ZENITH 16 in. B-W TV 1960s? Works good $3500 O/T THE DOOR
Early RCA Prototype Chassis and CRTs
KNOX "TELECASTER" ASSEMBLED
And Ready For Viewing. Lightweight
And Durable, The Knox System
May Be Enjoyed Almost Anywhere
In The Home.
6. Set up KNOX VIDEO screen directly in front of Telecaster:
   5' Screen - approximately 6' to 7' from Telecaster.
   6' Screen - approximately 7' to 8' from Telecaster.

7. The angle of the screen should be the same as the angle of the Telecaster. The screen may be tilted forward to permit this angle (see screen instructions).

8. Darken room and turn on T.V. set. Adjust Telecaster so that TV picture fills the screen.

9. Focus picture by grasping hand grip under lens and sliding lens back and forward rail (illustration 3). Should you move Telecaster closer or away from screen, you can simply re-focus for proper viewing.

10. When not viewing large screen television, the entire system may be easily stowed if preferred.
     NOTE: The screen and the lens are washable. Use a mild detergent. The plastic lenses may also be cleaned with a soft brush.

KNOX WARRANTY

90 Day Warranty from date of purchase against defects in workmanship and materials under normal use. In the event a defect occurs during the warranty period, Knox will repair or replace, at its option, at no charge. Return of the product for such repair or replacement is the responsibility of the purchaser. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Knox Manufacturing Company
111 Spruce Street
Wood Dale, Ill. 60191
KNOX
"TELECASTER"
PROJECTION TV SYSTEM
OPERATING INSTRUCTIONS

1. Carefully unpack the lens system from the carton.

2. Assemble T.V. support tray to lens assembly bracket. Use two wing nuts and screws provided. See illustration below.

3. Place Telecaster lens system on flat surface, table, floor, etc. (See illustration 2).

4. Pull tilt leg forward from frame and adjust swivel foot to desired height. Swivel foot turns in and from tilt leg. (Illustration 2).

5. Place TV set on tray and allow about 2" between back edge of light shield and TV picture tube. Center TV screen in center of lens shield.

NOTE: The Knox Telecaster will operate with Color and Black & White TV sets from 7" to 19" screen sizes.
Knox Telecaster

This device was made in the 60s or 70s to project the image from a 13 inch set onto a screen. Muntz made a projection TV set using the same principle. It used a Sony 13 inch set and a lens with screen and sold for $900.

Thanks to Bob Dobush for finding it and bringing it to the museum.
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Baird-Rauland Projection CRT

Used in Baird theater television system. This tube was made by Baird in 1938, then sold to Rauland in 1942 as part of Rauland’s purchase of Baird’s theater television business in the United States.

The projector used a 60-80kV supply and a 15 x 20 foot screen.
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The projector used a 60-WIRI supply and a 15 x 25-foot screen.
This tube was used in Ardenne's Flying Spot Scanner and receivers in his 1931 experiments.
Presentations
Developmental RCA Color Television Receivers

- RCA Developmental Receivers originated at:
  - RCA Laboratories at Princeton, NJ
  - RCA Industry Service Laboratory

- 30 known models
- Known receiver: New York Operational Monitors
- Products Development Group
- Known models
Hazeltine Corporation

Founded 1924 by radio pioneer Dr. Hazeltine
Inventor of Neutrodyne circuit

Television research started in

Hazeltine's associate Dr. Hazeltine
Inventor of television scan

Television company
Modern Phosphors

- HDTV (ITU Rec. 709) color space (still cameras), most flat-panel TVs and computer display monitors
- RGB, Standard for film and Microsoft for digital
Color Reproduction of TV and Film Systems Old and New
Bletchley Park Tour

For
Amateur Radio Research and Development
www.amrad.org

14 April 2011
George Lamaster Ph.D.
WB5OYP
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.
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 1962.
Colortone Adapter

This adapter was made in 1951 to allow black and white sets to receive CBS field sequential color broadcasts in black and white. It attached to the horizontal and vertical oscillator circuits in the TV to change them to the scan rates for the CBS standard.

THIS IS THE INDIAN HEAD IMAGE ETCHED ON A PLATE FROM THE MONOSCOPE TUBE IN THE RCA TK-1 GENERATOR 
(NOT FOR SALE)

YOU MAY HOLD IT, DO NOT TAKE IT
Sylvania

"COLOR VIEWER"

- Eliminates disabling the gun
- Separates color fields
- Magnifies individual colors