



GUARANTEED PERFORMANCE

MONEY BACK GUARANTEED TO RECEIVE *All* UHF and *All* VHF STATIONS IN *All* DIRECTIONS FOR 60 MILES WITHOUT A ROTORMOTOR OF ANY KIND!!

**SO NEW! SO DIFFERENT!
IT'S PATENTED!**

#2,585,670
#2,609,503
#2,625,655
#2,644,091

OTHERS PENDING

NEW POLYMICALENE 4 CONDUCTOR TRANSMISSION LINE

- Low Loss External - Air Dielectric
- Matched Impedance
- Eliminates End Sealing
- Eliminates Condensation
- Up to 50% Less Loss Than Tubular When Wet
- Easily Spiraled
- No Breaking or Shorting
- Patents Pending - T. M. Reg.



WORLD'S MOST POWERFUL UHF - VHF TELEVISION ANTENNA

While antenna reception is guaranteed for 60 miles, perfect pictures have been consistently received as far as 160 miles from stations.

All NEW DESIGN FOR '54

- LOW-LOSS SWITCH
- LOW-LOSS PHENOLIC INSULATORS
- USES NEW 4-CONDUCTOR MATCHED IMPEDANCE LINE
- ONLY 10 INCH SPACING BETWEEN ANTENNA BAYS



The 9 position selector switch electronically rotates the antenna in a stationary position.

LIST PRICE

\$36.75

SEE YOUR LOCAL JOBBER

PRICE INCLUDES

Complete stacked array • 4 stacking bars • 9 position switch • Switch-to-set coupler • 2 - 7 1/2" stand offs • Individually boxed in mailable carton

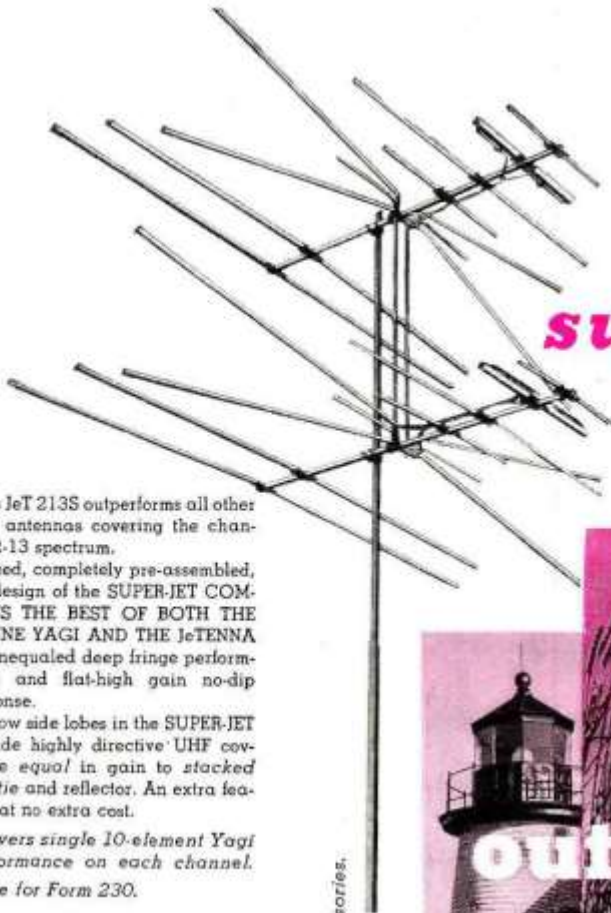
Money Back Guarantee
IN ALL LOCATIONS IN EVERY AREA
WITH STATIONS IN ALL DIRECTIONS

The new All Channel Model Super 60 is guaranteed to bring in, immediately on installation, every UHF and every VHF station within 60 miles in any direction, giving clearer and sharper pictures than any antenna or combination of antennas with or without rotor motors.
If, immediately on installation, it fails to do this, we agree to refund to the jobber to whom we sold and shipped it, his full purchase price.

ALL CHANNEL ANTENNA CORP.

70-07 Queens Blvd., Woodside 77, N. Y.

Hickory 6-2304



THE JFD
super-jet

JFD's JeT 213S outperforms all other VHF antennas covering the channel 2-13 spectrum.

Rugged, completely pre-assembled, the design of the SUPER-JET COMBINES THE BEST OF BOTH THE BALUNE YAGI AND THE JeTENNA for unequalled deep fringe performance and flat-high gain no-dip response.

Narrow side lobes in the SUPER-JET provide highly directive UHF coverage equal in gain to stacked bowtie and reflector. An extra feature at no extra cost.

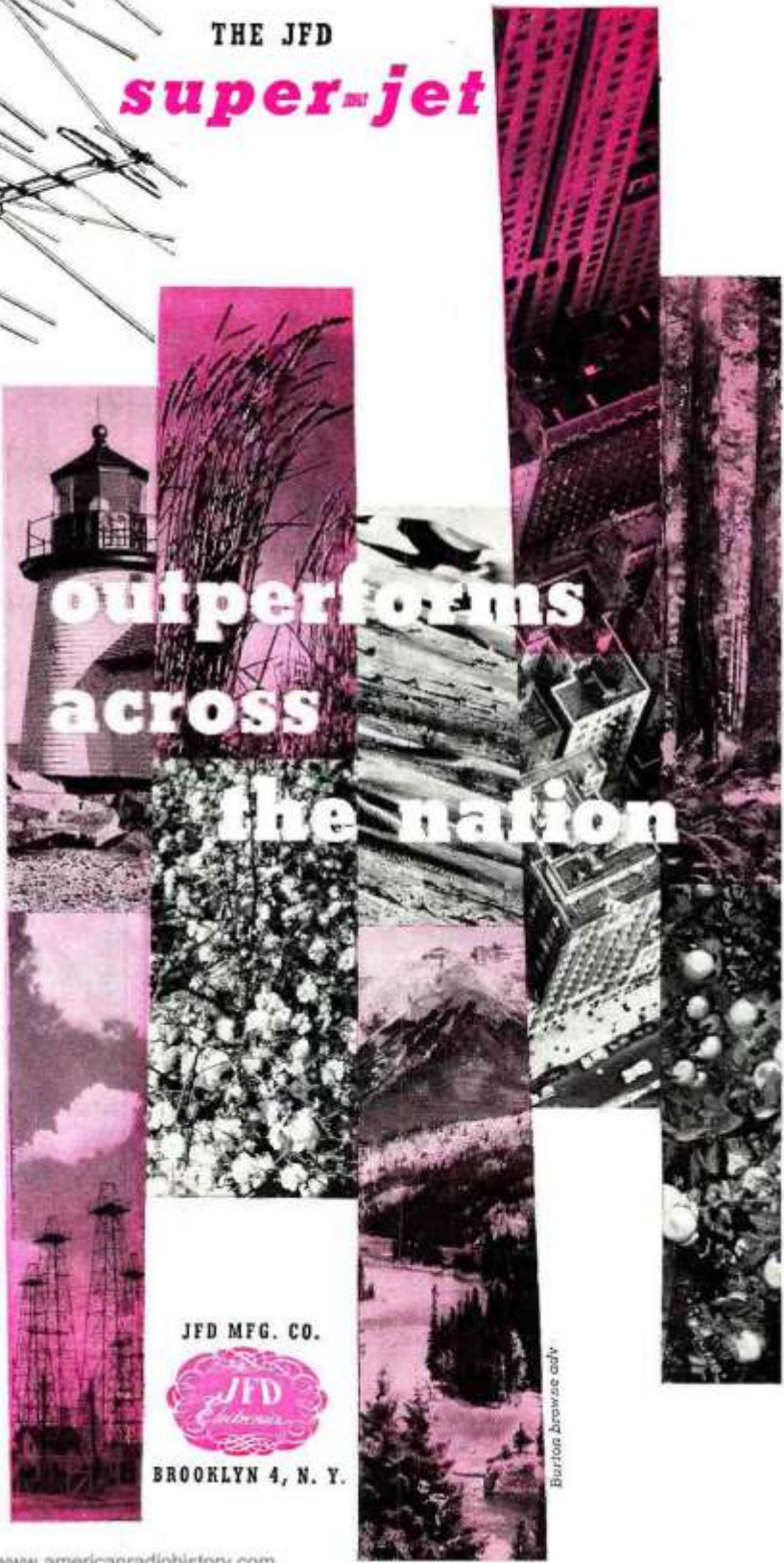
Delivers single 10-element Yagi performance on each channel.
Write for Form 230.

HERE ARE THE FACTS—
COMPARE FOR YOURSELF.

JFD JeT 213 S	Competitor D GHS 2-13 YAGI	Competitor C RADAR SCREEN TYPE B	Competitor B RADAR SCREEN TYPE A	Competitor A MATHRES (4 STACK)	C H A N N E L S
6.5	4.50	0.75	0.0	4.0	2
7.5	5.00	3.25	3.0	5.0	3
9.5	5.75	4.5	4.0	7.0	4
8.5	3.00	3.5	3.25	6.25	5
8.5	2.50	3.5	3.0	5.0	6
11.0	3.50	6.0	4.5	5.25	7
11.0	1.00	7.0	7.0	6.0	8
12.0	0.0	6.5	7.0	5.25	9
12.0	.875	7.75	8.0	7.25	10
11.25	.875	8.0	10.0	9.25	11
12.75	.50	7.5	10.0	6.5	12
12.0	7.5	6.0	9.0	7.0	13
DB GAIN					
YES	NO	NO	NO	NO	3" Square Cross Arm Completely Pre-Assembled
YES	NO	NO	NO	YES	LIST PRICE
\$42.50	\$65.80	\$47.50	\$34.95	\$55.00	

Model JeT 213 • single • \$20.75 list
Model JeT 213S* • stacked • \$42.50 list
*Complete with stacking transformers.

World's largest manufacturer of TV antennas and accessories.



outperforms
across
the nation

JFD MFG. CO.



BROOKLYN 4, N. Y.

Barton Browne adv.

15 reasons why VEE-D-X IS YOUR BEST CHOICE

UHF ANTENNAS



MODEL BT-U — The aristocrat of Bow-Tie antennas. Superior in both construction and performance. Can be stacked for extra gain. Compare!



MODEL CA-U — Famous Co-linear that has highest gain of all broad band fringe area UHF antennas. Also available in Dual Jr. models for specific area requirements.



MODEL COR-U — The Corner Reflector has 40% higher gain than a single Bow-Tie. Finest construction with rugged Fiberglas boom and solid aluminum elements. Minimizes probing.



MODEL LJ-U — The UHF Long Jahn. Single-channel, 8-element yagi for primary and fringe areas. Compact, efficient, pre-assembled, easy-to-install.



MODEL LL-U — The most powerful of all single channel UHF antennas. Has rugged Fiberglas boom and solid aluminum elements.



MODEL UQT — Famous Ultra Q-Tee all-channel (2-83) UHF-VHF antenna. Has printed circuit filters — ideal for primary areas.

*Lic. A.A.K. Pat. 2,422,458; 2,262,292; 2,611,086; others pending.

3 NEW IMPROVED MODELS OF THE FAMOUS VEE-D-X MIGHTY MATCH

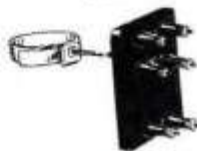
Finest Most Efficient Cross-over Network Filters Ever Perfected



NEW MM-40 — (Yellow case) (For combining separate UHF and VHF antennas to a single transmission line.) New, more efficient patented* printed circuit. Amazingly low insertion loss. New type terminals. New moisture-resistant case.



NEW MM-40A — The ideal single line termination filter for use at set or converter having separate terminals for UHF and VHF. Patented* printed circuit.



NEW MM-25 (green case) — Permits the use of a single transmission line between separate high and low channel VHF antennas. New improved patented* printed circuit. Amazingly low insertion loss. New type terminals. New moisture-resistant case.



NEW VEE-D-X

UNIVERSAL LIGHTNING ARRESTER
For UHF — VHF — AM — FM
Takes all popular transmission lines
flat-tubular oval round open wire

MODEL ULA is the finest, most efficient lightning arrester ever perfected. Completely eliminates the need for separate lightning arresters for each type of transmission line. This one arrester takes 'em all. Compact, clean-cut, inexpensive and employs newly developed printed circuits. It literally obsoletes all other lightning arresters.



FREE

Write for your copy of this complete new 36 page pocket guide to the world's finest antenna systems.

VEE-D-X tra Special



the one and only all-channel yagi

Model SP

HIGH GAIN FRONT-TO-BACK DIRECTIVITY

Think of it — all the desirable features of a yagi — yet with all-channel performance in a single, easy-to-install antenna. Technically, the VEE-D-X-tra Special is a 9-element hi-low yagi (5-elements on high channel — 4 on low) "T" matched. The hi-low sections are phased together with a new isolation filter MM-25. The ideal antenna for all-channel power — for directivity — and for eliminating interference from unwanted stations. A honey for use with VEE-D-X Rotator.



NEW VEE-D-X ANTENNA ROTATOR

Acclaimed the finest in design, construction and performance. Clean-cut, in-line styling. Fast and easy to install. Beautifully styled Control Console operates with convenient downward pressure. Choice of two colors.

VHF ANTENNAS



MODEL JC — For the most powerful single channel performance. A popular 5-element yagi. Easy-to-install.



MODEL DC — The famous VEE-D-X low cost 5-element yagi with original VEE-D-X Delta Match construction.



MODEL DX — The famous economy super power yagi. Has 30% higher gain on high channels than any other 10-element yagi. Delta Match and boom braced.



NEW BROAD BAND YAGIS — Finest of all. Available in both 10-element "X" series and 5-6 element "V" series, each in 3 cuttings, cover entire VHF channel range.



MODEL QT — The brilliant Q-Tee all-channel VHF antenna with patented* printed circuit channel separators. New improved construction and performance. Can be stacked for additional gain.

LaPointe ELECTRONICS INC.
ROCKVILLE, CONNECTICUT N-12

Send copies of your new complete antenna booklet.

NAME

STREET

CITY

ZONE

STATE

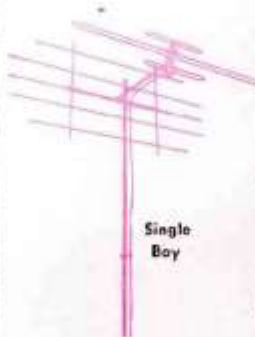
he CHAMPION is the most sensitive all-channel VHF antenna ever designed!

Stacked CHAMPION provides:
11-13 D B High Band gain
6½-7½ D B Low Band gain

Here is a totally NEW kind of antenna, completely different — in principal and performance — from any VHF antenna you've ever seen! Since the lifting of the TV freeze means a gradual disappearance of the single-channel VHF area, the VHF antenna of the future will be a multi-channel antenna. Prepare now for outstanding reception on all VHF channels — present and future — with Channel Master's super-sensitive CHAMPION! Outperforms every all-channel VHF antenna made today — and many Yagis, too!

COMPARE these features with the antenna you are now using:

- Folded dipoles throughout — give close to 300 ohms impedance across the entire band.
- Screen-type reflector provides high uniform gain on every channel, 2 through 13. Not frequency sensitive — this reflector provides more than twice as much extra gain as straight bar reflectors.
- Phase-correcting harness is built-in and fully assembled; the only wiring you do is to attach the lead-in.
- All-aluminum construction . . . lightweight, durable, non-corrosive.



Single Bay

MARVEL OF PRE-ASSEMBLY

assembles faster than a 5-element yagi!

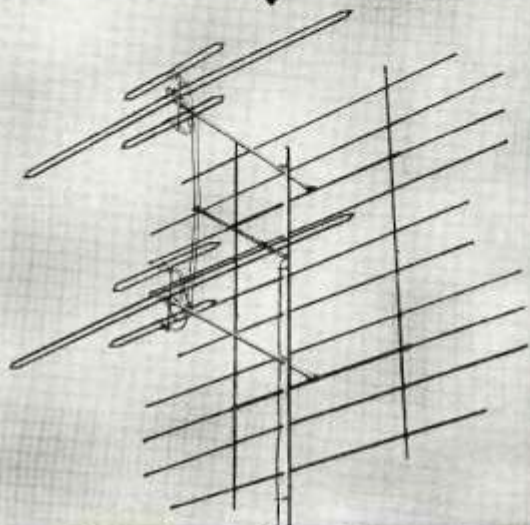
Collapsed "Pop-Up" screen opens instantly — no loose rods, elements or hardware. "Tri-Pole" assembly features automatic Spring Lock Action — all dipoles snap permanently into place without wing nuts or any other hardware.

It's a CHAMPION in any area!

- 1-bay—local areas
- 2-bay—secondary and fringe areas
- 4-bay—super-fringe areas

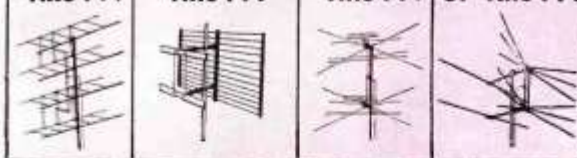
Copyright, 1953, Channel Master Corporation

THIS ANTENNA...



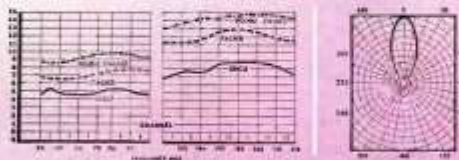
OUT-PERFORMS:

this ... this ... this ... or this ...



The 2-Bay CHAMPION actually gives you the performance of:

- Separate 5-element Yagis for every Low Band channel!
- Separate 10-element Yagis for every High Band channel!



Model No.		List Price
325	Single Bay	\$20.83
325-2	2-Bay	\$42.36
325-4	4-Bay	\$88.89
Separate Stacking Harness		
325-3	2-Bay Harness	\$ 2.08
325-5	4-Bay Harness	\$ 4.15

Send for complete technical literature.

CHANNEL MASTER CORP.

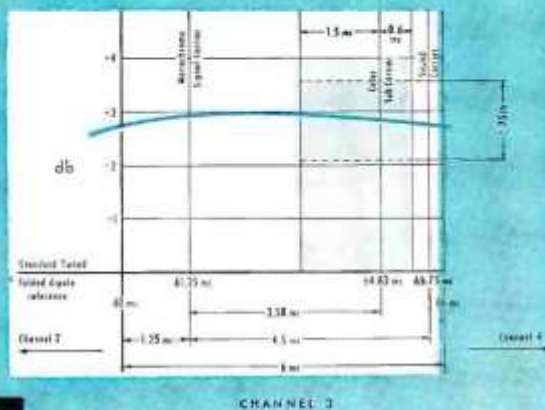
ELLENVILLE, N. Y.



you're ready for

COLOR TELEVISION

with an AMPHENOL **INLINE***



Color television is fast becoming a reality! Sets are expected to be available the first part of next year and stations are purchasing the necessary transmitting equipment. Initial costs, unfortunately, will be high but as improvements in design and production are achieved the price of color television will become within everyone's reach.

The consumer is concerned with the problems presented by television in color. He has read reports on prices and availability; all have been conflicting. He knows, however, that his set will have to be replaced or converted. What he does not know is that if he has an AMPHENOL INLINE*, there will be no extra expense in antenna or installation! AMPHENOL engineers provided for color in the original design of the INLINE*.

Every dealer, distributor and installer will want to acquaint their customers with this reassuring information. The color television market is potentially tremendous. It certainly will prove of benefit if the consumer can be reassured on one part of the cost of conversion to color.

The fact that AMPHENOL INLINES are able to receive color television so well reflects favorably upon the engineering ability of AMPHENOL. For in ordinary black and white television the same level-gain design has proved valuable. Set owners know, now, that their AMPHENOL INLINE* is providing them with the best black and white picture their sets can deliver.

*Reissue U.S. Pat. No. 23,273

Antenna Electrical Requirements for COLOR TELEVISION

Information now available on color television has made it clear that the receiving antenna must have these characteristics:

- 1 Antenna gain must be flat, no gain or loss greater than one db, within 1.5 mc below and 0.6 mc above the color sub-carrier* (a width of 2.1 mc).
- 2 Antenna gain must be held down across the FM frequencies. Rejection of FM signals is much more important in color than in black and white television.

*Channel frequency widths are at present divided between the monochrome amplitude modulation picture carrier and the frequency modulation sound carrier. The addition of the color sub-carrier is made at 3.58 mc above the monochrome carrier.

The AMPHENOL INLINE* fully meets the two conditions listed above. Besides being engineered to reject FM signals, from 88 mc to 108 mc, the IN-LINE provides very level gain across all channels, particularly over the color sub-carrier. Typical of the IN-LINE's performance on all channels is the gain chart illustrated above for channel 3.
*Measured in accordance with proposed RETMA standards.

AMERICAN PHENOLIC CORPORATION
chicago 50, illinois

AMPHENOL

www.americanradiohistory.com

TRIO *proudly announces*

The New ZIG-ZAG

"TWIN-SIX"

(A significant addition to the Zig-Zag line)

... the greatest advance ever made in ALL-CHANNEL antenna design!

Not content to bring out just another all-channel antenna, TRIO studied and tested every other model available. Months of research produced the "Twin-Six", a Zig-Zag that provides all of the desirable features indicated above. Quantitative ratings for antennas are practically meaningless because of some exaggerated claims. For this reason, the "Twin-Six" is announced without the usual gain charts. The new "Twin-Six", however, equals and, in most cases, greatly exceeds the gains of these antennas on every channel. For instance, the "Twin-Six" showed a 2 to 6 db higher gain than a competitive antenna which is advertised as having a 12 db gain.

MINUTE-UP ASSEMBLY

There's no antenna easier to assemble. Shipped with all hardware mounted on the boom. Complete assembly consists of matching elements to color coded insulators and snapping on spring clips. Improper assembly impossible.



Insulators come mounted on boom and are designed that "snapping-on" is impossible. Antenna elements mounted merely by snapping on the spring clips.



Pre-assembled high channel elements are swung into position and quickly locked by nutting brackets.



Team the new Zig-Zag "Twin-Six" with the dependable TRIO rotator for the maximum in TV enjoyment!

NEW ZIG-ZAG "TWIN-SIX" OFFERS:

Measurable Higher Gain On All VHF Channels Than Any Other Single Bay All-Channel Antenna

PLUS

1. One Horizontal Bay Does It All!
2. Single Lead-In Operation!
3. Easy-Up, One Minute Assembly!
4. Rugged Construction Throughout — No Droop, No Sag! Light Weight — Attractive Appearance!
5. UHF Reception For All Primary Areas!
6. Low Standing Wave Ratio!
7. Built and Backed by TRIO — A Name You Can Trust!
8. Competitively Priced!



TRIO

MANUFACTURING CO. GRIGGSVILLE, ILL.

THE BEST SET IS ONLY AS GOOD AS ITS ANTENNA!

The KAY-TOWNES "BIG JACK" IS *not* A NEW ANTENNA

The "BIG JACK", recognized even by competitive manufacturers as the best performing VHF antenna design ever developed HAS BEEN ON THE MARKET FOR MORE THAN 1½ YEARS!

**WE
CHALLENGE**

any other manufacturer
who claims this design
as his original
idea!

HIGH GAIN ON ALL VHF CHANNELS
PREASSEMBLED

1" HEAVY ALUMINUM BOOM

CRIMPED & DOWEL REINFORCED
HEAVY (7/16" O.D.) ALUMINUM
TUBING

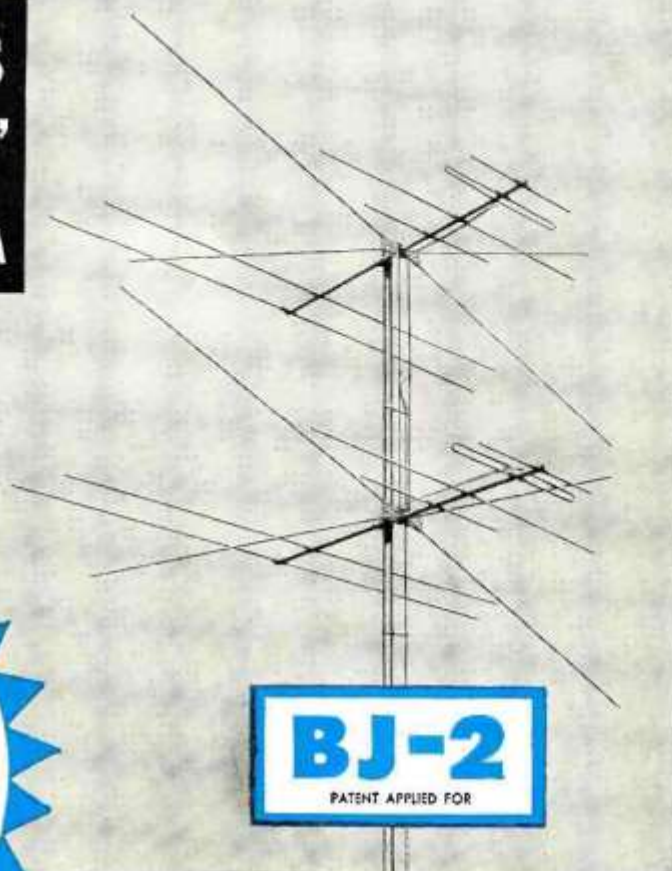
"SURE-GRIP" CAST ALUMINUM MAST
CLAMP WILL NOT SPREAD, BEND OR
COLLAPSE.

Kay-Townes Antennas and Accessories
are sold only through selected whole-
sale outlets . . . Contact your jobber or
write for name of nearest distributor.

Copyright 1953

KAY-TOWNES ANTENNA CO. ROME, GEORGIA

Recognized leaders in the field of fringe area antenna design



KAY-TOWNES' "BIG JACK" ANTENNAS PERFORM WITH OUTSTANDING SUCCESS WHERE OTHERS FAIL!

Kay-Townes technical experience and engineering details plus careful manufacture, all combine to make "BIG JACK" the most advanced antenna on the market today. As a matter of fact, certain other manufacturers who have failed to come up with matching performance in antennas of their own design, have attempted to copy the "BIG JACK" design, with questionable results.

HUNDREDS OF STATEMENTS LIKE THE ONE REPRODUCED HERE, PROVE "BIG JACK'S" SUPERIORITY!

Dear Sirs:

I have one of your BJ-2 "Big Jack" Antennas, which was installed approximately 2 months ago. It has consistently proved vastly superior to any other antenna in this locality. I have nothing but praise for this well made, expertly designed antenna. We receive WSB-TV, Atlanta, channel 2, 165 miles away better than everyone else around here. WAGA-TV, Atlanta, channel 5, and WBTV, Charlotte, channel 3, also come in clear and sharp.

James R. Rule
Oak Ridge, Tennessee

Concord Radio presents the world's most powerful UHF-VHF-FM antenna!



MONEY BACK GUARANTEED

TO RECEIVE *All* UHF and *All* VHF STATIONS IN *All* DIRECTIONS FOR 60 MILES WITHOUT A ROTORMOTOR OF ANY KIND!!

While antenna reception is guaranteed for 60 miles, perfect pictures have been consistently received as far as 160 miles from stations.

All **NEW DESIGN FOR '54**

- LOW-LOSS SWITCH
- LOW-LOSS PHENOLIC INSULATORS
- USES NEW 4-CONDUCTOR MATCHED IMPEDANCE LINE
- ONLY 10 INCH SPACING BETWEEN ANTENNA BAYS

NEW! POLYMICALENE 4 CONDUCTOR Matched Impedance TRANSMISSION LINE

Improves Both UHF and VHF Performance of any ALL-CHANNEL Antenna!

100 Ft.	\$8.90
150 Ft.	\$13.90
200 Ft.	\$17.50

Minimum quantity 100 ft.



Mfg. solely by

ALL CHANNEL ANTENNA CORP.

New York N. Y.

under license Pat. No's 2,585,670.
2,609,503. 2,625,655. 2,644,091.

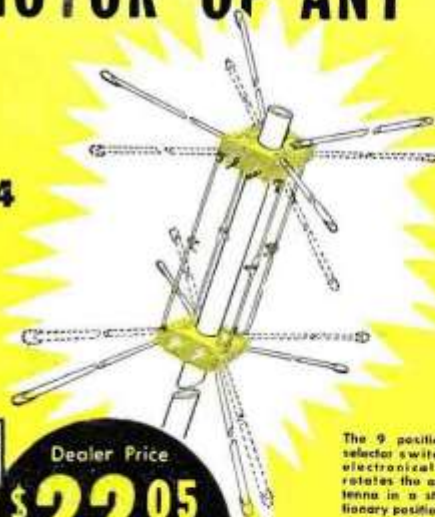
others pending.

WRITE FOR FREE CATALOG

Concord Radio

53 Vesey Street, New York 7, N. Y. • Digby 9-1132

December, 1953



MODEL SUPER 60



The 9 position selector switch electronically rotates the antenna in a stationary position.

PRICE INCLUDES

Complete stacked array • 4 stacking bars • 9 position switch • Switch-to-set coupler • 3 - 7/8" stand offs • Individually boxed in mailable carton

Dealer Price

\$22.05

LIST PRICE

\$36.75

CONCORD RADIO 53 Vesey Street, New York 7, N. Y.

Please send me.....amount at \$36.95 list price.

Please send me.....amount at \$22.05 dealer net.

Dealers order on letterhead.

Please send me.....feet of 4 conductor tubular at

Name.....

Address.....

City.....State.....

Check Enclosed Money Order Enclosed

C.O.D. enclosed please find 25% of total purchase price... check... Money Order. Send Giant New FREE Concord Catalog at once

Please put my name on your "Special Bargain" mailing list.

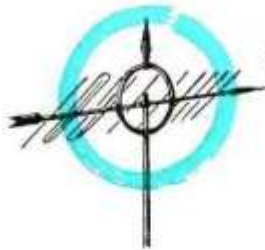
Enclosed find \$.....in full. Send prepaid.

Sparkling Beauty

for the housetops



WARD'S
DYMON-VANE
CONICAL



The Circle-vane . . .
first of Tele-vane
series for Channels
2-6 VHF.



Dave Chapman, S.I.D.
Famous designer of
the Ward Tele-vane
series of TV Antennas.

another in the Tele-vane Series

Ward flashes again with the handsome Dymon-vane, the second model in its new series of Tele-vane TV antennas. Reflecting the modern trend and decor the beautiful new Dymon-vane enhances any home and becomes a valuable prized addition. Clean cut in design, a flawless performer, the Dymon-vane stands out as a glittering solitaire among all other TV antennas. A conical antenna with aluminum elements and black permatube cross arm with wrought adornments, the Dymon-vane is designed for complete coverage of VHF Channels 2-13 in metropolitan, suburban and fringe areas.

The New Dymon-vane comes in single bay or two bay stacked models . . . folded and pre-assembled ready for easy installation.

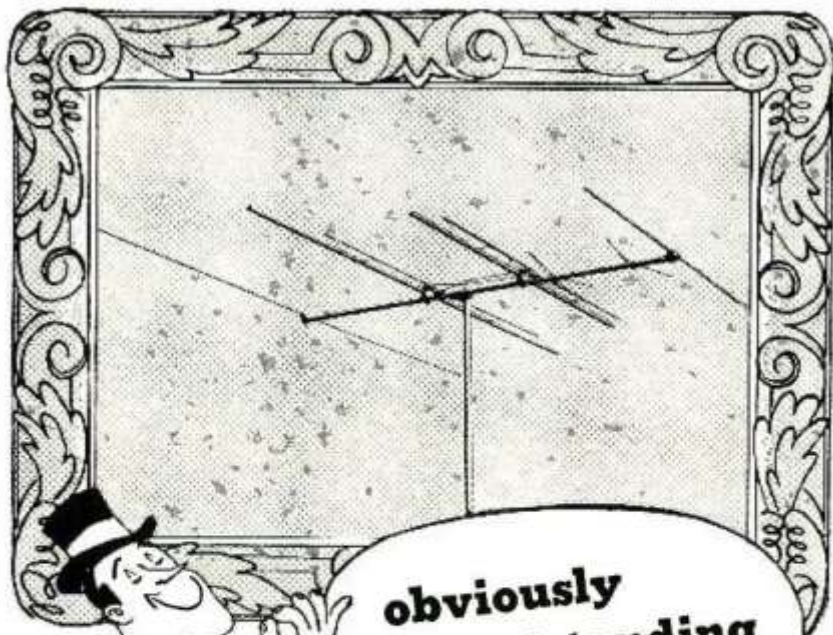
THE WARD PRODUCTS CORP.

DIVISION OF THE GABRIEL COMPANY

1148 Euclid Avenue, Cleveland 15, Ohio

In Canada: Atlas Radio Co., Ltd., Toronto, Ont.





obviously outstanding

the **W W**  **CLIPPER**
VHF all channel antenna

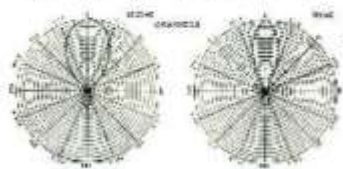
Not Just Claims But Unquestioned Proof Of

- **PERFORMANCE** — an engineering accomplishment providing an outstanding antenna designed for increased sensitivity and higher gain in both primary and fringe areas.
- **ACCEPTANCE** — a phenomenal customer acceptance resulting from WW's superb performance characteristics — thousands in use throughout the U.S.
- **SALES** — performance, design, workmanship . . . outstanding selling points to create unprecedented sales demand. Get your share now!

Specifically engineered and designed for true and complete all-channel VHF reception.

CHECK THESE FEATURES

Performance charts for the W-W Clipper



High Uniform Gain — One Major Forward Lobe — Narrow Beam Reduces Ghosts and Noise Pickup — High Signal to Noise Ratio — Good Front-to-Back Ratio Eliminates Co-Channel Interference — Perfect 300 Ohm Match — Light, Rigid, Quickly and Easily Installed to All Heights — Low Wind Resistance.

ALSO MANUFACTURERS OF

Models 10 and 20 UHF Fans — Models 30 & 40 Colinear Fans — Model UH 6 element UHF Yagi — Model HT High Band VHF Antenna — K series Original Hairpin, Combination Yagi Antenna.

Wells and Winegard
television accessory mfgs.
DEPT. RTN BURLINGTON, IOWA

famous

Telrex 4-BAY "CONICAL-V-BEAMS"®

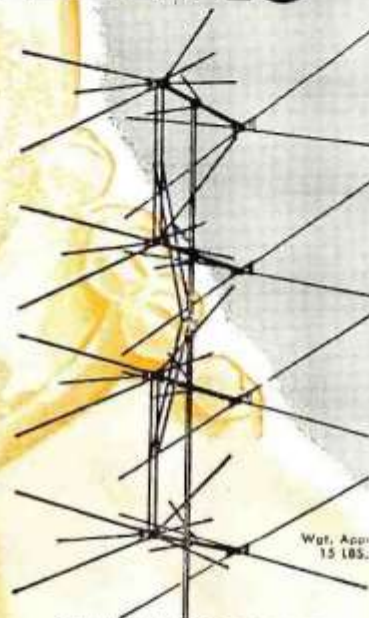
-the acknowledged champion in 1948 and STILL CHAMPION!

Install genuine Telrex "Conical-V-Beams," the Patented uni-directional, one transmission line array. Models for Ch. 2 to 13 or Ch. 2 to 83. See and hear the difference!

If UHF is available or expected, install Telrex "Duo-Band Conical-V-Beam" series. The perfect for rotation hi-gain... hi-F-to-B all-band one transmission line array with automatic transition from low to hi band with no lossy "distribution" pads.

"Conical-V-Beams" are designed for easy stacking as required for your particular reception area. 1 bay "C-V-B" for pri-area, 2 bay "C-V-B" for sec-area, 4 bay "C-V-B" for fringe areas... If a 4 bay "C-V-B" does not provide a usable TV picture, TV reception is either impossible or impractical!

Broadbanded single channel highest gain hi-F-to-B yagis also available from Telrex Antenna Headquarters builders of world renowned communication yagis for amateur or commercial use.



CHAMPION-FOR-DISTANCE MODEL 8X-TV*

The Ultimate in long distance arrays. Guaranteed to out-perform any antenna or combination of 20-to-frequency antennas. When used with Duo-Band splines it comprises the ultimate from Ch. 2 to 83. Unequaled for reception up to 200 miles.

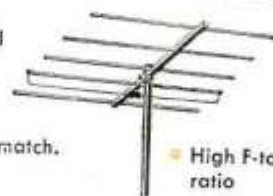


ULTRA-HI GAIN UHF "CONICAL-V-BEAM" MODEL 84

- Four bay uni-directional array
- All in-phase signal addition at all frequencies with no lobe splitting
- All-aluminum light weight and rugged

PRE-ASSEMBLED, PRECISION TUNED 5-ELEMENT YAGI

- High gain, broad-band response
- Excellent 300 ohm impedance match.



- High F-to-B ratio

WRITE FOR COMPLETE TELREX BULLETINS, TODAY!



*PATENTED
ASBURY PARK 7,
NEW JERSEY

Insist on a genuine "Conical-V-Beam." Look for the Telrex Trade-Mark!