Auction and Flea Market
In Oven Ready to Fire

- Guides to prevent slipping as frit melts
- Tied Top and Bottom
- Bent to avoid frit

2014 Early Television Convention
All Glass 15GP22 Project

2014 Early Television Convention
1. Tear Down
2. Reclaim
3. Build
4. Diagnose
5. Alignment
The DuMont Telecruiser

Adventures in bus restoration.
KTTV CHANNEL 11 - Los Angeles, CA:

The Los Angeles Times / Mirror Years: 1946 - 1963

Jim Diaz
Early Television Foundation Conference - May 17, 2014

- The Ownership / Getting on the Air
- Differentiation & Competing in a Seven Television Station Market
- Major Milestones
- A Commitment to Remote Television Broadcasting
- The Changing Television Broadcasting Environment
Manufacturing Facilities for the RCA Color Television Receiver [the CT-100]

T. (Thomas) S. Weeks
*Plant Manager, Bloomington, Indiana*
Consumer Products Manufacturing
March 26, 1954

Summarized by Ed Reitan
May 17, 2014
Station and Network Facilities for Color Television

T. A. Smith
Vice President in Charge
RCA Engineering Products Division
March 26, 1954

Summarized by Ed Reitan
May 17, 2014
RCA Industry Service Laboratories

• Facilities: Complete equipment for:
  • Generation of Color Signals
  • The test and analysis of the operation of color receivers

• Locations:
  • New York: 711 Fifth Ave
  • Chicago: 589 E. Illinois St.
  • Los Angeles: 1560 Vine St., Hollywood
RCA Industry Service Laboratory Plans for Rendering Technical Assistance to RCA Licensees

Stuart A. Seeley
Director
RCA Industry Service Laboratory
March 26, 1954

Summarized by Ed Reitan
May 17, 2014
Receiving tubes developed specifically for color televisions by the RCA Tube Division.
Six New Vacuum Tubes

- 3A3
- 6AN8
- 6AU4
- 6BD4
- 6BY6
- 6CD6

- RCA required six new receiver-type vacuum tubes to perfect the CT-100.
- Three octal and three miniature.
Receiver
Color
Advances
Model 4 - Model 5 - CT-100
Background on U.S. Manufacturing of RCA Color TV

- Bloomington, IN was the key RCA color TV assembly plant from 1954 to 1999.
- Tube plants in Lancaster & Scranton, PA; former Farnsworth plant in Marion, IN; glass factory near Columbus in Circleville, OH.
Dave Arland: Caretaker of the "Doc Terrell"

- "Beer money" find
- Chassis B003757, manufactured in first week of May 1954
- Thanks to:

  Steve Kissinger,
  Dave Abramson,
  Pete Deksnis,
  John Folsom,
  Nick Williams,
  Steve McVoy, and especially
  Ed Milbourn — she is again "among the living"
Ed Reitan summarizing:

- RCA Industry Service Laboratory Plans for Technical Assistance to RCA Licensees
- Station and Network facilities for Color Television
- Manufacturing Facilities for the CT-100
Dave Arland summarizing:

- A Great New Industry Being Born
- Plans for the Introduction of the CT-100

Peter Deksnis summarizing:

- Tubes, Components, and Test Equipment for Color Sets
- Technical Aspects of the Production CT-100
- Test Equipment for Servicing Color Television Receivers
Celebrating the 60th Anniversary of the RCA Victor CT-100

summaries of the
Color Television Receiver Manufacturing Clinic

RCA Television Receiver Factory
Bloomington, Indiana

March 26, 1954
Celebrating the 60th Anniversary of the RCA Victor CT-100
early Television Museum

2014 Convention
Success?

• Maybe
• Could fail during processing
• Alignment could be wrong
• Could have HV problems
• But I’m encouraged
Leak Tight! $1 \times 10^{-9} \text{ mbar} \cdot \text{l} \cdot \text{sec}^{-1}$

2014 Early Television Convention
there's so much going on in
NBC BIG COLOR TV
...every night!
Simpson 406 Chromatic Amplifier

Used to amplify video and chroma signals for low sensitivity oscilloscopes.

(Donated by Bill Walter, restored by Joe Sousa)
RCA Berkshire

The RCA Berkshire series were the top of the line entertainment systems in 1948. The Regency model cost $315 (or $3475 in today's money), production was only 246 units. The set has a 15.8x8.0" screen, a chrome plated AM-FM 7 band short wave receiver with auto tune, phonograph changer with the latest GE magnetic pickup, chrome plated 40 watt amplifier, and a 15" dual cone/voice coil speaker. A total of 69 tubes. 24 in the receiver, 9 in the power supply/amplifier, and 36 in the TV.

All this in a massive 53"W x 72"H x 24"D, 540 lb. cabinet.

<table>
<thead>
<tr>
<th>Screen Size</th>
<th>15.8x8.0&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type Made</td>
<td>1948</td>
</tr>
<tr>
<td>Cabinet</td>
<td>15 x 20 inch</td>
</tr>
<tr>
<td>Electronic Restoration</td>
<td>Original from Not Restored</td>
</tr>
</tbody>
</table>
Sentinel Remote Control

This wired remote, made in the late 40s or early 50s, controlled the channel, fine tuning, volume and brightness. The channel selector has one common (wiper) and 4 outputs using a clever code. Only 5 wires are needed between the control and the TV set.
Majestic 18091

This is a 7.500 collars TV set with radio. Very few surviving of the size were made.

RCA "Magic Brain" Reflector

This is a solid glass beamsmitter designed for use with the above set. It is not adjustable and should be set according to the manufacturer's instructions.

Daktel Type

This is a typewriter designed for use with the above set. It is not adjustable and should be set according to the manufacturer's instructions.
Midwest JR-32

This 1949 chassis was in a cabinet with a 12LP4 or 12KP4. The chassis contains TV, AM and FM radio circuitry. There was a separate power supply chassis. An interesting feature of this chassis is that the tuner has a position marked UHF. There are inductors that look like they would tune UHF frequencies. However, UHF channels were not authorized until 1952, though there was an experimental station on the air in Bridgeport, CT at the end of 1949.

Screen Size
12 inch

Year Made
1949

Electronic Restoration
Not Restored
Made in 1940, this set was most likely used as a monitor at a TV station. Similar sets were used in the Hotlevision TV system.

Donated by Charles Harper of Paris, KY.

Made in 1950, this set has an 8 inch screen and a metal cabinet. It is a custom Arrin 4080'T, designed to be installed in a hospital setting.

On loan from Geoff Bourne of St. Albans, NY.
Hoffman Beamrider

The Beamrider is a wireless remote control used with some 1959 Hoffman sets. This device is the receiver, which plugs into the back of the TV set. The transmitter uses a single miniature tube and operates on 27.1 mHz. A pushbutton applies power to the filament. The receiver operates a relay which changes the channel.
Filmstrip Viewer

This novelty item was probably designed to help sell Philco TV sets. Inside is a film strip with scenes from early television. It has a battery and bulb, with a knob to select which slide to watch.
International Telemeter
Pay TV Converter

This converter box accepted coins. Scrambled video was sent, and when the proper amount of money was inserted, unscrambled picture and sound would appear. This one was used in Toronto in 1960.
Dumont Television

30 inches
The World's Largest Television Screen

Foot with the foot of Dumont

A-119

1951 Original Finish Restored
“IT” Wired Remote Control

Uses batteries in the remote unit and a small motor in the unit that goes on the front of the tuner. There is no provision for on-off or volume. Made in the 50s.

(donated by John Yurko)
The Incomparable Muntz TV
America's Television Triumph!
VIDEO-SCOPE

TELETEST

ARE YOU PHOTOGENIC

WHAT WILL YOU LOOK LIKE ON TELEVISION?

THEN PRESS BUTTON YOURSELF
VIDEO-SCOPE

TEST

ARE YOU PHOTGENIC

WHAT WILL YOU LOOK LIKE ON TELEVISION?

COUNT TO FIVE

THEN PRESS BUTTON

SCREEN TEST YOURSELF
RCA TRK-12
Worlds Fair Chassis

These are the television and television power supply chassis for the RCA TRK-9 and 12.

These chassis were used at the 1939 Worlds Fair. The power supply was modified to double the picture tube high voltage to about 12,000 to make a brighter picture. Changes were also made in the main chassis so that it would work with the additional voltage.
Sentinel IU-816

This set was made in 1956, and has a 21x16x22 round picture tube. The chassis is similar to the RCA CTC4. Our set was found at an estate sale in Michigan, and donated to the museum by Ron.
RCA R-100 Phonograph Attachment

RCA's TRK 5, 9 and 12 had a connector to allow a phonograph attachment to be plugged in. This one was introduced at the 1933 World's Fair.
Philco Television Oscilloscope

Introduced by Philco in 1939 specifically for television servicing.

Booster

This RF booster was in our Westinghouse model 815. It was probably made before WW2. It tunes 5 channels.
Fab Color TV Contest

This detergent box (still full of soap) advertises a contest in which 100 Motorola 15 inch color sets were given away. This box was donated to the museum by Wayne Bretl.
Philips Projection Set Optical Alignment Device

This device was used to adjust the optical focus of sets using the Philips Protelgram projection assembly. The device is installed in place of the 3NP4 CRT. It has a test pattern on its face, with a light bulb behind it. Once the image was focused on the screen, the device is removed, the CRT re-installed, and then the electrical focus could be set.
General and People
The set was CIBA appliance. It was made to order, and it is a hand-crafted piece. This set is believed 100% sound and visually appealing. The manufacturer is unknown. It is on display by the owner, Mr. Smith.