FREQUENCY Modulation



Progress of FM During 1944

FMB

FM News Highlights

Proposed Allocations

High Frequency Stations

Commercial

Pending Applications

Developmental Stations



FOR A FUTURE—BUILT UPON A PAST OF ACCOMPLISHMENTS

REL has long been the leader in the development of fine FM Broadcast Equipment employing the Armstrong Crystal Controlled Phase Shift System of Modulation. The record speaks for itself! Numerous REL FM stations—1 KW to 50 KW—have been in continuous, successful operation over a period of years.

REL pioneering has resulted in some vitally important "FIRSTS" in FM...

IRST

(and only one) to ever successfully install a 50 KW. FM transmitter. Four of ours are operating daily and have been since 1941.

to develop and install a studio to transmitter radio relay.

to develop and install transmitter to transmitter radio relay, thereby making possible the FM networks.

Our pre-war successes have been the result of specialization in FM installations. FM is not an REL sideline . . . it is the actual basis of our operations! Our staff of engineers have unique experience . . . experience that enables them to plan and carry through the most difficult FM installations . . . experience that assures REL of a tremendous future in FM. The groundwork—the pioneering—is complete! We are ready to reassume our major role in FM broadcasting as soon as conditions permit.

RADIO ENGINEERING LABS., INC., LONG ISLAND CITY, N. Y.

FM NEWS HIGHLIGHTS—1944

From RADIO DAILY

Increasing interest in frequency modulation broadcasting is indicated in an appraisal of the FM news carried in Radio Daily during the past year. Following pages chronologically record the highlights of the year's FM news developments.

JANUARY

- Jan. 19—Application for an FM station was filed with the FCC today by the New York "Times." This application, coming right after the FCC sanctioned the ownership of radio stations by newspapers, indicated the matter had been under consideration for some time.
- Jan. 24—NBC issued a statement to the effect that the network had investigated the possibilities of FM from every angle.
- Jan. 26—The fifth annual meeting of the FM Broadcasters Inc. opened today at the Hotel Commodore in New York City, with record attendance indicated
- Jan. 27—James Lawrence Fly, head of the FCC, commends FM and the FMBI. Addressing a luncheon gathering of more than 600, he declared that FM "stands on the threshold of tremendous developments." He also brought a letter of greeting from President Roosevelr.

FERRUARY

- Feb. 7—FM programming was expanded by CBS over WABC-FM with the announcement that the New York Philharmonic Symphony and the Philadelphia Orchestra will henceforth be heard as a regular feature.
- Feb. 9—Phamplets are to be released shortly by the Office of Education entitled "FM for Education." They are for the purpose of disclosing to the public the post war plans for the FM channels reserved for education.
- Feb. 16—Seventeen out of the 77 FM applications pending with the FCC at the start of this week were from newspapers, a study of the list indicates.
- Feb. 24—Applications were filed with the FCC today for 5 FM stations by the National Broadcasting Company. Two FM applications by NBC are already pending.

MARCH

- March 17—An FM station to carry on "research to foster the development" of that type of broadcasting will be built in the Capital area, with its transmitter located at Olney, Maryland, according to Columbia University's department of public information, which further states that the new station will be a replica of Major Armstrong's outlet at Alpine, N. J.
- March 21—Full expansion into both the field of FM and that of television by the Blue web, was forecast by Mark Woods. president, in an address to 47 departmental heads at a recent managerial meeting held at the Waldorf-Astoria hotel. Woods also revealed that applications for several FM stations have been filed.

APRIL

- April 13—According to the files of the FCC, applications for FM stations have been more than triple the number of applications for AM stations during the first three months of the year.
- April 18—A recent survey in the New York and Metropolitan area to determine what makes people listen to FM reveals that about 18 per cent desire the better reception on classical music, while another 11 per cent like the fact that there is less advertising and commercials on FM programs.
- April 25—Growing interest of the nation's newspaper publishers and editors in postwar FM and television was indicated at the convention of the American Newspaper Publishers Association which opened yesterday at the Waldorf-Astoria.
- April 26—FM broadcasting will replace AM broadcasting entirely within eight to ten years after transmitters and receiving sets are made available to the general public, according to a prediction by Walter J. Damm, president of FM Broadcasters, Inc., at the final session of the American Newspapers association convention, yesterday.

MAY

May 12—The practical use of tele will be delayed at least five years in favor of the further development of FM, was the theory advanced by Edward W. Wood, Jr., general sales manager of Mutual, in a speech made this week before members of the New Orleans Advertising Club.

May 23—A discussion of FM and tele will be included on the agenda of the spring meeting of the CBS Affiliates Advisory Board which will be held at the network's headquarters in New York City May 24th and 25th.

May 24—Yesterday the FCC questioned all national and regional networks in regard to their policy on net shows for FM. Full replies of present policies and future plans were asked for by the commission in an effort to determine how closely the FM program will adhere to the AM program line. The survey was inspired by recent NBC and CBS contracts with their affiliates, to wit: stations having FM outlets could carry net FM shows free of charge providing the AM outlet also carried the show.

May 26—Arrangements have been completed between the Mexican government and that of the United States to present the new uses of FM in a special exhibit in Mexico City from June 1 to the 8th. It was indicated that FM provides the solution to the Mexican Ministry of Education's problem of carrying their education program into the sparsely settled mountain areas.

JUNE

June 1—Raymond F. Guy, NBC radio Facilities Engineer, addressed the Institute of Radio Engineers in Indianapolis recently on the merits of FM. Stressing the greater value of FM as compared with AM broadcasting, he demonstrated his talk with records made in the field, mainly in the higher frequencies, and brought out the ability of FM to reject interfering signals on the same frequencies.

June 9—In a detailed technical report released today, the FCC sought to explain the cause of the "bursts" they have on many occasions recorded. They are at present unable to define the cause, but the report gives much data on the rate of occurrence, etc. A "burst" is a sudden increase in signal strength of very short duration, and is frequently noted on sets from 300 to 700 miles from the transmitter, those nearer being protected by the steady groundwave, and those further away, for some reason, not being strongly affected.

Iune 15—A new map issued recently by the FM Broadcasters Association reveals that there are 44 FM stations now in operation in 36 states, and at the present time there are 163 applications pending with the FCC in

Washington. It is estimated that the applicants may spend over \$10,000,000 for equip-

JULY

July 3—Three new applications were filed with the FCC yesterday, all from standard broadcasters. The applicants are KTRH, Houston, Texas; WBIG, Greensboro, N. C.; and WFCI, Pawtucket, R. I.

July 18—The Winston-Salem, N. C., high schools with the cooperation of WMIT, North Carolina's pioneer FM station, have proposed a plan for use of FM stations for educational purposes throughout the state in the post war period. As an experiment, four speakers have been installed by WMIT in four of the leading high schools, and the station's staff is working with the school board to create special programs in various educational fields, which will be fed directly to the schools.

July 19—An announcement by the FCC reveals that the commission plans to carefully scan all future requests for FM stations for educational purposes with a view to state educational plans. This survey results from the great interest shown in the proper use of the five FM bands set aside for educational purposes.

July 27—The Trans-Canada Air Lines has taken a step which may be a forerunner for all commercial air lines, by installing complete two-way FM equipment at their various airports and travel bureaus. The aim is to speed up communications regarding tickets, reservations, etc., as much as possible. The new equipment is of ultra high frequency, and is the first such equipment to be installed either in Canada or in the United States.

July 31—Wide distribution to the public is planned for the forthcoming FM book being published jointly by the FM Broadcasters, Inc., and manufacturers of FM equipment. In order to insure as wide a distribution as possible, the FMBI has issued an initial print order of 200,000, with the equipment companies expected to raise the number considerably.

AUGUST

Aug. 24—Post-war planning in the field of FM broadcasting will come up for discussion at the final session of the NAB convention, Thursday, Aug. 31. Because of the rapidly growing interest in this field, the NAB officials announced that the entire afternoon would be turned over to this subject.

Aug. 30—"One of the most fundamental problems of all Blue Network affiliates at the present time is FM broadcasting." This was the statement made by Mark Woods, president of the Blue web, before a group of network affiliate managers at the NAB convention. Predicting great post war expansion of that type of broadcasting, Woods said that there would be 20,000,000 sets in operation within four years after the war. The change from AM to FM will be gradual, and will take from 5 to 10 years. In view of these facts, Wood urged all Blue affiliated stations to make immediate application with the FCC for FM outlets.

SEPTEMBER

- Sept. 7—In order to increase WOR's news services, WBAM, WOR's FM outlet, will extend their broadcast schedule to seven days a week, Alfred J. McCosker, president, announced yesterday.
- Sept. 11—The FCC announced Friday that it is preparing its own FM station, a portable affair in a trailer, which should be ready for operations next week. The outfit will be used to gather information in and around Washington for use in the coming frequency allocations hearings to be held here at the end of the month. The new station's call letters will be W3XFC, and it will operate variously on from 42 to 50 megacycles, both wide and narrow bands.
- Sept. 22—Operating under newly assigned call letters, WEAF-FM, NBC's FM outlet in New York City, begins operations Sunday on a seven-day-a-weck basis. The FM station will carry, wherever possible, regular NBC commercial shows, including the commercials, free of charge.
- Sept. 26—The importance of the need for the Blue network to look into the field of FM broadcasting and to catch up with the other webs in this phase of electronics was stressed by Edgar Kobak, executive vice president of the web, at a luncheon for the press in the lounge of the Waldorf-Astoria yesterday.

OCTOBER

- Oct. 2—A settlement of the differences of opinion between FM and tele interests was reached Friday at the FCC allocations hearings. After various conflicting claims and other disputes were ironed out, the FM bands decided upon were from 41 to 43 megacycles for educational and other noncommercial FM outlets. 2nd from 43 to 56 megacycles for commercial FM. These results are not final, however, and the matter will come under further discussion.
- Oct. 13—Lengthy questioning concerning the anticipated post war construction of FM receiving sets at the FCC allocations hearing

- today lent added weight to the impression that FM service may eventually be moved up to about 90 megacycles with room for 100 or more 200-kilocycle channels.
- Oct. 17—In a poll conducted by General Electric, post war purchase lists include an FM receiving set at least nine times out of ten, according to the replies turned in by 16,635 GE stockholders, and 1,538 dealers.
- Oct. 23—Trend of the testimony given at the FCC's frequency allocation hearing today showed no desire on the part of FM broadcasters to move up the spectrum, apparently upsetting plans of the commission to move the service up.

NOVEMBER

- Nov. 3—William B. Lewis, vice-president and radio director of Kenyon & Eckhardt predicted the formation of a fifth major network to be FM and press-owned. At the same time he intimated that the present four major AM nets would eventually transform themselves into FM webs.
- Nov. 6—J. Harold Ryan wrote a letter to the FCC opposing the proposed FM subscription plan, stating that it would be inadvisable to "sacrifice" our present broadcasting industry for what is, in effect, a "multiple address system." Ryan also stated that radio had served the public well, and planned further expansion in the future.
- Nov. 22—CBS began their new improved FM service today when they put into operation their new 800 foot antenna located on the roof of 500 Fifth Ave. The new antenna has three kilowatts and extends the broadcasting radius from less than 50 miles to about 60 miles.

DECEMBER

- Dec. 8—It is anticipated that the subject of Mutual's future expansion into the field of FM broadcasting will come up for extensive discussion tomorrow at the web's board of directors meeting at the Ambassador Hotel. This is regarded as most likely, due to Ed Kobak's, Mutual's new president, well-known interest in FM.
- Dec. 14—Walter J. Damm, general manager of WTMJ, Milwaukee, and president of the FM Broadcasters, Inc., in New York this week for radio conferences, revealed that the total applications for FM stations had reached 310, and that the industry was very optimistic about the post-war market.

FM ALLOCATION PROPOSALS

A^T THE Allocation Hearings held before the FCC and prior to the one held late in February of this year, it was decided that existing FM stations would not be required to move upward until new receivers capable of tuning in the new wave lengths are generally available.

According to the FCC the cost to the public "would not be great" and that the present 500,000 FM sets are mostly combination sets capable of receiving both AM and FM. These, said the Commission, are several years old and some of them could be converted. In any event, the FCC stated, the existing receivers or attachments would become partially obsolete if the recommendations of the FM industry to widen the band were followed. Cost of remodeling FM transmitters would not be substantial, the FCC held.

Disputing the FCC findings along this line and the frequency swap believed to benefit television out of proportion to that received by FM, the FM interests marshalled their forces at the latter hearing. After explanatory remarks on the status of FM as brought up at the original hearings, the FCC issued the following re Temporary Allocations For FM Stations:

FM Temporary Allocations

"The Commission is desirous of establishing FM in its new place in the spectrum as soon as possible in order that the 42 to 50 mc, band can be made available for use by other services which are being assigned to these frequencies. It is recognized, however, that very few receivers for reception in the proposed 84 to 102 mc. band will be available for some time after materials and manpower become available for this purpose. Accordingly, existing FM stations will not be required to move to new assignments in this band until such time as new receivers are generally available and in the hands of the public. At that time, the Commission will assign a frequency in the 84 to 102 mc. band to each existing licensee who will then be expected within a reasonable period of time to make the necessary arrangements for operation on the newly assigned frequency. It is believed this procedure will great facilitate

the transition of FM stations to their new location.

"As pointed out in Section 10 on television 44 to 50 mc. will be assigned as the first television channel. Accordingly, in order that this space may become immediately available for use by television broadcasters, existing FM licensees will be given new assignments within the 42 to 44 megacycle band to operate on such channels until, as stated above, they are moved to a higher frequency in the 84 to 102 mc. region. No hardship should result from this change since existing FM sets are capable of receiving in this range which is already part of the FM band. In the congested areas sharing time may be required temporarily. This will permit change over of frequency of one transmitter to the new frequencies while maintaining operation on the lower frequencies.

Economic Factors

"The cost to the public as a result of moving FM from its present band to the proposed higher band will not be great. There was testimony that approximately 500,000 FM receivers are now in the hands of the public consisting principally of combination sets capable of receiving both AM and FM. (Damm, Tr. 1047). These sets are, of course, several years old.

"Even if the present FM band were retained, these receivers would become partially obsolete insofar as FM reception is concerned since an expansion of the existing 42 to 50 mc. band would place a number of stations out of range. In some cases, old FM receivers can be converted for reception on the higher frequencies. Moreover, present AM receivers can include FM detachments which will not be appreciably more costly in the 84 to 102 mc. band than in the present band (Cotter, Tr. 1107).

"Insofar as transmitting equipment is concerned, the shift to the higher frequencies will not cause a substantial loss to the respective licensees in that a large part of the existing investment will not be affected, such as buildings, towers, power equipment, which will remain unchanged. Also, most of the transmitting

equipment can be modified to operate on the higher frequencies without unreasonable cost."

In connection with issuing the temporary allocations, the Commission said in part "... the large percentage of AM licensees among the present FM applicants and the economic advantage which AM licensees have in building and operating FM stations more cheaply raise serious questions as to whether, unless some special measures are taken to that end, this objective will be accomplished. The Commission recognizes that until a substantial number of receivers are in the hands of the public, FM broadcasting will not be a self-supporting operation.

"To keep the door open for later applicants, the Commission is considering the adoption of the following plan: 50 FM commercial channels will be available for assignment both to present licensees and to newcomers in the radio field. This policy will afford existing AM licensees an opportunity to enter FM if they so desire, and in addition will enable some new persons to participate in FM's early development. The remaining 20 FM commercial channels will be reserved from assignment at the present time to be licensed in the future in accordance with rules and regulations subsequently to be promulgated."

FOR QUALITY A P

HIGH FREQUENCY—FREQUENCY MODULATION BROADCAST STATIONS

Section 37-48 lists 53 licensees or permitees and 232 Applicants for new facilities as of January 1, 1945, giving frequencies assigned or requested, coverage and population data furnished with applications filed with the FCC.

COMMERCIAL

State and City	Call Letters	Licensee or Permittee	Fre- quency (megs.)	Cover- age (sq. mi.)	Popu- lation
CALIFORNIA					
Los Angeles	.KHJ-FM	Don Lee Broadcasting System	44.5	6,944	2,604,104
Los Angeles CONNECTICUT	.KTLO	M-G-M Studios	46.1	7,000	468,178
Hartford	.WTIC-FM	The Travelers B/C Service Corp	45.3	6,100	936,448
Hartford ILLINOIS	. WDRC-FM	WDRC, Incorporated	46.5	6,100	1,337,805
Chicago	. WBBM-FM	Columbia Broadcasting System	46.7	10.800	6,431,310
Chicago	.WDLM	Moody Bible Institute of Chicago	47.5	10,800	5,091,500
Chicago	.WGNB	WGN, Incorporated	45.9	10,800	5,359,556
Chicago	.WEHS	WHFC, Incorporated		10,800	5,036,000
Chicago INDIANA	.WWZR	Zenith Radio Corporation	45.1	10,800	4,500,204
Evansville	.WMLL	Evansville On The Air, Inc	44.5	8,397	465,600
Fort Wayne	.WOWO-FM	Westinghouse Radio Stations, Inc	44.9	6,100	420,168
Indianapolis*	.WABW	Associated Broadcasters, Inc	47.3	8,400	870,054
South Bend LOUISIANA	.WSBF	South Bend Tribune	47.1	4,300	448,330
Baton Rouge MASSACHUSET		Baton Rouge Broadcasting Co	44.5	8,100	361,382
Boston		Westinghouse Radio Stations, Inc	46.7	6,700	3,389,751
Boston		The Yankee Network, Inc		31,000	2,020,162
Boston		The Yankee Network, Inc		19,230	6,635,751
		Westinghouse Radio Stations, Inc	48.1	2,500	·
Worcester MICHIGAN	. WTAG-FM	Worcester Telegram Pub. Co	46.1	4,465	2,703,202
Detroit	.WLOU	John Lord Booth	44.9	6,732	2,901,908
Detroit MISSOURI		Evening News Association	44.5	6,820	2,498,000
Kansas City	.KOZY	Commercial Radio Equipment Co	44.9	4,410	730,869
		Midland Broadcasting Company	46.5	6,700	
Alpine	.WFMN	Edwin H. Armstrong	43.1	15,610	
West Orange* NEW YORK		Bremer Broadcasting Corporation		6,200 1	0,906,200
Binghamton	.WNBF-FM	Wylie B. Jones Adv. Agency	44.9	6,500	1,836,300
New York	.WBAM	Bamberger Broadcasting Service	47.1	8,500	10,906,200
New York	.WNYC-FM	City of New York Municipal Broadcasting System		,	1,550,274
New York	WARC-FM	Columbia Broadcasting System			14,954,832
New York		Interstate Broadcasting Co., Inc			0,817,455
New York		Marcus Loew Booking Agency			2,074,192
New York		Metropolitan Television, Inc			1,814,746
	-			-,,	, , , , , , , , , , , , , , , , , , , ,

State and City	Call Letters	Licensee or Permittee	Fre- quency (megs.)	Cover age (sq. mi	Popu-
New York	WGYN	Muzak Radio Broadcasting	44.77	0.500	10 540 401
N		Station, Inc.			10,546,481
New York		National Broadcasting Co., Inc			11,896,500 10,600,000
New York*		Wm. G. H. Finch		3.200	584.800
Rochester		Stromberg-Carlson Company		-,	,
Rochester		WHEC, Incorporated		3,200	
Schenectady		Capitol Broadcasting Co., Inc		6,589	
Schenectady		General Electric Company	48.5	6,600	502,200
NORTH CAROLI		~ . ~	44.1	00 400	4 105 000
Winston-Salem OHIO	WMIT	Gordon Gray	44.1	69,400	4,125,000
Columbus		WBNS, Incorporated	44.5	12,400	1,104,642
PENNSYLVANIA	l				
Philadelphia	WPEN-FM	Wm. Penn Broadcasting Company	47.3	9,352	3,906,453
Philadelphia	WIP-FM	Pennsylvania Broadcasting Co	44.7	9,300	4,474,940
Philadelphia*	WLBG	Seaboard Radio Broadcasting Co	46.5	9,300	3,900,000
Philadelphia	WCAU-FM	WCAU Broadcasting Company	46.7	9,300	5,079,206
Philadelphia	KYW-FM	Westinghouse Radio Stations, Inc	45.7	9,300	4,088,000
Philadelphia	WFIL-FM	WFIL Broadcasting Company	45.3	9,300	4,760,200
Pittsburgh	KDKA-FM	Westinghouse Radio Stations, Inc	47.5	8,400	2,940,000
Pittsburgh	WTNT	WWSW, Incorporated	44.7	8,400	2,100,000
Nashville	.WSM-FM	National Life & Accident Insurance	44.77	10.000	057 070
11m # 11		Company	44.7	16,000	857,270
UTAH Salt Lake City	KSL-FM	Radio Service Corp. of Utah	44.7	623	19 4 ,102
WISCONSIN					
Milwaukee Superior		The Journal Company	45.5	8,540	1,522,54 4
Superior	WDOL	Company	44.5	407	130,376
				4	1

^{*} CP only.

PENDING APPLICATIONS FOR FM STATIONS

State and City	Applicant	Fie- quency (megs.)	Cover- age (sq. mi.)	Population
ALABAMA				
Birmingham	The Birmingham News Co	44.5	17,700	·
Birmingham	Birmingham B/C Co., Inc	46.9	18,580	1,203,175
Birmingham	Voice of Alabama, Inc	45.9	17,200	1,206,981
Huntsville	The Huntsville Times	48.9	12,900	
Mobile	Pape B/C Company	46.1	10,000	
Montgomery	G. W. Covington, Jr	45.5	4,761	
Montgomery	Montgomery B/C Co., Inc	43.5	17,299	722,782
CALIFORNIA				
Alameda	Times-Star Publishing Co	49.1	5,450	
Avalon	The Santa Catalina Island Co	43.7	34,500	3,420,002
Fresno	J. E. Rodman	44.1	24,752	578,105
Hollywood	Columbia B/C System, Inc	43.1	34,000	3,420,002
Hollywood	Warner Bros. B/C Corp	44.9	3,118	2,487,874
Los Angeles	Farle C. Anthony, Inc	43.7	34,000	3,597,000
	Blue Network Co., Inc		21,024	3,320,125
Los Angeles	Consolidated B/C Corp., Ltd	45.7	7,000	3,053,991
Los Angeles	National Broadcasting Co	44.1		
	IUUAAA Workers of America		32,000	
Los Angeles	Standard Broadcasting Co	45.3	7,000	3,074,303
	The Times-Mirror Co		15,857	

State and City Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Population
OaklandTribune Building Company	46.5	1,216	1,350,000
OntarioThe Daily Report	49.9	2,240	
RichmondB/C Corp. of America	43.5	48,000	4,300,000
			(50 uv/m)
RiversideContra Costa B/C Co		4,490	23,642
San Bernardino Sun Co. of San Bernardino	44.1	17,101	803,534
San DiegoUnion Tribune Pub. Co		5,000	203,341
San DiegoAirfan Radio Corp., Ltd		950	203,341
San Francisco Associated B'casters, Inc.			
San FranciscoBlue Network Co., Inc		27,500	2,423,926
San FranciscoDon Lee B/C System		18,050	1,098,612
San FranciscoKJBS Broadcasters		7,557	2,891,68
San Francisco National B/C Company			
StocktonE. F. Peffer	45.9	19,696	287,486
COLORADO			(50 uv/m)
Colorado Springs. Out West B/C Co	47.7	2,950	
DenverKLZ Broadcasting Company		31,400	
DenverNational B/C Co., Inc.			
·	40.5		• • • • • •
CONNECTICUT	40.8	01.000	0.040.100
HartfordThe Hartford Times, Inc		21,900	3,840,166
New London Thames B/C Corp		3,500	
WaterburyHarold Thomas	43.3	14,300	2,830,148
DELAWARE		0.400	
WilmingtonWDEL, Inc	44.5	6,400	
DISTRICT OF COLUMBIA			
Washington Capital B/C Company		8,020	
Washington The Evening Star B/C Co		5,600	899,946
Washington Marcus Loew Booking Agency		3,993	1,187,012
WashingtonThe Times Herald			
WashingtonNational B/C Company	44.3		
FLORIDA	40.1	0.000	
Daytona BeachThe News Journal Corp		3,000	
JacksonvilleFlorida B/C Company		11,700	407.005
JacksonvilleThe Metropolis Co	46.5	10,981	467,883
Miami Miami B/C Co		3,630	
Tampa Tampa Times Company		8,100	
TampaThe Tribune Company			
GEORGIA	45.0	7 :000	000.004
AtlantaThe Constitution Pub. Co		7,380	826,864
MaconSoutheastern B/C Co		12,600	
MaconMacon Telegraph Pub. Co	46.7	12,000	57,865
Massa D/C Co	45.77		(acon only
MaconMiddle Georgia B/C Co	45.7	12,600	589,140
DAHO Paire B/G Station	40 E	1 140	00.020
BoiseBoise B/C Station	48.5	1,148	82,830
LLINOIS BloomingtonRadio Station WJBC	45.0	c coo	010 000
BloomingtonRadio Station WJBC		6,680	316,339
		4,660	4.040.500
ChampaignChampaign News-Gazette, Inc	44.7	10,624	4,842,526
Champaign		11,000	5,045,240
Champaign	48.7		4,849,461
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor	48.7 47.9	10,800	
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor. Chicago Drovers Journal Pub. Co.	48.7 47.9 48.7	10,800	
Champaign Champaign News-Gazette, Inc Chicago Agricultural B/C Co Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co Chicago IUUAAA Workers of America	48.7 47.9 48.7 43.5	10,800 14,600	
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor. Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc.	48.7 47.9 48.7 43.5 46.3	10,800 14,600 10,800	4,869,900
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor. Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co.	48.7 47.9 48.7 43.5 46.3 47.9	10,800 14,600 10,800 10,800	4,869,900
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co. Chicago WEHS, Inc.	48.7 47.9 48.7 43.5 46.3 47.9 48.3	10,800 14,600 10,800 10,800 10,800	4,869,900
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co. Chicago WEHS, Inc. Chicago WJJD, Inc.	48.7 47.9 48.7 43.5 46.3 47.9 48.3 44.7	10,800 14,600 10,800 10,800 10,800 10,800	4,869,900
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co. Chicago WEHS, Inc. Chicago WJJD, Inc. Decatur Commodore B/C, Inc.	48.7 47.9 48.7 43.5 46.3 47.9 48.3 44.7 46.5	10,800 14,600 10,800 10,800 10,800 10,800 15,708	4,869,900
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co. Chicago WEHS, Inc. Chicago WJJD, Inc. Decatur Commodore B/C, Inc. Herrin Orville W. Lyerla.	48.7 47.9 48.7 43.5 46.3 47.9 48.3 44.7 46.5 49.1	10,800 14,600 10,800 10,800 10,800 10,800 15,708 3,966	4,869,900 4,750,000 879,358
Champaign Champaign News-Gazette, Inc. Chicago Agricultural B/C Co. Chicago Blue Network Co., Inc. Chicago Chicago Fed. of Labor Chicago Drovers Journal Pub. Co. Chicago IUUAAA Workers of America Chicago National B/C Co., Inc. Chicago Oak Park Realty Co. Chicago WEHS, Inc. Chicago WJJD, Inc. Decatur Commodore B/C, Inc.	48.7 47.9 48.7 43.5 46.3 47.9 48.3 44.7 46.5 49.1	10,800 14,600 10,800 10,800 10,800 10,800 15,708	4,869,900 4,750,000 879,355 598,367

State and City Applicant Cinegro Corp. Quincy Quincy Quincy Newspapers, Inc. 44.1 15,300		Fre- quency	Cover-	
Quincy Quincy Newspapers Inc. 47.3 16,760 Inc. Rockford Rockford Rockford Rockford Rockford Rock Island Rock Isl	State and City Applicant			Population
Quincy Quincy Newspapers Inc. 47.3 16,760 Inc. Rockford Rockford Rockford Rockford Rockford Rock Island Rock Isl	QuincyIllinois B/C Corp.	. 44.1	15,300	
Rockford Rock Flord Broadcasters In. 47.1 3,900 394,500 Rock Island Rock Island B/C Co. 44.5 3,000 316,000 Springfield Commodore B/C, Inc. 46.9 8,050 404,661 Springfield WCBS, Incorporated 46.1 1,594 650,218 Waukegan Keystone Printing Service 47.1 2,890 527,798 INDIANA Evansville Evansville On The Air A4.3 29,688 45.1 1,594 650,218 Waukegan Revansville On The Air A4.3 29,688 45.1 1,594 650,218 Mammond Radio Station WJOB 49.9 2,241 691,853 Hammond Radio Station WJOB 49.9 2,241 691,853 Hammond WFAM, Incorporated 49.7 Indianapolis Capitol B/C Corp. 48.7 41,120 1,417,204 (50 uv/m) (10 u	Quincy Quincy Newspapers, Inc	. 47.3	16,760	
Rock Island Rock Island B/C Co. 44.5 3,000 316,000 316,000 Springfield Commodore B/C, Inc. 46.9 8,050 404,661 Springfield WCBS, Incorporated 46.1 11,594 650,218 Waukegan Keystone Printing Service 47.1 2,890 527,798 INDIAMA Evansville Evansville On The Air 44.3 29,688 The State of Mary Farnsworth Television & Radio Corp. 46.1 8,500 118,410 Hammond Radio Station WJOB 49.9 2,241 691,853 Hammond WFAM, Incorporated 49.7 Indianapolis Capitol B/C Corp. 48.7 14,120 1,417,204 (50 uv/m) Indianapolis Indianapolis B/C, Inc. 45.3 13,640 1,017,471 Indianapolis Scripps Howard Radio, Inc. 46.9 8,400 368,972 Muncie Donald A Burton. 46.5 9,600 1,010,804 Shelbyville Shelbyville Radio, Inc. 46.1 3,730 243,136 Terre Haute Banks of the Wabash, Inc. 48.7 7,440 415,999 IOWA Cedar Rapids The Gazette Company 44.7 7,400 282,000 (50 uv/m) Davenport Tri-City Broadcasting Co. 46.1 18,200 (50 uv/m) Central Broadcasting Co. 46.1 18,200 (50 uv/m) Elegraph Herald 46.5 8,660 300,250 (50 uv/m) 47.7 (50 uv/m) (50				394 500
Springfield Commodore B/C, Inc. 46.9 8,050 404,661 Springfield WCBS, Incorporated 46.1 11,594 650,218 Waukegan Keystone Printing Service 47.1 2,890 527,798 INDIANA Evansville Evansville On The Air 44.3 29,668				
Springfield WCBS, Incorporated 46.1 11,594 650,218 Waukegan Keystone Printing Service 47.1 2,890 527,798 INDIANA	Rock Island Rock Island B/C Co		,	
Waukegan Keystone Printing Service 47.1 2,890 527,798 INDIANA Evansville Evansville On The Air 44.3 29,688 Fort Wayne Farnsworth Television & Radio Corp. 46.1				
INDIANA	SpringfieldWCBS, Incorporated	46.1	11,594	650,218
Evansville		. 47.1	2,890	527,798
Fort Wayne		44.9	20 600	
Hammond Radio Station WJOB 49.9 2.241 691.853 Hammond WFAM, Incorporated 49.7 Table Table				
Hammond WFAM, Incorporated 49.7 Indianapolis Capitol B/C Corp. 48.7 14,120 1,417,204 (50 uv/m) Indianapolis Indianapolis F.C. 10,17,471 Indianapolis Scripps Howard Radio, Inc. 46.9 8,400 386,6972 Muncie Donald A Burton 46.5 9,600 1,108,084 Shelbyville Shelbyville Radio, Inc. 46.1 3,730 243,136 Terre Haute Banks of the Wabash, Inc. 48.7 7,440 415,999 IOWA Cedar Rapids The Gazette Company 44.7 7,400 282,000 (50 uv/m) 200 (50 uv/m) 200 uv/m 200 uv/m 200 uv/m 200 uv/m 200 uv/m 200 uv/m 2	· · · · · · · · · · · · · · · · · · ·		- ,	
Indianapolis			2,241	691,853
Indianapolis	HammondWFAM, Incorporated	. 49.7		
Indianapolis			14.120	
Muncie			,	(50 uv/m)
Muncie Donald A Burton 46.5 9,600 1,108,084 Shelbyville Shelbyville Radio, Inc. 46.1 3,730 243,136 Terre Haute Banks of the Wabash, Inc. 48.7 7,440 415,999 IOWA Cedar Rapids The Gazette Company 44.7 7,400 282,000 (50 uv/m) Davenport Tri-City Broadcasting Co. 46.1 18,200 Central Broadcasting Co. 46.1 18,200 Dubuque Telegraph Herald 46.5 8,060 300,250 Waterloo Josh Higgins B/C Co. 44.3 26,943 1,354,523 KANSAS Hutchinson Hutchinson Pub. Co. 43.3 15,200 332,500 Topeka Topeka B/C Assn. Co. 45.5 4,804 191,299 Wichita The Farmers & Bankers B/C Corp. 47.3 15,600 427,729 KENTUCKY Ashland Ashland B/C Company 46.1 4,160 398,692 (50 uv/m) Lexington American B/C Corp. 64.5 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 Louisville WAVE, Inc. 46.9 13,300 Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.) Company 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,000 1,343,000 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Colney FM Development Foundation 43.9 18,844 2,956,668 Colley FM Development Foundation 43.9 18,844 2,956,668 Colley Colley FM Development Foundation 43.9 18,844 2,956,668 Colley Colley FM Development Coundation 43.9 18,844 2,956,668 Colley Colley FM Development Coundation 43.9 18,844 2,956,668 Colley Colley Colley Colley Colley Colley Colley Colley Colley Col				
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Terre Haute Banks of the Wabash, Inc. 48.7 7,440 415,999 IOWA Cedar Rapids The Gazette Company 44.7 7,400 282,000 (50 uv/m) 28	MuncieDonald A. Burton	46.5	9,600	1,108,084
Terre Haute Banks of the Wabash, Inc. 48.7 7,440 415,999 IOWA Cedar Rapids The Gazette Company 44.7 7,400 282,000 (50 uv/m) 28	Shelbyville Shelbyville Radio Inc.	46.1	3.730	243,136
The Gazette Company				
Davenport	•	40.7	1,110	410,555
Davenport	Cedar RapidsThe Gazette Company	44.7	7,400	
Central Broadcasting Co. 46.1 18,200 18,000 300,250 30	Davenport Tri-City Broadcasting Co	46.3	10 600	
Dubuque				
Waterloo Josh Higgins B/C Co. 44.3 26,943 1,354,523 KANSAS Hutchinson Hutchinson Pub. Co. 43.3 15,200 332,500 Topeka Topeka B/C Assn. Co. 45.5 4,804 191,299 Wichita The Farmers & Bankers B/C Corp. 47.3 15,600 427,729 KENTUCKY Ashland Ashland B/C Company 46.1 4,160 398,692 (50 uv/m) Lexington American B/C Corp. of Ky 45.1 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 (50 uv/m) Louisville WAVE, Inc. 46.3 46.3 3,665 750,125 (800,716 based Louisville Northside B/C Corp. 46.3 46.3 3,665 750,125 (800,716 based Owensboro Owensboro B/C Co, Inc. 47.9 7,250 LoUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,				
Hutchinson				
Hutchinson		44.3	26,943	1,354,523
Topeka		433	15 200	222 500
Wichita The Farmers & Bankers B/C Corp. 47.3 15,600 427,729 KENTUCKY Ashland Ashland B/C Company 46.1 4,160 398,692 (50 uv/m) Lexington American B/C Corp. of Ky 45.1 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.) Owensboro Owensboro B/C Co., Inc. 47.9 7,250 LOUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore				
Ashland			,	
Ashland Ashland B/C Company 46.1 4,160 398,692 (50 uv/m) Lexington American B/C Corp. of Ky. 45.1 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.) Owensboro Owensboro B/C Co., Inc. 47.9 7,250 LOUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668	WichitaThe Farmers & Bankers B/C Corp	47.3	15,600	427,729
Ashland Ashland B/C Company 46.1 4,160 398,692 (50 uv/m) Lexington American B/C Corp. of Ky. 45.1 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.) Owensboro Owensboro B/C Co., Inc. 47.9 7,250 LOUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668	KENTUCKY			
Lexington		46 1	4 160	308 605
Lexington American B/C Corp. of Ky 45.1 6,300 391,742 Louisville WAVE, Inc. 46.9 13,300 Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.) Owensboro Owensboro B/C Co., Inc. 47.9 7,250 LOUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore Baltimore Radio Show, Inc. 45.9 5,500 1,333,000 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m	AsinanaAsinana D/C Company	40.1	7,100	,
Louisville				
Louisville Courier-Journal & Louisville Times Co. 45.7 13,200 1,004,320 1,004,320 8,665 750,125 (800,716 based latest fig.)				391,742
Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.)	LouisvilleWAVE, Inc	46.9	13,300	
Louisville Northside B/C Corp. 46.3 8,665 750,125 (800,716 based latest fig.)	Louisville Courier-Journal & Louisville Times Co	45.7	13.200	1.004.320
Company				
Owensboro Owensboro B/C Co., Inc. 47.9 7,250 LOUISIANA New Orleans .The Times-Picayune Pub. Co. 44.3	Zouldville ::	10.0	,	00,716 based
LOUISIANA New Orleans The Times-Picayune Pub. Co. 44.3 14.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668				latest fig.)
New Orleans The Times-Picayune Pub. Co. 44.3 New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) 650 uv/m) 650 uv/m) 1,343,000 Baltimore Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668	•	47.9	7,250	
New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland .Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 Solutymb (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 C50 uv/m Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668				
New Orleans Loyola University 44.9 8,478 815,078 MAINE Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland .Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 Solutymb (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 C50 uv/m Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668	New Orleans The Times-Picayune Pub. Co	44.3		
MAINE Augusta .Gannett Pub. Co. 49.1 3,968 161,003 Portland .Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668			8.478	815,078
Augusta Gannett Pub. Co. 49.1 3,968 161,003 Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494			-,	,
Portland Portland B/C System, Inc. 47.1 3,980 359,687 MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 1,343,000 1,343,000 1,393,884 1				
MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668				161,003
MARYLAND Baltimore .The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668	PortlandPortland B/C System, Inc	47.1	3,980	359,687
Baltimore The A. S. Abell Co. 46.3 6,040 1,810,159 (50 uv/m) Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668				
Baltimore Baltimore B/C Corp. 48.3 3,600 1,343,000		463	6.040	1 910 150
Baltimore .Baltimore B/C Corp. 48.3 3,600 1,343,000 Baltimore .The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) .50 uv/m) .50 uv/m) Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668	Darminore The A. B. Abell Co	40.0	0,040	
Baltimore The Baltimore Radio Show, Inc. 45.9 5,500 1,393,884 Baltimore Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) (50 uv/m) Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668	TO 111 TO 111 TO 111			
Baltimore .Hearst Radio, Inc. 43.7 8,857.6 2,383,494 (50 uv/m) Baltimore .Maryland B/C Company 48.9 2,904 1,209,745 Baltimore .The Monumental Radio Co. 47.9 4,520 1,365,000 Olney .FM Development Foundation 43.9 18,844 2,956,668				
Solution Solution	BaltimoreThe Baltimore Radio Show, Inc	45.9	5,500	1,393,884
Solution Solution	BaltimoreHearst Radio Inc	43.7	8.857.	5 2,383,494
Baltimore Maryland B/C Company 48.9 2,904 1,209,745 Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668			.,	
Baltimore The Monumental Radio Co. 47.9 4,520 1,365,000 Olney FM Development Foundation 43.9 18,844 2,956,668	Raltimore Maryland B/C Company	49.0	2 004	
OlneyFM Development Foundation 43.9 18,844 2,956,668	Daltimore	40.9		
SalisburyThe Peninsula B/C Co				2,956,668
	SalisburyThe Peninsula B/C Co	48.9	6,000	

State and City Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Population
MASSACHUSETTS			
Boston	. 43.5	20,200	5,972,246
Boston	. 10.0	20,200	(50 uv/m)
BostonFidelity B/C Corp	. 47.1	4,830	
BostonFilene's Television, Inc	. 43.1	21,709	5,597,460
Brookline Matheson Radio Co., Inc	. 47.7	3,600	2,557,000
Fall River Worcester Telegram Pub. Co		7,000	
Greenfield Doughty & Welch Elec. Co., Inc	. 47.3	2,120	1,000,000
HolyokeJohn W. Haigis LawrenceThe Hampden-Hampshire Corp		3,556 $14,340$	225,186 $1,825,597$
New Bedford Hildreth & Rogers Company	. 44.9	2,970	651,000
(Paxton) E. Anthony & Sons		19,650	4,779,600
New Bedford E. Anthony & Sons, Inc		18,100	350,240
Pittsfield Eagle Publishing Co	. 46.3	10,061	861,457
PittsfieldMonroe B. England		7,000	
WalthamRaytheon Mfg. Co	. 45.5	6,530	
Worcester	40.5	00.405	2 000 =00
(Paxton) Worcester Telegram Pub. Co	. 43.5	20,437	6,038,500
MICHIGAN			
Bay City Bay B/C Company, Inc		8,157	333,995
Ann Arbor Washtenaw B/C Co		3,472	430,136
Battle CreekFederated Publications, Inc	. 48.1	4,100	278,739 (50 uv/m)
Benton Harbor The Palladium Pub. Co	. 46.1	1,825	98,000
DearbornHerman Radner			
DetroitJames F. Hopkins, Inc		6,790	2,133,811
• • • •		,	(50 uv/m)
DetroitIUUAAA Workers of America	. 43.1	22,750	
DetroitKing-Trendle B/C Corp		6,750	2,564,008
DetroitWJR, The Goodwill Station	45.3	6,800	2,480,714
FlintIUUAAA Workers of America	. 45.9	8,045	1 007 407
Grand RapidsFetzer B/C Company	43.9	18,250	1,297,437
Grand RapidsKing-Trendle B/C Corp		5,300 6,460	493,842 546,100
Jackson WIBM, Incorporated		0,400	
LansingWJIM, Incorporated		3,800	280,296
Muskegon Ashbacker Radio Corp	45.7	2,290	191,845
Port HuronThe Times Herald Co		5,600	434,000
SaginawSaginaw B/C Company	45.5	2,100	
Wyandotte Wyandotte News Co	46.1	775	267,333
MINNESOTA			
Minneapolis Minnesota B/C Corp		16,155	1,433,063
Rochester Southern Minnesota B/C Co		15,400	
St. PaulWMIN Broadcasting Co	45.7	13,273	195,394
MISSOURI	40.0	0.000	
Kansas City WHB Broadcasting Co		9,200	1 207 576
Kansas CityKansas City Star	44.5 43.9	26,400	1,387,576
St. JosephKFEQ, Incorporated			
St. LouisColumbia B/C System, Inc	45.9	13,400	1,871,398
St. LouisGlobe-Democrat Pub. Co		13,083	1,858,665
St. LouisMissouri Broadcasting Co	46.7	13,200	1,799,870
St. LouisThomas Patrick, Inc	47.7	17,480	
The Pulitzer Pub. Co	45.5	13,391	1,531,182
St. Louis	45.4	10.000	(50 uv/m)
St. LouisSt. Louis University		13,000	1,682,500
St. LouisStar-Times Pub. Co	44.7	1 2,4 80	1,748,733
NEBRASKA			(50 uv/m)
LincolnCornbelt B/C Corp	47.3	18,300	549,668
OmahaInland B/C Company		9,950	93,846
OmahaWorld Publishing Company		11,660	1,062,000
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State and City Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Population
State and Cay Appacant	(meys.)	(34. 111.)	r opaution
NEVADA	40.5	560	90 179
Las VegasNevada B/C Company	. 49.5		28,172 plus 10,000
			tary pers.)
RenoReno Newspaper, Inc	. 43.7	35,558.7	309,181
NEW HAMPSHIRE		,	,
ManchesterThe Radio Voice of N. H	. 43.5	31,630	2 ,318,33 3
NEW JERSEY	40.4	- 400	
Jersey CityFidelity Media B/C Corp		5,160	4,199,500
Jersey City New Jersey B/C Corp NewarkThe Evening News Pub. Co		6,200 19,861	11,194,000
NewarkIUUAAA Workers of America		18,750	14,192,769
New BrunswickHome News Pub. Co		3,420	1,215,936
PassaicThe Passaic Daily News		3,878	5,915,787
PatersonNorth Jersey B/C Co		4,928	
TrentonMercer B/C Company		3,200	910,000
NEW YORK		,	,,,,,,
AlbanyWOKO, Incorporated	. 45.1	7,164	922,163
		,	(50 uv/m)
BinghamtonWylie B. Jones Adv. Agency	. 43.7	6,500	
BuffaloWBEN, Incorporated		21,830	2,405,500
BuffaloWEBR, Incorporated		3,420	
BrooklynFrequency B/C Corp	. 43.7	8,500	11,900,000
Coming The Fermina London	40.7	5.010	(50 uv/m)
CorningThe Evening Leader	. 49.7	5,213	319,884
Hastings-on- HudsonBernard Fein	. 48.7	8,500	12,147,260
Hornell The W. H. Greenhow Co		5,062	237,353
IthacaCornell University		15,000	201,000
JamestownJames B/C Co., Inc		10,352	664,907
New York The American Network, Inc		8,840	12,500,000
New YorkBlue Network, Inc	. 47.0	8,950	12,320,500
New YorkDebs Memorial Radio Fund, Inc	. 48.7	8,600	12,300,000
New York Hearst Radio, Inc		8,570	11,388,577
New York News Syndicate Co., Inc.	. 47.9	8,500	11,212,416
New YorkOak Park Realty and Amusement Co	. 47.9	10,800	5,030,510
(Chicago)	40.2	0.720	11 200 742
New York WBNX B/C Co., Inc.	. 48.3	8,730	11,328,743 (50 uv/m)
New YorkWMCA, Incorporated	. 48.3	8,550	(30 uv/III)
OgdensburgSt. Lawrence B/C Corp		7,8 5 4	
OswegoPalladium-Times, Inc		2,392	183,271
PoughkeepsiePoughkeepsie Newspapers, Inc		10,198.5	
SyracuseCentral New York B/C Corp	. 46.3	6,800	562,000
SyracuseOnondaga Radio B/C Corp		6,745	555,366
SyracuseWAGE, Inc		7,780	623,213
UticaWIBX, Incorporated	. 45.7	10,290	528,069
Watertown The Brockway Company	. 47.3	4,145	138,591
White Plains Westchester B/C Corp	. 49.9	435	
NORTH CAROLINA			
DurhamDurham Radio Corporation			
GreensboroGreensboro B/C, Inc	. 44.5	11,130	73,055
GreensboroGreensboro News Co		13,200	452 000
High PointRadio Station WMFR		5,820 5,030	452,000 38,493
RaleighWPTF Radio Company	. 43.1	23,343	1,406,723
Roanoke Rapids .Telecast, Inc.	. 49.1	5,198	319,192
Dealer Manual Tolk Title		7,250	25,568
Rocky MountJosh L. Horne			

State and City Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Population
SalisburyPiedmont B/C Corp	. 49.3	6,950	579,000
Winston-SalemPiedmont Publishing Co		4,600	500,684 (50 uv/m)
NORTH DAKOTA			
FargoKVOX B/C CompanyOHIO	. 44.5	5,800	124,567
AkronSummit Radio Corporation		922	
AkronNied and Stevens		262 8,494	140,344
AshtabulaWICA, Incorporated		4,116	307,254
Canton The Ohio Broadcasting Co	46.1	8,499	951,070
CincinnatiCincinnati B/C Co	. 43.7	19,100	2,095,765
CincinnatiCincinnati Times-Star Co		13,700	1,496,500
Cincinnati The Crosley Corp		13,700	
CincinnatiL. B. Wilson, Inc		13,700	455 C10
CincinnatiScripps Howard Radio, Inc		13,700	455,610
Cleveland		8,420	2,212,953
IUUAAA Workers of America		17,500	
ClevelandWGAR B/C Company	45.5	8,500	
ColumbusCentral Ohio B/C Co	43.1	21,010	1,629,564
Columbus The Crosley Corp		12,400	: :::::::::::::::::::::::::::::::::::::
Columbus The Pixleys	. 48.5	12,500	1,022,711
ColumbusUnited B/C Company		12,400 8,000	
DaytonThe Crosley Corp NewarkThe Advocate Printing Co		0,000	
SteubenvilleLiberty B/C Company			
(Pittsburgh)			
SteubenvilleThe Valley B/C Company			
ToledoThe Toledo Blade Company	. 45.5	8,400	
ToledoFort Industry Co		19,350	246,750
Wooster Wooster Republican Printing Co		7,780	577,873
YoungstownWFMJ B/C Company		15,610 15,690	2,987,176 3,041,839
OKLAHOMA	. 10.0	10,000	0,011,000
LawtonPlaza Court B/C Co		15,394	
Oklahoma CityNed Shepler		4,500	
Oklahoma City WKY Radiophone Company	. 44.5	21,000	
TulsaFred Jones B/C Co		22,000	787,532
Tulsa	. 45.7	23,850	967,812
OREGON			
Medford Mrs. W. J. Virgin		3,121	29,539
PortlandBroadcasters Oregon, LtdPortlandOregonian Publishing Co		5,826 13,328	634,044 739,556
PortlandKOIN, Inc.		12,856	734,214
PENNSYLVANIA	. 1011	1=,000	
BethlehemAssociated B'casters, Inc	. 48.5	2,800	
HarrisburgHarrisburg B/C Co	. 43.5	11,548	502,989
HarrisburgKeystone B/C Corp		4,000	002,000
HarrisburgThe Patriot Company		7,633	1,045,857
JohnstownWJAC, Inc		21,792	2,868,509
LancasterWGAL, Incorporated		1,200	1
PhiladelphiaGibraltar Service Corp		9,318	3,998,402
PhiladelphiaThe Philadelphia Inquirer		15,500 9,300	4,697,141
PittsburghPittsburgh Radio Supply House		9,300 8,400	3,992,850 2,095,718
PittsburghWCAE, Incorporated		8,650	2,429,000
Reading	. 46.5	4,275	889,600
ScrantonScranton B'casters, Inc.	. 48.1	19,557	2,697,425
SharonSharon Herald B/C Co	. 45.9	11,030	1,763,157
UniontownFayette B/C Corp		10,240	1,628,338
Wilkes-BarreLouis G. Baltimore	• • • • •		• • • • • • • •

State and City Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Population
WilliamsportWRAK, Incorporated	47.7	11,675	1,183,934
YorkSusquehanna B/C Co	44.5	3,060	441,700
York		1,550	
RHODE ISLAND	•	,	
PawtucketPawtucket Broadcasting Co	45.1	3,760	1,543,488
ProvidenceCherry & Webb B/C Co		6,207	4,230,838
Floridence Cherry & Webb B/C Co	11.0	0,201	(50 uv/m)
Providence The Outlet Company	48.5	7,520	6,263,346
ProvidenceThe Outlet Company		1,020	
Drawidanaa Drawidanaa Jaumal Ca	46.6	6.767	(50 uv/m)
ProvidenceProvidence Journal Co		3,950	1,272,147
ProvidenceA. A. Schechter	45.1	3,950	• • • • • • • • •
SOUTH CAROLINA			
Charleston Atlantic Coast B/C Company	47.7	6,400	
ColumbiaSurety Life Ins. Co		16,230	537,232
GreenvilleGreenville News-Piedmont Co	44.1	23,687	1,612,477
GreenwoodGrenco, Incorporated	44.7	5,305	246,397
SpartanburgSpartanburg Adv. Co	43.5	26,600	
TENNESSEE			
ChattanoogaWDOD B/C Corp	47.5	23,800	1,289,993
JacksonThe Sun Publishing Co		13,400	657,509
KnoxvilleAmerican Broadcasting Corp	45.1	3,230	306,423
MemphisMemphis Publishing Co		19.640	
NashvilleNashville Radio Corp		16,000	
	10.0	10,000	
TEXAS			
AbileneReporter Broadcasting Co		6,936	
Amarillo Amarillo B/C Corp		5,600	8 0,024
AustinFrontier B/C, Inc		12,900	
BeaumontKRIC, Incorporated		6,650	
DallasA. H. Belo Corporation	43.7	22,700	
DallasKRLD Radio Corp		20,000	
GalvestonKLUF B/C Co., Inc	44.5	940	94,628
Harlingen Harbineto B/C Co., Inc		2,400	
HoustonHouston Printing Corp	46.5	10,500	722,600
HoustonKTRH Broadcasting Company	47.7	14,300	856,882
San AngeloKGKL, Incorporated		6,936	
San AntonioThe Walmac Company	45.3	10,506	536,1 04
San AntonioSouthland Industries, Inc	44.5	16,500	
TexarkanaKCMC, Incorporated	48.1	7,088	
WacoFrontier B/C, Inc	46.1	13,700	
Wichita Falls Rhea Howard	46.5	12,800	
TTM 4 TY			
UTAH			
Salt Lake CityIntermountain B/C Corp	46.7	800	239,07 9
VIRGINIA			
Newport News Hampton Roads B/C Company	44.7	5,950	549,939
NorfolkWTAR Radio Corporation		5,702	560,312
PortsmouthPortsmouth Radio Corp		6,000	538,659
RoanokeTimes-World Corporation		30,340	1,806,731
Richmond Havens & Martin, Inc			
		12,130	658,236
RichmondRichmond Radio Corporation	46.3	11,269	68 5,44 0
WASHINGTON			
Seattle	44.3	8,200	
SpokaneLouis Wasmer, Inc		12,609	249,887
Sporano monto musifici, inc	10.1	12,000	220,001
WEST VIRGINIA			
Charleston Charleston Broadcasting Co	43.5	11,525	
Morgantown West Virginia Radio Corp		33,244	4,000,000
*		•	(approx.)
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State and City	Applicant	Fre- quency (megs.)	Cover- age (sq. mi.)	Populatien
WISCONSIN				
Green Bay	Green Bay Newspaper Co			
Madison	Badger Broadcasting Co	43.3	31,640	2,272,719
Milwaukee	Hearst Radio, Inc. (NY)	43.5	17,791	2,107,277
	.The Journal Company		17,828	1,930,745
	Milwaukee B/C Co		1,279	843,685
Milwaukee	.Wisconsin Radio, Inc	46.1	7,750	1,450,749
	Oshkosh B/C Company		3,810	265,436
	Racine Broadcasting Co		2,540	446,611
	Press Pub. Co		2,360	280,890
	Record Herald Company		,	,

DEVELOPMENTAL STATIONS

Licensee and Location	Frequency	Power
The Atlanta Journal Co., Atlanta, Georgia	•	to be assigned 700v (cp only)
Courier Journal & Louisville Times		
T-NE of Eastwood, Ky		1kw
Everett L. Dillard tr/as Commercial Radio Equipment Co., Washington, D. C		to be assigned 250v
Everett L. Dillard tr/as Commercial Radio Equipment Co., Washington, D. C.—Portable	t	to be assigned 100v (cp only)
Temple Ehmsen, Portland, Oregon		to be assigned 1kv
The Journal Co., Milwaukee, Wisconsin	45.500	100w
KLZ Broadcasting Co., Denver, Colorado		1kw (cp only
Maryland Broadcasting Co., Baltimore, Maryland		to be assigned 1kv (cp only)
Matheson Radio Co., Boston, Massachusetts		to be assigned 1kv (cp only)
Muzak Corporation, New York		1kw (cp only) 25 watts 100 watts
Voice of Alabama, Birmingham, Alabama		to be assigned 1kv
Voice of Alabama, Birmingham, Alabama		(cp only) to be assigned 250v (cp only)

DEVELOPMENTAL APPLICATIONS PENDING

Evansville On The Air, Inc., Glenwood, Indiana	43,300 49,100 49,100 49,100 49,100 49,100		1kw 1kw 1kw 1kw 1kw
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EXPERIMENTAL STATIONS

Crosley Corporation, Cincinnati, Ohio	43,200	1kw
C. M. Jansky Jr. and Stuart L. Bailey, d/b as Jansky		
and Bailey, Georgetown, D. C	43,200	1kw