

## HOW TO ORDER

To obtain "The Story of FM," fill in the coupon at the bottom of this page and mail it to the General Electric Company at the address below that is nearest you.

187 Spring Street, N.W., Atlanta, Ga.

140 Federal Street, Boston, Mass.

840 So. Canal St., Chicago, Ill.

570 Lexington Ave., New York City

4966 Woodland Ave., Cleveland, Ohio

1801 N. Lamar St., Dallas, Texas

650 Seventeenth St., Denver, Colo.

212 N. Vignes St., Los Angeles, Calif.

1405 Locust St., Philadelphia, Pa.

920 S.W. Sixth Ave., Portland, Ore.

200 S. Main St., Salt Lake City, Utah

1 River Road, Schenectady, N. Y.

\* Dept. of Visual Instruction,  
University of California,  
Berkeley, Calif.

\* A small service charge is made for films ordered from this office.

**NOTE:** This is a 16-mm sound film and cannot be shown on a silent projector.

General Electric Co.

Please reserve your new film, "The Story of FM" for my use on one of the following dates:

1st Choice..... 2nd Choice.....

3rd Choice.....

Signed.....

Organization .....

Street Address.....

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

## Have you seen these G-E films?

**RAILROADIN'**—A three-reel, 16-mm sound motion picture in full color, portraying the saga of railroading from its early days to the present.

**EXPLORING WITH X RAYS**—Available in both 16- and 35-mm widths, this four-reel sound picture tells the story of the X ray since its discovery.

**BEATING TIME**—A one-reel sound motion picture that shows how the American worker is responding to America's call for war production. Available in 16- and 35-mm.

**CURVES OF COLOR**—Another full-color, 16-mm sound motion picture that tells the interesting story of color as revealed by scientific study.

These and many other films, both silent and sound, and in both 16- and 35-mm widths, are illustrated in the G-E catalog of motion pictures. If you don't have a copy of this catalog, write to the G-E office nearest you and ask for a copy of publication GES-402G.

**GENERAL  ELECTRIC**

8-42 (15M)  
Filing No. 6914

GES-3021

## The Story of

# FM

## A New Kind Of Radio

A One-reel 16-mm  
Sound Motion Picture  
Produced in Full Color

**GENERAL  ELECTRIC**



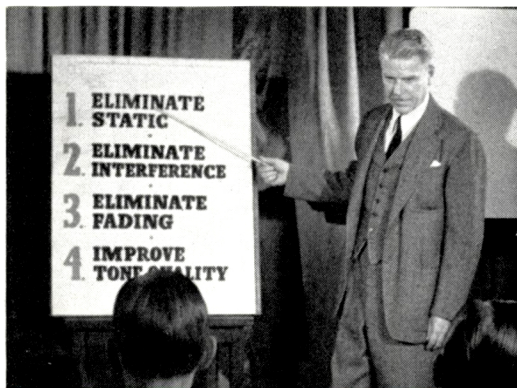
# The Story of FM

The mysteries of frequency modulation radio (FM for short)—the new, improved system of broadcasting that does away with many of the natural shortcomings of conventional broadcasting—are explained in this motion picture.

What causes fading and how does FM overcome it? How does FM make reception virtually static-free, even during severe electrical storms? In what "magic" way does FM single out the station you want to listen to without interference from other stations on a crowded channel? What makes possible FM's perfect tone quality and fidelity of reproduction?

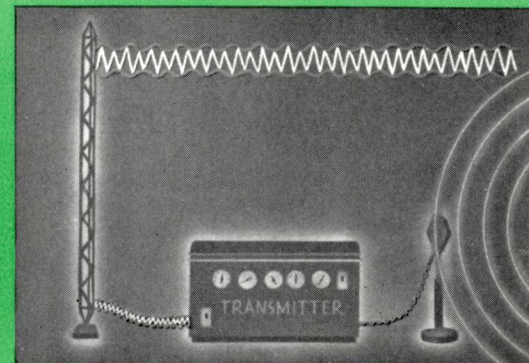
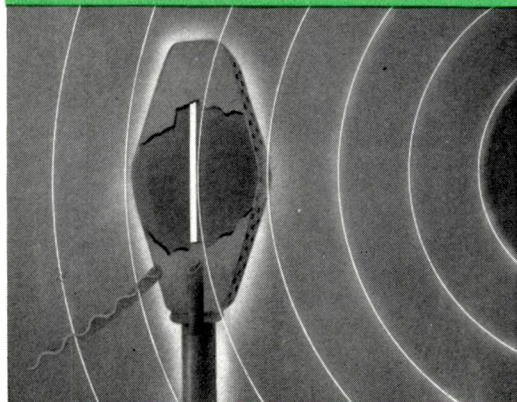
In replying to these questions, THE STORY OF FM answers the very common question "What is radio?" It uses easy-to-understand animation and simple language to describe the difference between frequency modulation broadcasting and the amplitude (AM) system. Demonstrations clearly show the manner in which FM overcomes the imperfections of conventional radio reception.

General Electric makes this film available to schools, colleges, service clubs, churches, and other organized groups at no cost other than the small transportation charge. Complete ordering information will be found on another page of this folder.

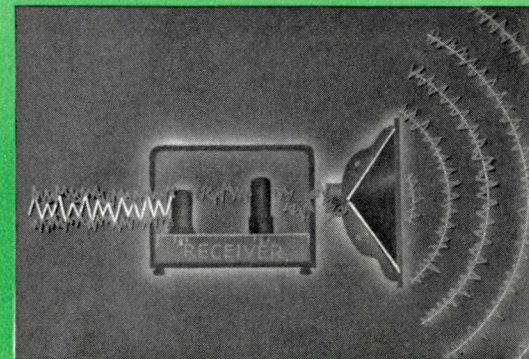


*With the aid of charts and diagrams, the narrator explains that . . . .*

*sound waves, beating against the delicate diaphragm of the microphone . . . in a broadcasting studio . . . .*



*are changed into electrical waves, placed on a stronger "carrier" wave, and radiated into space by the transmitter.*



*When your receiver picks up the signal, it discards the "carrier" wave, amplifies the electrical waves, and, with the help of a loud speaker, transforms them again into sound waves duplicating those produced in the studio.*