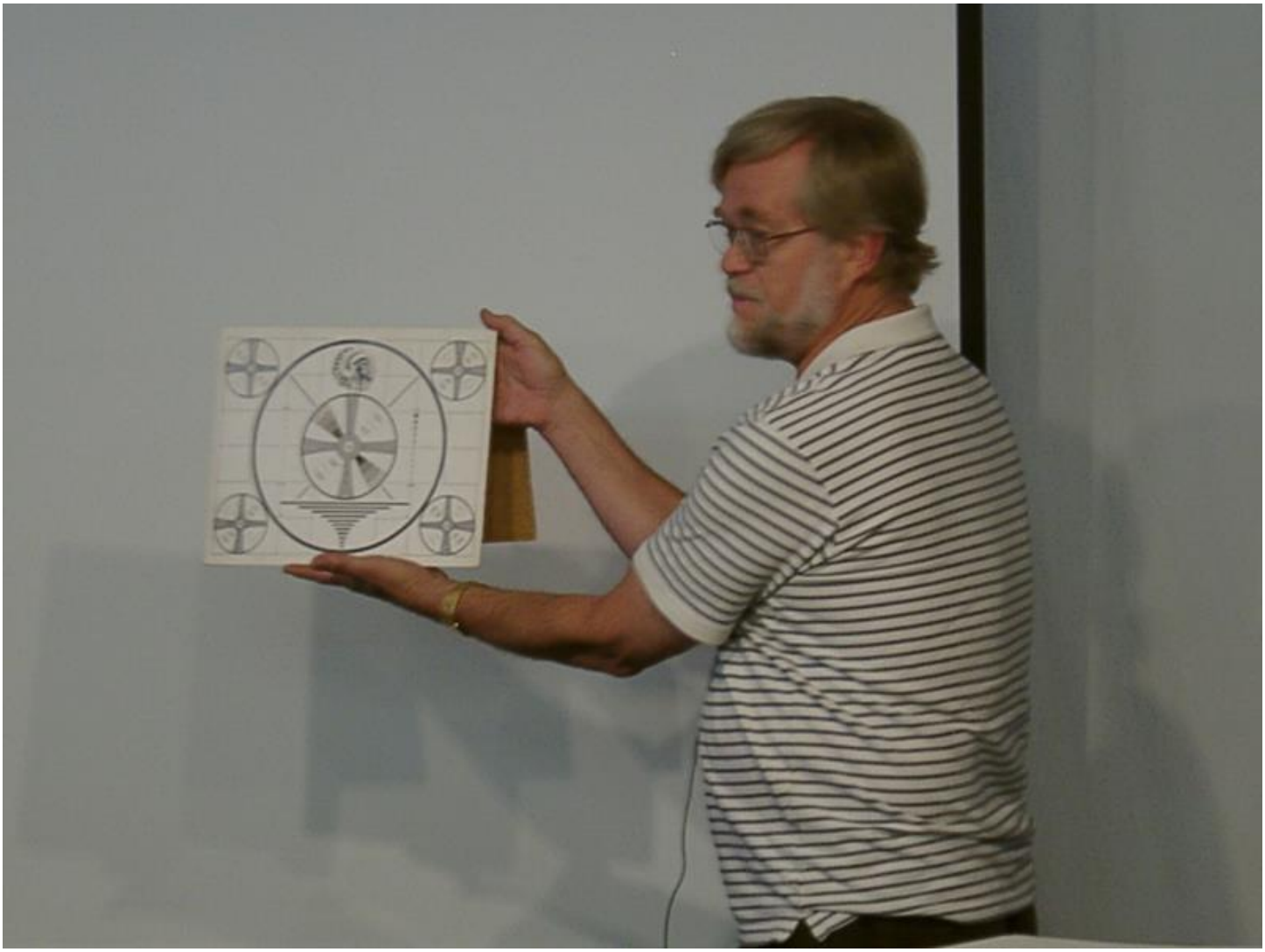

Early Television Conventi
RADIO, RECORDS AND


Early Television Conventio
RADIO, RECORDS AND


RCA Victor
TELEVISION
ATTACHMENT
LOOK
AHEAD!
RCA Victor Radios designed for use with Television-Radio-Records


RCA Victor
TELEVISION
ATTACHMENT
LOOK
AHEAD!
RCA Victor Radios designed for use with Television-Radio-Records


onvention




TELEVISION


Wizard of Oz
PLAY MOVIE
KANSAS
MOVIE FEATURES MENU
FOLLOW THE YELLOW BRICK ROAD TO OZ
SPECIAL FEATURES MENU


THE WIZARD OF OZ
PLAY MOVIE
GO HOME TO KANSAS
MOVIE FEATURES MENU
FOLLOW THE ROAD TO OZ
SPECIAL FEATURES MENU


PLAY MOVIE
GO HOME TO
KANSAS
MOVIE FEATURES
MENU
FOLLOW THE
ROAD TO
OZ
SPECIAL FEATURES
MENU
OZ


THE WIZARD OF OZ
PLAY MOVIE
GO HOME TO KANSAS
MOVIE FEATURES MENU
FOLLOW THE ROAD TO OZ
SPECIAL FEATURES MENU


COX

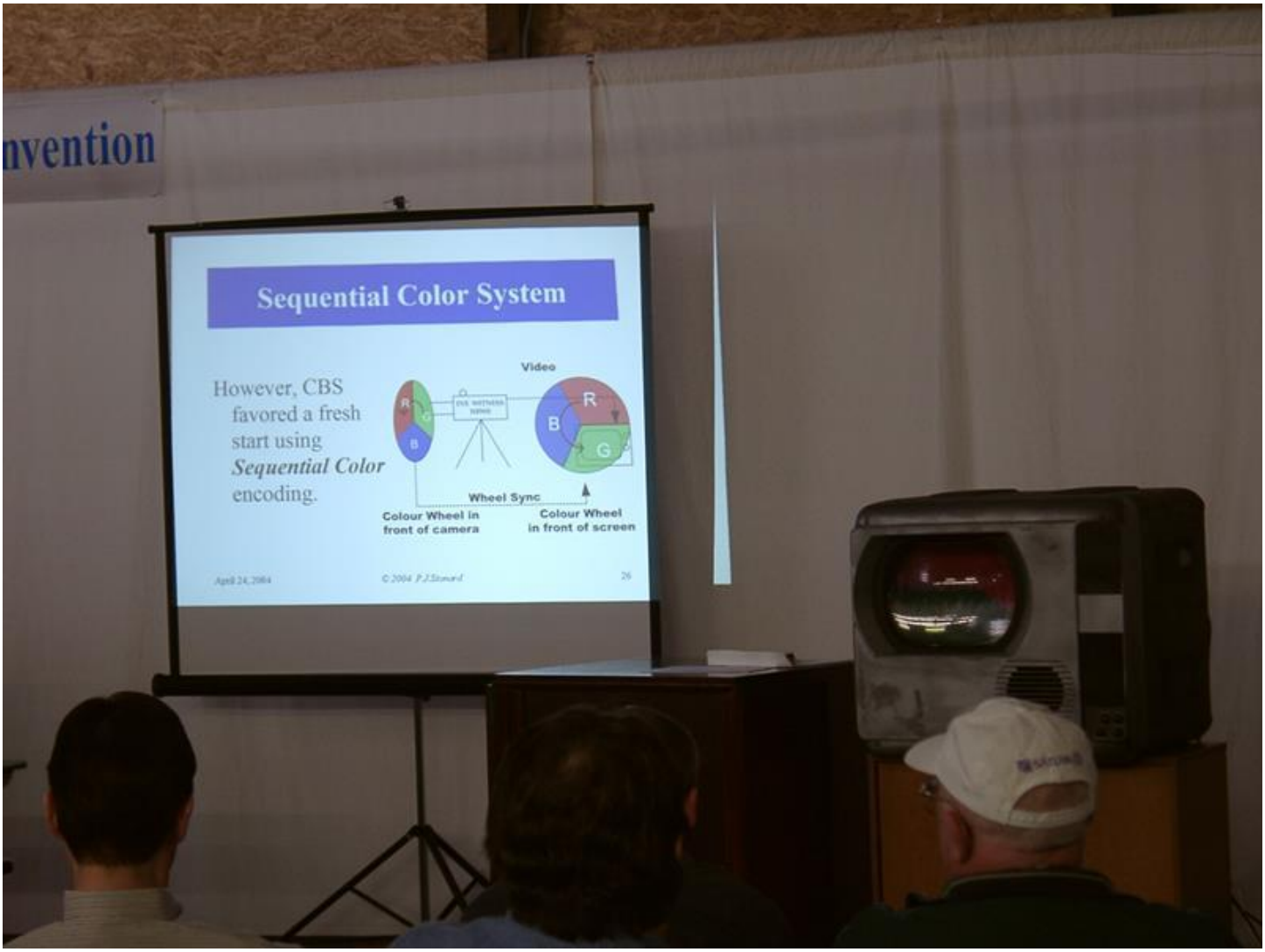

cox


Convention

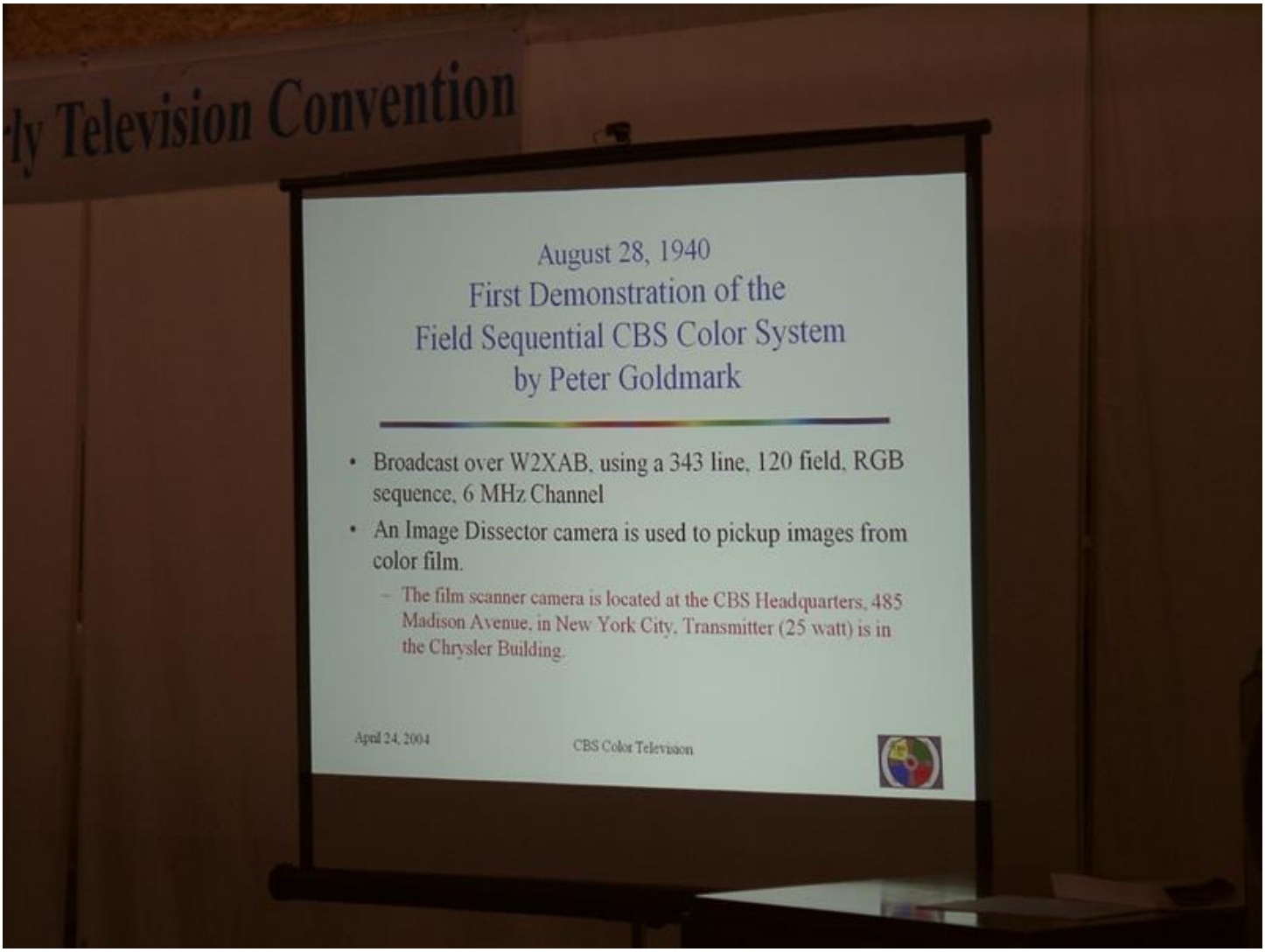

DAVEN
TELEVISION LAMP

Raytheon
LONG LIFE RADIO TUBE
King-Lamp
for
Television
Raytheon
LONG LIFE RADIO TUBE


Early Television Convention
Sequential Color System


nvention
Sequential Color System
However, CBS favored a fresh start using *Sequential Color* encoding.
Video
R
G
B
Wheel Sync
Colour Wheel in front of camera
Colour Wheel in front of screen
April 24, 2004
© 2004 P.J.Stenard
26


Early Television Convention
History of the
CBS COLOR TELEVISION SYSTEM

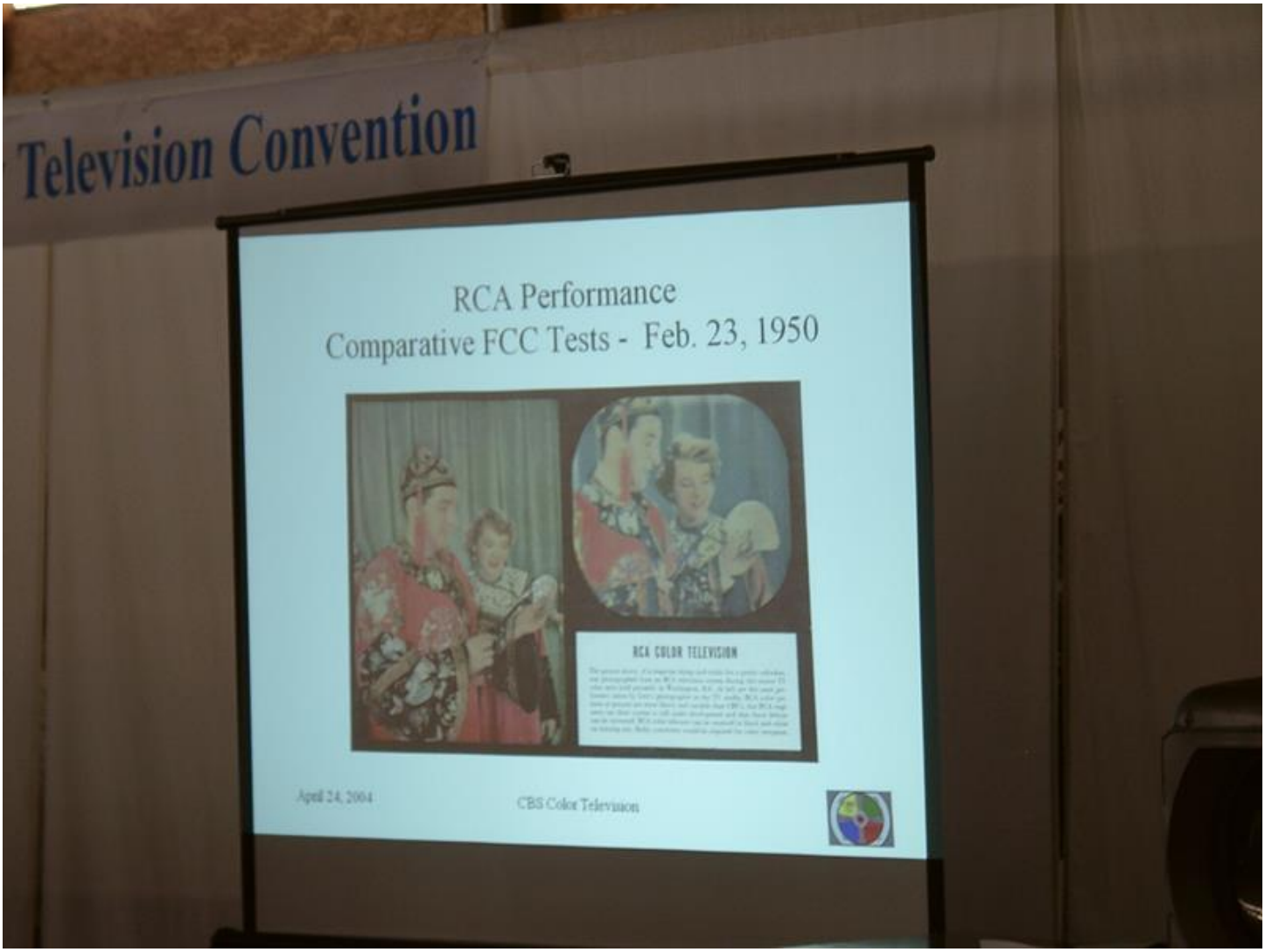

ly Television Convention
August 28, 1940
First Demonstration of the
Field Sequential CBS Color System
by Peter Goldmark
• Broadcast over W2XAB, using a 343 line, 120 field, RGB sequence, 6 MHz Channel
• An Image Dissector camera is used to pickup images from color film.
– The film scanner camera is located at the CBS Headquarters, 485 Madison Avenue, in New York City. Transmitter (25 watt) is in the Chrysler Building.
April 24, 2004
CBS Color Television


y Television Convention
September 4, 1940
Demonstration to Technical Press
as reported in "Electronics"
A modified commercial 9-inch set (RCA TRK-9) is the receiver
The broadcast carried a brief travelogue. Viewers described the pictures transmitted as "startlingly clear and vivid in color of landscapes, flower gardens, and native costumes."
April 24, 2004
CBS Color Television


rly Television Convention
December 2, 1940
First live studio pickup broadcast of CBS Color
April 24, 2004
CBS Color Television


arly Television Convention
September 1941
Comparison of "Live" versus CBS Color
April 24, 2004
CBS Color Television


ly Television Convention
CBS Performance
Comparative FCC Tests - Feb. 23, 1950
CBS COLOR TELEVISION
April 24, 2004
CBS Color Television


Television Convention
RCA Performance
Comparative FCC Tests - Feb. 23, 1950
RCA COLOR TELEVISION
April 24, 2004
CBS Color Television

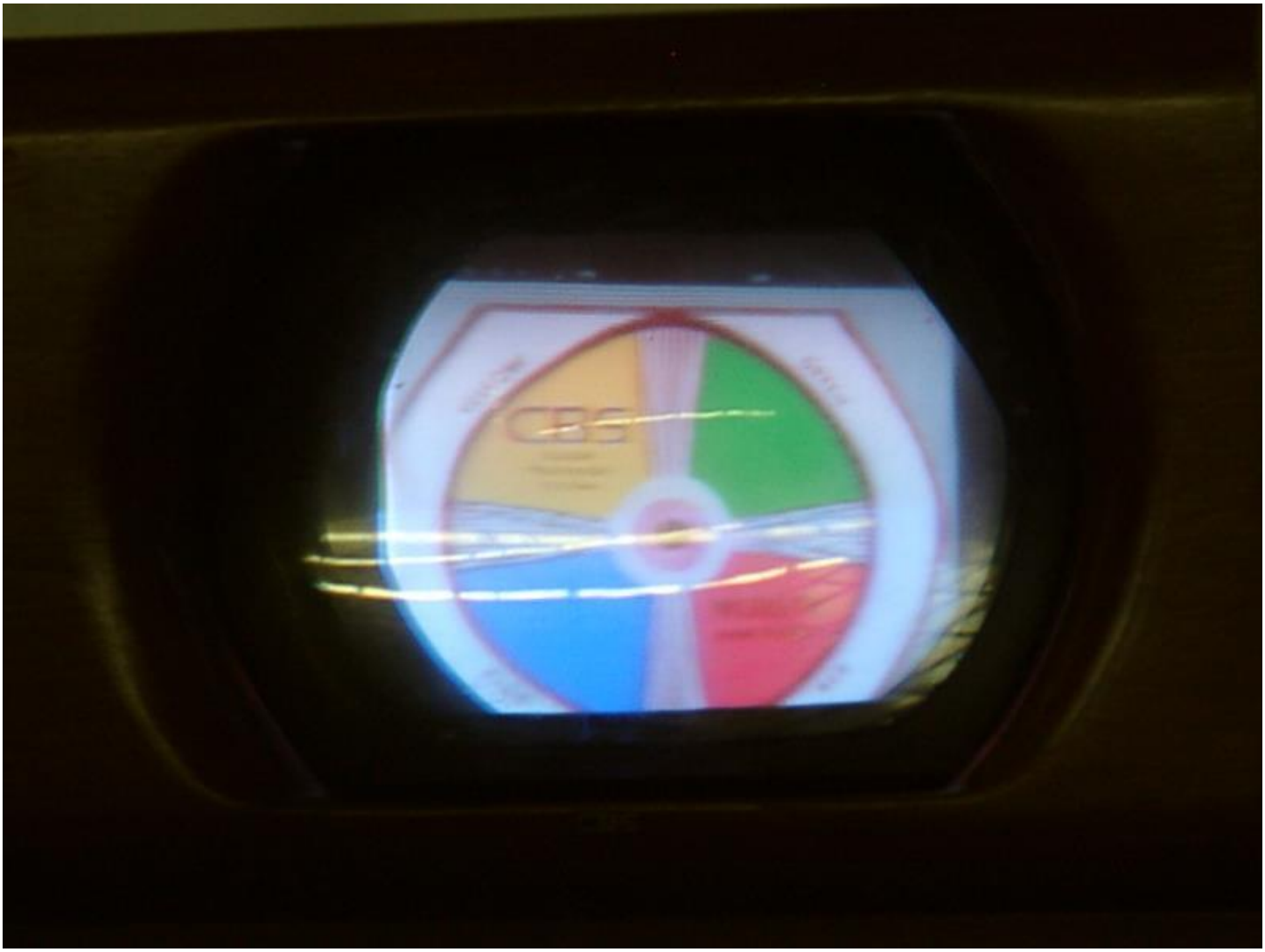

rly Television Convention
RCA Performance
Comparative FCC Tests - Feb. 23, 1950
RCA COLOR TELEVISION
April 24, 2004
CBS Color Television

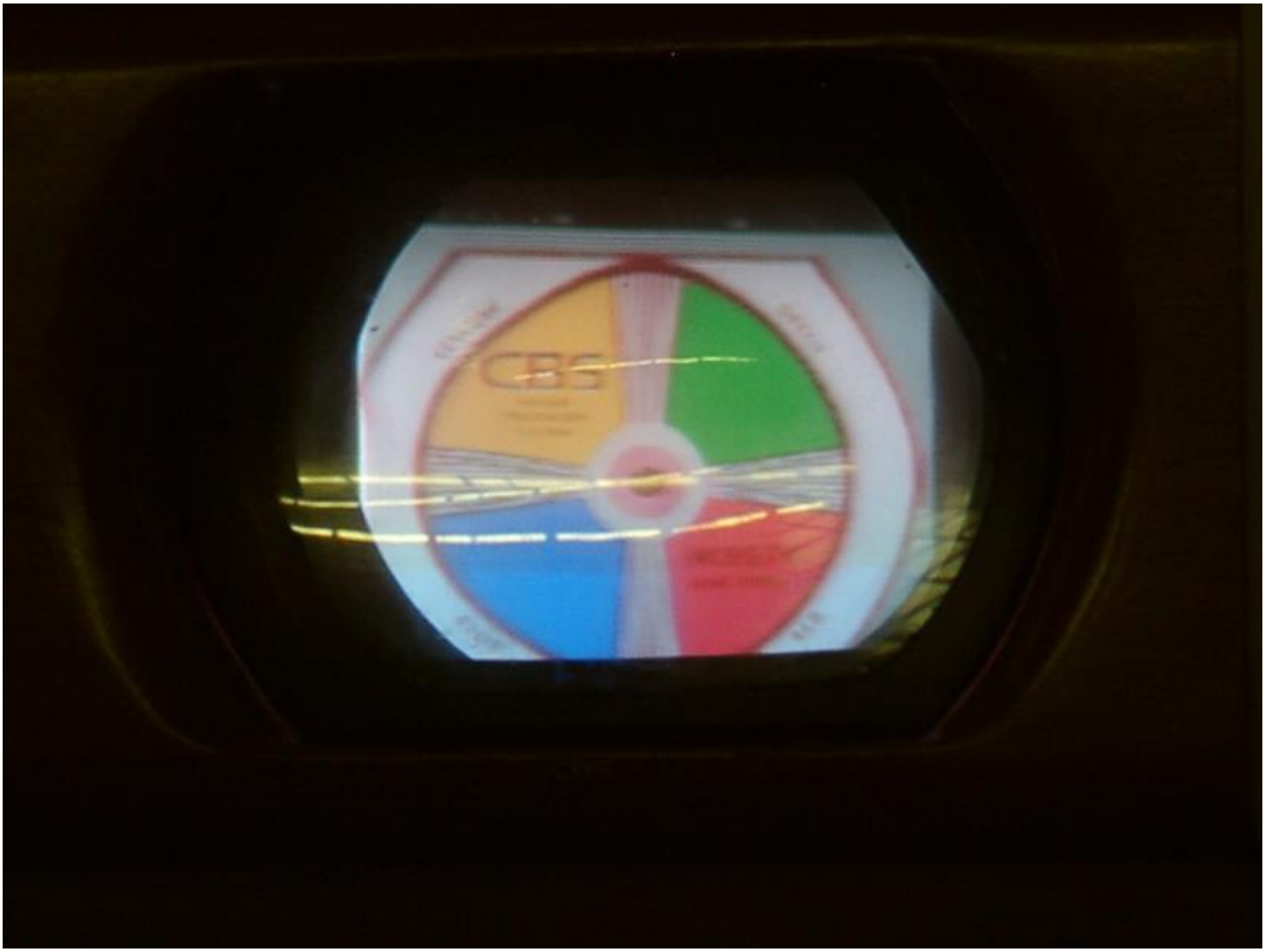

rly Television Convention
First commercial CBS Color Program - June 25, 1951
April 24, 2004
CBS Color Television


Television Convention
Sept. 20,1951
Production begins on the first (and only)
Commercial CBS Color Television Set
• CBS Columbia, Air-King, Model 12CC2
– 400 Produced, 300 shipped per CBS.
– 200 shipped, 100 sold per A.B. DuMont.
• Sept. 28, 1951
– First Advertisement for commercial CBS set being on sale by Davega and Gimbels Department Store for $499.95 in the N.Y. Times.
• Sept. 29, 1951
– Calif.-Penn. Football Game is colorcast --- reviewed a "disappointment" by Gould (N.Y. Times) because of viewing fatigue, motion color fringing, and color unbalance.
April 24, 2004
CBS Color Television

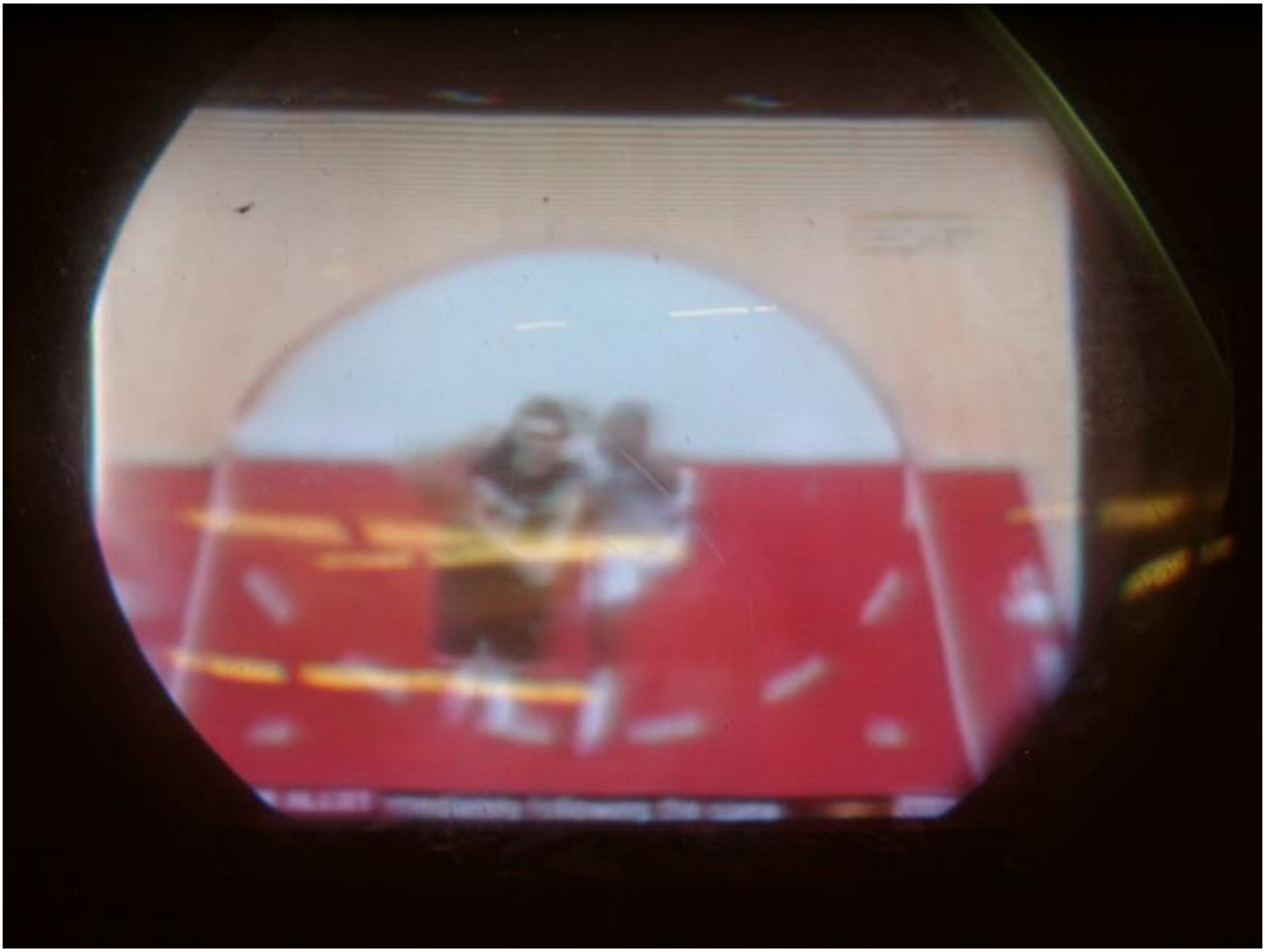

Early Television

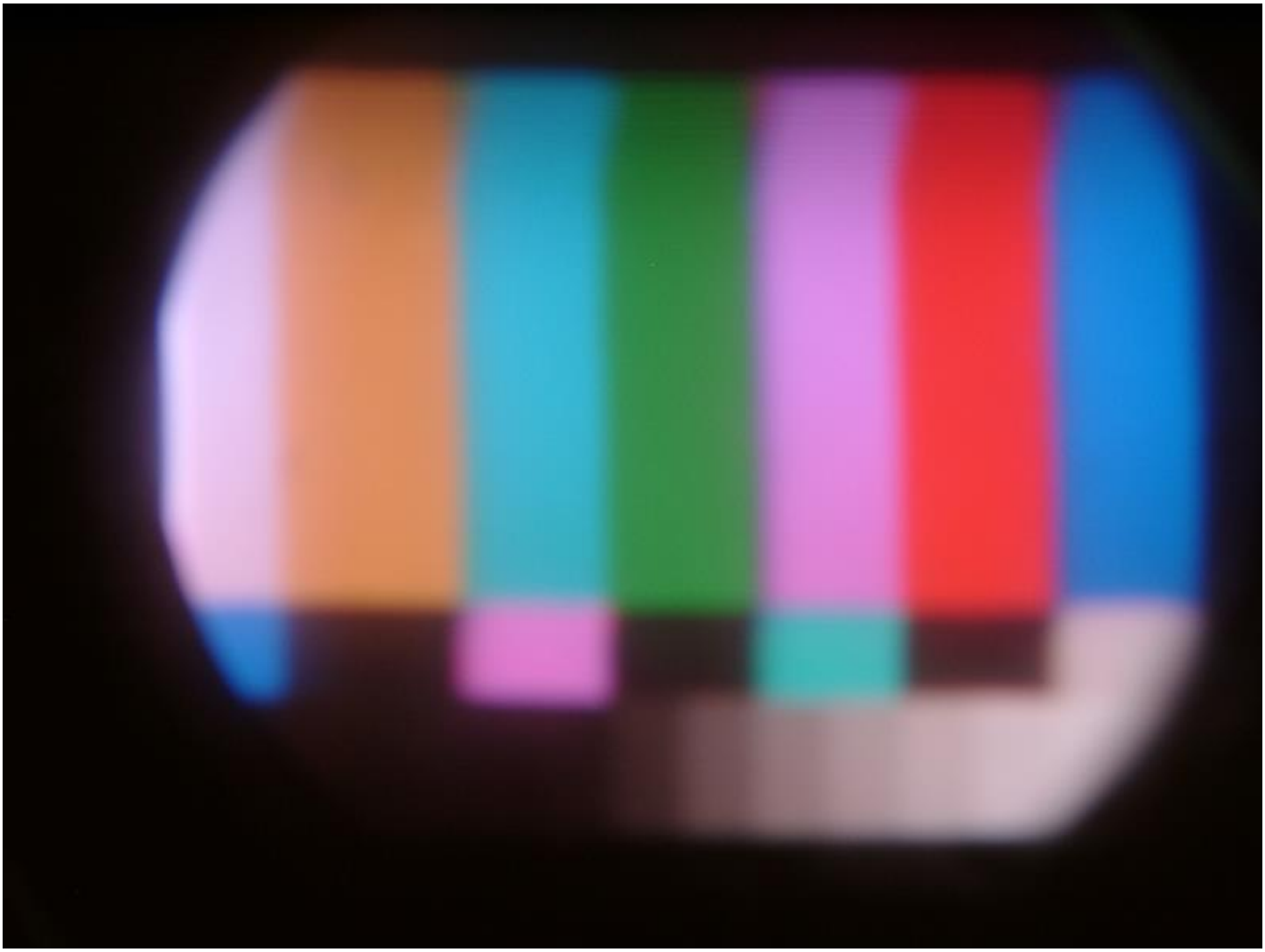

JEROME KERN
OSCAR HAMMERSTEIN II
Novel

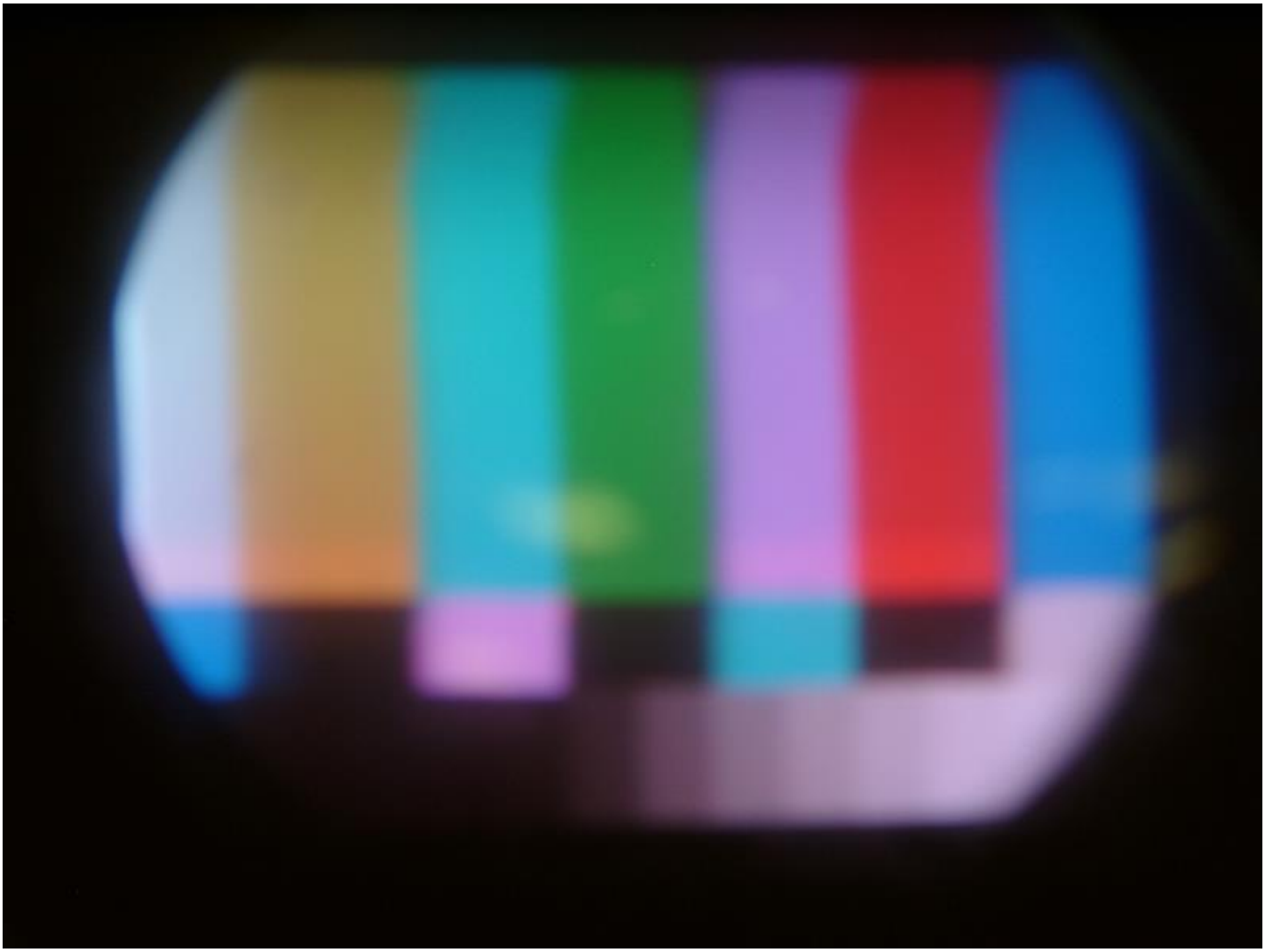

CBS

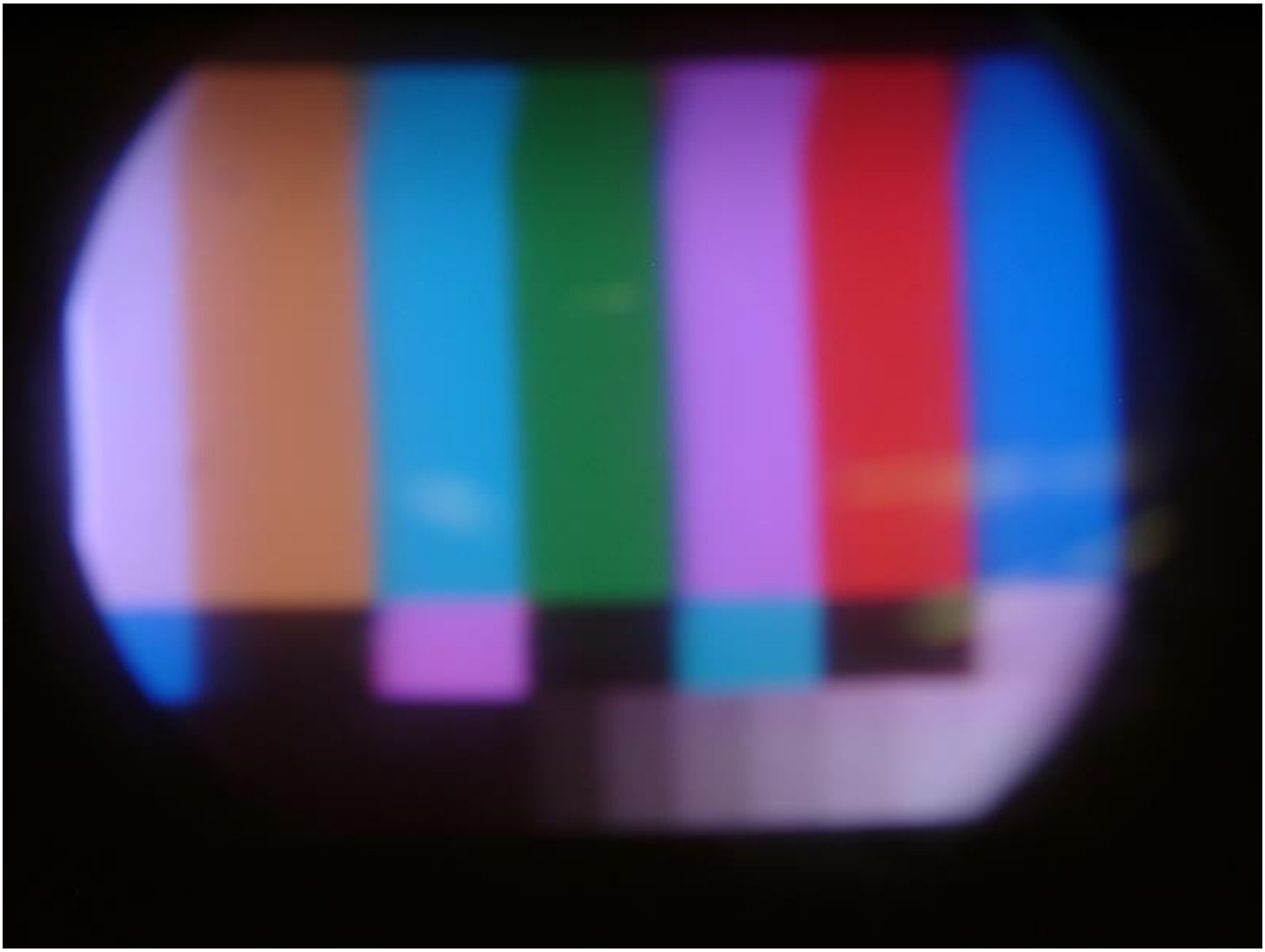

CBS

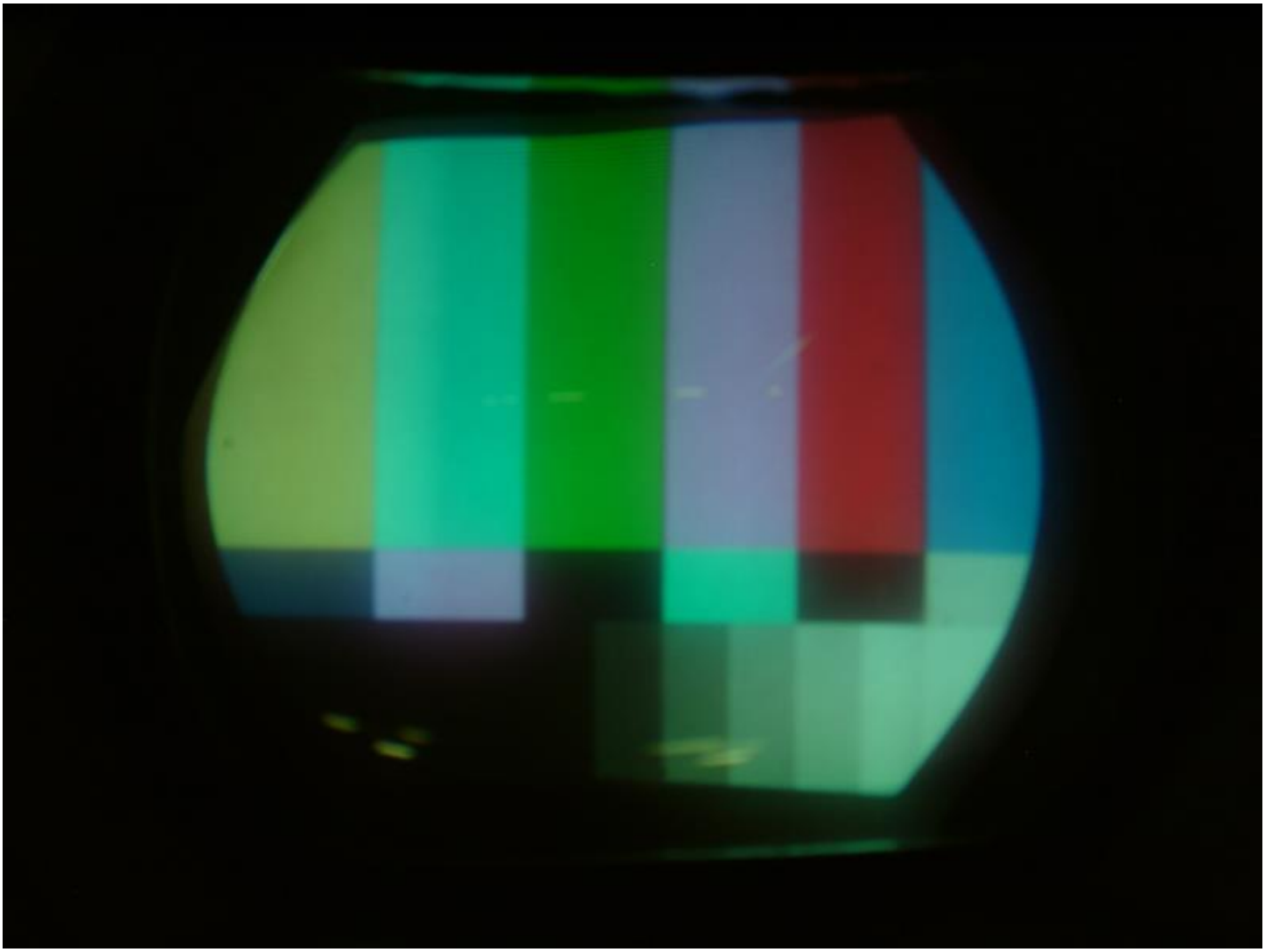

ROCKETS
DAL 61
HOU 41
9 54

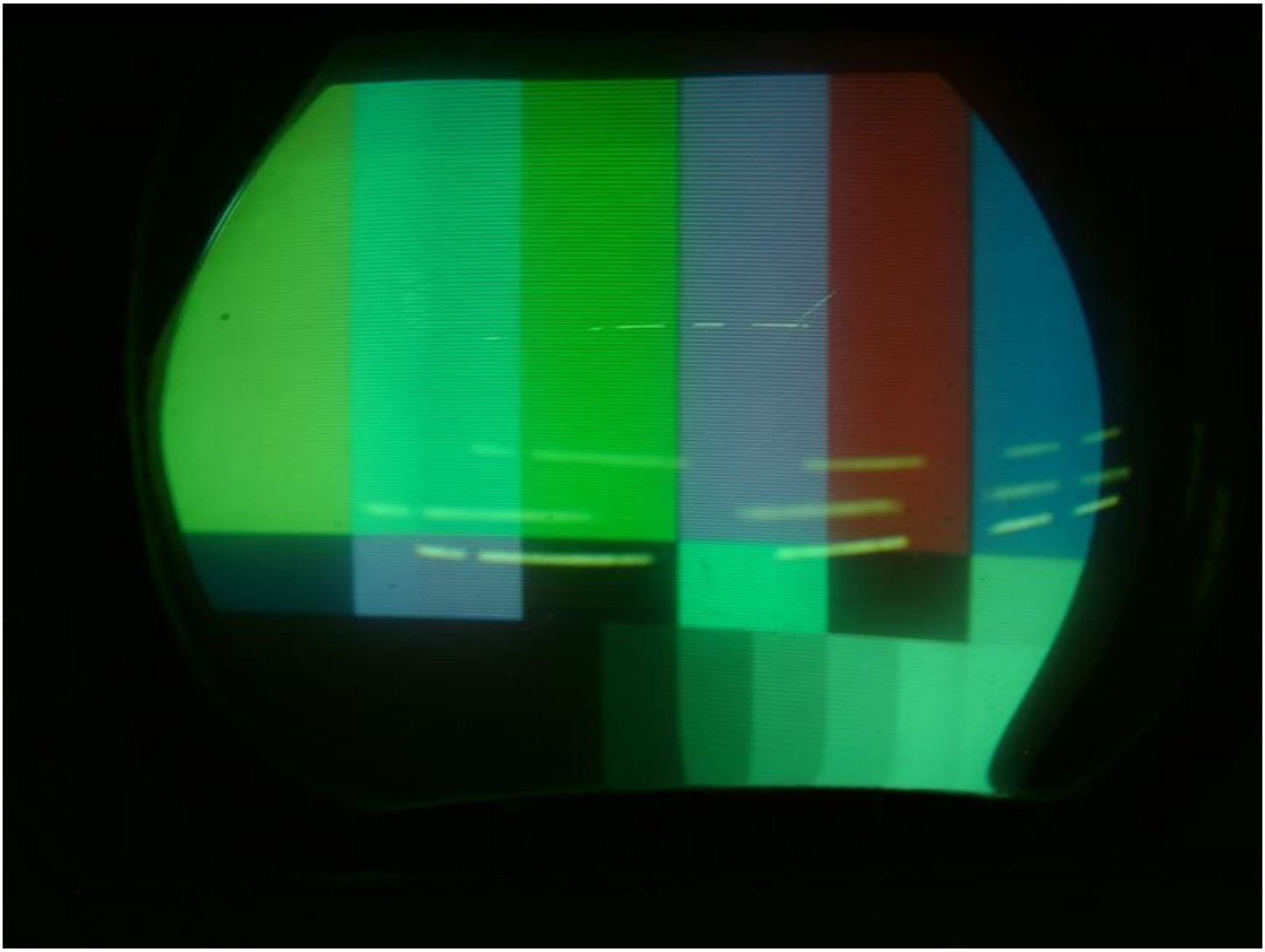


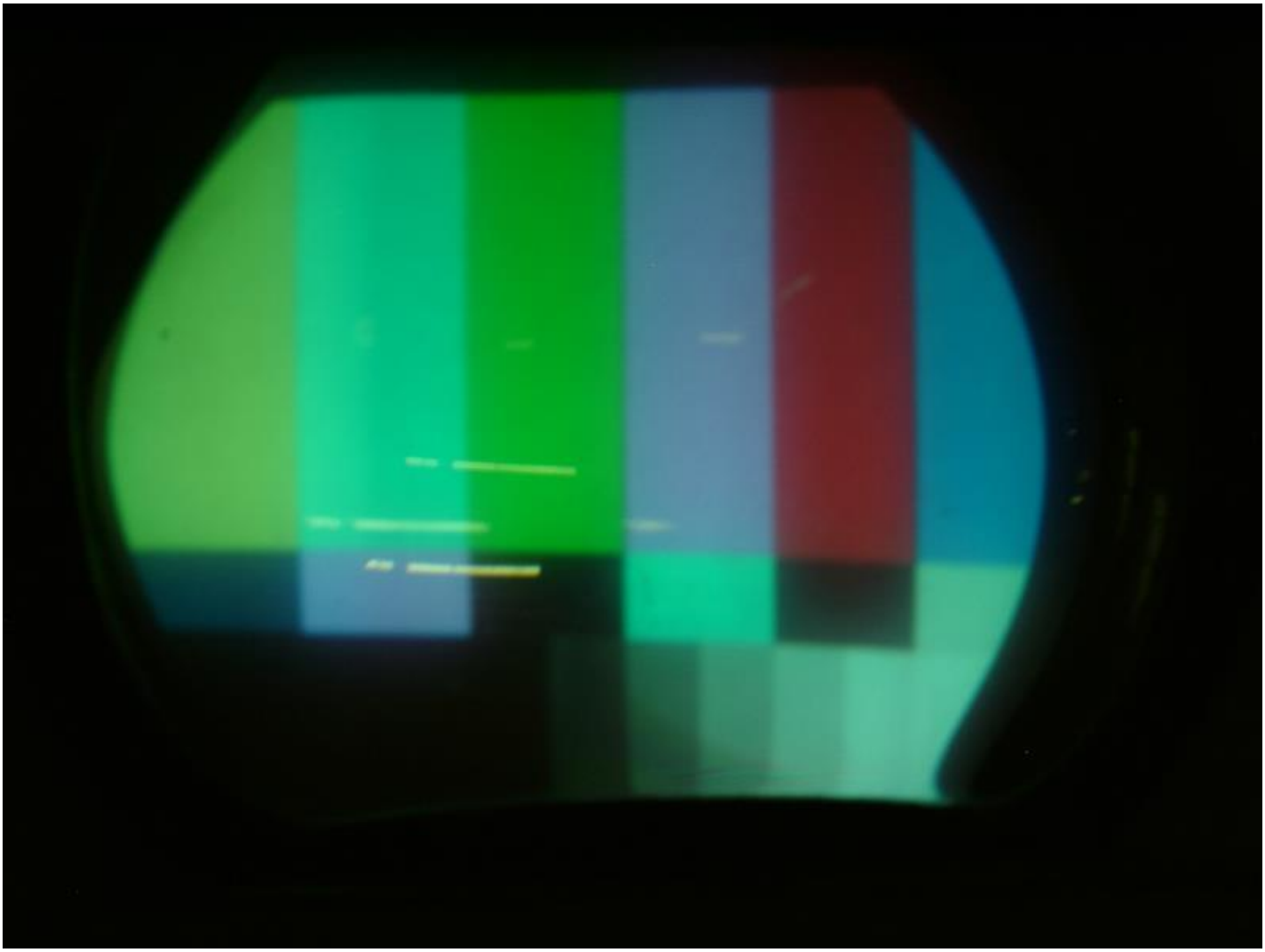


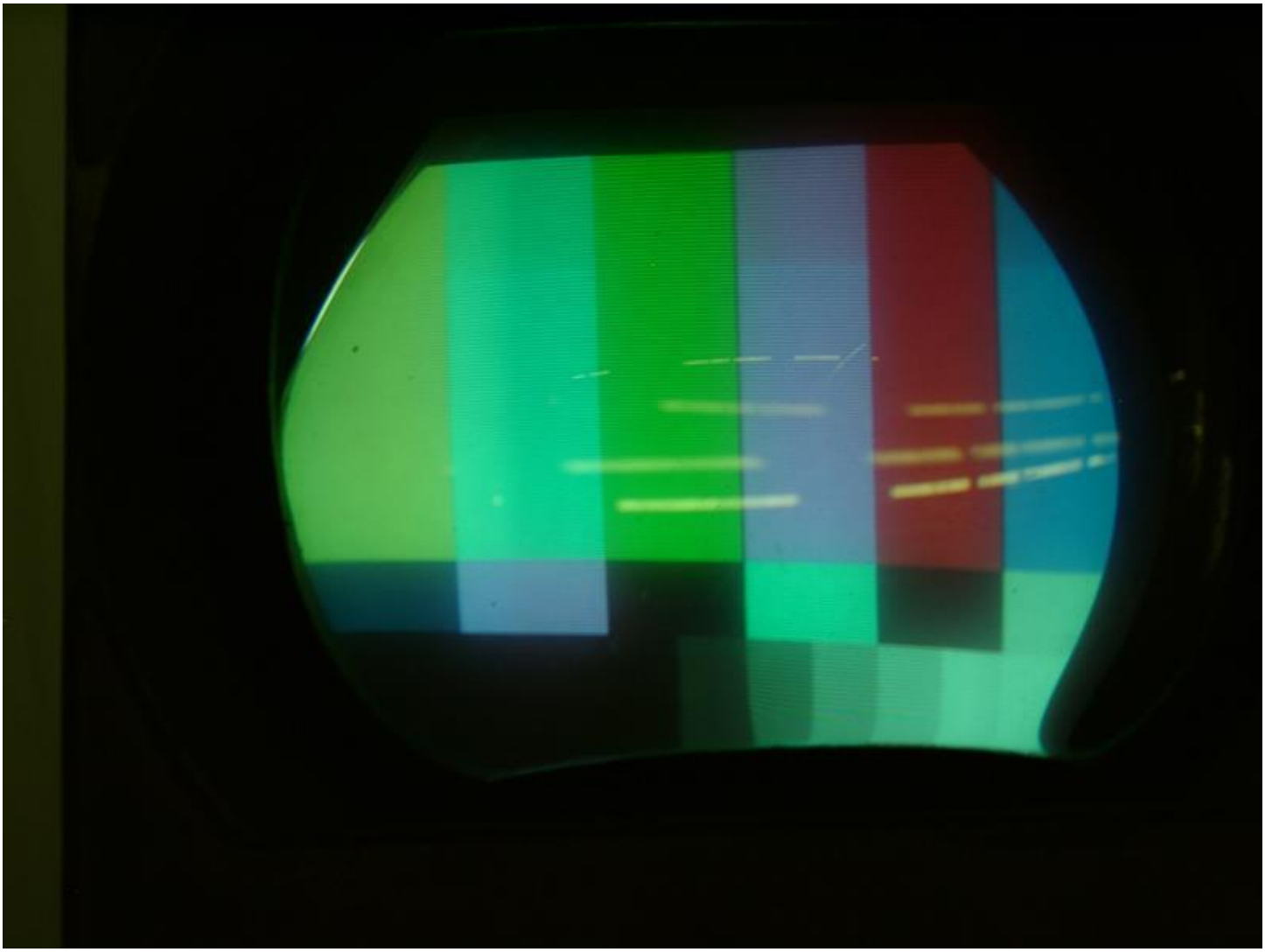


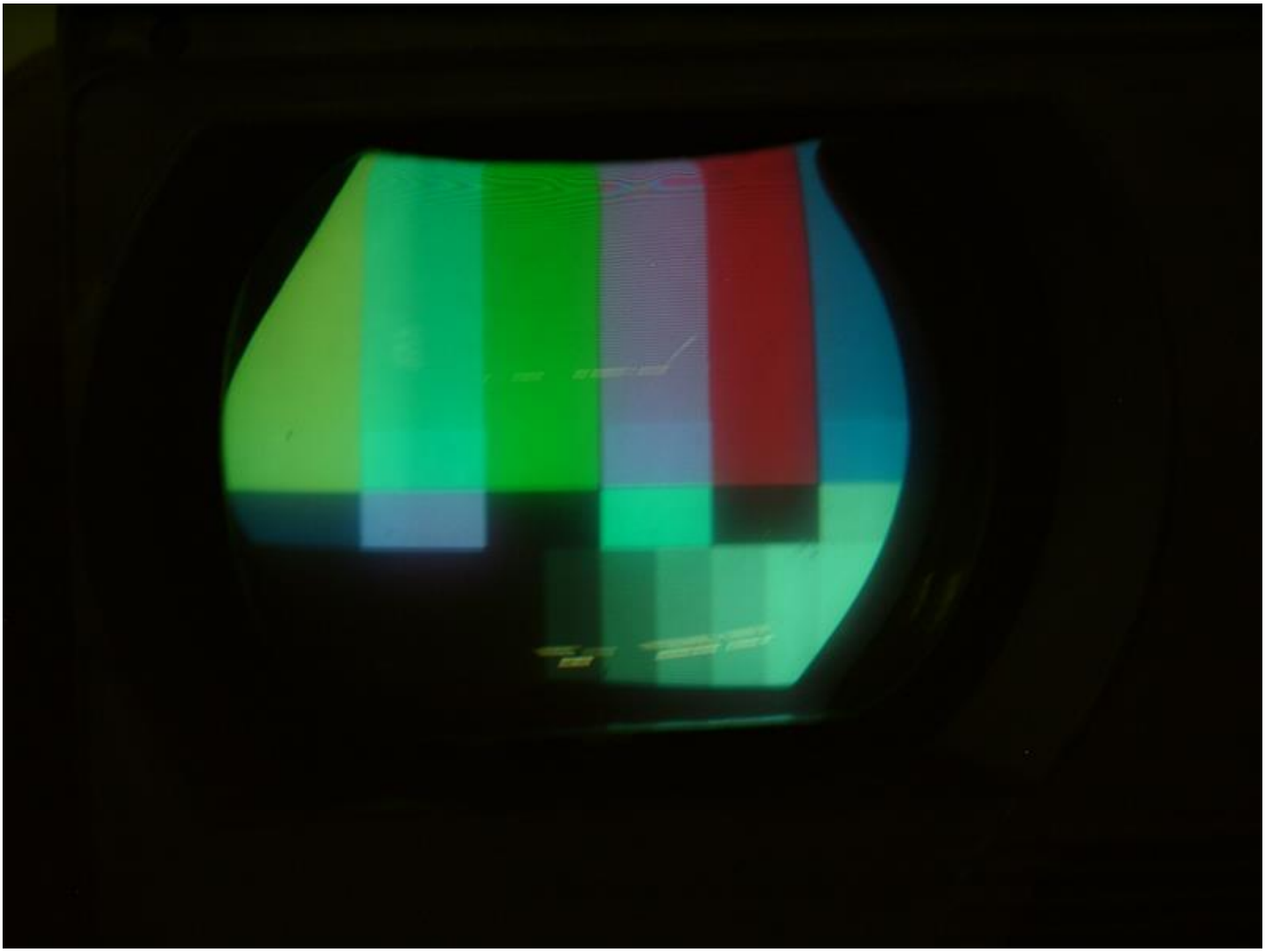


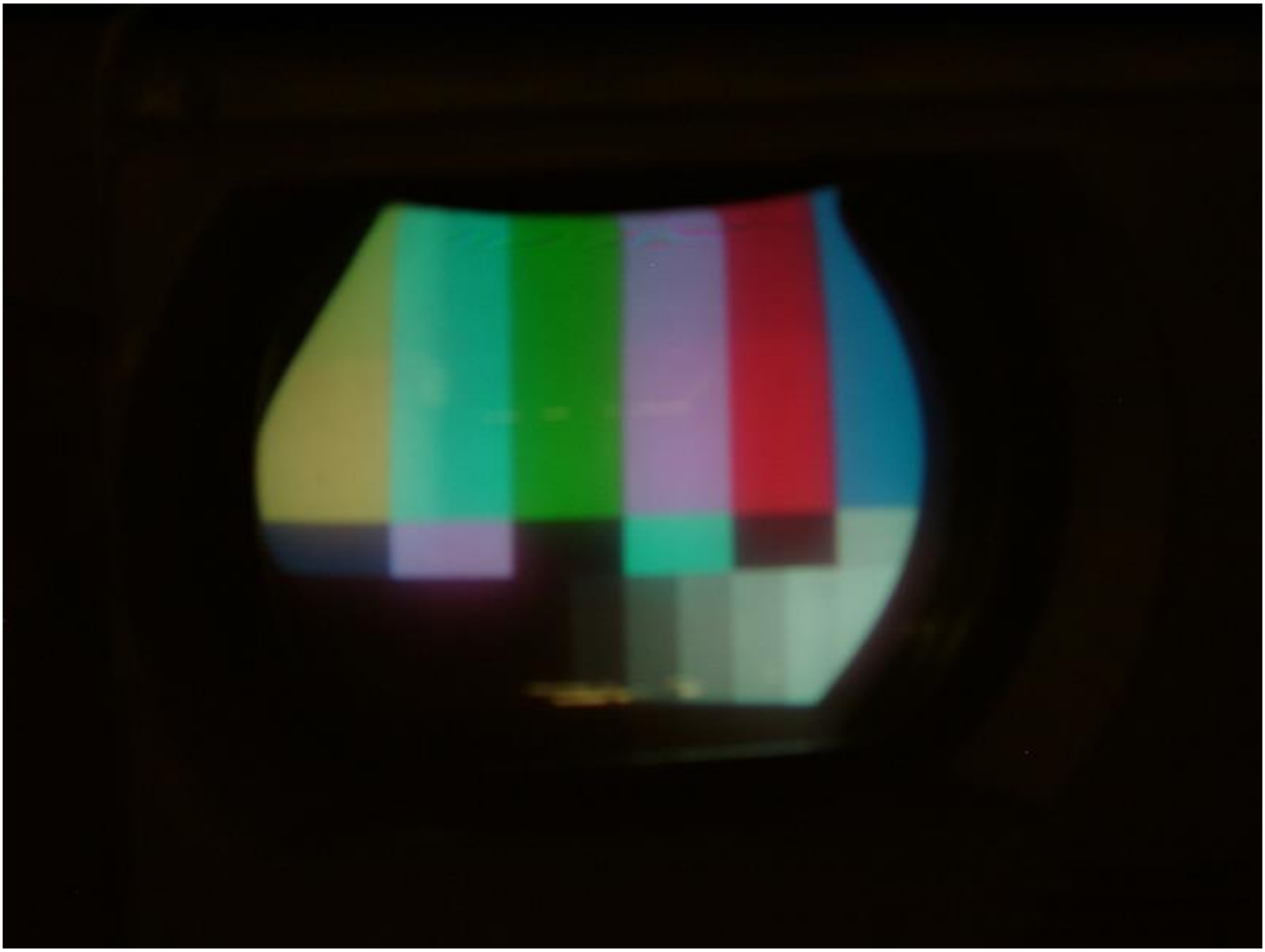




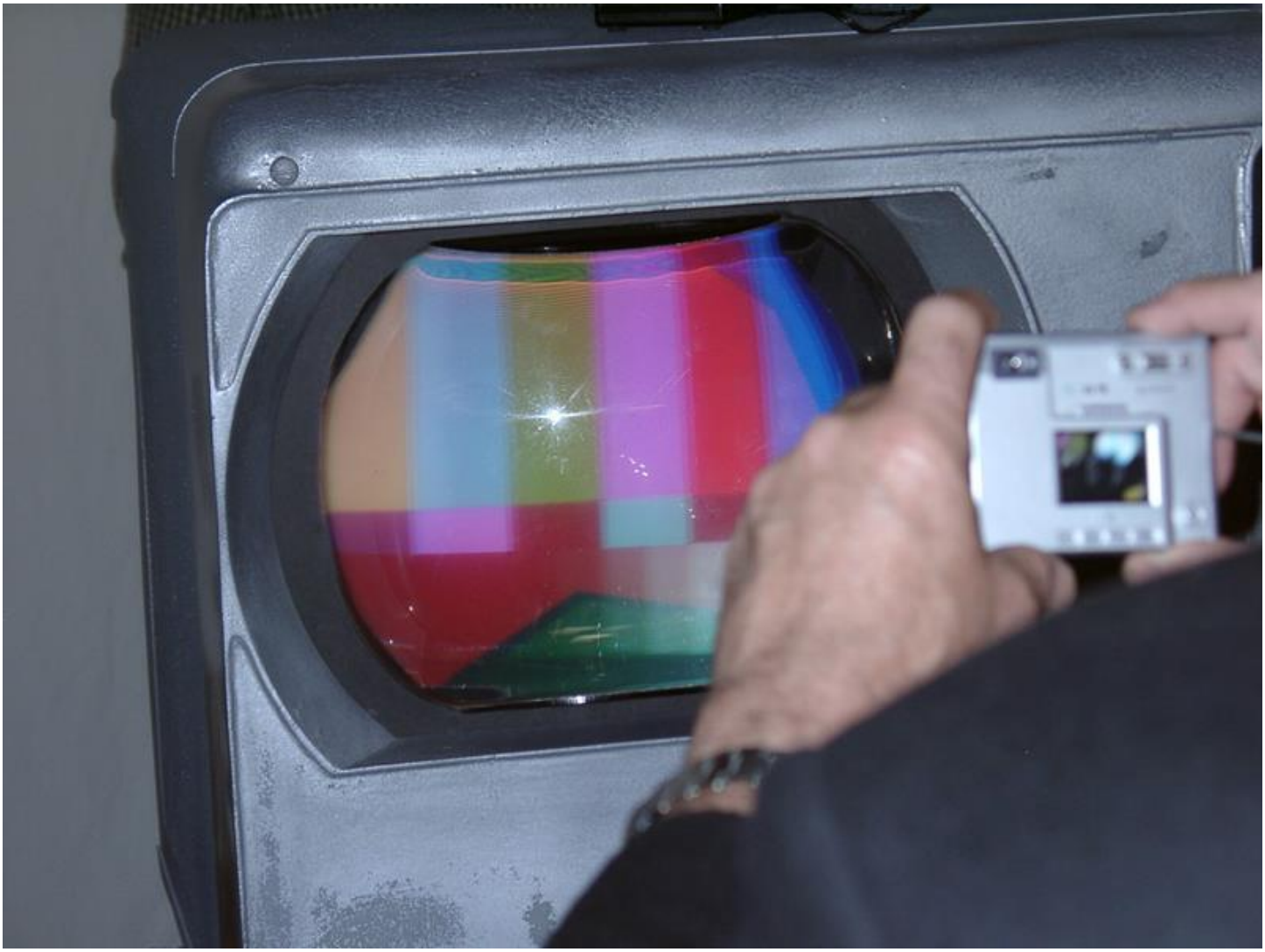


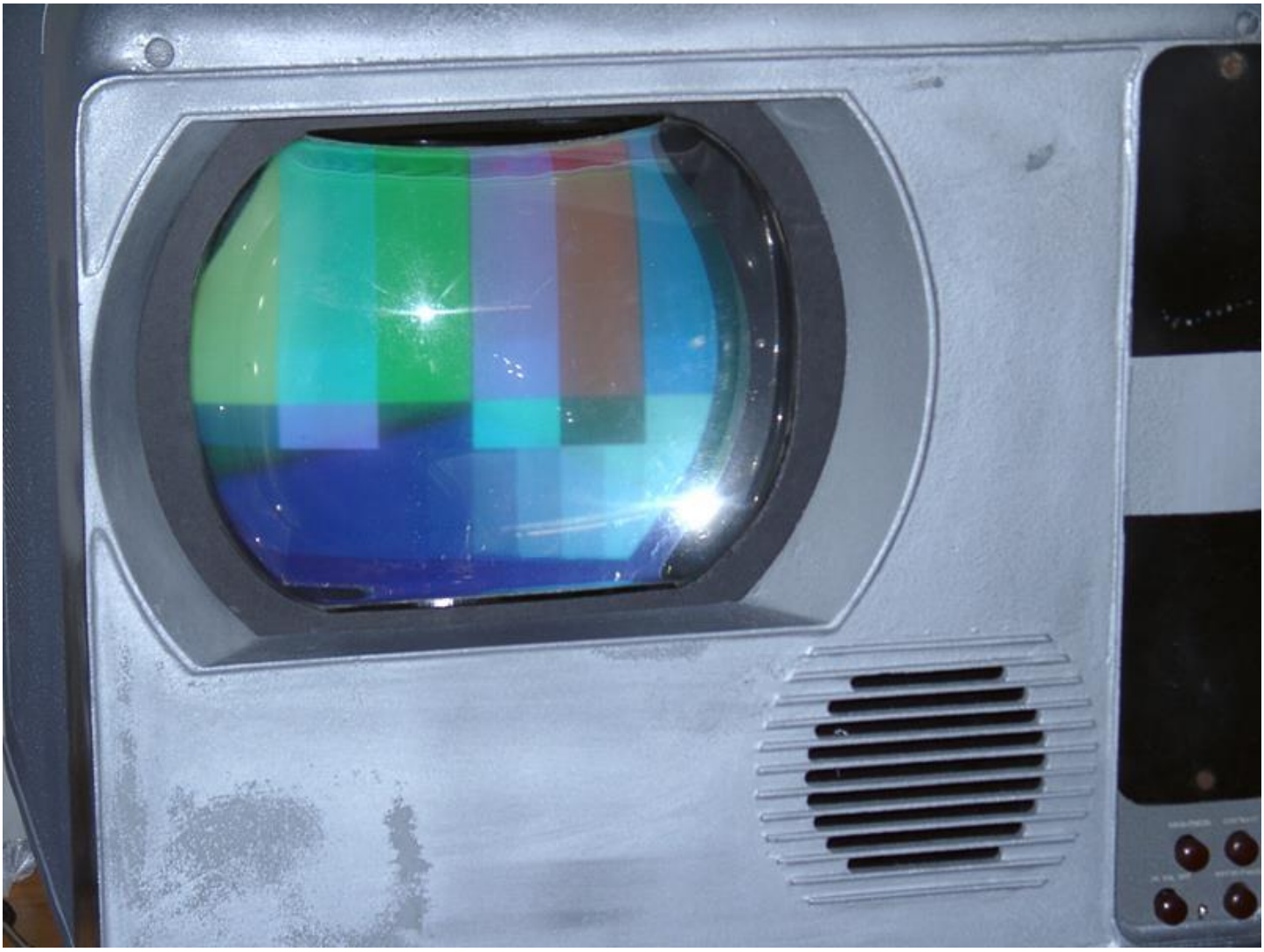







Ziploc

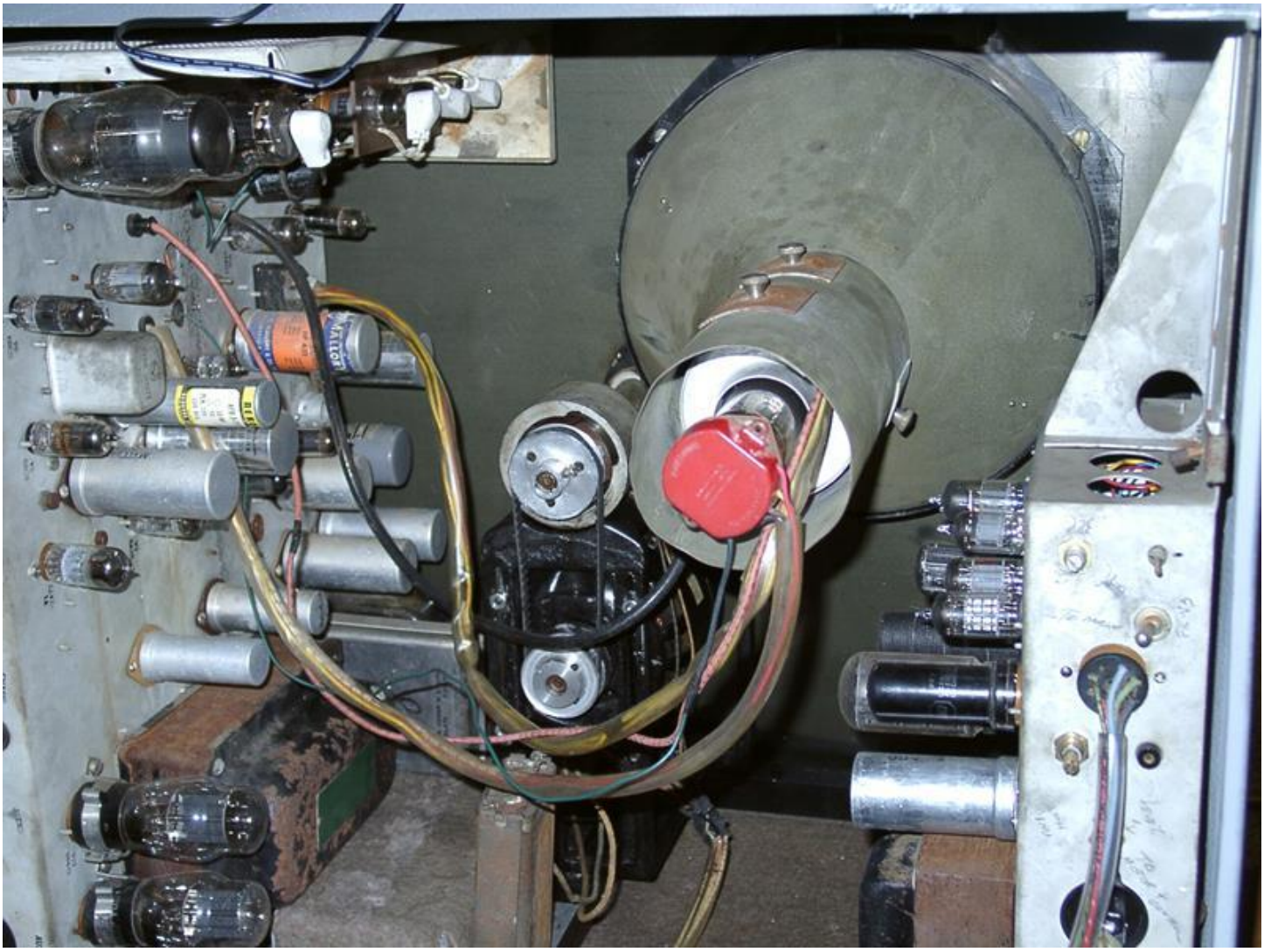


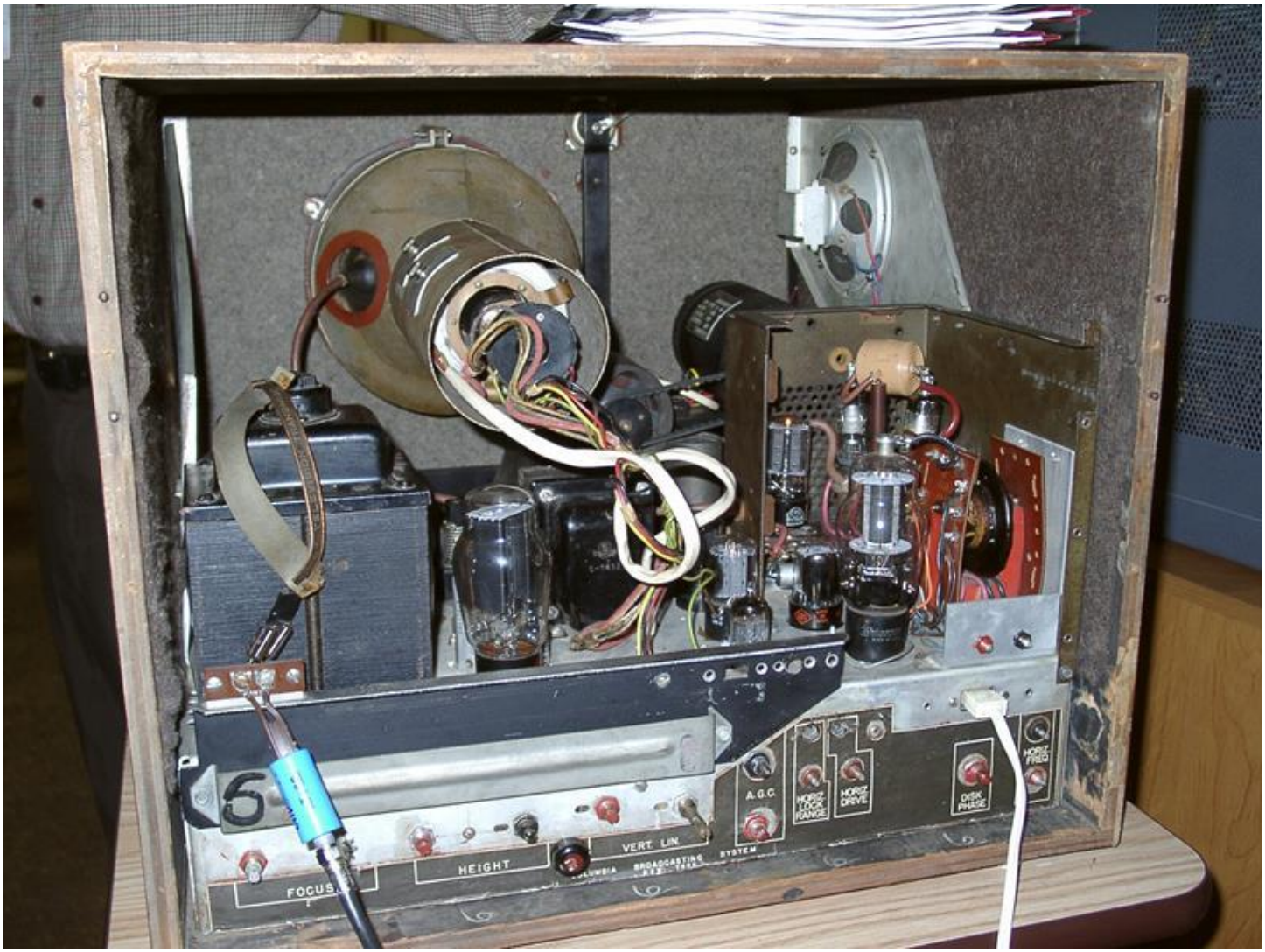



DAL 13
HOU 10
7 24


DAL
HOU


DAL 13
HOU 10
7 12




FOCUS
HEIGHT
VERT LIN
A.G.C.
HORIZ LOCK RANGE
HORIZ DRIVE
DISK PHASE
HORIZ FREQ