



RCA VICTOR  
COMPATIBLE  
COLOR  
TELEVISION



*The  
Merrill*

DELUXE MODEL CT-100

The 15-inch RCA Tri-Color  
Tube is the "heart" of RCA Victor  
Compatible Color Television... a new  
dimension in home entertainment.

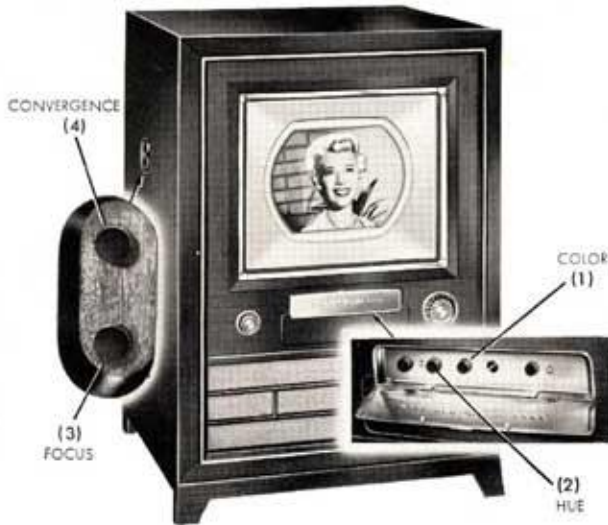
It provides a picture size of  
approximately 12" x 9".

(See over)



# RCA VICTOR Deluxe Model CT-100

THE  
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**CABINET**—This new console, in gleaming mahogany finish, is a masterful blend of the best in Contemporary and Traditional styling. Its kinescope mask provides a pleasing note of subtle contrast to both the color picture and the handsome cabinet. Approximate dimensions: Height, 40"; Width, 28"; Depth, 30 $\frac{3}{8}$ ".

**RCA VICTOR COLOR TELEVISION CONTROLS**—Special controls in new RCA Victor Color Television are (1) *COLOR* Control—adjusts color saturation, or the amount of color you see on the picture screen. When knob is turned completely to the left, black-and-white pictures are seen, even though color is being transmitted. As knob is turned to the right, color gradually appears until desired intensity is obtained. (2) *HUE* Control—brings colors to their natural or intended shades. It is best adjusted with a picture of something familiar, such as a human face, on screen so that you may select natural flesh tones. (3) *FOCUS* Control—brings picture into sharp, clear focus. (4) *CONVERGENCE* Control—minimizes "color fringe" when tuning in black-and-white televised pictures. Both focus and convergence controls will be adjusted when the set is installed. It will rarely be necessary to re-adjust them.

**COMPATIBILITY IN TELEVISION**—Means that color telecasts are received in color on color receivers and in black-and-white on black-and-white receivers. It means that color receivers will also receive black-and-white programs in black-and-white.

## RCA PIONEERED AND DEVELOPED COMPATIBLE COLOR TELEVISION

- Automatically Regulated High Voltage Supply, for color television, provides proper current and voltage in all operating conditions.

- New, scientifically-designed Magnetic Shielding, added for color television, maintains top picture quality by shielding receiver from effects of earth's magnetic pull.

- 15 additional tubes and 5 additional rectifiers and crystals to produce outstanding color pictures and greatly improved black-and-white pictures.

- New Full Range Crystal Color Control provides all of the color that the eye is capable of recognizing by properly timing and coordinating the three electron beams.

- 36 Tuned Picture Circuits (15 more than normally used in RCA Victor black-and-white television) provide extra sensitivity, extra selectivity, and extra stability for both color and black-and-white pictures.

- 25 Tuned Circuits for Television Sound Reproduction with "plus reserve" for greater freedom from noise in weak signal areas.

- 7 I-F Picture Stages (3 more than normally used in RCA Victor black-and-white television) provide greater picture amplification for both color and black-and-white.

- 9 I-F Sound Stages (3 more than normally used in RCA Victor black-and-white television) provide increased sound amplification for both color and black-and-white.

- Parallel Picture Synchronization Circuits, for color and black-and-white, double lock pictures in place horizontally and vertically . . . reduce "tear out" and "roll".

- Improved High Gain Video Amplifier, 13 stages for color and 8 stages for black-and-white, with greater Video drive, provides increased amplification of weak signals.

- R-F Tuner unit, improved for color television, provides greater sensitivity, selectivity, and more freedom from noise interference for both color and black-and-white television.

- Automatic Gain Control, improved for color television, compensates for signal strength fluctuation, prevents overloading and fading . . . maintains constant picture and sound level for both color and black-and-white television.

- New Circuits for color and black-and-white television give Phase Correction of television signal . . . provide clearest pictures in RCA Victor history.

- Retrace Line "Extinguisher," improved for color television, eliminates annoying diagonal lines . . . gives clear, sharp pictures.

- Improved Selective Superheterodyne Circuit for brilliant Sound and Picture reception equivalent to radio having four-gang condenser.

- 41 Megacycle Inter-carrier System tunes clearest Pictures and best Sound simultaneously.

- New RCA Tri-Color Picture Tube, with three electron guns, paints life-like full color Television Pictures. Has Electrostatic Focusing Unit.

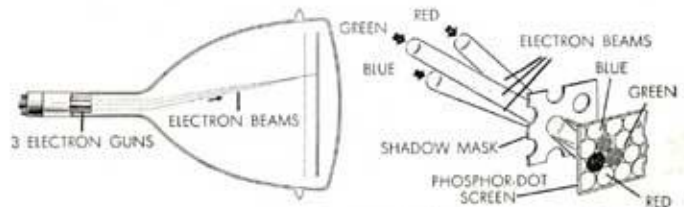
- Special Antenna Terminal Boards to facilitate connection to various UHF and VHF antennas.

- Illuminated Automatic UHF-VHF Channel Selection, with greater sensitivity, for both color and black-and-white television.

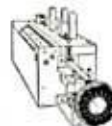
- Continuously Variable Tone Control for individual tone adjustment.
- Removable Safety Glass front for cleaning and dusting of tube face.

- Underwriters' Laboratories Approval . . . certifies that instrument is safe for operation, meets requirements of shock and fire hazard protection, and is within requirements of regular fire insurance.

- 115 Volts, 60 Cycle AC operated.



**RCA TRI-COLOR PICTURE TUBE**—The RCA Tri-Color Picture Tube has three electron guns whose electron beams scan and stimulate as many as 600,000 tiny color phosphors on the viewing screen. The phosphor dots are arranged in clusters of three, a red-glowing, a blue-glowing and green-glowing phosphor in each group. Any or all three of the guns receiving color information fire their electrons through a shadow mask placed between the guns and the viewing screen. The shadow mask has tiny perforations in it so positioned that the stream of electrons from each gun can fall only on its appropriate color phosphor. It is this miracle of electronic engineering that produces the brightest, most distinct color picture in television!



**AUTOMATIC UHF-VHF CHANNEL SELECTION**—RCA Victor Color Television features a powerful UHF-VHF automatic tuner with extra circuits, extra tubes, extra power! This RCA Victor development automatically filters, intensifies and perfects incoming signals. Brings you as many as 16 stations . . . any combination of UHF and VHF channels.



**"GOLDEN THROAT" FIDELITY TONE SYSTEM**—The rich "Golden Throat" Fidelity Tone in RCA Victor Color Television is achieved through an exacting balance of amplifier, speaker and cabinet. You can enjoy it *only* with an RCA Victor!



**"MAGIC MONITOR" CIRCUIT SYSTEM**—The famous "Magic Monitor" Circuit System automatically ties in finest sound, screens out static and interference.



**RCA VICTOR COLOR TELEVISION SETS ARE "GOOD NEIGHBORS"**—RCA Victor Color Television will not interfere with picture reception on your neighbors' TV sets. This disturbance, called oscillator radiation, has been virtually eliminated by RCA Victor's carefully designed, heavily shielded circuit system.

**AND—only RCA Victor Television owners can buy an RCA Victor Factory Service Contract for expert installation and maintenance**

