



• FM •  
FREQUENCY  
MODULATION



**F M B I**



**Status of FM, A Survey**



**High Frequency  
Broadcast Stations**

*Due to the paper shortage, the FCC regulations regarding high frequency broadcast stations were omitted. These regulations will be found starting on page 946 in the 1943 Radio Annual.*



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# FM BROADCASTERS, INC. (FMBI)

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*Washington, D. C.*  
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Myles Loucks in Charge  
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## **Officers**

President ..... Walter J. Damm  
Vice-President..... Theodore C. Streibert  
Secretary-Treasurer..... L. W. Herzog

## **Directors**

John Shepard, 3rd, John V. L. Hogan, Arthur Church, George Lang, Lee B. Wailes, Ray H. Manson,  
Franklin M. Doolittle, Walter J. Damm, Theodore C. Streibert.

## **Functions**

FMBI is a non-profit association of FM boosters founded to see that frequency modulation advances in a coordinated logical manner; to guarantee that its interests are furthered and protected and to represent the FM industry in Washington; to provide an advisory service for its membership stations; to offer liaison between broadcasters and manufacturers interpreting the problems of each; to conduct a program of promotion and publicity aimed at stimulating public interest, and to provide a competent and accurate service for the truthful dissemination of information concerning FM. Membership includes individuals and companies who have an FM station, a construction permit or an application on file with the FCC for one.



# STATUS OF FM—1943-1944

By *M. H. Shapiro*  
Managing Editor, RADIO DAILY

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THAT broadcasters throughout the country are thoroughly FM conscious was plainly indicated by the remarkable attendance at the FMBI convention in New York early this year. This annual meeting was the climax to a consistent promotional campaign, characterized in some quarters as the greatest in radio history, and drew more than 800 attendees from radio and allied industries, all desirous of furthering their knowledge of FM and intent upon keeping up with new developments.

During 1943, despite inability to build new outlets due to wartime restrictions, FM proceeded to make itself felt as a coming force in radio. Many applications for FM licenses desired by newspapers and newspaper-owned stations, were held in abeyance because of the FCC Order No. 79 designed to delve into the matter of publisher ownership of radio stations. When the FCC on Jan. 13, 1944, unanimously decided against any general rule regarding newspaper ownership of broadcast facilities, there naturally followed numerous applications for FM licenses by newspapers and others in and out of the industry.

When the FCC took FM out of the experimental license category and permitted it to go commercial, networks which fed their regular programs to FM outlets, decided to withdraw this carte blanche pickup. However, early this year and almost coincidental with the FM Broadcasters, Inc., annual meeting, NBC and CBS again made available its programs for such affiliates as had FM facilities. Thus many fine symphony programs and the best of commercials may be heard via this medium. Some provisos in the network permission to use their programs, have been made and the AFM is also now looking over the field for possible revenue.

While Chairman James L. Fly of the FCC has pledged that the Commission would give the broadcasters encouragement in their FM activities, he warned against the dangers of hurried postwar production on a large scale, unless on a very firm foundation. At the same

time, spokesmen for the leading manufacturing organizations revealed plans for extensive production after the war and they believed that a possible 5,000,000 FM receiving sets would be built during the first full year of postwar production. At this rate, approximately 15,000,000 such sets would be in the hands of the public during the first five years of full-scale production, all based on the invention of Major Edwin H. Armstrong.

Apart from the manufacturing and merchandising of FM sets, the leading companies equipped to put them out, announced plans to build FM transmitters on a scale to fulfill new orders and those on the backlog.

Another important development on the FM front was the appointment of William B. Lewis as executive vice-president of the American Network, Inc. This FM web has been in existence for some time, has been experimental, and active of late. Appointment of Lewis, formerly vice-president in charge of programs for CBS and more recently an official of the OWI Domestic Bureau, indicates that the FM network means business and is going ahead in the future.

Broadcasters are fully aware of both the advantages and some disadvantages of FM broadcasting, as compared to AM or standard broadcasting. Many of the problems were discussed at the annual meeting in January of this year when a panel made up of competent people from engineering, manufacturer and practical FM broadcaster fields sought to answer the questions as fairly as possible. Some of the difficulties for instance may lie with the FCC's method of issuing licenses by certain market areas, in the opinion of some FM broadcasters. Again there remains the dispute between FM and television proponents as to which shall have the higher frequencies in the spectrum.

The Radio Technical Planning Board has panels devoted to television and FM in its agenda and it is possible some conclusion may be reached through this board. Five channels in the FM have been earmarked by the FCC for non-commercial educational broadcasting.

*Pioneering FM in Kansas City*

**KOZY**

**FM Radio Station KOZY**

Everett L. Dillard, General Manager • 1013 Porter Bldg., Kansas City, Mo.

*Rate Card Upon Request From Any of the Three Offices of*

**COMMERCIAL RADIO EQUIPMENT COMPANY**

- 1584 Crossroads of the World, Hollywood, California
- 321 East Gregory Blvd., Kansas City, Missouri
- Evening Star Building, Washington, D. C.

# HIGH FREQUENCY—FREQUENCY MODULATION BROADCAST STATIONS

*The term "high frequency broadcast station" means a station licensed primarily for the transmission of radiotelephone emissions, intended to be received by the general public and operated on a channel in the high frequency broadcast band. Commercial high frequency broadcast stations must use frequency modulation.*

LOCATION	Call Letters	Licensee	Frequency Kilocycles	Service Area Sq. Mi
<b>COMMERCIAL*</b>				
Alpine, N. J.	WFLM	Edwin H. Armstrong	43100	
Baton Rouge, La.	WBRL	Baton Rouge Broadcasting Co.	44500	8100
Binghamton, N. Y.	WBNF-FM	Wylie B. Jones Advertising Agency	44900	6500
Boston, Mass.	WBZ-FM	Westinghouse Radio Stations, Inc.	46700	
Boston, Mass.	WMTW	The Yankee Network, Inc.	43900	3100
Chicago, Ill.	WBBM-FM	Columbia Broadcasting System, Inc.	46700	
Chicago, Ill.	WDLM	Moody Bible Institute of Chicago	47500	
*Chicago, Ill.	WEHS	WHFC, Inc.	48300	10800
Chicago, Ill.	WGNB	WGN, Inc.	45900	
Chicago, Ill.	WWZR	Zenith Radio Corp.	45100	10800
Columbus, Ohio	WELD	WBNS, Inc.	44500	
Detroit, Mich.	WLOU	John Lord Booth	44900	
Detroit, Mich.	WENA	The Evening News Association	44500	6800
Evansville, Ind.	WMLL	Evansville On the Air, Inc.	44500	8400
Fort Wayne, Ind.	WOWO-FM	Westinghouse Radio Stations, Inc.	44900	
Hartford, Conn.	WTIC-FM	Travelers Broadcasting Service Corp.	45300	6100
Hartford, Conn.	WDRC-FM	WDRC, Inc.	46500	6100
*Indianapolis, Ind.	WABW	Associated Broadcasters, Inc.	47300	8400
*Jersey City, N. J.	WAAW	Bremer B/C Corp.	49500	6200
Kansas City, Mo.	KOZY	Everett L. Dillard, d/b as Commercial Radio Equipment Co.	44900	
Los Angeles, Calif.	KHJ-FM	Don Lee Broadcasting System	44500	
*Los Angeles, Calif.	KTLO	Metro-Goldwyn-Mayer Studios, Inc.	46100	7000
Milwaukee, Wis.	WMFM	The Journal Co.	44500	8500
Nashville, Tenn.	WSM-FM	National Life & Accident Insurance Co.	44700	16000
New York, N. Y.	WBAM	Bamberger Broadcasting Service, Inc.	47100	
New York, N. Y.	WNYC	City of New York Municipal Broadcasting System	43900	3900
New York, N. Y.	WABC-FM	Columbia Broadcasting System, Inc.	46700	

## HIGH FREQUENCY MODULATION BROADCAST STATIONS . . .

LOCATION	Letters Call	Licensee	Frequency Kilocycles	Service Area Sq. Mi.
*New York, N. Y.....	WFGG	William G. H. Finch.....	45500	8500
New York, N. Y.....	WQXQ	Interstate Broadcasting Co.....	45900	
New York, N. Y.....	WHNF	Marcus Loew Booking Agency.....	46300	
New York, N. Y.....	WABF	Metropolitan Television, Inc.....	47500	
New York, N. Y.....	WGYN	Muzak Radio Broadcasting Station..	44700	
*Paxton, Mass. ....	WGTR	The Yankee Network, Inc.....	44300	19000
Boston, Mass.				
Philadelphia, Pa. ....	WIP-FM	Pennsylvania Broadcasting Co.....	44900	
*Philadelphia, Pa. ....	WLBG	Seaboard Radio Broadcasting Corp..	46500	9300
Philadelphia, Pa. ....	WCAU-FM	WCAU Broadcasting Co.....	46900	9300
Philadelphia, Pa. ....	WFIL-FM	WFIL Broadcasting Co.....	45300	9300
Philadelphia, Pa. ....	KYW-FM	Westinghouse Radio Stations, Inc..	45700	
Philadelphia, Pa. ....	WPEN-FM	William Penn Broadcasting Co.....	47300	
Pittsburgh, Pa. ....	WTNT	WWSW, Inc. ....	44700	8400
Pittsburgh, Pa. ....	KDKA-FM	Westinghouse Radio Stations, Inc..	47500	
Rochester, N. Y. ....	WHFM	Stromberg Carlson Co.....	45100	3200
Rochester, N. Y.....	WHEC, Inc.	.....	44700	3200
*Salt Lake City, Utah.....	KSL-FM	Radio Service Corp. of Utah.....	44700	700
Schenectady, N. Y.....	WBCA	Capitol Broadcasting Co.....	44700	
Schenectady, N. Y.....	WGFM	General Electric Co.....	48500	6600
South Bend, Ind.....	WSBF	South Bend Tribune.....	47100	
Springfield, Mass. ....	WBZA-FM	Westinghouse Radio Stations, Inc..	48100	
Superior, Wisc. ....	Head of Lakes Broadcasting Co.....		44500	2754
Winston-Salem, N. C.....	WMIT	Gordon Gray .....	44100	69400
*Worcester, Mass. ....	WTAG-FM	Worcester Telegram Publishing Co..	46100	

All so licensed except those with asterisk (\*).

### PENDING APPLICATIONS FOR FM—APPROXIMATELY 60

There are five temporary Class 2 Experimental High Frequency B/C Stations licensed. Four are listed under experimental and indicated them by an asterisk under Commercial FM.

The fifth one is—Cincinnati, Ohio—The Crosley Corp., W8XFM—43200—1 kw.

### EXPERIMENTAL

Licensee and Location	Call Letters	Frequency Kilocycles	Power Watts
Edwin H. Armstrong, Alpine, N. J.....	*W2XMN	42800	40000
KLZ Broadcasting Co., Denver, Colo.....	W9XLA	25400	100
WKY Radiophone Co., Oklahoma City, Okla.....	W5XAU	26125	100

\* Operating under Special Temporary Authorization only.