All New 1963

### ZENITH

## COLOR TV

handcrafted no printed circuits



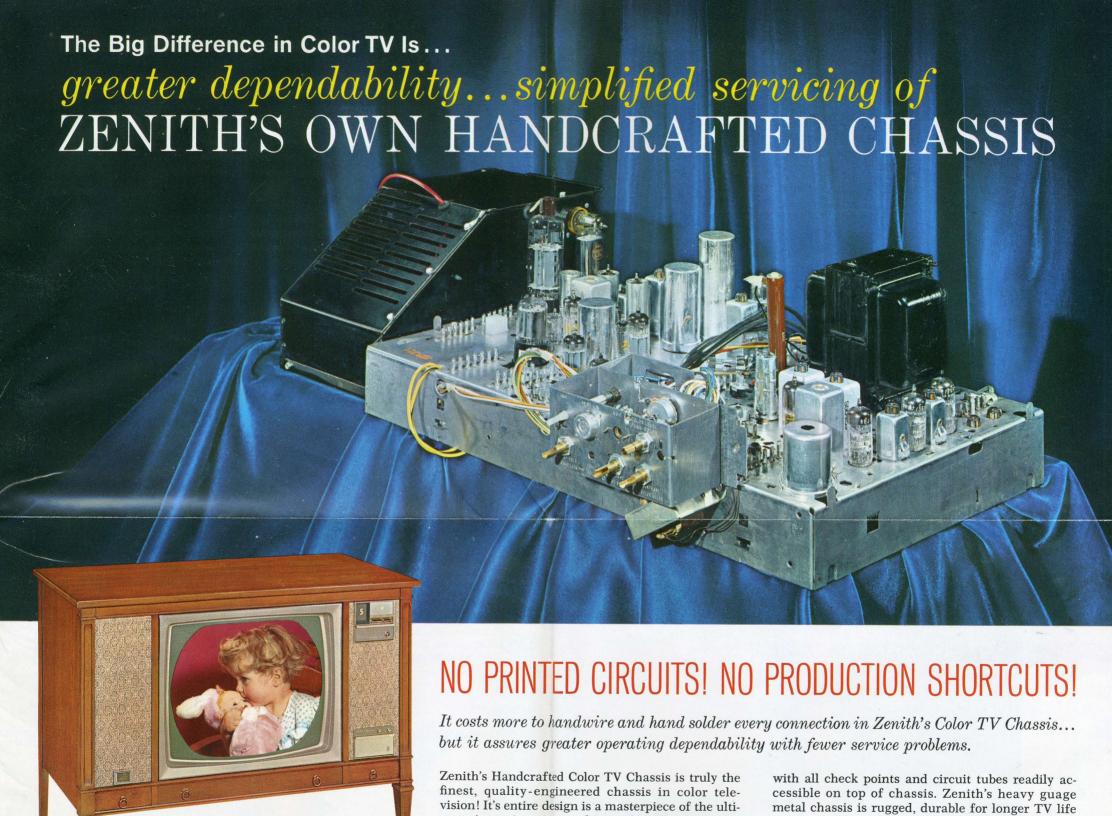


### ZENITH'S 44 YEAR TRADITION OF QUALITY

with strictest adherence to the highest standards of performance.

World famous Zenith performance is the result of over 44 years of specialization in electronics and an uncompromising insistence upon highest quality. This strict dedication to quality and advanced engineering skills gives Zenith owners the world's finest performing Color television. An outstanding example of Zenith Quality and creative engineering in color television is the Handcrafted Horizontal Color Chassis-where there are no production shortcuts, no printed circuits. It costs more to handwire and hand solder all chassis connections, but it gives the customer greater dependability, fewer service problems. And, to assure the world's finest performance, every Zenith Color Television must pass the most rigid quality tests during every stage of assembly and is "Life Tested" before it leaves the factory. There is a big difference in color television and the difference is Zenith Quality.

At TENITH the quality goes in before the name goes on.



Thousands of Independent Servicemen know the greater dependability of Zenith's Handcrafted Color TV Chassis with no printed circuits, no production shortcuts!

mate in engineering craftsmanship. Every chassis connection is carefully handwired, hand soldered. No printed circuits! No production shortcuts. The entire chassis is designed to provide the finest performing, most dependable color television. Only the finest quality "capacity-plus" components are used throughout. The mechanical design is simplified... trouble-free-electrical circuitry is straight-forward, simplified for greater dependability. Its horizontal construction makes possible easier, faster servicing

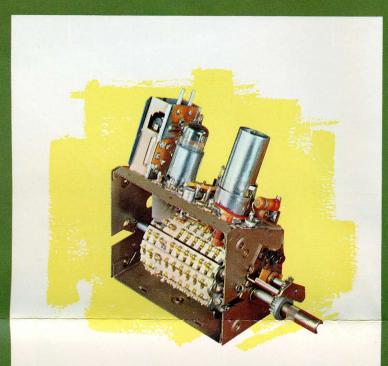
-and gives up to 200 times greater heat dispersion than bakelite material used in printed circuit boards.



Zenith's Exclusive Removable "Easy-Service" Plate-makes 90% of chassis circuitry accessible without removing the chassis. Exclusive Zenith "Metal-Cone" check points permit service check-up without removing anything more than the back of the set. Even cabinet back is specially designed to come off in seconds.

### CHOOSE THE ZENITH DIFFERENCE IN COLOR TV

## Superior Reception . . . Truer Color Hues . . . Proven Dependability



Superior Reception...

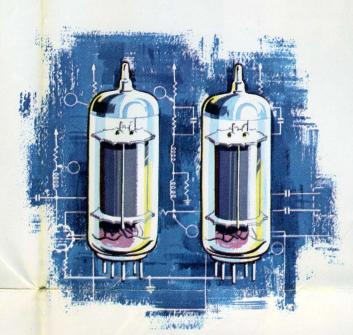
Longer TV Life!

from Zenith developed, exclusive

# GOLD VIDEO GUARD TUNER

World's most sensitive color TV reception—superior even in fringe and difficult signal areas. A masterpiece of technical design, Zenith's Gold Video Guard Tuner features 104 16 karat gold-filled (not just gold plated) contact points for longer TV life. New moisture-resistant glaskyd channel strips resist deterioration from age. Completely handwired, no printed circuits! It costs more to make the tuner this way, but it is worth more to customers in providing the very best signal reception—and it lasts longer, services easier.

New "Perma-Set" Tuning — you fine tune each channel individually for the best possible picture without disturbing the alignment of other channels. Once your Zenith color or black-and-white picture is fine tuned, it stays fine tuned.



Truest, Most Accurate
Color Hues
from Zenith developed

# COLOR DEMODULATOR CIRCUITRY AND COLOR HUE TUBES

World's Finest True-To-Life Color Pictures. Zenith's patented Color Demodulator Circuitry is the "electronic brain" of color television. It extracts color information from incoming signals with peak precision and supplies this information to the picture tube. The result is the most accurate, true-to-life pictures in color TV! For exciting, new color realism, two new Zenith developed (6JH8) color hue tubes provide the most accurate hues in color TV! Zenith's circuitry design is simplified for greater reliability in extracting color information . . . requires less critical adjustment and servicing is easier, faster, if needed.



Extra Quality Checks
To Assure Dependability
from Zenith's

#### 30 QUALITY TESTS Plus "LIFE TESTING"

To assure Zenith owners of the finest Color TV possible to produce, every Zenith Color TV chassis is exposed to extra testing by Zenith Color specialists in every phase of assembly.

An outstanding example of the extra measure of quality testing in Zenith Color TV is Zenith's unique, mobile "LIFE TEST LINE" called the "hot rail" by Zenith production engineers. Each assembled chassis is "plugged-in" on the moving "LIFE TEST" conveyor for 24 hours which feeds continual electrical power to the chassis, creating operational testing conditions comparable to those in the user's home.

Zenith "LIFE TESTING"—an extra Zenith quality precaution—reflects the 44 year quality policy at Zenith and Zenith's determination to provide the finest operating and most dependable color TV receiver in the market.

# AND ONLY ZENITH COLOR TV GIVES YOU ALL THESE GREAT NEW ADVANCEMENTS FOR COLOR TV AT ITS BEST!



Zenith Automatic Color Level Circuitry—Features exclusive new 6HL8 color level tube that holds a color picture where others can't, even during fine tuning and in extreme fringe areas. Assures uniform color level at all times—automatically compensates for color transmission variations, helps keep constant color values when changing from station to station, or when programs change.



New Exclusive Zenith Permanent Magnet Centering—minimizes drift—proven the best for dependability—utilizes the permanent magnet system, proved by many years of outstanding performance in Zenith black-and-white TV.



New Exclusive Push-Pull Color Level Control — turn to adjust for desired color level. Push control to view either color or black-and-white programs—pull to view for black-and-white pictures only. Dual-purpose control lets you custom tailor your own programs.



New Zenith Automatic Color Cut-Off—another example of Zenith's superior color TV engineering to give you the finest black-and-white pictures. Compatible Zenith circuits automatically lock out color when you tune to black-and-white TV. Assures a finer quality picture, especially in fringe and "noise" areas where artificial color noise is a problem in ordinary color TV. New adjustment permits setting color cut-off level for individual locations and conditions.



New Simplified Zenith Developed Convergence Assembly—A great Zenith engineering development for wonderful color realism! Places colors in proper register on screen to form an exciting, brilliant color picture just as the camera sees it. Simplified design and logical adjustment sequence.



New Exclusive Zenith High Voltage Coil—maintains sharp, brilliant pictures—finest, most reliable high voltage coil in TV! Covering is polyester molded right on the coil—flame and moisture-resistant. Virtually impregnable to any electrical discharge.



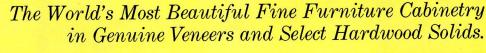
New Zenith High Fidelity TV Sound System—Up to 8 "tone balanced" speakers for thrilling FM high fidelity sound which virtually surrounds the picture—fills the room with rich deep sound! Zenith "Gated Beam" Sound System screens out interference—even in many fringe areas.

New Exclusive Zenith Focus Voltage Adjustment — new simplified design assures greater reliability.

Exclusive Zenith High Gain 3-Stage IF Amplifier — with 3 superior frame-grid tubes for greater reliability, picture quality and sound — even in weak signal areas.

Patented Zenith "Automatic Fringe-Lock" Circuit—locks the picture solidly on the screen! Automatically regulates picture intensity, utilizes new 6BA11 "Miracle" tube for unsurpassed color and blackand-white picture stability.

25,000 Volts of Picture Power – with exclusive new 12GN7 Super High Gain Video Amplifier Tube for outstanding detail and picture realism, extra-bright color scenes.





Magnificent fine furniture cabinetry in authentic, decorator design to enhance the finest home decorator. Choose from French Provincial, Danish Modern, Early American, Italian Provincial, or Contemporary designs. There is a Zenith fine furniture Color TV designed to beautify your home.

# ENITH COLOR TELEVISION

with SPACE COMMAND REMOTE CONTROL

the original Cordless Remote TV Tuning that controls television with silent sound

YOU TUNE TV FROM YOUR EASY CHAIR WITH **NEW TRANSISTORIZED "400" SPACE COMMAND** 

Now! Enjoy COMPLETE Remote Operation... No need to turn TV "on" or "off" manually at the set ... change channels...adjust volume from across the room!

> JUST PRESS A BUTTON ON THE SPACE COMMAND UNIT YOU HOLD IN YOUR HAND TO: Turn the set on or off • Change channels to the right • Change channels to the left • Shut off the sound while the picture remains on the screen • Adjust the volume to 3 different levels (low, medium and high)

NO WIRES! NO CORDS! NO BATTERIES! Nothing between you and the set but space!

**High Fidelity Color Television** 

Distinctive Danish Modern lo-boy styling in Walnut

Veneers and solids. 2 big 9" x 6" speakers. Spotlite Control

Panel. Cabinet size: 32" high, 431/2" wide, 207/8" deep.\*

ADVANCE DESIGN

High Fidelity Color Television

\*Add 65%" for tube cap.

Space Command Remote Control

Charming Early American console on casters in Maple

veneers and solids or Mahogany veneers and select hard-

wood solids. Big 9" x 6" speaker. Spotlite Control Panel.

Cabinet size: 311/4" high, 401/2" wide, 201/2" deep.\*

The Edgemont • 6015

195/8" deep.\*

\*Add 6%" for tube cap.

**Space Command Remote Control** 

Superb contemporary styled consolette in

grained Walnut color or grained Mahog-

any color. 5" x 3" speaker. Spotlite Control

Panel. Cabinet size: 341/2" high, 30" wide,

New styling elegance! Carefully tapered compact unit molds into the natural contour of your palm...new conveniently placed op-eration buttons are as close as a move of your finger—with just a press of a button, your set responds magically from across the room

all-in-one

COLOR TV

COMBINATIONS

with High Fidelity Stereo FM/AM · Stereo FM Radio

Elegant Italian Provincial console in genuine Walnut veneers and solids with distinctive Carpathian Elm Burl veneer folding doors. HIGH FIDELITY COLOR TELEVISION with Transistorized "400" Space Command Remote Control. Zenith Custom 2G "Stereo Professional" Record Changer with Custom "Micro Touch" 2G Tone Arm with "Free Floating" Cartridge. Eight speakers (two exponential treble horn speakers, four 31/2" cone-type tweeters, and two 12" woofers). 84 watts peak power output dual channel amplifier on phono and radio. GOLD VIDEO GUARD TURRET TV TUNER. 25,000 volts of TV picture power. Cabinet size: 32" high, 677/8" wide, 201/4" deep.\*

\*Add 61/6" for tube cap.



Contemporary "Lo-Boy" Console in Walnut veneers and select hardwood solids. HIGH FI-DELITY COLOR TELEVISION with 25,000 volts of picture power. GOLD VIDEO GUARD TURRET TUNER. High Fidelity Stereo Phonograph features Zenith Custom 2G "Stereo Precision" 4-Speed Record Changer with Micro-Touch 2G Tone Arm with "Free Floating" Cartridge. Four speakers (two 10" woofers, and two 31/2" conetype tweeters). 24 watts peak power output dual channel amplifier on phono and radio. Cabinet size: 32" high, 631/4" wide, 193/4" deep.\*

\*Add 61/6" for tube cap.

**UHF** Reception

Zenith continuous All-Channel (14-83) UHF tuner available for all non-Space Command Models, Space Command Models take up to 4 UHF Channel strips. (UHF tuner and strips optional at extra cost.)



Deluxe compact table styling in Ebony color, 5" x 3" speaker, Patented Spotlite Dial. Cabinet size: 241/2" high, 30" wide, 195/8" deep.\* \*Add 6%6" for tube cap.



The elegant Decorator Group—the world's most beautiful fine furniture cabinetry in authentic decorator designs crafted from genuine hardwood veneers and solids.



The World's Finest Performing Color Television

Exquisite French Provincial styling in Cherry Fruitwood veneers and solids 2 big 9" x 6" woofer and one 3½" tweeter speakers. Spotlite Control Panel Cabinet size: 32½" high, 45%" wide, 21½" deep.\*

HANDCRAFTED

# ZENITH COLORIV



veneers and solids. 2 big 9" x 6" speakers plus one 31/2" cone-type tweeter. Spotlite Dial. Cabinet size: 321/2" high, 453/8" wide, 211/2" deep.\* \*Add 65%" for tube cap.



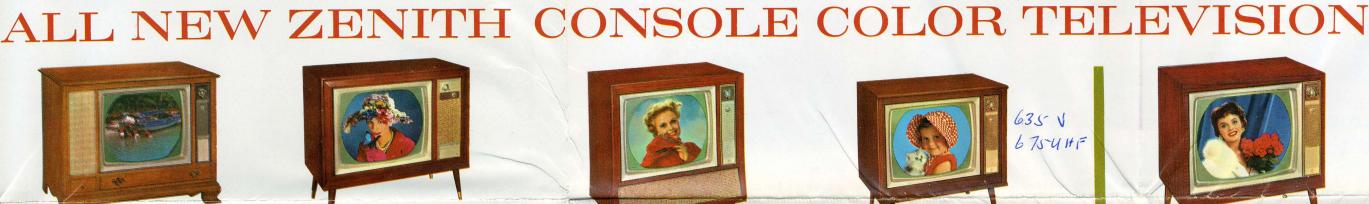
The Piedmont • 5051 **High Fidelity Color Television** 

Elegant Italian Provincial styling in Cherry Fruitwood veneers and select hardwood solids. 2 big 9" x 6" woofer and one 31/2" tweeter speakers. Patented Spotlite Dial. Cabinet size: 32" high, 441/8" wide, 203/8" deep.\* \*Add 65%" for tube cap.



The Colborne • 5041 **High Fidelity Color Television** 

Distinctive Danish Modern styling in Walnut veneers and solids. Patented Spotlite Dial. 2 big 9" x 6" speakers. Cabinet size: 32" high, 431/2" wide, 207/8" deep.\* \*Add 65/6" for tube cap.



The Langton • 5036 **High Fidelity Color Television** 

Charming Early American Console on Casters in Maple Veneers and solids, or Georgian style in Mahogany Veneers and select hardwood solids. Big 9" x 6" speaker. Patented Spotlite Dial. Cabinet size: 311/4" high, 401/2" wide, 201/2" deep.\* \*Add 65%" for tube cap.



**High Fidelity Color Television** 

**Space Command Remote Control** 

19½" deep.\* (Maple 35" high.)

\*Add 65%" for tube cap.

Beautiful Contemporary lo-boy styling in

Walnut veneers and select hardwood

solids, Mahogany veneers and select hard-

wood solids, Blond Oak veneers and solids,

or Maple veneers and solids (with Early

American styled legs and gallery). Big

7" x 5" speaker. Spotlite Control Panel.

Cabinet size: 331/2" high, 367/16" wide,

Elegant Italian Provincial styling in Cherry Fruitwood veneers and select hardwood solids. 2 big  $9'' \times 6''$  woofer

and one 31/2" tweeter speakers. Spotlite Control Panel.

Cabinet size: 32" high, 441/8" wide, 203/8" deep.\*

The Gotham • 5030 **High Fidelity Color Television** 

Beautiful Contemporary lo-boy styling in Walnut veneers and select hardwood solids, Mahogany veneers and select hardwood solids, Blond Oak veneers and solids, or Maple veneers and solids (with Early American styled legs and gallery). Big 7" x 5" speaker. Patented Spotlite Dial. Cabinet size: 33½" high, 36¾6" wide, 191/2" deep. \* (Maple 35" high.) \*Add 65%" for tube cap.



The Talbot • 5027 Trim contemporary styled console in grained Walnut color or grained Mahogany color. Patented Spotlite Dial. Big 7" x 5" speaker. Cabinet size: 36" high, 325/8" wide, 1915/16" deep.\* \*Add 65%" for tube cap.



The Alderson • 5025

The Princeton • 6025

(Maple 34½" high.)

\*Add 6%" for tube cap.

**Space Command Remote Control** 

Trim contemporary lo-boy console in

grained Walnut color, grained Mahogany

color or grained Maple color with Early

American styled legs and gallery. 5" x 3"

speaker. Spotlite Control Panel. Cabinet

size: 33" high, 325%" wide, 2016" deep.\*

Trim contemporary lo-boy console in grained Walnut color, grained Mahogany color, or grained Maple color with Early American styled legs and gallery. 5" x 3" speaker. Patented Spotlite Dial. Cabinet size: 33" high, 325%" wide, 20%16" deep.\* (Maple 341/2" high.) \*Add 65%" for tube cap.



Superb contemporary styled consolette in grained Walnut color, or grained Mahogany color. 5" x 3" speaker. Patented Spotlite Dial. Cabinet size: 341/2" high, 30" wide, 195/8" deep.\* \*Add 65%" for tube cap.



ZENITH'S COMPATIBLE COLOR TELEVISION SYSTEM-All models provide truer, brighter color pictures plus sharper, clearer black and white pictures.

The Covington • 6027

wide, 1915/16" deep.\*

\*Add 6%6" for tube cap.

**Space Command Remote Control** 

Trim contemporary styled console in

grained Walnut color or grained Mahog-

any color. Spotlite Control Panel. Big 7" x

5" speaker. Cabinet size: 36" high, 325%"

**EVERY ZENITH COLOR TV** IS DEPENDABILITY-BUILT

> ... with the finest quality features ever offered in Color TV!



Handcrafted Service Saver Color TV Chassis-No production circuits! All chassis connections hand-25,000 volts of picture

ret Tuner-Built-in de est, clearest picture under all signal con in weak and problem signal areas.

modulator Circuitry of Zenith Color TV provides most true-to-Two Zenith developed

color hue circuits give

the most accurate

hues in Color TV.

New High Fidelity TV Sound System-Up to 8 "tone balanced" FM high fidelity sound which virtually sur-Separate bass and

treble controls. Avail-

Control Panel-Light touch of control bar nel selection at the set. Channel numbers and volume level (low,

easy to see from

across the room.

**New Zenith Spotlite** Dial - Illuminated pears in dial-easy to read from across the Zenith Color TV without Space Command. medium, high) indicators are illuminated



One Step Tuning-Easiest tuning i the channel for a

color program and a

color picture appears

is not broadcast on

any channel, black-

and-white picture au-

tomatically appears.



ing tube face. Bonded

Cinelens Picture Glass

has special non-re



New Simplified Zenith Developed Conver gence Assembly - assures sparkling color realism! Places colors in proper register on screen to form an devices. Tried and exciting, brilliant pic

ture just as the cam-

era sees it. Simplified

design and logical

adjustment sequence



proved in black-and-

dinary color TV using

and-white TV. Assures electrical centering finer quality pictures

New Zenith Automatic Color Cut-Off Circuitry - automatically locks out color

ous color noise is a

problem in ordinary

trol-turn to adjust for desired color level. Push control to view either color or blackand-white programs

pull to view black

and-white pictures



Sweep Transformer able. Flame and mois-

phosphors on the inand Zenith's superior chassis circuitry give you the most exciting color realism and sharper, clearer blackand-white pictures.

New High Fidelity

Color Picture Tube -

**New Exclusive Zenith** Focus Voltage Adjust-

ment Circuit - Zenith

simplified design pro-

color values when changing from channel to channel or when programs

change

**New Zenith Automatic** 

Color Level Circuitry

-only Zenith has it!

Assures uniform color

level at all times. Au-Zenith's own High Gain tomatically compen- Exclusive Zenith Automatic "Fringe Lock" Circuit · Zenith "Gated Beam"

Quality Extras in

**Every Zenith Color TV** 

Zenith Full Powe

· 25,000 volts of picture

Sound System Zenith "Capacity-Plus" **Quality Components** 

Every Zenith Color TV has big 265 sq. in. viewable picture screen.

#### Choose the Zenith difference in color TV...

#### ZENITH ENGINEERING ADVANCEMENTS

your assurance of the world's finest performance in color television



- EXCLUSIVE COLOR DEMODULATOR CIRCUITRY -for most true-to-life color pictures, greater reliability, easier servicing.
- EXCLUSIVE PERMANENT MAGNET PICTURE CENTERING -minimizes drift and service problems-simplified design for greater dependability.
- SIMPLIFIED CONVERGENCE ASSEMBLY -places colors on screen in proper register for gorgeous color pictures just as the camera sees it.
- EXCLUSIVE POLYESTER MOLDED HIGH VOLTAGE COIL -TV's finest, most reliable. Flame and moisture resistant.
- AUTOMATIC COLOR CUT-OFF -automatically locks out color for finer quality picture, when tuned to black and white TV.
- EXCLUSIVE PUSH-PULL COLOR LEVEL CONTROL -push to view color or black-and-white programs only, without disturbing previously set color level.
- AUTOMATIC COLOR LEVEL CIRCUITRY -assures uniform color level at all times for finest picture viewing enjoyment.
- EXCLUSIVE SIMPLIFIED FOCUS VOLTAGE ADJUSTMENT CIRCUIT -new design assures greater reliability.

ZENITH ONE YEAR WARRANTY ON PARTS AND PICTURE TUBE SEE DETAILS IN COLOR TV OWNER MANUAL