LIBRARY OF CONGRESS
Motion Picture, Broadcasting, &
Recorded Sound Division
Recording Laboratory

LWO - 26967 LAB. DATE 4/14/92
16mm POS. B/W SILENT

TITLE:
CHAIN HUBERT V. (Early TV Clips)
COLORAMA

SIGNAL

GENERATOR
Sources

- Albert Abramson, The History of Television, 1880 to 1941
- Albert Abramson, Zworykin: Pioneer of Television
- George Everson, The Story of Television
- David and Marshall Fisher, Tube: The Invention of Television
- Jeff Kisseloff, The Box
- National Radio Institute 1927 Radio Correspondence Course
- Struan Reid, John Logie Baird
- Michael Ritchie, Please Stand By: A Prehistory of Television
- Joseph Udelson, The Great Television Race
- Early Television Museum Website (www.earlytelevision.org)
Television in the 1920s

Early Television Museum – May 2015

Brian Belanger
Curator
National Capital Radio & Television Museum
Dr. Zworykin’s
RCA Lab Notebooks

Courtesy of The Hagley Museum and Library
Wilmington, DE
RCA Pavilion at the 1964 Worlds Fair and the popular feature “See Yourself on Color Television” attracts steady crowds.

250 color receivers around the fair

Nationally only one in seven televisions is Color.

The growth in color sets is being matched by growth in black and white.

Fig. 9 shows the RCA Pavilion with constituting the scene center of the color television exhibit. The exhibit, which is an impressive part of the midway, is shown in full operation on Fig. 10. Long rows of receivers and control consoles characterize the operating control center (Fig. 11). A popular feature is, of course, the “See Yourself on color television” camera and receiver setup (Fig. 17), entertaining steady line of foot traffic.

All together the New York World’s Fair has provided an excellent opportunity to see modern color television equipment in action. It has greatly added stimulus to the amazing expansion of color television, which was unimagined even before the opening of the Fair. Report now, we hope that it has given the new visitors from abroad a better idea of the possibilities of color television in their own countries.

The statistics of the rapid growth of color television in the United States have been reported that, now today, color television has, in large measure, replaced black-and-white television. This is far from true.

Even this spring, only about one television set out of seven sold in the United States was a color television set. Furthermore, the rapid increase in the sale of color sets has been paralleled by an increase in the sales of black-and-white sets. Thus, while the ratio of color sets to black-and-white sets (one is expected to increase gradually in the years ahead, our experience indicates that the introduction of color with compatible standards does not upset the market for monochrome receivers, at the same time the fact that color sets still find themselves in such a small minority points to the tremendous potential for further growth in color television. This same potential exists in all the other countries of the world which may seek on the adventure of adding color to the right and sound of their television services. It will be
Vladimir K. Zworykin
and
His Work in Color Television
1940 to 1982
A Brief History of Video Disc
and
The RCA CED System
Cameras
General Electric PC-4 Camera

This studio camera used the single camera frame generation of unitrode. It was built around 1945 and operated at 75 frame/sec and was a double scan camera. The frame rate was 30 frames per second as compared to the standard 16 frame/sec frame rate. The camera was designed to be used with a 16mm film deck and was attached to a studio desk. It was used to record television shows from a recording studio.
Field Sequential Scanner
The Return of Gizmo

Gizmo was displayed at the 2014 convention as a “What is it?”

The Brain Trust at ETF was up to the job. Gizmo, with a television camera added, can be used as a signal generator to reproduce still images in field sequential color.
Hickok Scanner
Mini TVs
Excel Toy TV Movie Projector

This toy was made in the 50s. It was manufactured by Excel Movie Products Corp. in Elgin, Illinois and uses 8mm film.
In Loving Memory of...

Edwin Howard Reitan, Jr., Ph.D.
October 31, 1943 ~ January 5, 2015