

**HOW TO  
OPERATE**

*your*  
**DU MONT**

*teleset*<sup>\*</sup>

MODEL RA-164/165

\*TRADE MARK

**YOUR**  
**NEW DU MONT**  
**TELESET**

The Du Mont you have selected is more than a Television Receiver. It is a fine precision instrument carefully designed and engineered to give you the utmost in television performance.

We at Du Mont have never tried to build the greatest number of television receivers; we have tried only to build the best. No effort has been spared to give you the ultimate in electronic engineering and the finest in hand-crafted cabinetry.

We are sure that you will be proud of the long-lasting investment you have made, for there is nothing quite as satisfying as knowing you own the best.



**THIS INSTRUCTION BOOK** has been prepared to show you how to obtain the most from your new Du Mont Teleset. Read it carefully — familiarize yourself with its simple directions, and you will be rewarded with the finest in television reception.

**OPERATING  
INSTRUCTIONS  
for Du Mont Teleset Models**  
BEVERLY  
CLINTON  
MILFORD  
RIDGWOOD  
SHELBURNE  
WAKEFIELD

**FEATURES**  
**of your new Du Mont Teleset**

**NEW DUMONT SELFOCUS PICTURE TUBE**

that eliminates all focus controls and provides automatic fine focusing over the entire picture area.

**ANTI-GLARE TUBE FACE**

Cylindrical surface, tilted tube and safety glass on 21" Screen Telesets deflect reflected light down away from your eyes.

**READY FOR UHF**

Built-in provision to receive any new UHF station by simply replacing a tuning strip.

**NEW DU MONT SUPER NOISE GUARD**

Guards your Teleset from the detection of electrical noise. Excludes noise from vital circuits.

**NEW LOW NOISE CASCODE TUNER**

Super-sensitive circuit receives pictures amazingly free from background fuzziness and haze. Most sensitive type tuner made today!

**FRINGE AREA RECEPTION**

New high power receiving circuits, sensitive to weak or distant signals, deliver a Full Range Picture in fringe areas.

**PLUS . . .**

greatly over-size parts for cooler operation, longer life, surer dependability.

# IMPORTANT FACTS

## CAUTION

Your Du Mont Teleset is designed for operation only on 105-129 volt, 60-cycle alternating current. Connection to any other type of current may cause serious damage. So—if your Du Mont has been delivered before the arrival of the installation man — don't attempt to connect it.

## REAR CONTROLS

When the service technician installs your Teleset he will adjust the controls on the back of the cabinet. Do not attempt to adjust these controls yourself or disturb them after they have been properly set.

## NOTICE

Do not remove the back panel of your Teleset. No one but a trained technician should attempt to make adjustments inside of the cabinet.

## CABINET CARE

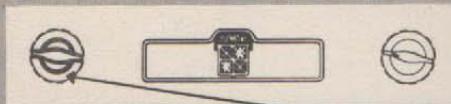
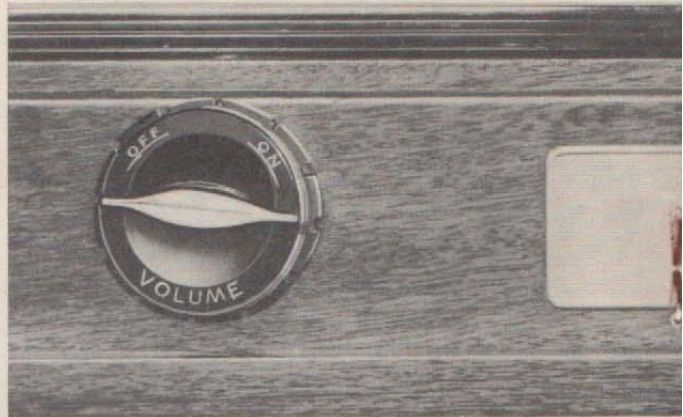
Your Du Mont cabinet has been made from the finest woods obtainable, correctly seasoned and worked by experienced craftsmen of fine furniture. Regular care will preserve and enhance its beautiful finish.

It is recommended that for the first three months you wax or polish the cabinet about once every two weeks. After this, a monthly polishing will protect the finish against normal wear and accidental spilling of water or alcohol.


The polish should be applied to the surface and quickly rubbed until the surface is free of film, leaving it in a condition that will not readily show finger-marks.

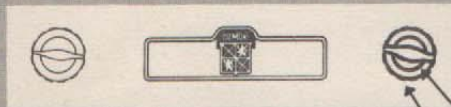
Do not use polishes containing abrasive materials, or solvents incompatible with lacquer, as these will tend to soften or even remove the finish.

# HOW TO TUNE YOUR DU MONT TELESET





## 1.

Turn inner knob  
**OFF-ON-VOLUME CONTROL** right  about one-third turn. Allow about 30 seconds for the set to warm up.



## 2.

Turn inner knob  
**STATION SELECTOR** to desired channel.  
Turn outer knob  
**FINE TUNING CONTROL** left  until it stops then right  about one-half turn.

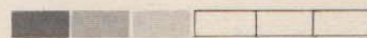
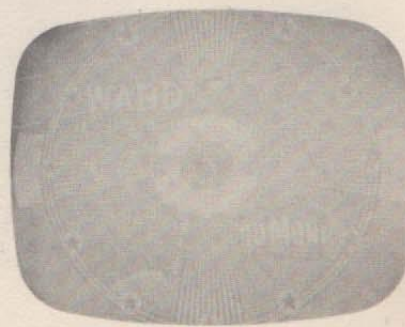


## 3.

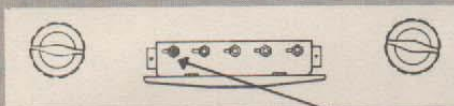
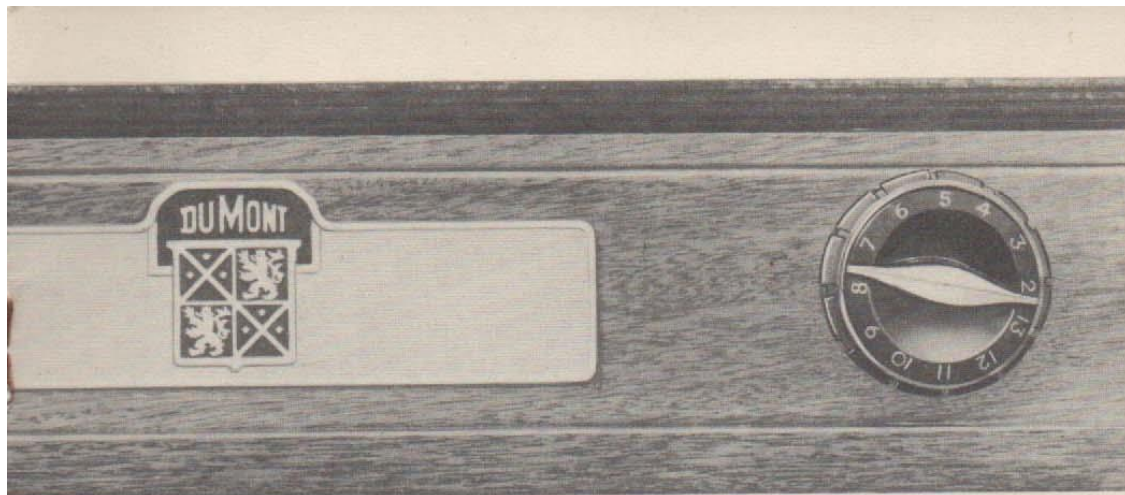
Turn outer knob  
**PICTURE CONTROL** left  until it stops then right  about one-half turn.



NORMAL



CONTRAST TOO LOW



**4.**

Open control panel door  
Turn **BRIGHTNESS CONTROL** left (↶) until it stops  
then right (↷) until the picture is barely visible.  
(If picture is not steady see Page 6.)



**5.**

Adjust outer knob  
**PICTURE CONTROL** until the  
black, gray, and white tones of the picture  
are most pleasing.



**6.**

Adjust outer knob  
**FINE TUNING CONTROL** until the  
best picture and sound are obtained.

Adjust the **BRIGHTNESS CONTROL** until the most pleasing picture is obtained.  
Readjust the contrast control if necessary. **NOTE:** Once the brightness control has  
been properly set, it requires only occasional readjustment.

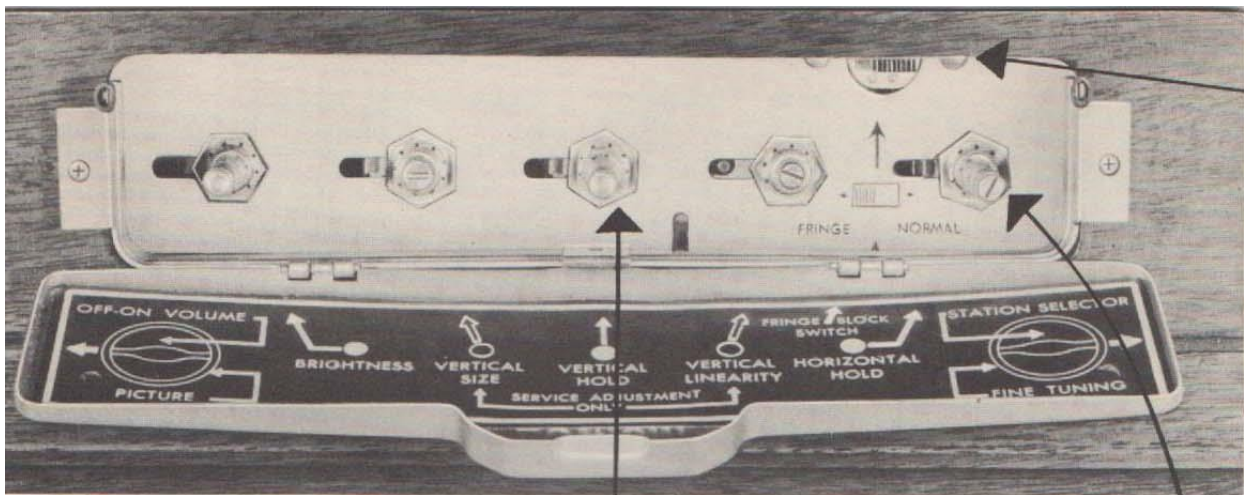


CONTRAST TOO HIGH

A clear, brilliant picture  
should be obtained by following  
the above six steps.

In some instances the picture  
may not hold steady in  
the frame and tend to shift  
vertically or horizontally  
across the screen.

To remedy this condition refer  
to the following page.



## THE HIDDEN CONTROL PANEL

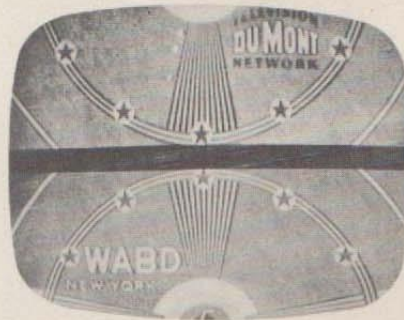
The VERTICAL SIZE, LINEARITY and HOLD controls; the HORIZONTAL HOLD control, the BRIGHTNESS control, and the FRINGE BLOCK switch are located behind the door in the center of the tuning panel.

The VERTICAL SIZE AND LINEARITY controls were adjusted by the service technician when he installed your set. Do not attempt to reset these controls yourself or disturb them after they have been properly adjusted.

The VERTICAL HOLD, HORIZONTAL HOLD and BRIGHTNESS controls, once properly set, require only occasional readjustment. For the adjustment of the BRIGHTNESS control see pages 4 and 5. The adjustment of the VERTICAL and HORIZONTAL HOLD controls and the FRINGE BLOCK switch is described here.

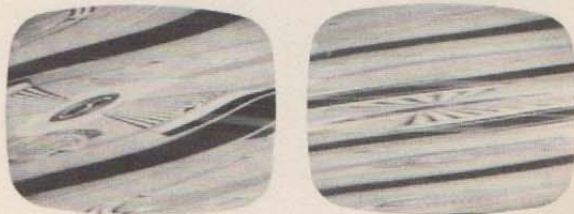
## VERTICAL HOLD CONTROL

should be adjusted when the picture "rolls" up or down in the frame as shown in the picture below. To adjust turn the control slightly left or right until the picture is steady.



## HORIZONTAL HOLD CONTROL

should be adjusted when the picture appears as shown below. To adjust turn the control slightly left or right until the picture is steady.



## FRINGE BLOCK SWITCH

is used to provide best possible reception of both strong and weak signals.

On very weak channels push the switch to the FRINGE position.

On all other channels push the switch to the Normal position.

Your Teleset may not provide the best reception unless the switch is in the correct position. If in doubt, *check the switch!*

If the picture rolls up, down or sideways, after using the FRINGE BLOCK SWITCH, the Hold Controls should be adjusted in the manner previously described.

### RECEPTION CONDITIONS

All the latest technical improvements have been incorporated in your Du Mont Teleset to make available to you the best possible television reception. However, there are occasions when outside electrical disturbances will cause interference with the sound and picture of any television receiver. Some of the most common forms of interference have been illustrated on this page. They are:

- automobile ignition  
and electrical appliances
- radio transmitters and other  
nearby television receivers
- very weak signal

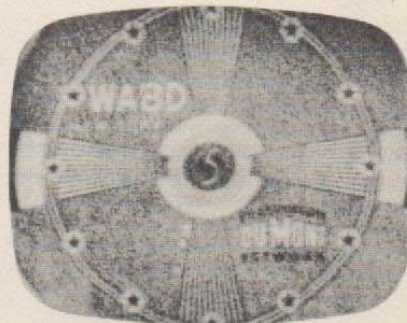
In many cases, the interference will be of a temporary nature, while at other times it may be reduced or eliminated by careful adjustment of the FINE TUNING control.



AUTOMOBILE IGNITION  
AND ELECTRICAL APPLIANCES



RADIO TRANSMITTERS AND OTHER  
NEARBY TELEVISION RECEIVERS



VERY WEAK SIGNAL



## THE STORY BEHIND YOUR DU MONT TELESET

- 1931** — Dr. Allen B. Du Mont, a man who believed that electronics should be seen, not just heard, began to put the “vision” into television with a laboratory curiosity called a Cathode-ray tube. With a borrowed \$1000, Du Mont started an experimental laboratory in the basement of his home. The Cathode-ray tubes he produced there were far superior to anything then available. By constantly discovering new industrial uses for these tubes, Du Mont began to broaden his market. Sales of Du Mont Cathode-ray tubes during the next few years enabled the infant company to expand its resources while it carried on the unending experimentation with television.
- 1938** — Du Mont television receivers, the first to be made and sold commercially in the United States, began to roll off the assembly line. And because receivers were useless without programs, 1938 also marks the beginning of a regular schedule of telecasting from a temporary transmitter in Du Mont’s Passaic, New Jersey, factory.
- 1939** — The New York World’s Fair. Millions of people saw television for the first time, and the television they saw was Du Mont. As a result many Du Mont receivers were made and sold that year. Many of them are still giving excellent service today.
- 1940** — Du Mont opened a second transmitter in New York. Television was off to a flying start.
- 1941** — The year 1941 saw the entire resources of the Du Mont organization summoned to the country’s defense. All of the Du Mont manufacturing and engineering skill was needed... for Radar... for test equipment... for sighting guns. Such were the tools of war produced by Du Mont plants from 1941-1945.
- 1945** — Du Mont opened still another transmitter in Washington. When this station was connected by cable to the New York Station, Du Mont had the start of the first commercial television network.
- 1946** — World War II over, it was again possible to make television receivers. Du Mont was first on the market in 1946 with a new line of high-test high-performance sets. Since then, the company has multiplied its production, and today operates many factories, including the world’s largest television assembly plant.
- Today** — Du Mont has continued through constant research and development to maintain its leadership in the field of electronics. Rigid standards of manufacture and inspection are reflected in the fine quality and dependable performance of your Du Mont Receiver.

# WARRANTY

ALLEN B. DU MONT LABORATORIES, INC. (Herein referred to as "Du Mont") warrants that each new Du Mont Television Receiver (Teleset), including the Cathode-Ray Picture Tube (Teletron), originally installed therein, is free from defects in material or workmanship under normal use and service for a period of 90 days from the date of sale by an authorized Du Mont dealer to the first purchaser for use, except that the warranty period applicable to the Teletron shall be one year from the date of such sale. If any such defect occurs during the warranty period, the purchaser should immediately communicate with the authorized Du Mont dealer from whom the Teleset was purchased or, if the Teleset is being serviced by an authorized service organization other than the Du Mont dealer, then such authorized service organization should be immediately notified of such defect. The defective part should be returned promptly through the Du Mont distributor to Du Mont's factory, transportation prepaid, and if, upon examination by Du Mont, the part is determined to be defective in workmanship or material, Du Mont will, subject to the conditions and limitations below mentioned, either repair the defective part or replace it with a new part. Du Mont shall not be obligated to furnish any labor required in installing or servicing the Teleset including the removal therefrom of any defective part or the installation of a replacement part; nor shall Du Mont be liable for any delay or failure to furnish a replacement part resulting directly or indirectly from any governmental restriction, priority or allocation or any other governmental regulatory order or action. This warranty does not apply to any Teleset that has been subject to negligence, accident, misuse or improper operation, or that in any way has been tampered with, altered or repaired by any person other than an authorized Du Mont dealer or service organization or employee thereof, or to any Teleset whose serial number has been altered, defaced or removed, or to any Teleset purchased within, and thereafter removed beyond, the continental limits of the United States.

This warranty shall be effective only if the Teleset has been registered with Du Mont, at its factory, at Paterson, New Jersey, within ten (10) days after purchase of the Teleset by the first purchaser for use.

This warranty is in lieu of all other warranties, express or implied, and no one is authorized to assume any liability on behalf of Du Mont or impose any obligation upon it in connection with the sale of any Du Mont Teleset, other than as stated above.

ALLEN B. DU MONT LABORATORIES, INC.

*Allen B. Du Mont*

President

## A FINAL WORD

Like all fine possessions your Du Mont Teleset deserves expert care. If service is required be sure to contact an Authorized Du Mont Service Organization. Their skilled technicians use factory approved methods and genuine Du Mont replacement parts. If your picture tube is replaced, insist on a Du Mont Teletron\* tube.

# DU MONT

*First with the Finest in Television.*