

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.

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* 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:

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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

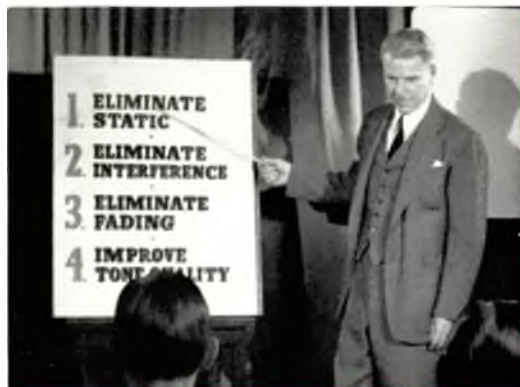
The Story of FM

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

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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.