

## FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON 25, D. C.

In the Matter of  
 ASSIGNMENT OF FM FREQUENCIES  
 TO EXISTING FM LICENSES IN THE  
 NEW YORK METROPOLITAN DISTRICT.

} DOCKET No. 6781

OCTOBER 26, 1945.

### REPORT BY THE COMMISSION

This proceeding arose as a result of the Commission's action of September 12, 1945, allocating frequencies to the existing FM licensees and permittees and providing that licensees could file objections with the Commission concerning their assignment. Only three objections to the frequencies assigned were filed and all three of these related to New York assignments. These objections were filed by Columbia Broadcasting System, National Broadcasting Co., and Bamberger Broadcasting Service, respectively. A hearing was requested and was held October 15, 1945.

At the hearing Columbia Broadcasting System presented a proposed plan for allocating frequencies in area I which differed from that proposed by the Commission. The claim was made that under this new proposal, it would be possible to have about 10 stations in New York City with approximately the same coverage and that the average coverage of FM metropolitan stations outside of New York City would be greater under the CBS proposal than under the Commission's proposal.

The Commission has carefully examined the CBS proposal and supporting data. It appears from this examination that under the CBS proposal more of the channels assignable to New York will have approximately the same coverage than is possible under the Commission's proposal but as a result some of the channels assigned to other cities will have a somewhat smaller service area beyond the 1,000 microvolt-per-meter contour. The claim that the average coverage of FM stations outside of New York would be increased is not borne out by the data. On the basis of all the data, it appears that there is no material difference between the Commission's proposal and that of CBS so far as average coverage of FM stations in area I is concerned. However, it should be noted that the CBS proposal does have some advantages over the Commission proposal so far as interference within the 1,000 microvolt-per-meter contour is concerned. Under the CBS proposal there are only

three instances where interference will occur within the 1,000 microvolts-per-meter contour whereas under the Commission's proposal there are nine such instances.

In view of the foregoing, the Commission has determined to adopt the CBS proposal as the basis for allocating FM metropolitan stations in area I. It should be pointed out that the proposal will not be followed in any hard-and-fast manner by the Commission but is published as a guide to people interested in FM as to the general manner in which the Commission expects to license FM stations in area I.

At the hearing on October 15, an applicant for a new station in the New York area appeared and objected to the granting of frequencies to existing FM stations. Two points were made. In the first place, it was urged that no frequencies be assigned at this time to existing stations but that such stations should be required to compete with all other applicants for the 20 frequencies which are available in New York. However, it should be noted that existing licensees do stand on a different footing from applicants. Had the Commission determined not to move FM higher in the spectrum, no question would be raised with respect to the license status of present licensees. The fact that in order to minimize skywave interference the Commission moved the whole FM band to a position higher in the spectrum has no impact upon the status of existing licensees and permittees.

The second point raised was that the best assignments should not be given to the existing licensees but that applicants as well as existing licensees should be entitled to compete for them. The answer to this is that under the Commission's rules and regulations all of the New York stations will have opportunity for equal coverage within the 1,000 microvolt-per-meter contour and this is the only contour that is protected in area I by the Commission's rules. Moreover, while some of the channels do appear to have a theoretical superiority so far as coverage beyond 1,000 microvolt-per-meter contour is concerned, this is only temporary at the best until more stations are licensed and may disappear even before then. The evidence at the hearing indicated that all calculations were based on the assumption that each station would be operated with effective power of 20 kilowatts and an antenna height of 500 feet and that the antenna would be located as near the center of the city as possible. Deviation in any one of these factors by stations on the same or adjacent channel might change the theoretical superiority. Finally, not all of the theoretically best channels have been assigned in New York to existing stations. Some of the existing licensees in indicating their preference have been assigned channels which are not the theoretically best in New York City. Hence, a representative number of the theoretically best channels is available in the New York City area for the new applicants.

As a result of the Commission's action in adopting the CBS proposal as a basis for allocation in area I, some changes have been necessary in the assignments to existing stations and permittees. The new assignments are listed below in table I. In table II, there are shown the channels which are available for assignments in the various cities of area I, or in nearby cities, according to the CBS proposal as adopted by the Commission.

TABLE I.—Frequency Assignments for Existing FM Broadcast Stations and Outstanding Construction Permits

METROPOLITAN STATIONS			
City	Call letters	Channel No.	Frequency
Baton Rouge, La.	WBRL	41	96.1
Binghamton	WNBF-FM	142	196.3
Boston	WBZ-FM	164	100.7
Chicago	WBBM-FM	57	99.3
do	WDLM	59	99.7
do	WEHS	61	100.1
do	WGNB	55	98.9
do	WWZZ	53	98.5
Columbus	WELD	33	94.5
Detroit	WENA	45	96.9
do	WLOU	43	96.5
Evansville	WMLL	34	94.7
Fort Wayne	WOWO-FM	40	95.9
Hartford	WDRG-FM	32	94.3
do	WTIC-FM	28	93.5
Indianapolis	WABW	35	94.9
Kansas City	KOZY	60	99.9
do	KMBC-FM	50	97.9
Milwaukee	WMFM	22	92.3
Nashville	WSM-FM	61	100.1
Philadelphia	KYW-FM	162	100.3
do	WCAU-FM	174	102.7
do	WFIL-FM	176	103.1
do	WIP-FM	148	197.5
do	WIBG-FM	146	197.1
do	WPEN-FM	158	199.5
Pittsburgh	KDKA-FM	31	94.1
do	WMOT	33	94.5
Rochester	WHEP	53	98.5
do	WHFM	55	98.9
Salt Lake City	KSL-FM	61	100.1
Schenectady	WGFM	164	100.7
do	WBCA	166	101.1
South Bend	WSBF	67	101.3
Springfield, Mass.	WHZA-FM	146	197.1
Superior, Wis.	WDUL	22	92.3
Worcester, Mass.	WTAG-FM	174	102.7
do	WGTR	176	103.1
Alpine, N. J.	WPMN	155	198.9
New York, N. Y.	WQXQ	149	197.7
do	WABF	53	98.5
do	WQYN	141	196.1
do	WFGG	59	99.7
do	WHNF	57	99.3
do	WNYC-FM	133	194.5
do	WBAM	143	196.5
do	WABC-FM	145	196.9
do	WEAF-FM	147	197.3
Jersey City, N. J.	WAAW	131	194.1
RURAL STATIONS (LOCATED AT PRESENT SITES)			
Mount Washington, N. H.	WMTW	151	198.1
Winston-Salem, N. C.	WMIT	47	97.3

<sup>1</sup>Indicates a change from previous assignment.

TABLE I.—Frequency Assignments for Existing FM Broadcast Stations and Outstanding Construction Permit—Continued

## CLASS OF STATION NOT YET DETERMINED

City	Call letters	Channel No.	Frequency
Los Angeles, Calif. ....	KHJ-FM .....	59	99.7
.....do .....	KTLO .....	61	100.1

TABLE II.—Allocation Plan for FM Stations in Area 1

Name of city	Number of existing AM stations	Number of possible metropolitan stations for the city where AM stations are located or in nearby cities	Channel Number <sup>1</sup>
<b>Connecticut:</b>			
Bridgeport .....	2	3	65, 67, 69.
Hartford .....	4	6	26, 28, 30, 32, 34, 36.
New Haven .....	2	5	63, 71, 75, 77, 79.
New London .....	1	2	50, 52.
Stamford .....	1	( <sup>3</sup> )	
Waterbury .....	2	4	22, 24, 61, 73.
<b>Delaware:</b>			
Wilmington .....	3	3	64, 66, 68.
<b>District of Columbia:</b>			
Washington .....	6	12	21, 23, 25, 27, 29, 31, 33, 63, 65, 67, 69, 71.
<b>Maryland:</b>			
Baltimore .....	5	10	51, 53, 55, 57, 59, 61.
Frederick .....	1	( <sup>3</sup> )	73, 75, 77, 79.
Hagerstown .....	1	( <sup>3</sup> )	
Salisbury .....	1	( <sup>3</sup> )	
<b>Massachusetts:</b>			
Boston .....	7	10	21, 23, 25, 27, 29, 31, 33, 35, 64, 66.
New Bedford, Fall River .....	2	3	43, 45, 47.
Fitchburg .....	1	( <sup>3</sup> )	
Greenfield .....	1	( <sup>3</sup> )	
Holyoke, Springfield .....	4	6	38, 40, 42, 44, 46, 48.
Lawrence, Lowell, Haverhill, Portsmouth, N. H. ....	3	4	37, 39, 41, 49.
Pittsfield .....	1	( <sup>3</sup> )	
Salem .....	1	( <sup>3</sup> )	
Worcester .....	3	4	60, 62, 74, 76.
West Yarmouth, Hyannis .....	1	( <sup>3</sup> )	
<b>New Hampshire:</b>			
Manchester .....	2	2	69, 79.
<b>New Jersey:</b>			
Asbury Park .....	1	( <sup>3</sup> )	
Atlantic City .....	2	( <sup>3</sup> )	
Bridgeton .....	1	( <sup>3</sup> )	
Camden (see Philadelphia) ..	1	( <sup>3</sup> )	
Jersey City .....	1	( <sup>3</sup> )	
Newark .....	2	( <sup>3</sup> )	
Paterson .....	1	( <sup>3</sup> )	
Trenton .....	2	( <sup>3</sup> )	70, 72, 78.
Zaraphath .....	1	( <sup>3</sup> )	
<b>New York:</b>			
Albany, Schenectady, Troy .....	6	12	21, 23, 25, 27, 29, 31, 33, 35, 59, 64, 66, 72.
Brooklyn .....	3	( <sup>3</sup> )	
Freeport .....	1	( <sup>3</sup> )	
Kingston .....	1	( <sup>3</sup> )	

NOTE A.—There is a possibility of adding channel No. 67 to Scranton.

NOTE B.—Channels No. 51, 53, 55, and 57 are available for wide coverage stations in Mount Washington area.

<sup>1</sup> Channel numbering system corresponds to that specified in FCC rule 3.201, as promulgated Sept. 12, 1945.

<sup>2</sup> This city would be eligible for community stations.

TABLE II.—Allocation Plan for FM Stations in Area I—Continued

Name of city	Number of existing AM stations	Number of possible metropolitan stations for the city where AM stations are located or in nearby cities	Channel Number <sup>1</sup>
New York—Continued			
Middletown .....	1	( <sup>1</sup> )	
Newburgh .....	1	( <sup>2</sup> )	
New York City .....	13	20	21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59.
Poughkeepsie .....	1	( <sup>1</sup> )	
White Plains .....	1	( <sup>1</sup> )	
Woodside .....	1	( <sup>1</sup> )	
Pennsylvania:			
Allentown, Bethlehem, Easton..	2	4	34, 36, 38, 40.
Harrisburg .....	3	6	45, 47, 49, 70, 72, 78.
Hazleton .....	1	( <sup>1</sup> )	
Lancaster .....	1	2	22, 24.
Philadelphia .....	10	13	42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 74, 76.
Reading .....	2	4	26, 28, 30, 32.
Scranton, Wilkes-Barre .....	5	9	61, 63, 65, 69, 71, 73, 75, 77, 79 (see note A).
York .....	2	5	35, 37, 39, 41, 43.
Rhode Island:			
Pawtucket, Providence .....	4	6	54, 56, 58, 70, 72, 78.

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