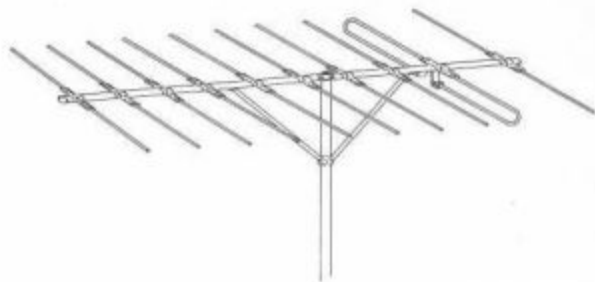


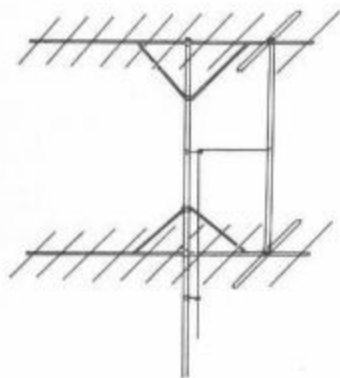
SELECTIVE FREQUENCY OR NARROW BAND FM YAGI ANTENNA

FM/Q

"LONG RANGER"



FM/Q "LONG RANGER" WAS ENGINEERED SPECIFICALLY FOR SINGLE FREQUENCY OPERATION REQUIRING OPTIMUM PERFORMANCE FOR SPECIAL FM BROADCAST SERVICES



TWO-BAY STACKED ARRAY

- ★ RECOMMENDED FOR CONSISTENT HIGH LEVEL SIGNAL STRENGTH AS ESSENTIAL TO
- FM STATION REBROADCASTING
- UNDISTORTED TAPE RECORDING
- LONG DISTANCE FRINGE RECEPTION
- REMOTE STORECAST PICKUP
- MULTIPLEX OPERATIONS

SPECIAL FEATURES OF DESIGN INCLUDE: • 10 element high gain yagi • 12db. forward gain response • 5 mc. operating bandwidth • rustproof stainless steel hardware • designed for your specific FM channel • lowloss recursive dipole.

The FM/Q "Long Ranger" is extensively employed in broadcasting operations, being standard equipment of many FM stations who must rely on quality, performance and dependability. It utilizes the same high standards of quality material and construction that have won FM/Q the acknowledgment of being the very finest FM antennae available.

The multi-element design is most effective in stabilizing FM signals received over long distances. This antenna (and the "Super-Special") is therefore recommended for minimizing fading and pulsing which characterize variable signal strength of weakly received stations in fringe areas of reception.

APPARATUS DEVELOPMENT COMPANY, INC.

Foremost specialists in FM Antenna Systems

DRAWER 153

• WETHERSFIELD 9, CONNECTICUT

WORLD'S MOST POWERFUL **FM** ANTENNA

FM/Q

"SUPER SPECIAL"

FOR THE ULTIMATE IN FM RECEPTION

FEATURING:

- 12 element design yields equivalent performance of a 14 element yagi
- 14 db gain for optimum signal sensitivity
- 88-108 mc broadband coverage
- Rust-proof stainless steel hardware
- Upwards of 300 mile reception
- Good aerial appearance

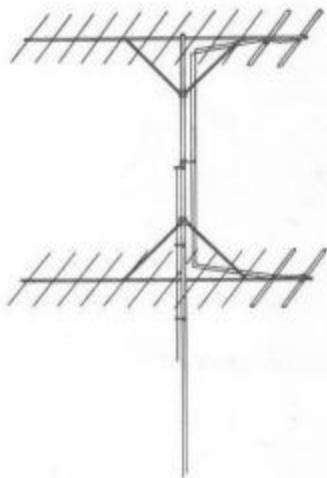
DESIGNED ESPECIALLY FOR VERY-LONG-DISTANCE and EXTREME FRINGE FM RECEPTION

The FM/Q "Super-Special" offers the greatest engineering achievement in providing exceptionally high gain, sharp selectivity and an optimum front-to-back ratio in an order of performance not attained by any other FM Antenna.

No longer need marginal reception be a compromise for fringe listeners. Here, at last, is a superior antenna with enough reserve sensitivity to ensure an effective delivery of the maximum available signal at all times. Distant stations are received with greater signal strength for adequate limiting, freedom from pulsing and a minimum background noise level. *It is the most powerful FM antenna ever offered for high fidelity reception.*

As additional to its superlative performance, the excellence of construction employed is equally outstanding. FM/Q is the only FM antenna utilizing the highest quality materials throughout, including: special heavy-duty burnished seamless aluminum tubing of one-half inch diameter, anti-corrosive and rustproof stainless steel hardware, low-loss dielectric insulators and an open wire phasing harness. These special features of FM/Q electro-mechanical engineering design are essential to good reception, dependability and endurance.

The FM/Q "Super-Special" is unsurpassed for long distance reception and may be installed as a single or stacked array. When stacked, it will yield an extraordinary gain of 17 db. to produce the world's most powerful FM antenna system available.



TWO-BAY STACKED ARRAY

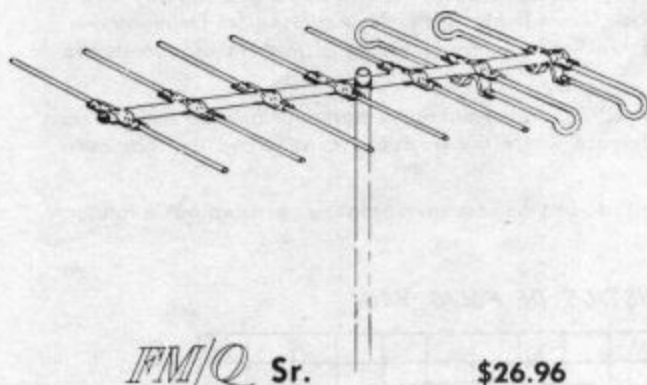


To be fully informed on FM antenna systems, write for a copy of our valuable booklet, "ALL ABOUT FM ANTENNAE AND THEIR INSTALLATION" by L. F. B. Carini, which also contains a complete directory of FM broadcast stations. It will be mailed to you upon receipt of twenty-five cents.

GET MORE GOOD MUSIC STATIONS WITH YOUR FM TUNER BY INSTALLING A HIGH-EFFICIENCY

FM/Q

ANTENNA SYSTEM 72 and 300 OHMS



FM/Q Sr. for optimum signal and long distance

Why be content to listen to only a few FM stations when there are many others to choose from? With a powerful "FM/Q" broadband yagi, your tuner can effectively operate at its maximum sensitivity and really perform as it should. No longer need you limit your listening to local stations, an "FM/Q" high gain antenna will enable you to bring in other stations that were never heard before.

OUTSTANDING FEATURES

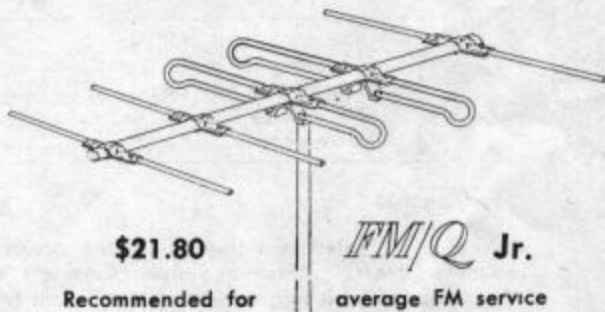
Improved sensitivity of your FM tuner, as resulting from the use of an "FM/Q" broadband yagi, will reveal startling new performance with:

- A. A stronger signal to provide full limiting of heretofore weak and poorly received distant stations.
- B. Broadband frequency covers complete 88-108 mc. band whereas a folded dipole favors only the center of the FM band.
- C. Better AFC action, overcome fading of low power stations.
- D. Optimum signal-to-noise ratio on distant stations and consequently less background noise level.
- E. Minimum distortion for flawless tape recording of live broadcasts.
- F. Minimum interference and noise pickup, especially with a 72 ohm system.
- G. This antenna affords excellent pre-selection of adjacent frequency stations when controlled with a rotator. Eliminates interfering stations that are otherwise inseparable when using either crossed or folded dipole.

FOREMOST ENGINEERING DESIGN

"FM Q" Antennae are unsurpassed for their outstanding performance in providing the best signal level for distortionless reproduction of high fidelity FM broadcasts. The superior engineering design yields the highest attainable gain for maximum tuner sensitivity, exceptional F B ratio and feature the finest mechanical construction of any FM antenna made. It is the only FM antenna that achieves engineering perfection.

"FM Q" antennae are sturdily built of highest quality aluminum seamless drawn tubing. Large oversize elements assure trouble free reception in any weather. All screwbolts, nuts and washers are of rust-proof stainless steel for enduring resistance to corrosion. New high dielectric "Super-Poly" reinforced insulators ensure the lowest loss efficiency and years of dependable service. There is no chance for mechanical disability in the "FM/Q" quality controlled construction.



\$21.80

Recommended for

FM/Q Jr.

average FM service

Note in particular, that the "FM/Q" antenna employs only mortise type clamps throughout; it DOES NOT use any so called "quick-lock or spring-snap" gimmicks which are the cause of 90% of the electrical and mechanical failures common to all other antennas.

UNEXCELLED PERFORMANCE

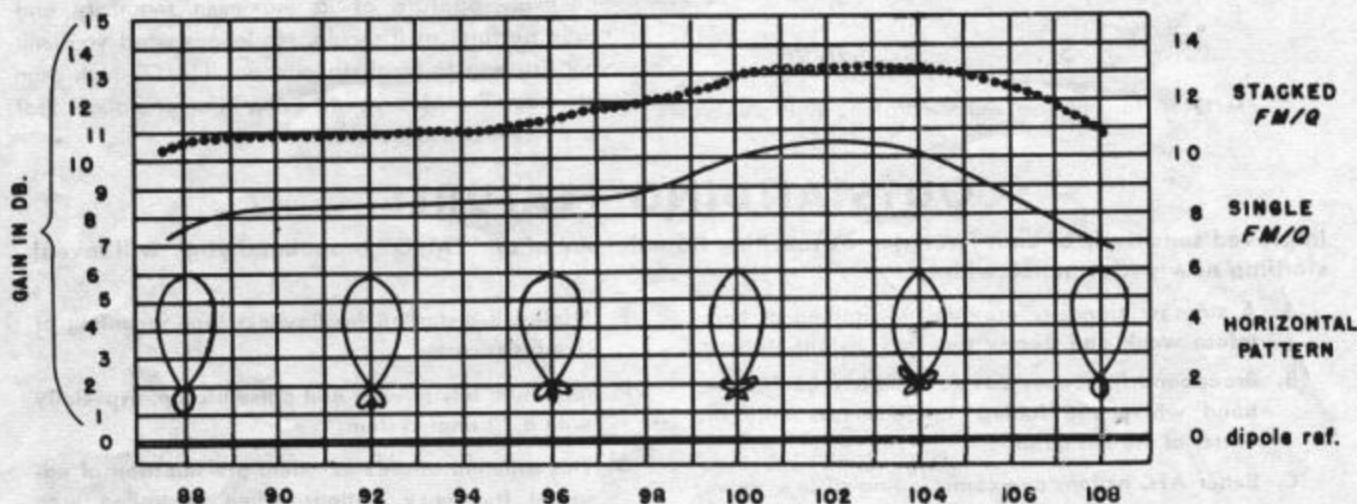
So superior is the "FM/Q" design over all other types, that regardless of the tuner employed, we can assure a revolutionary improvement in the results obtained. The "FM/Q" Sr. model is recommended for FM reception at its finest because it is indisputably the best FM antenna produced.

For fringe reception of long distance stations, the "FM/Q" Sr. antenna has no equal. When stacked as a two bay array, the system yields upwards of $\frac{1}{3}$ rd more gain than a single bay. Accordingly, it is highly endorsed for FM monitoring, rebroadcast pickup, and for attaining higher signal levels where flawless tape recording of live FM broadcasts are principal considerations.

The exceptionally high front-to-back ratio inherent in the "FM/Q" Sr. design makes this particular antenna outstanding among all others for the suppression of co-frequency interference where this trouble is experienced and has been difficult to conquer.

Optimum performance and a high degree of operation is obtained when the antenna is properly operated with a rotator.

PERFORMANCE CHARACTERISTICS OF FM/Q YAGI



EASE OF INSTALLATION

"FM/Q" Antennae are shipped completely pre-assembled with simple directions for making an approved installation. No technical knowledge is necessary and only simple tools are all that is required.

SPECIFICATIONS

	"FM/Q" Sr.	"FM/Q" Jr.
Forward gain in db	9 db av.	6 1/2 db av.
Gain of two bay stack	12 db av.	
Overall size	62" x 86"	65" x 67"
Net weight	5 1/2 lbs.	4 1/2 lbs.

ACCESSORIES

Write for our selective listing of related accessories approved by our engineers and recommended for installing a complete "FM/Q" Antenna System. Complete antenna kits are available with all necessary components included. We also produce a single channel 10 element FM yagi for one specific frequency designed to be the most powerful FM yagi made.

INFORMATION

Audiophiles desiring a thorough non-technical presentation of the subject are invited to write for our valuable book entitled, "All about FM Antennae and and Their Installation" which, also, includes a complete directory of all FM Broadcast Stations. It will be mailed upon receipt of twenty-five cents.

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