

# COLOR

SETCHELL-CARLSON EXCLUSIVE UNITIZED TELEVISION

*"For the splendor of COLOR...for true fidelity in SOUND"*



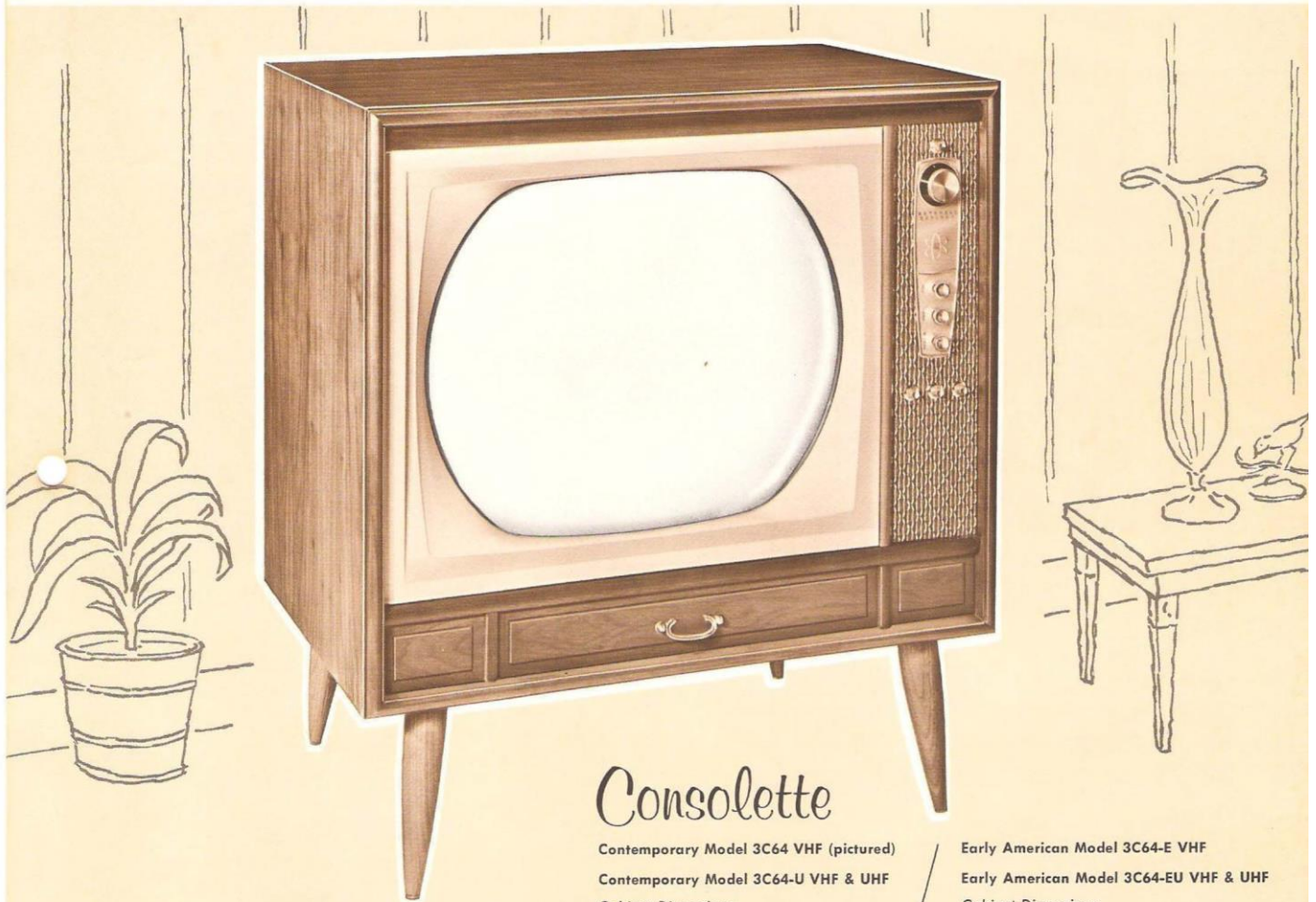
3C6400 VHF  
3C6400U VHF and UHF

*Contemporary*

in American Walnut, Fruitwood Cherry or African Mahogany  
Size: 36 $\frac{1}{4}$ " high x 29 $\frac{1}{2}$ " wide x 20 $\frac{1}{4}$ " deep

SETCHELL-CARLSON EXCLUSIVE UNIT-IZED TELEVISION

# COLO R



## Consolette

Contemporary Model 3C64 VHF (pictured)

Contemporary Model 3C64-U VHF & UHF

Cabinet Dimensions:

33 $\frac{3}{4}$ " high x 29 $\frac{1}{2}$ " wide x 20 $\frac{5}{8}$ " deep

Early American Model 3C64-E VHF

Early American Model 3C64-EU VHF & UHF

Cabinet Dimensions:

34 $\frac{3}{8}$ " high x 29 $\frac{1}{2}$ " wide x 20 $\frac{5}{8}$ " deep

Smart new space-saving consolette† cabinet in hand-rubbed genuine American Walnut or Early American hard Maple solids and veneers compliments the finest decor. Push-pull high fidelity audio output with special five-inch extended range speaker.

Exclusive UNIT-IZED Chassis features 8 plug-in Units, including plug-in Chroma Unit, which may be removed from chassis by your serviceman and TV will continue to perform in black-and-white!

Latest bonded face 21-inch\* picture tube has newest improved phosphors for super-clear color pictures as well as finer black-and-white

*All convergence controls available from the front.*

Luxurious UNIT-IZED Color Television . . . superior performance and styling for lasting satisfaction.

†Converts to smart table model by removal of legs.

\*21" overall diagonal picture tube with 265 sq. in. viewable area.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Manufactured by SETCHELL-CARLSON, INC., New Brighton, St. Paul 12, Minn.



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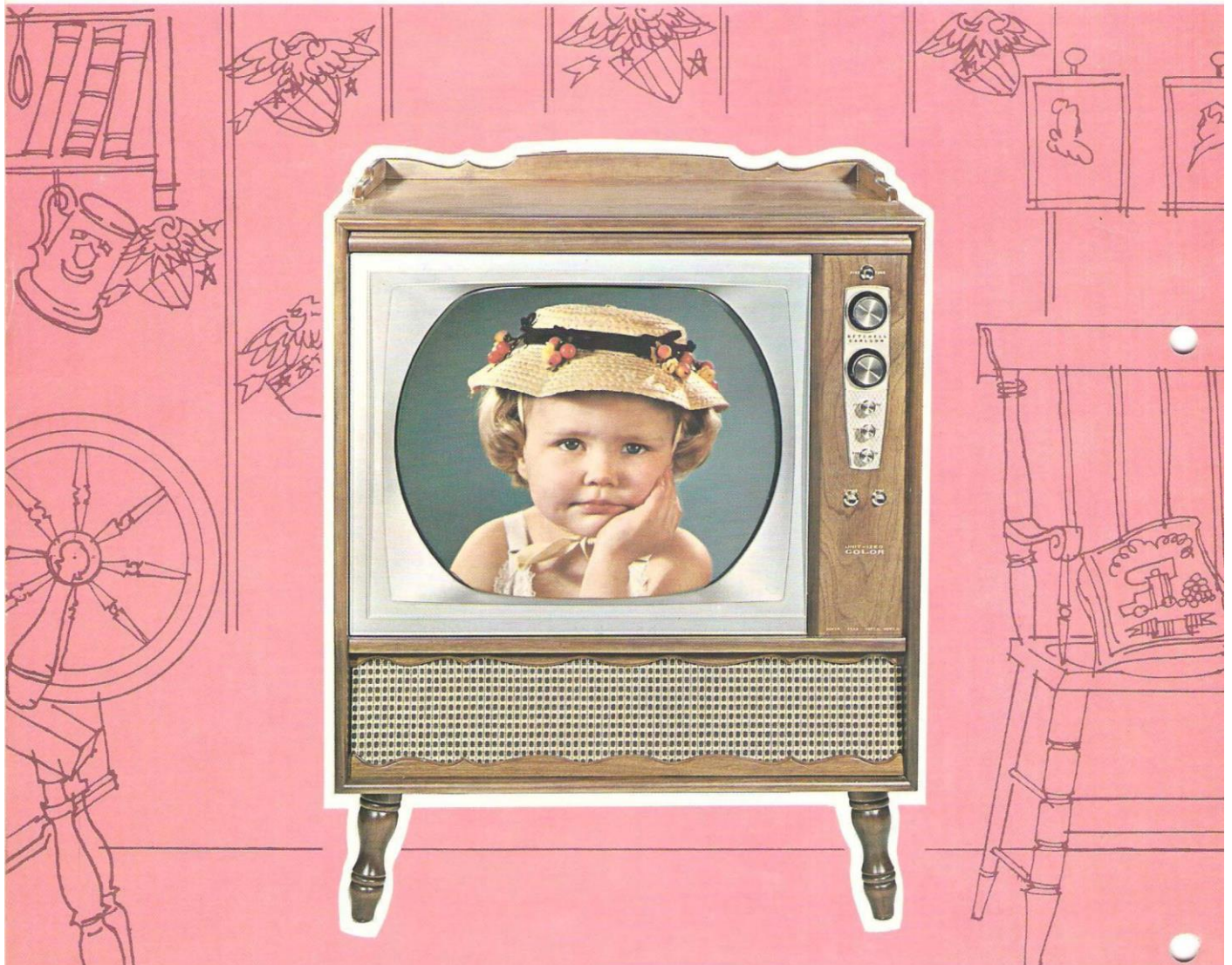
Exciting, *natural* color, adding a new dimension of enjoyment to your tele-viewing. UNIT-IZED Color TV reproduces the entire color spectrum, from the softest pastels . . . to vivid middle tones . . . to the richest, most dramatic deep colors . . . true, life-like, real!

New exclusive color developments, available only in Setchell-Carlson UNIT-IZED TV, combined with premium components and precision hand-crafted circuitry assure uncompromising high quality, superior performance, dependability and uniformity, plus ease of maintenance.

*EXCLUSIVE* Plug-in Chroma Unit may be removed from chassis by your serviceman and TV will continue to perform in black and white!

The master-engineered 21-inch\* picture tube has the newest improved color phosphors to create pictures that sparkle with balanced, vivid colors. The tube also receives movie-clear black-and-white telecasts, remarkable for sharpness and clarity. The tinted safety glass increases picture contrast and is bonded to the tube face to minimize reflection.

*EXCLUSIVE* Picture-Tube-Protector, an exclusive Setchell-Carlson advanced engineering feature, substantially extends the normal operating life of your



3C6400E VHF  
3C6400EU VHF and UHF

*Early American*

in Hard Maple  
Size: 37 $\frac{1}{4}$ " high x 29 $\frac{1}{2}$ " wide x 20 $\frac{1}{4}$ " deep

# SETCHELL-CARLSON **COLOR** TV CHASSIS

CUSTOM **UNIT-IZED**

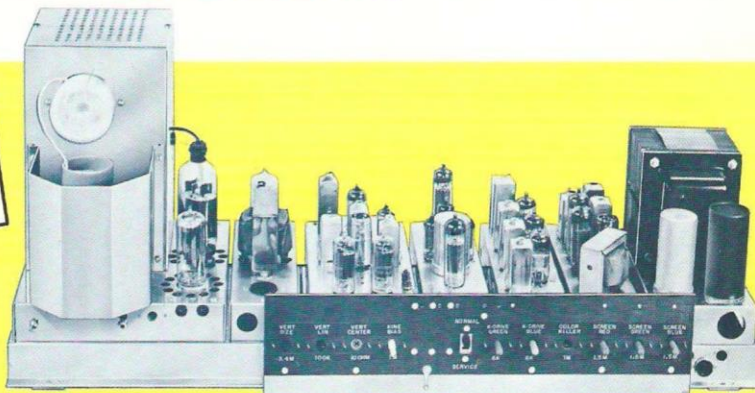
*"The Only Color TV Receiver  
That Need Never Leave Home  
for Maintenance"\**

**Unequaled for Performance,  
Uniformity, Versatility,  
Ease of Modernization  
and Maintenance.**

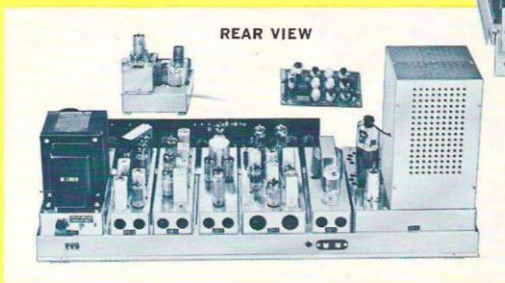
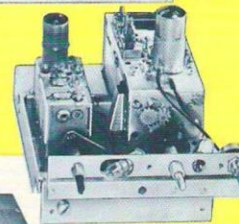
This ultra-modern UNIT-IZED aluminum television chassis design consists of a Master Chassis on which high-performance functional plug-in Units are mounted. Each Unit may be individually removed or replaced for quick, easy test or maintenance.

UNIT-IZED Color TV Chassis Model U800 provides high performance colorcast tele-viewing, plus superior monochrome reception.

\* Only the Unit or component that requires maintenance need be removed.



Chassis Model U800



REAR VIEW

## SPECIFICATIONS

**UNIT CA-1** Extra-sensitive frame grid neutralized triode strip-type tuner with gold plated contacts. Pre-set fine tuning, plus new electronic Micro-Tuning, which may be manually tuned for extra-quality color pictures, as well as black and white. UHF tuner optional, extra.

Contains:  
1-6GK5 RF amplifier  
1-6CG8A Mixer and oscillator

**UNIT CB-1** 44 MC IF amplifier with three high gain frame grid tubes, plus video and audio detectors. Seven tuned circuits plus two traps. Specially designed for color reception.

Contains:  
1-6EH7 First video IF amplifier  
1-6EH7 Second video IF amplifier  
1-6EJ7 Third video IF amplifier  
1-1N60 Sound detector  
1-1N60 Video detector

**UNIT CC-1** Two-stage 4.5 MC sound amplifier with balanced ratio detector, and high fidelity push-pull audio amplifier.

Contains:  
1-6AU6 First sound IF amplifier  
1-6AU6 Second sound IF amplifier  
1-6AL5 Ratio detector  
1-12AX7 First audio amplifier and phase inverter  
2-6GK6 Push-pull audio output amplifiers

**UNIT CD-1** Three stages of video amplification, keyed AGC amplifier, and sync separator with automatic noise gate.

Contains:  
1-6AU6 First video amplifier  
1-6GK6 Second video amplifier  
1-6GK6 Third video amplifier  
1-6AU6 Keyed AGC rectifier  
1-6CS6 Sync separator  
1-1N60 Video clamping diode

**UNIT CE-1** Two-stage vertical oscillator and sweep amplifier. Drive and linearity controls located on main chassis.

Contains:  
1-6GF7 Vertical oscillator and vertical output amplifier

**UNIT CF-1** Horizontal deflection and high voltage. Horizontal efficiency control, horizontal stabilizer, focus control, high voltage regulator control and horizontal centering control. Special exclusive

patented safety control circuit #2,589,299 protects tubes and components in case of drive failure.

Contains:  
1-6GH8 Horizontal oscillator  
1-6E6 Horizontal output  
1-6DW4 Horizontal damper  
1-6BK4 High voltage regulator  
1-3A3 High voltage rectifier  
1-AFC dual diode  
1-Selenium focus rectifier  
1-Selenium circuit protection rectifier

**UNIT CG-1** Main power supply. Heavy duty power transformer, plug-in dual silicon rectifier, choke and electrolytic capacitors, and circuit breaker.

Contains:  
1-Heavy duty plug-in dual silicon rectifier

**UNIT CY-1** Chroma (color) Unit. 3.58 MC oscillator; red, green and blue amplifiers, color-killer circuitry, etc. Exclusive: Chroma Unit may be removed for test or maintenance (by serviceman) and TV chassis will continue to produce monochrome pictures with sound.

Contains:  
1-6GH8 Band-pass amplifier and color-killer control  
1-6EW6 Color burst amplifier  
1-6GH8 3.58 MC oscillator and reactance control  
1-6AL5 Color phase detector  
1-6AL5 Color-killer detector  
2-6GY6 Color demodulators  
1-6GU7 Red and green color amplifiers  
1-6GU7 Blue color amplifier and horizontal blanking amplifier

### CONVERGENCE PANEL

Contains twelve convergence adjustments and two rectifiers.

**CONTROLS** on the front panel are as follows:

Micro-Tuning, Channel Selector, On-Off-Volume, Tone, Brightness, Color and Tint. Additional controls are readily accessible at the base of the control panel, and consist of: Horizontal, Vertical, and Contrast 1 and Contrast 2.

**MAINTENANCE CONTROL ADJUSTMENTS** for the serviceman are all accessible from the front of the television receiver via the speaker panel, and the panel under the main chassis is also removable for maintenance by the serviceman, if desired.

AC Interlock. Input: 325 watts, 115 volts, AC.

Specifications subject to change without notice

FORM NO. C64 COLOR

Manufactured by SETCHELL-CARLSON, INC., New Brighton, St. Paul 2, Minn

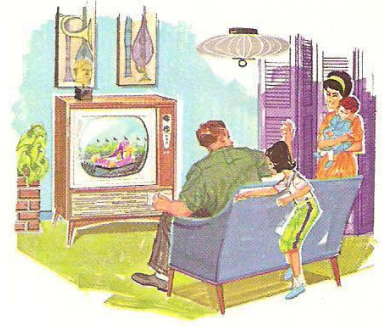
picture tube and remarkably renews performance through a single adjustment, when the picture tube ages and becomes slow to warm up, dim, or out-of-focus. Also eliminates damaging high current surges during initial warm-up period.

Two matched 6", front-mounted hi-fidelity PM speakers, in acoustically-correct cabinetry, provide exceptionally *natural* sound to match the superlative true-to-life pictures.

And to match the superb performance of picture and sound, magnificently crafted cabinetry, painstakingly designed and executed to blend smoothly into a harmony of styling that will enhance the beauty of any home. Carefully selected and matched hardwood solids, and veneers are hand-rubbed to a glowing patina.

Setchell-Carlson UNIT-IZED Color Television . . . a perfect blending of superior performance and styling for the ultimate in televiewing . . . *the only Color TV Receiver that need never leave home for maintenance!*

\*21" overall diagonal picture tube with 265 sq. in. viewable area.  
Specifications subject to change without notice.



3C6400P VHF  
3C6400PU VHF and UHF

*French Provincial*

in Fruitwood Cherry  
Size: 37 $\frac{1}{4}$ " high x 29 $\frac{1}{2}$ " wide x 20 $\frac{3}{4}$ " deep