MARTIN CODEL'S

AUTHORITATIVE NEWS SERVICE OF THE VISUAL BROADCASTING AND FREQUENCY MODULATION ARTS AND INDUSTRY

Television Digest and FM Reports

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March 2, 1946

ACCELERATING FM ACTIVITY: Concurrent with the present flurry of new AM station grants, mostly for daytime outlets, applications to the FCC for FMs seem to be perking up. Since publication of our Supplement No. 14F, 16 new FM appplications have been filed, bringing grand total as of March 1 to 789. Supplement No. 14G herewith lists these newest applications, includes another one for Washington, D. C. -- making 15 now vying for that city's 10 channels, hearing on which is scheduled March 11. Most of new applicants are AM-affiliated.

Also granted this week were 15 more conditionals (Supplement 30A), which brings total to 345. Among them were 3 to Dallas-Fort Worth, one to Midwest Broadcasting Co., Milwaukee, whose president is the city's postmaster, John Fleissner. Construction permits covering some of these conditionals, and designating frequencies and powers, may be expected "any day now," according to FCC sources.

Boston hearing on FM has been shifted to new date, April 2, with Commissioner Durr sitting there. For Boston area applicants to date, see Supplements 14A to 14G inclusive.

CLOSER FM SPACING? Recipient of a CP for developmental FM this week, United Broadcasting Co. (Cleveland Plain Dealer) will experiment with transmitter antennas featuring rotating polarization. United's director of engineering, Carl E. Smith, formerly supervisor of Loran antenna research for Army Signal Corps, believes system may permit closer spacing of FM frequencies, leading to more channels in allocated 88-108 mc band. He expects development will produce transmitter antenna gain of 20 to 30, allow simpler receiver antenna design. Plans call for duplication of United's AM station WHK and MBS programs, giving first service to FM set owners in Cleveland area. United is also applicant for commercial FMs in Cleveland, Columbus, Akron.

COLOR CAMPAIGN CONTINUES: That CBS intends to continue unabated its campaign for color as against black-and-white TV, was emphasized anew in a press release issued Tuesday following a demonstration of its system (Vol. 2, No. 5) to the Columbia Affiliates Advisory Board of 8 broadcasters representing the network's 145 independently owned stations. The CBS tack now is to enlist support for a demand upon the FCC that it "authorize commercial licenses for ultra-high frequency stations to transmit high-definition color television." The ultra-highs reserved for TV are now labeled experimental by the FCC.

Then on Friday CBS demonstrated its color in New York to a party of Senators and Congressmen from the Congressional committees handling radio, whom President Frank Stanton took occasion to address personally. He told them the "issue" is now being taken before the "ultimate court" -- the public. The decision, so far, is overwhelmingly for color, he said. CBS showed color to a random group of 90 TV set owners recently, he said: and, after seeing it, only 12% expressed their satisfac-

tion with black-and-white. In the Congressional party were: Sen. Wheeler (Mont.) and Sen. Hawkes (N.J.); Reps. Halleck (Ind.), O'Hara (Minn.), Howell (Ill.), Harless (Ariz.); Ed Jarrett, clerk of Senate Committee on Interstate Commerce; Elton Layton, clerk of House Committee on Interstate & Foreign Commerce.

The resolution adopted by CBS's affiliates board urged that "the interests of the broadcasting industry as well as....the American public will be served by the early change from the standards of prewar television" and that "the public should be saved the expense of double investment....the broadcasters the burden of double losses." The press release asserts this resolution was passed following "a demonstration of Columbia's color television on receivers suitable for the home, and a tranmitter of commercial design." The resolution endorses Columbia's work "in making it possible at this time for the American people to receive a television service much better than can be rendered under present commercial standards."

Signers of the resolution were: I. R. Lounsberry, WKBW, Buffalo; E. E. Hill, WTAG, Worcester; Clyde Coombs, KARM, Fresno, Cal.; F. C. Eighmey, KGLO, Mason City, Ia.; George J. Higgins, KSO, Des Moines; Clyde Rembert, KRLD, Dallas; John M. Rivers, WCSC, Charleston, S. C.; W. H. Summerville, WWL, New Orleans. Three of these have applications pending for present low-band commercial TV channels -- WTAG, KRLD, WWL (Supplement No. 18).

Only applicants thus far for experimental TV stations on the ultra-highs are: CBS, seeking 480-496 mc for Boston, St. Louis, Chicago and Pasadena; Continental Television Corp., Boston, seeking the 174-180, 186-192, 210-216, 495-515, 630-660 and 780-830 mc bands; Kansas State College, Manhattan, Kan., seeking 500-510 and 900-910 mc.

* * *

At the FCC, it was indicated that any move to commercialize the uhf must be initiated within the industry, accompanied by sufficient field data to warrant setting up standards -- or at least enough to warrant calling engineering conferences looking to standards. Since present low-band TV standards (Supplement No. 9) took a long time to effect, prospects for completely new set of them for ultra-highs are seen rather distant. So far no one has come forth with concrete proposals, it was stated.

As to Commission's attitude toward uhf color, its members who have seen it are deeply impressed but apparently not convinced it is near enough to practicable adaptation to call stoppage on black-and-white. Acting Chairman Denny voiced FCC stand, when asked in interview with Washington News Friday: "Do you think television eventually will be broadcast on the ultra-high frequencies or on the comparatively low frequencies?" His reply:

"Proponents of black-and-white television have requested the Commission to guarantee the video will remain on the lower band for at least five years, to preclude the possibility of junking receivers designed to low-frequency reception. We have refused. Also, we have refused to hold up allocation of low-frequency channels even for a year, at the request of high-frequency color advocates, to provide time for standardizing all transmissions in that range. We have left it up to the public to decide which type they shall invest in."

CAL TECH'S COLOR TV: Uhf color TV in three dimensions, investigated by famed California Institute of Technology under supervision of Dr. Robert A. Millikan, is object of Los Angeles Times' CP for experimental TV (Vol. 2, No. 8). Inquiry into plans shows the Times is putting up $60,000, work to be done by graduate students, projected development of transmitter utilizing 26 to 32 mc band width in the 510-545 mc, 700-735 mc, 885-920 mc bands. The Times is also applicant for commercial TV in Los Angeles and FMs in L.A. and Pasadena.

Television Digest and FM Reports

Supplement No. 30
February 23, 1946

TV-FM BUILDING • 1519 CONNECTICUT AVE. N.W. • WASHINGTON 6, D. C. • TELEPHONE MICHIGAN 2020

Cumulative Log of

Conditional Grants to Applicants for New FM Stations

(Including additional grants announced by FCC the week of February 18, 1946, for which cities are indicated by italics)

This consolidates and supersedes Supplements 28, 28A and 28B

FULL DATA ON THESE APPLICANTS WILL BE FOUND IN SUPPLEMENTS 14A, 14B, 14C, 14D, 14E, 14F

Dagger (†) *indicates Metropolitan station. Double dagger* (‡) *Metropolitan, possibly Rural. Asterisk* (*) *Community.*

For definitions of classes of stations, see FM Rules, Supplement No. 7

City	Applicant	AM Affiliate
ALABAMA		
Anniston	‡Harry M. Ayers	WHMA
Birmingham	‡The Birmingham News Co.	WSGN
Birmingham	†Johnston Broadcasting Co.	WJLD (Bessemer)
Mobile	†W. O. Pape, tr/as Pape Bcstg. Co.	WALA
Mobile	†Mobile Daily Newspapers, Inc.	———
Montgomery	†G. W. Covington, Jr.	WCOV
Montgomery	‡Montgomery Broadcasting Co. Inc.	WSFA
ARKANSAS		
Fort Smith	‡Donald W. Reynolds	———
CALIFORNIA		
Alameda	†Abraham and Sara Kofman, d/b as Times-Star Publishing Co.	———
Berkeley	†Central Cal. Broadcasters, Inc.	KRE
Fresno	‡J. E. Rodman	KFRE
Fresno	†KARM, The George Harm Station	KARM
Marysville	‡Sacramento Valley Broadcasters	———
Oakland	†Tribune Building Co.	KLX
Oakland	†Warner Brothers	KWBR
Ontario	*The Daily Report	———
Palo Alto	*Peninsula Newspapers, Inc.	———
Richmond	*Contra Costa Broadcasting Co. *Richmond Independent*	———
Riverside	‡The Broadcasting Corp. of America	KPRO
Sacramento	†McClatchy Broadcasting Co.	KFBK
Sacramento	†Lincoln Dellar	KXOA
San Bernardino	†The Sun Co. of San Bernardino	———
San Bernardino	†Lee Brothers Broadcasting Co.	KFXM
San Diego	†Airfan Radio Corp. Ltd	KFSD
San Francisco	†Associated Broadcasters, Inc.	KSFO
San Jose	‡Valley Broadcasting Co.	———
San Luis Obispo	†Valley Electric Co.	KVEC
San Mateo	*Amphlett Printing Co.	———
Santa Maria	*Santa Maria Daily Times	———
Stockton	‡E. F. Peffer	KGDM
CONNECTICUT		
Danbury	*The Berkshire Broadcasting Corp.	———
Meriden	†Silver City Crystal Co.	———
New Haven	†Elm City Broadcasting Corp.	WNHC
New London	†Thames Broadcasting Corp.	WNLC
Waterbury	†American Republican, Inc.	WBRY
FLORIDA		
Ft. Lauderdale	†Gore Publishing Co.	———
Jacksonville	†Florida Broadcasting Co.	WMBR
Miami	†Isle of Dreams Broadcasting Corp.	WIOD
Miami	†Miami Broadcasting Co.	WQAM
Miami Beach	†A. Frank Katzentine	WKAT
Orlando	‡Orlando Daily Newspapers, Inc.	———
St. Petersburg	†Pinellas Broadcasting Co.	WTSP
Tampa	†The Tribune Co.	WFLA
GEORGIA		
Atlanta	†The Constitution Publishing Co.	———
Augusta	†Augusta Broadcasting Co.	WRDW
Augusta	†Augusta Chronicle Broadcasting Co.	———
Columbus	†Columbus Broadcasting Co.	WRBL
Columbus	†Ga.-Ala. Broadcasting Corp.	———
Macon	†Middle Ga. Broadcasting Co.	WBML
Macon	†Southeastern Broadcasting Co.	WMAZ
Moultrie	†Frank R. Pidcock, Sr.	WMGA
Rome	†Rome Broadcasting Corp.	WRGA
Savannah	†Savannah Broadcasting Co.	WTOC
Valdosta	‡E. D. Rivers	WGOV
IDAHO		
Boise	†Georgia Phillips, d/b as Boise Broadcast Station	KIDO
Pocatello	†Radio Service Corp.	KSEI
ILLINOIS		
Aurora	†The Copley Press, Inc. [Aurora Beacon-News Division] (Springfield)	WCSB
Bloomington	†Radio Station WJBC	WJBC
Brookfield	*George M. Ives	———
Carbondale	†Southern Ill. Broadcasting Corp.	———
Champaign	*The Champaign News-Gazette, Inc.	WDWS
Evanston	*North Shore Broadcasting Co. Inc.	———
Evanston	*Sentinel Radio Corp.	———
Freeport	†Freeport Journal-Standard Publ. Co.	———
Harrisburg	‡Harrisburg Broadcasting Co.	WEBQ
Herrin	‡Orville W. Lyerla	WJPF
Kankakee	†Kankakee Daily Journal	———
Mt. Vernon	†Midwest Broadcast Co.	———
Quincy	†Lee Broadcasting, Inc.	WTAD
Quincy	†Quincy Newspapers, Inc.	WSOY
Rock Island	†Rock Island Broadcasting Co.	WHBF
Rockford	†Rockford Broadcasters, Inc.	WROK
Springfield	†WTAX, Inc.	WTAX
Waukegan	†Keystone Printing Service, Inc.	———
INDIANA		
Columbus	†Syndicate Theatres, Inc.	———
Connersville	†News-Examiner Co.	———
Elkhart	†Truth Publishing Co., Inc.	WTRC
Kokomo	†Kokomo Broadcasting Corp.	WKMO
Lafayette	†WFAM, Inc.	WASK
Shelbyville	†Shelbyville Radio Inc.	———
IOWA		
Burlington	‡Burlington Broadcasting Co.	KBUR
Cedar Rapids	†The Gazette Co.	———
Des Moines	‡Central Broadcasting Co.	WHO
Des Moines	‡Cowles Broadcasting Co.	KRNT
Dubuque	‡Dubuque Broadcasting Co.	WKBB
Dubuque	‡Telegraph-Herald	KDTH
Waterloo	‡Josh Higgins Broadcasting Co.	KXEL
KANSAS		
Lawrence	†The World Co.	———
Topeka	†Topeka Broadcasting Association, Inc.	WIBW
Wichita	†The Farmers & Bankers Broadcasting Corp.	KFBI
Wichita	†The Radio Station KFH Co.	KFH
KENTUCKY		
Lexington	†American Broadcasting Corp. of Ky.	WLAP
Louisville	†Courier-Journal & Louisville Times Co.	WHAS
Louisville	†Northside Broadcasting Corp.	WGRC
Louisville	†WAVE, Inc.	WAVE
Owensboro	†Owensboro Broadcasting Co., Inc.	WOMI
Paducah	†Paducah Broadcasting Co. Inc.	WPAD
Paducah	†Paducah Newspapers, Inc.	———

City	Applicant	AM Affiliate
LOUISIANA		
Alexandria	*Central La. Broadcasting Corp.	———
Alexandria	†Alexandria Broadcasting Co. Inc.	KALB
New Orleans	†Loyola University	WWL
New Orleans	‡Supreme Broadcasting System, Inc.	———
New Orleans	†The Times Picayune Pub. Co.	———
MAINE		
Bangor	†Portland Broadcasting System Inc.	WGAN
MARYLAND		
Annapolis	†The Capital Broadcasting Co.	———
Baltimore	†A. S. Abell Co. (Baltimore Sunpapers)	———
Baltimore	†Baltimore Broadcasting Corp.	WCBM
Baltimore	†Baltimore Radio Show Inc.	WFBR
Baltimore	†Belvedere Broadcasting Corp.	———
Baltimore	†Maryland Broadcasting Corp.	WITH
Baltimore	†Monumental Radio Co.	WCAO
Frederick	†The Monocacy Broadcasting Co.	WFMD
Hagerstown	†Hagerstown Broadcasting Co.	WJEJ
Salisbury	†Peninsula Broadcasting Co.	WBOC
MASSACHUSETTS		
Brockton	*Cur-Nan Company	———
Fall River	†The Fall River Broadcasting Co. Inc.	WSAR
Fitchburg	†Mitchell G. Meyers, Reuben E. Aronheim and Milton H. Meyers	WEIM
Greenfield	*John W. Haigis	WHAI
Greenfield	*Recorder Publishing Corp.	———
Haverhill	†The Haverhill Gazette Co.	———
Holyoke	†The Hampden-Hampshire Corp.	WHYN
Lawrence	†Hildreth & Rogers Co.	WLAW
New Bedford	†Bristol Broadcasting Co. Inc. (E. Anthony & Sons Inc.)	WNBH-WOCB
North Adams	†James A. Hardman	———
Pittsfield	*Eagle Publishing Co.	———
Pittsfield	†Monroe B. England	WBRK
Salem	*North Shore Broadcasting Co.	WESX
Springfield	†WMAS, Inc.	WMAS
MICHIGAN		
Ann Arbor	†Washtenaw Broadcasting Co.	WPAG
Benton Harbor	†The Palladium Publishing Co.	———
Dearborn	*Herman Radner	WIBM (Jackson)
Detroit	†King-Trendle Broadcasting Corp.	WXYZ
Detroit	†UAW-CIO Broadcasting Corp. of Mich.	———
Detroit	†WJR, The Goodwill Station, Inc.	WJR
Escanaba	†John P. Norton (*Daily Press*)	———
Flint	†Flint Broadcasting Co.	WFDF
Lansing	‡WJIM, Inc.	WJIM
Muskegon	†Ashbacker Radio Corp.	WKBZ
Pontiac	†Pontiac Broadcasting Co.	WCAR
Port Huron	†The Times Herald Co.	———
Saginaw	†Saginaw Broadcasting Co.	WSAM
Wyandotte	*Wyandotte News Co.	———
MINNESOTA		
Mankato	†F. B. Clements & Co.	KYSM
Minneapolis	†Independent Merchants Bcstg. Co.	WLOL
Minneapolis	†Minn. Broadcasting Corp.	WTCN
Rochester	†Southern Minn. Broadcasting Co.	KROC
St. Paul	‡KSTP Inc.	KSTP
St. Paul	†WMIN Broadcasting Co.	WMIN
MISSISSIPPI		
Clarksdale	†Birney Imes Sr.	WROX
Jackson	‡Lamar Life Insurance Co.	WJDX
MISSOURI		
Joplin	†Joplin Broadcasting Co.	WMBH
Kansas City	†The Kansas City Star Co.	WDAF
Kansas City	†WHB Broadcasting Co.	WHB
St. Louis	†Mo. Broadcasting Corp.	WIL
St. Louis	†Thomas Patrick Inc.	KWK
St. Louis	†The Pulitzer Publishing Co.	KSD
St. Louis	†Star-Times Publishing Co.	KXOK
St. Louis	†St. Louis University	WEW
NEBRASKA		
Lincoln	†Cornbelt Broadcasting Corp.	KFOR
Omaha	†Inland Broadcasting Co.	KBON
Omaha	‡World Publishing Co.	KOWH

City	Applicant	AM Affiliate
NEVADA		
Las Vegas	*Nevada Broadcasting Co.	KENO
Reno	†Reno Newspapers, Inc	———
NEW HAMPSHIRE		
Claremont	†Claremont Eagle, Inc.	———
Manchester	†Harry M. Bitner	WFEA
Portsmouth	†WHEB, Inc.	WHEB
NEW JERSEY		
Asbury Park	*Asbury Park Press, Inc.	———
Atlantic City	†Neptune Broadcasting Corp.	WFPG
Atlantic City	†Press-Union Publishing Co.	WBAB
Bridgeton	†Eastern States Broadcasting Corp.	WSNJ
New Brunswick	*Home News Publishing Co.	———
Paterson	*The Passaic Daily News	———
Trenton	†Mercer Broadcasting Co.	———
NEW YORK		
Buffalo	†Roy L. Albertson	WBNY
Buffalo	‡WBEN, Inc.	WBEN
Buffalo	†WEBR, Inc.	WEBR
Corning	†W. A. Underhill and E. S. Underhill Jr., d/b as *The Evening Leader*	———
Dunkirk	*Dunkirk Printing Company	———
Hornell	‡The W. H. Greenhow Co.	———
Ithaca	‡Cornell University	WHCU
Jamestown	†James Broadcasting Co., Inc.	WJTN
Ogdensburg	‡St. Lawrence Broadcasting Corp.	WSLB
Oswego	†Palladium-Times, Inc.	———
Rochester	†Amalgamated Broadcasting System, Inc.	———
Syracuse	†Central New York Broadcasting Corp.	WSYR
Syracuse	†Onondaga Radio Broadcasting Corp.	WFBL
Syracuse	†Radio Projects Inc.	———
Syracuse	†Syracuse Broadcasting Corp.	———
Syracuse	†WAGE, Inc.	WAGE
Troy	†The Troy Record Co.	———
Watertown	†The Brockway Co.	WWNY
White Plains	*Westchester Broadcasting Corp.	WFAS
Utica	†WIBX, Inc.	WIBX
NORTH CAROLINA		
Burlington	†Alamance Broadcasting Co. Inc.	WBBB
Charlotte	†Southeastern Broadcasting Co.	WBT
Durham	†Durham Radio Corp.	WDNC
Fayetteville	†Cape Fear Broadcasting Co.	WFNC
Gastonia	‡F. C. Todd	WGNC
Greensboro	†Greensboro News Co.	———
Hickory	‡Catawba Valley Broadcasting Co. Inc.	WHKY
High Point	†High Point Enterprise, Inc.	———
High Point	†Radio Station WMFR	WMFR
Raleigh	‡WPTF Radio Co.	WPTF
Roanoke Rapids	†Telecast Inc.	———
Roanoke Rapids	†WCBT Inc.	WCBT
Rocky Mount	†Josh L. Horne	———
Rocky Mount	†William Avera Wynne	WEED
Salisbury	†Piedmont Broadcasting Corp.	WSTP
Washington	†Tar Heel Broadcasting System Inc.	WRRF
Wilmington	†Wilmington Star-News Co.	———
Wilmington	†Richard Austin Dunlea	WMFD
Winston-Salem	†WAIR Broadcasting Co.	WAIR
OHIO		
Alliance	†Review Publishing Co.	———
Ashland	‡Beer & Koehl	———
Athens	†The Messenger Publishing Co.	———
Cincinnati	†Buckeye Broadcasting Co.	WSAI
Cincinnati	‡The Cincinnati Times Star Co.	WKRC
Cincinnati	†The Crosley Corp.	WLW
Cincinnati	†Scripps-Howard Radio, Inc.	WCPO
Cincinnati	†L. B. Wilson Inc.	WCKY
Columbus	†The Pixleys	WCOL
Dover	*The Tuscora Broadcasting Co.	———
Fostoria	*Laurence W. Harry	———
Fremont	*Robert F. Wolfe Company	———
Hamilton	*Fort Hamilton Broadcasting Co.	WMOH
Marion	‡The Marion Broadcasting Co.	WMRN
Newark	†The Advocate Printing Co.	———
Toledo	†The Fort Industry Co.	WSPD
Toledo	†Unity Corp., Inc.	———
Warren	*Nied & Stevens	WRRN
Wooster	‡The Wooster Republican Printing Co.	———
Youngstown	†WFMJ Broadcasting Co. (*Vindicator*)	WFMJ
Youngstown	‡WKBN Broadcasting Corp.	WKBN

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Supplement Index
December 29, 1945

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TELEVISION DIGEST & FM REPORTS

Editor's Note: Supplements, included regularly with the weekly newsletter, are designed to provide both current data of immediate utility and reference material of permanent value. All are printed in standard size and convenient form and are punch-holed for filing in standard binders; special binder with any name embossed may be procured by regular subscribers at our cost price of $2.10. Extra copies of all supplements are available to *old or new clients only* at $1 each as long as supply lasts, with the exception of the set of 13 TV Maps (Supplement No. 24) which is $5.

SUPPLEMENTS PERTAINING TO FM

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6	New Channel Assignments for Present FM Licensees and CP Holders Note: This was superseded by Supplement 13	Sept. 15
5	Developmental Broadcast Stations Authorized as of September 1, 1945	Sept. 8
4	Commercial FM License and CP Holders as of September 1, 1945 Including Non-Commercial Educational FM Stations	Sept. 8
3	FCC Preliminary Report on Rules and Regulations and Standards Governing FM Broadcasting Note: This was superseded by full texts, Supplements 7 and 9	Sept. 1

SUPPLEMENTS PERTAINING TO TV

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23	Standards of Good Engineering Practice Concerning TV Broadcast Stations Full text, with graphs and range-finder ruler	Dec. 22
19	Television Allocation Plan Chart Showing TV Channel Assignments by Cities, with Sales Rank, Population, Existing and Proposed AM, FM and TV Stations, Total Number of Applicants Seeking TV Channels	Dec. 1
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17	Text of Rules Governing Television Issued by FCC November 29, 1945, with Channel Allocation Table	Dec. 1
16	FCC Report on Rules and Regulations for Commercial TV Stations—Part I This preliminary report was superseded by Supplement 17	Nov. 24
12	DuMont Estimates of Capital Investment and Operating Costs for a Television Station—Part II	Oct. 20
10	Allocations of Television Channels to Metropolitan Districts Table of allocations by cities later revised and new table included in Rules and Regulations for Commercial Television Stations, Supplement 17.	Oct. 6
8	Applicants for New TV Stations as of September 22, 1945—Part A Note: This was superseded and brought up to date by Supplement 18 Substance of TV Rules and Standards as Proposed by FCC—Part B Note: This was superseded by full texts, Supplements 17 and 23	Sept. 22
2	Experimental Television Stations Authorized as of September 1, 1945 Note: This was superseded by Part II, Supplement 18	Sept. 1
1	Commercial Television License and CP Holders as of September 1, 1945 Note: This was superseded by Part I, Supplement 18	Sept. 1

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11	Attorneys Practicing Before the FCC—Part I The FCC: Major Department Heads and Staff—Part II Congressional Committees Dealing with Radio—Part III	Oct. 13

City	Applicant	AM Affiliate
OKLAHOMA		
Ardmore	†John F. Easley	KVSO
Lawton	†Okla. Quality Broadcasting Co.	KSWO
Muskogee	†Muskogee Broadcasting Co.	———
Oklahoma City	‡KOMA Inc.	KOMA
Oklahoma City	‡Plaza Court Broadcasting Co.	KOCY
Oklahoma City	†O. L. Taylor	KTOK
Oklahoma City	‡WKY Radiophone Co.	WKY
Shawnee	†KGFF Broadcasting Co.	KGFF
Tulsa	†Fred Jones Broadcasting Co.	———
OREGON		
Medford	*Medford Ptg. Co.	KFLW, Klamath Falls, Ore. KRNR, Roseburg, Ore.
Medford	†Mrs. W. J. Virgin	KMED
Portland	†Stanley M. Goard, et al., d/b as Broadcasters Oregon, Ltd.	———
Portland	‡KALE, Inc.	KALE
Portland	†KOIN Inc.	KOIN
Portland	‡KXL Broadcasters	KXL
Portland	†Oregonian Publishing Co.	KGW
Portland	†Pacific Radio Advertising Service	KWJJ
PENNSYLVANIA		
Allentown	†Lehigh Valley Broadcasting Co.	WSAN
Altoona	†The Gable Broadcasting Co.	WFBG
Bethlehem	†The Bethlehem Globe Publishing Co.	———
Bradford	†Bradford Publications, Inc	———
Clearfield	†Airplane & Marine Instruments Co.	———
Du Bois	†Tri-County Broadcasting Co., Inc.	WCED
Easton	*Easton Publishing Co.	———
Erie	†Presque Isle Broadcasting Co.	WERC
Harrisburg	†The Patriot Company	———
Harrisburg	†WHP, Inc.	WHP
Johnstown	†WJAC, Inc.	WJAC
Lancaster	†Peoples Broadcasting Co.	———
Lancaster	†WGAL, Inc.	WGAL
Meadville	†H. C. Winslow (M.D.)	———
Reading	†Hawley Broadcasting Co.	———
Scranton	†Scranton Broadcasters, Inc.	WGBI
Sunbury	†Sunbury Broadcasting Corp.	WKOK
Uniontown	†Fayette Broadcasting Corp.	WMBS
Uniontown	‡Uniontown Newspapers, Inc.	———
Wilkes-Barre	†Louis G. Baltimore	WBRE
Williamsport	†WRAK, Inc.	WRAK
York	†Susquehanna Broadcasting Co.	WSBA
York	†White Rose Broadcasting Co.	———
SOUTH CAROLINA		
Anderson	‡Wilton E. Hall	WAIM
Charleston	†Atlantic Coast Broadcasting Co.	WTMA
Columbia	†Surety Life Ins. Co.	WIS
Greenville	†Textile Broadcasting Co.	WMRC
Greenville	†The Greenville News-Piedmont Co.	WFBC
Greenwood	†Grenco, Inc.	WCRS
Rock Hill	*York County Broadcasting Co.	WRHI
Spartanburg	‡Spartanburg Advertising Co.	WSPA
TENNESSEE		
Bristol	‡Radiophone Broadcasting Station WOPI, Inc.	WOPI
Chattanooga	†Unity Broadcasting Corp. of Tenn.	———
Chattanooga	†WDOD Broadcasting Corp.	WDOD
Clarksville	†William Kleeman	WJZM
Clarksville	†Leaf-Chronicle Co.	———
Jackson	†The Sun Publishing Co., Inc.	WTJS
Johnson City	†WJHL, Inc.	WJHL
Knoxville	†S. E. Adcock	WROL
Knoxville	†Knoxville Publishing Co.	———
Memphis	†Herbert Herff	———
Memphis	‡Hoyt B. Wooten	WREC
Nashville	†WSIX Broadcasting Station	WSIX
TEXAS		
Beaumont	†KRIC Inc.	KRIC
Brownsville	*Brownsville Herald Pub. Co.	———
College Station	†A. & M. College of Texas	WTAW
Galveston	†The KLUF Broadcasting Co. Inc.	KLUF
Harlingen	†Harbenito Broadcasting Co. Inc.	KGBS
Houston	†Houston Printing Corp.	KPRC
Houston	†KTRH Broadcasting Co.	KTRH
San Antonio	†The Walmac Co.	KMAC
Temple	*Bell Broadcasting Co. Inc.	KTEM
Texarkana	†KCMC Inc.	KCMC
Wichita Falls	†Times Publishing Co. of Wichita Falls	———
UTAH		
Salt Lake City	†Intermountain Broadcasting Corp.	KDYL
VIRGINIA		
Lynchburg	†Lynchburg Broadcasting Corp.	WLVA
Lynchburg	†Old Dominion Broadcasting Corp.	———
Norfolk	†WTAR Radio Corp.	WTAR
Portsmouth	†Portsmouth Radio Corp.	WSAP
Richmond	†Havens & Martin Inc.	WMBG
Winchester	‡Richard Field Lewis, Jr.	WINC
WASHINGTON		
Seattle	†Evergreen Broadcasting Corp.	KEVR-KTYW
Seattle	‡Fisher's Blend Station, Inc.	KOMO
Seattle	‡Queen City Broadcasting Co. Inc.	KIRO
Seattle	†Radio Sales Corp.	KRSC
WEST VIRGINIA		
Beckley	‡Joe L. Smith, Jr.	WJLS
Beckley	†Beckley Newspapers Corp.	———
Bluefield	‡Daily Telegraph Printing Co.	WHIS
Huntington	†Huntington Broadcasting Corp.	———
Morgantown	*West Virginia Radio Corp.	WAJR
WISCONSIN		
Green Bay	†Green Bay Newspaper Co.	———
Greenfield	‡Wm. C. Forrest	WIBU (Poynette)
La Crosse	‡WKBH, Inc.	WKBH
Madison	‡Badger Broadcasting Co.	WIBA
Milwaukee	†Milwaukee Broadcasting Co.	WEMP
Oshkosh	†Myles H. Johns, et al., d/b as Oshkosh Broadcasting Co.	WOSH
Racine	†Racine Broadcasting Corp.	WRJN
Sheboygan	†Press Publishing Co.	WHBL
Wausau	†Record Herald Company	———
WYOMING		
Cheyenne	†Frontier Broadcasting Co.	KFBC

TVs SILENT PENDING SHIFTS: Ordered by the FCC to vacate their old frequencies by March 1 (Vol. 1, No. 17), all existing commercial TV stations with the exception of GE's WGRB, Schenectady (which retains Channel No. 4), are currently off the air pending reconversion to new channels. New York's 3 plan to return to schedules on their new channels in the following order: DuMont's WABD (No. 5), about mid-March when at least Studio A of its new Wanamaker setup is expected to be ready; CBS's WCBW (No. 2), week of March 15; NBC's WNBT (No. 4), "sometime in April, more likely early than late." Balaban & Katz's WBKB, Chicago, resumes March 18 on Channel No. 4. Philco's WPTZ, Philadelphia, resumes March 8 on No. 3. In addition, the two Hollywood experimentals assigned to the commercial bands (Don Lee's W6XAO and Television Production Inc.'s W6XYZ) will resume shortly on Channels No. 2 and 5 respectively. The 28-hours-per-week operating rule has been waived by the FCC until next July 1.

CPs FOR MOBILE FM: Long-promised railroad and automobile communications, utilizing FM, received impetus by CPs granted this week by FCC. Denver & Rio Grande Western R.R. was authorized 32 units, using 159.81 mc, 50 watts, for such uses as cab-to-caboose, train-to-train, station-to-train. Yellow Cab Co., Philadelphia, was granted experimental CP to develop cab dispatching system, and Cleveland Automobile Club Co. received CP to experiment with service truck communication.

Philco this week announced plans to produce complete line of mobile, dial-telephone type FM equipment for use in places inaccessible or too costly to reach with poles and wire, such as farms, ranches, mines, logging camps. Transceivers will employ Philco Advanced FM System and its FM 1000 seven-element tube.

PORTABLE TV PICKUPS: TV is going to sell itself, at least at first, on its ability to bring spot news events to the homes of set owners. Consequently, any improvement in portable pickup units, such as the new Philco "suitcase-type" TV camera, is all to the good. The Philco equipment consists of 35-pound cameras and control units so designed that several cameras can be operated from a single portable master control. Pictures are clearer and sharper than was possible in the heavier, pre-war equipment, says Philco. Models of the new cameras were used at Philco's U of Pennsylvania football telecasts last autumn.

Also in the field with a portable camera-transmitter unit is Farnsworth Television & Radio Corp. which late in January told about its work in the Army-Navy guided missile project. Farnsworth stressed the rugged compactness of its equipment and indicated that it could be operated from a storage battery if power line current was not available.

Then there is Remington-Rand's Vericon, a compact, automatic pickup unit, which the company is plugging for industrial use. The Vericon is also an offshoot of the war's guided missile project.

Still tops, however, as far as low-level lighting coverage is concerned, is NBC's Image Orthicon, used so effectively in picking up interior shots from the Lincoln Memorial in the inaugural Washington - New York telecast via coaxial cable Feb. 12 (Vol. 2, No. 7).

ABC SELLS TV TO LOCKHEED: Not yet an operator of TV stations of its own -- though it has applied for them in New York, Chicago, Los Angeles, San Francisco -- American Broadcasting Co. isn't letting any grass grow under its feet in keeping up with television. Its experimental programs over DuMont's WABD have led to the sale by Paul Mowrey's ABC Television Division of 4 Thursday night (8:30-9) programs to Lockheed Aircraft Corp., starting when that station resumes operation in March and advertising the famous Lockheed Constellation plane. Mr. Mowrey was on the Pacific Coast last month, told the San Francisco ad and press clubs that if the FCC approves ABC's application it will have a TV station operating there in 18 months.

TV APPLICANTS DROP OUT: Only 2 applicants now remain for Baltimore's 3 TV channels, with this week's withdrawal of Tom Tinsley's (WITH) application and the recent dropping of Tower Realty Co's. This leaves on file applications of Hearst Radio's WBAL and Joseph M. Zamoiski Co., the latter a Philco distributor. Baltimore's TV had been designated for hearing. But with only 2 contestants left, need for hearing is obviated unless new applications are on the way. Only one from that area hinting possibility of filing later is Baltimore Sun. Also to be dropped soon is one of the Philadelphia applications involving the Philadelphia Inquirer, recently authorized to purchase WFIL and WFIL-FM (Vol. 2, No. 8). Either the TV application of WFIL or the independent application of the newspaper will be dropped since the principal is now the same. With Bamberger's (WOR) recent withdrawal this leaves 8 applications still on file for the Quaker City's 4 channels (Supplement No. 18).

An additional TV applicant is General Television Corp., Boston, now asking for a commercial TV outlet in lieu of its previous application for an experimental. This makes 6 applicants from Boston area for its 5 channels (Supplement No. 18).

ANTI-PETRILLO BILL'S STATUS: Lea Bill was getting along swimmingly this week -- wasn't buried in Labor Committee of Senate as some proponents had feared, but struck snag when Rep. Marcantonio objected to sending it to conference. Senate had appointed conferees to meet with House conferees and iron out differences between Lea and Vandenberg measures. Sen. Johnson (Colo.) heads group including Senators Myers (Pa.), White (Me.), Tunnell (Del.), Austin (Vt.). Since unanimous motion is necessary to send bill to conference, action is delayed until Tuesday when House Rules Committee meets. Rep. Lea has asked Committee to bring motion to House vote. A majority in favor there would send bill to conference.

BEST COLLECTION OF TV DATA: Best job yet done by anyone in collating under one cover the essential data on television is American Television Society's 144-page book-bound "American Television Directory" just off the presses (ATS, 271 Madison Ave., New York City, $5). Extremely well-edited, it contains definitive articles by authorities on various phases of the art; directories of ATS membership, TV advertisers, advertising agencies handling TV accounts; a chronology of TV progress; bibliography of books, articles, brochures on TV; list of sources of film footage available for TV purposes. If you are at all concerned with TV, you should not only read this book but have it handy at all times for reference.

NEW 5-GRAM PICKUP: Edward F. McClain, of Campbell-McClain, newly formed firm of Washington consulting audio engineers, 2700 Q St. SE., has developed a 5-gram tracking weight transcription pickup. Expected to go into production soon, McClain asserts new pickup will increase life of transcriptions 600%, will give frequency response of 10,000 cycles and more if necessary. KOZY, music-conscious Kansas City FM, will be among first to use it.

NEWS AND VIEWS: Still unreleased at week's end were FCC's decision on Washington's 4 TV grants and its formal opinion on its ruling against two-band FM --both held up because of Paul Porter's resignation and absence of other commissioners from city, but both now promised for next week .... RCA's annual report promises TV set deliveries by summer; claims superiority of its "ratio type detector" FM circuit, particularly for low-priced receivers; mentions "Teleran," television-radar development for air navigation; says field test stage reached in its 300 mc TV transmitter development .... "Must reading," if you are contemplating going into FM: Paul A. deMars article "Planning and Building an FM Station" in the February Journal of Frequency Modulation, new magazine published by Telecasting Publications Inc., 103 Park Ave., N.Y. .... Unity Corp. Inc., headed by Edward Lamb, Toledo attorney, which is applicant for FMs in 5 Ohio cities and in Erie, Pa. (Supplement No. 14B), last week was authorized by FCC to construct a 1 kw daytime AM on 1560 kc in Toledo.

MARTIN CODEL's

AUTHORITATIVE NEWS SERVICE OF THE VISUAL BROADCASTING AND FREQUENCY MODULATION ARTS AND INDUSTRY

Television Digest and FM Reports

PUBLISHED WEEKLY BY RADIO NEWS BUREAU, 1519 CONNECTICUT AVE. N.W., WASHINGTON 6, D.C. TELEPHONE MICHIGAN 2020 • VOL. 2, NO. 10

March 9, 1946

WASHINGTON TV DECISION: Because it is the first of its kind, a sort of bellwether of others to come, we publish as Supplement No. 31 herewith the full text of the FCC's proposed decision on TV grants in Washington. Three winners were named -- NBC (WRC), the Evening Star (WMAL), Bamberger (WOR). The fourth channel assignment must yet be decided as between DuMont and Philco. WWDC's application was turned down. Final decision will not come until oral argument is heard on DuMont-Philco and on any other exceptions counsel may take to the proposed findings. Applicants have 20 days from March 7 to file exceptions, then be heard again, and of course may appeal to the courts after final decision. WWDC says its present inclination is to take no action.

It was an unusual decision, in that it left one channel dangling. Reading between lines, is Commission's hope DuMont and Philco might agree to share the channel or set up a joint entity to use it. FCC Counsel Plotkin broached that idea to DuMont Counsel Roberts a few weeks ago, got an explosive "No" answer. But now that the proposed decision is out, there may be a change of heart.

If you are concerned with TV applications, we recommend a close reading of this document to glean Commission's trend of thought. On its reasoning, it granted Channel No. 7 to the Star because it was deemed the most qualified local interest; No. 4 to NBC because of its network plans; No. 9 to Bamberger because it does not now own a TV station. No. 5 is the channel which either DuMont or Philco, or both, will get. So now it looks as though the nation's capital will have regular TV service before the year is out: NBC has most of its equipment available, last week secured its Wardman Park site approval; Bamberger also has had its Cathedral Heights site approved. The wealthy Star is ready to pour money into TV. And whether or not DuMont gets a commercial license, it is already on air with its experimental W3XWT.

TWO VACANCIES ON FCC: Vermont's Ex-Gov. William H. Wills' death last Wednesday in Brockton, Mass., at the age of 63 and after only 8 months' service as an FCC commissioner, will open the floodgates of speculation as to the new makeup of the Commission. There are now two vacancies, one Republican and one Democratic, and it is hard to believe either or both won't be filled soon by President Truman. But your guess on the many candidates who will be offered is as good as ours; indeed, your influence in the matter of suggesting candidates to the White House is every bit as great as that of Washington's amateur politicians. Former Chairman Porter can be counted upon to use his influence to keep Denny in as acting chairman, at least until it becomes certain he himself won't come back.

FIRST HEARING ON FM: Eleventh hour withdrawals leave only 12 applicants to contend for Washington's 11 FM channels on eve of FCC's first consolidated hearing, with Asst. General Counsel Ben Cottone presiding, in Dept. of Commerce auditorium March 11. Dropping out were Eleanor Patterson (Times-Herald), Crosley Corp., FM Development Foundation (Armstrong, Jansky). Speaking for latter, Dr. Armstrong gave as reason: "When the FCC revises its rules so that we can build a real FM

station, we'll do that. Until then, we don't want to put up a peanut whistle." Crosley says it will stick to Ohio. For other applicants, see Supplements 14A-14G.

At pre-hearing conference Thursday, counsel for the 12 agreed to submit program data in accordance with FCC report on "Public Service Responsibility of Broadcast Licensees" (see story in this issue). They also agreed to submit Monday all program formats and staff organizations so that applicants heard first won't be at disadvantage as against those heard later. Application for an FM in Washington's suburban Silver Spring, Md., was filed this week by Tri-Suburban Broadcasting Co., headed by John W. Kluge, paper products dealer, but it does not become party to hearing since it asks only for a Community Station.

FINALE ON TWO-BAND FM? What may be the last broadside fired by proponents of 2-band FM (unless Congressional pressure is brought to bear, which looks unlikely at this moment) went off this week when Comdr. E. F. McDonald Jr. of Zenith and Maj. Edwin H. Armstrong vigorously dissented from the FCC's opinion, issued this week, on its decision turning down the Zenith-GE petition to widen the FM band.

Said McDonald: "Commission itself requested Zenith to file petition.... Commission ignores first actual field tests of FM on 50 and 100 mc....Commission ignores advice of 7 distinguished scientists (Dellinger, Stetson, Burrows, Beverage, Pickard, Bailey, Armstrong) and accepts theories of its own employe (Norton).... Commission has strengthened the relative monopoly that now exists in broadcasting ....It is universally conceded that the farmer and the rural resident will not get television. This decision means that they will not get FM either."

Said Armstrong: "Commission report virtually admits that its engineering department has made one of the colossal mistakes of radio history....In addition to the refusal of Commission engineers to face the implications of the tests, the report is full of technical mistakes....It is now in order to challenge responsible members of the FCC engineering department to appear at the Broadcast Engineering Conference (at Columbus, O., March 23) to substantiate their findings....Only way facts can be suppressed is by shutting down present 40 mc band before comparative performance of 2 bands can be observed in actual practice by engineers and public."

FCC conclusions were predicated on: (1) Sporadic E interference in 50 mc band; none in 100 mc band; (2) F2 interference in low band; does not affect service in high band; (3) Low-band coverage is not substantially greater than coverage in high-band; (4) Low band shows no substantial advantage over upper band with respect to coverage within expected service areas of FM broadcast stations; (5) Service to farmers living at great distances from cities must continue to come from AM.

FCC REPORT ON PROGRAMMING: While our Standard Broadcasting brethren writhe at the roasting they take in the 139-page FCC report on "Public Service Responsibility of Broadcast Licensees," issued this week, it behooves FMers as well to look sharp. There's plenty of meat in the report, available from the Commission, applicable to new as well as old radio services. Nor can it be blinked away as merely another "left wing" attack on broadcasting, for it bears the unanimous imprimatur of the commissioners including ex-Chairman Porter. NAB President Miller commented: "The report overlooks, completely, freedom of speech....reveals a lack of faith in the American system of free radio....indicates a reversion to that type of government control and regulation from which our forefathers struggled to escape."

It's being sent to all licensees, but if you haven't received one you should by all means see that you do, and read it carefully. Major item in the report is the new breakdown of program structure required to be filed with applications for new stations as well as for license renewals. It also compares promises and performance, discusses "specialized" stations and goes into length of commercials in chapter on advertising excesses. The commissioners hold they have legal authority to take program structure into consideration but disclaim any intention of dictating program content.

Television Digest and FM Reports

TV-FM BUILDING • 1519 CONNECTICUT AVE. N.W. • WASHINGTON 6, D. C. • TELEPHONE MICHIGAN 2020

Supplement 30B
March 9, 1946

Current

CONDITIONAL GRANTS TO APPLICANTS FOR NEW FM STATIONS

Grants issued since our last Cumulative Log (Supplement No. 30)
And Addenda (Supplement 30A)

Cumulative Logs are issued periodically; meanwhile, add these to Supplements No. 30 and 30A, and destroy this release when new Cumulative log is issued

Full Data on These Applicants Can Be Found in Supplements 14A to 14G Inclusive

Dagger (†) indicates Metropolitan station. Double dagger (‡) Metropolitan, possibly Rural. Asterisk (*) Community Station.

FCC Grants March 8, 1946

City	Applicant	AM Affiliate
Eureka, California	†Redwood Broadcasting Co., Inc. (Eureka Humboldt Standard and Times)	KIEM
San Francisco, California	†American Broadcasting Company, Inc.	KGO
Jacksonville, Florida	†The Metropolis Company 1/ (Jacksonville Journal)	WJHP
Winona, Minnesota	‡Winona Radio Service (Winona Republican-Herald)	KWNO
Kansas City, Missouri	†KCMO Broadcasting Company	KCMO
New Castle, Pennsylvania	†WKST, Inc.	WKST
Washington, Pennsylvania	†Observer Publishing Company (Washington Observer and Reporter)	

1/ Commissioner Durr voted for Hearing

Cumulative log of conditional FM grants (Supplement No. 30) should be corrected to make the grant to Hagerstown Broadcasting Company, Hagerstown, Maryland., Metropolitan, possibly Rural, instead of Metropolitan as reported originally in FCC release.

Television Digest and FM Reports

Supplement No. 31
March 9, 1946

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Full Text of

Proposed Decision on Washington Television Hearing

Adopted by the FCC, March 7, 1946

PROPOSED DECISION

Preliminary Statement

THIS PROCEEDING involves the allocation of the four available commercial television channels in Washington, D. C. Six applicants have applied for these four channels. They are Bamberger Broadcasting Service, Inc., Capital Broadcasting Company, Allen B. DuMont Laboratories, Inc., The Evening Star Broadcasting Company, National Broadcasting Company, Inc., and Philco Products, Inc. Hearings were held on their applications on January 21, 22, and 23, 1946. All of the parties have waived their right to file proposed findings of fact and conclusions of law.

Application of Bamberger Broadcasting Service, Inc.—Docket No. 7014

1. Bamberger Broadcasting Service, Inc., of New York, N. Y., is a wholly-owned subsidiary of L. Bamberger & Company, a retail department store in Newark, N. J., which, in turn, is wholly owned by R. H. Macy and Co., Inc., a retail department store in New York City. The consolidated balance sheet of R. H. Macy and its subsidiaries as of July 28, 1945 indicates its total stock and surplus to be worth $62,348,200.06. The combined balance sheet of the applicant shows a total capital and surplus on December 29, 1945 of $1,184,573.37. Bamberger Broadcasting Service owns a 50 kw. AM station, WOR, and an FM station, WBAM, both in New York City. It is affiliated with the Mutual Broadcasting network and owns about 20% of its stock. Mr. McCosker, chairman of the applicant's Board of Directors, is also chairman of the Mutual Board. Bamberger Broadcasting Service has an application pending before this Commission for a television station in New York City and for one in Philadelphia but at the hearing it stated that it intends to withdraw the Philadelphia application.

2. The applicant proposes to make Washington programs of national interest available to Mutual affiliates with television stations and possibly to the Yankee Network; these arrangements, however, are only in the discussion stage. Mutual at present has an AM affiliate in Washington, WOL, which has not made an application for a commercial television station.

3. The applicant has purchased land located at Brandywine and 40th Streets, N.W., Washington, D. C., at a cost of $43,000. While plans for the transmitter and tower which are to be located there have been drawn, no site has been chosen for studio facilities, which are intended to be located in downtown Washington. The 5000 microvolt contour, assuming a radiated power of 30.25 kilowatts, will embrace 975 square miles with a population of 907,776. Within the 500 microvolt contour, there will be included 4,350 square miles with a net coverage of 1,145,079 people. These calculations are made for Channel 5, 76-82 megacycles, which has been requested by the applicant.[1] The total estimated cost of the proposed equipment, construction and installation is $503,400, the cost of the transmitting plant being estimated at $238,400, studio and offices at $205,000 and field equipment at $60,000.

[1] Unless otherwise indicated, the coverage figures used in these findings are those given by the applicants at the hearing, and all have been made substantially in accordance with the methods prescribed by the Commission's Standards of Good Engineering Practice. These figures may, therefore, be used for comparative purposes and there is no necessity at this time for the Commission to find whether or not the applicants will, in fact, serve the actual number of persons or areas claimed by them.

4. The estimated cost of operation for the first year on a 28-hour schedule of programming is $547,308 of which technical expense will amount to $174,320 and program expense $312,860. For the second year, a minimum rise of 10% in cost of operation is expected. No projected income from the sale of time has been estimated. No special refinancing is expected to be made in connection with the proposed station; expenses in the pre-profit period will be borne by both the applicant and Macy.

5. Although the applicant has been operating WOR since 1922 and WBAM since 1940, neither it nor any of its affiliates has ever owned or controlled the operation of a television station. However, since 1943, employees of the applicant have had experience in the operation of television studio and console equipment in connection with the production of television programs over WABD—the DuMont station in New York City—and WRGB—the General Electric station in Schenectady. Over 50 hours of live programs were produced by these employees who have become familiar with all phases of television operation except the television transmitter. Key employees will supervise the operation of the Washington station and at the same time will continue their work in New York. It is proposed that a local resident, as yet not engaged, will manage the station and a full time program executive will be employed for Washington. Twenty-six of 32 people planned to be employed in the engineering department of the Washington station have been named.

6. A program organization of 29 persons is planned and a minimum 28-hour weekly schedule of programs is proposed. Some of the programs have already been televised by employees of applicant and other programs will include local and public events. Programs will be relayed from New York City by coaxial cable when such facilities are available.

Application of Capital Broadcasting Company—Docket No. 7015

1. The Capital Broadcasting Company is a family corporation. Ninety-five percent of its stock is owned by Joseph Katz, its president. Ben Strouse, his son-in-law, is vice president-general manager and owns 2½% of its stock. Charles Harrison is secretary and owns 2½% of its stock. Kate Katz, wife, and Ruth Strouse, daughter, of Joseph Katz, are treasurer and assistant treasurer, respectively. These persons are all residents of Baltimore, Maryland. Mr. Katz, his wife and daughter own 94.12% of the Joseph Katz Co., an advertising agency in Baltimore, Maryland, and New York, N. Y., Mr. Katz himself owning 51.47% of the stock. Ben Strouse has a 26⅔% interest in a retail music store in Baltimore, Maryland. The net worth of the Joseph Katz Company as of October 31, 1945, was $364,202.86 and the total capital stock and surplus of the applicant as of November 30, 1945, was $83,748.82. During the last seven or eight years, the Joseph Katz Company has had a net income before taxes of $100,000 to $125,000 per year.

2. Capital Broadcasting Company is the licensee of station WWDC, in Washington, D. C., and has an application pending for change in frequency and increase in power to 50 kw. It also has applied for an FM station for Washington, D. C. In addition, Joseph Katz and Ben Strouse each have a 25% interest in WHOW, Inc., which has applied for an AM station in Baltimore, Maryland, and which proposes to file an FM application for the same city.

3. The applicant has an option for a site one mile north of Silver Spring, Montgomery County, Maryland, at which it intends to locate both its present AM transmitter and its proposed television transmitter. No evidence was offered concerning the location of studio facilities. The 5000 microvolt contour, assuming a radiated power output of 12.2 kilowatts, will embrace 744 square miles with a population of 926,667. Within the 500 microvolt contour there will be included 3,880 square miles with a net coverage of 1,185,358 people. These calculations are made for Channel 4, 66-72 megacycles, which has been requested by the applicant.

4. The estimated construction costs of the applicant are $276,810, which includes transmitting, film, studio, master control and pickup equipment. Estimated television operating costs for the three years 1947, 1948 and 1949 are $675,900. These funds are proposed to be made available to applicant in the following manner:

An initial loan in 1946 from Joseph Katz Co.	$ 170,000
Another loan in 1947 from Joseph Katz Co.	150,000
Etimated profit WWDC after taxes 1946	48,000
Estimated profit WWDC before television expense 1947, 1948, 1949	240,000
Estimated revenue from television 1947	75,000
Estimated revenue from television 1948	150,000
Estimated revenue from television 1949	200,000
Total	$1,033,000

This total is about 10% larger than the total estimated expenses of $952,710 during the same period. To make up any additional and unexpected television deficits, Mr. Joseph Katz has further pledged another $300,000. Arrangements have been made for a credit purchase of necessary apparatus.

5. With respect to the $80,000 in annual profits before taxes which WWDC expects to make, it should be pointed out that in no year has WWDC succeeded in making such profits. At the hearing applicant justified this estimate on the intention of the Joseph Katz Co. to forego the payment of agency fees from WWDC in connection with sale of time; Mr. Katz to waive his whole salary from WWDC; Mr. Strouse to take a reduction in salary of $10,000; and in a saving of $8,000 by reductions in promotional expenses. Applicant's estimate of profits is based further on the opinion of applicant's officers that the advertising revenues of WWDC in post-war years will remain the same or grow larger even if the Commission licenses as many as twelve FM stations to serve Washington. At present, 70-75% of WWDC's programs are already commercial.

6. Applicant's estimate of revenue from television operations for 1947 is based upon a rate of $100 an hour for 14 hours a week. Applicant's estimate of revenue from television during the first three years of operation is based upon conversation with advertisers and a prediction of one officer that 20,000 and of another that 100,000 television receivers would be in use in Washington by 1948. Television program costs will be low through the extra effort of applicant's employees.

7. While the applicant has several years experience in AM broadcasting, it has never owned or controlled the operation of a television station. Its proposed staff includes Ben Strouse as general manager of all applicant's activities, Ira Walsh as television manager, and Don Beville as technical director. E. Arthur Hungerford, Jr., will be employed four days each month as television adviser. Mr. Walsh, who will also be in charge of programming, has had some experience in the production of television programs from 1938 until 1941. Mr. Beville has not had any experience in the operation of a television station, but he stated that he has become familiar with the literature in the field. It is proposed to employ a technical staff of 22 people in connection with television activities. This staff will be trained under the supervision of Mr. Walsh and Mr. Beville at the Capital Radio Engineering Institute with the applicant paying for one-half the cost of course of study.

8. A program organization of 18 persons is planned under the direction of Mr. Walsh and a weekly schedule of 28 hours of programs is proposed. Many shows now produced over WWDC will be adapted to television broadcasting and the program will include local and public events. No plans have been made for the televizing of programs originating from outside of Washington.

Application of Allen B. DuMont Laboratories, Inc.—Docket No. 7016

1. The stock of Allen B. DuMont Laboratories, Inc., Passaic, New Jersey, is divided into two groups, Class A and Class B. There are 1,046,040 shares of Class A stock issued, which is held by about 8,000 stockholders, of whom only five persons own more than 1% of the total. Allen B. DuMont owns 92,050 Class A shares, and Paramount Pictures, Inc., owns 43,200 Class A shares beneficially but not of record. All of the 560,000 shares of Class B stock is owned by Paramount. Class A stock elects four of seven directors and also the president and vice president. Allen B. DuMont is president and Leonard F. Cramer is vice president. Class B stock elects three directors and also the secretary and treasurer. The secretary is Bernard Goodwin and the treasurer is Paul Raibourn.

2. A condensed balance sheet of the applicant as of December 2, 1945, shows the value of its capital stock and surplus as $2,814,647 with current assets of $3,455,265 and current liabilities of $1,160,303. DuMont manufactures radio appliances including television receivers. It is the licensee of commercial television station WABD in New York City and has applied for commercial television stations in Cleveland, Cincinnati, and Pittsburgh, all of which would be connected with the Washington and New York stations into a network.

3. Applicant at the present time operates experimental television station W3XWT in Washington on Channel No. 5, 76-82 megacycles. This station is located at the Harrington Hotel in downtown Washington. This same site under lease for four more years is to be used for its proposed commercial television station and plans have been made for the construction of transmission and studio facilities at that place. The antenna is to be placed on a tower already built on the premises and will be 250 feet above sea level. Assuming an effective radiated power 6.15 kilowatts, the 5000 microvolt contour will embrace 125 square miles with a population of 737,000. There will be included within the 500 microvolt contour 512 square miles with a coverage of 847,000 people. These calculations have been made for Channel 5, 76-82 megacycles, which has been requested by the applicant.[2] At the hearing applicant stated that a higher antenna with resulting wider coverage would ultimately be desirable, but that in the early stages it felt it was expedient to keep the transmitter near the conveniently located studio for purposes of experiments on the transmitter. Further during this period the lower height would make the antenna more easily accessible than in the case of a higher antenna. Appellant also stated that the choice of antenna site was based on the strong signal it will give in downtown Washington, the large expense that has gone into the construction of present facilities there and the fact that operation could begin sooner than if a new location was chosen. The applicant estimates coverage effectiveness to be very large so far as the marketing and buying power of metropolitan Washington is concerned. In the future, if it believes the need exists, a change will be made. At present it feels the coverage is adequate.

4. Applicant has had extensive experience in the technical and production aspects of television. It will have available many trained persons to operate the proposed Washington station. It has made plans for the use of only 31 persons in the operation of its station because of the experience of the personnel and the fact that many of its network programs will originate in New York.

5. A capital investment of approximately $115,000 has been made in the Washington experimental station. The estimated capital investment required for the commercial station is $396,355, including studio, transmission and pickup equipment. The operating costs the first year are estimated at $396,052, the second year $321,907.72. The income from television operations for the first year is estimated to be $224,465 and $614,732.30 for the second year. Both estimates are based on network operation. The applicant estimates that 33,000 receivers will be in Washington by the end of 1948 and that until 15,000 are in use, the station will have an operating deficit. The proposed advertising rate would be $180 per half hour the first year and $297 for the second year based on the estimated number of receivers in use.

[2] Applicant did not submit figures as to coverage at the hearing. The figures used in this finding are those contained in the application.

6. Applicant has made plans for a minimum weekly program schedule of 28 hours which will make use of its experimental facilities and past experience in both production and transmission. The program will include local and public events. In the first year of operation an average of 13½ hours of commercial shows and 14 hours of sustaining shows are planned. Use will be made of the coaxial cable or relays for its network and the station will televise shows originating from outside of Washington.

Application of The Evening Star Broadcasting Company—Docket No. 7017

1. The Evening Star Broadcasting Company of Washington, D. C., is a wholly-owned subsidiary of the Evening Star Newspaper Company of Washington, D. C. Samuel Kauffman, president of the applicant company, is treasurer of the newspaper company. The editor of the paper is Theodore W. Noyes, the president, Frank B. Noyes, and the secretary, R. M. Kauffman. B. M. McKelway, a director of the paper, is vice president of applicant and W. R. Little, comptroller of the paper, is secretary-treasurer. All but 2½% of the paper's stock owned by Mr. McKelway is held by descendants of its founders. All the officers and directors of both the paper and the applicant have been Washington residents for many years, some all their lives. As of December 13, 1945, the balance sheet of the Evening Star indicated its capital stock and surplus to be $5,642,511.57. The capital and surplus of the applicant as of December 31, 1945, was $316,032.74. The applicant is the licensee of station WMAL in Washington, which is an affiliate of the American Broadcasting Company network. It is proposed to affiliate the television station with some network but no commitments have been made in this regard.

2. The applicant has an option for the lease of a site at the campus of American University located at Massachusetts and Nebraska Avenues, N.W., Washington, D. C., on which it would build a transmitter, station and tower for television and FM. By agreement the applicant's facilities will be made available to the university for instructional purposes. The university will be allowed to broadcast without cost programs in furtherance of its educational program. A studio would be built on the campus in a building costing between $50,000 to $60,000, while the cost of the other technical improvements on the university campus is estimated at $180,000 to $190,000. Applicant has purchased a site at the corner of 12th and K Streets, N.W., Washington, D. C., on which it intends to erect a million dollar office building to house its present AM operations and any television and FM operations it may have. Studios here would cost $100,000. The 5000 microvolt contour, assuming a radiated power of 14.25 kilowatts, will embrace over 816 square miles with a population of 891,421. There will be included within the 500 microvolt contour, 3,930 square miles with a net coverage of 1,082,936 people. These calculations are based on the use of Channel 4, 66-72 megacycles, which was requested by the applicant.

3. The paper has authorized the purchase of all or any part of an issue of bonds by the applicant in a total amount not to exceed $800,000, when and as the same may be offered by the broadcasting company. No public offering of these debentures is contemplated. Further unsecured loans from the paper to the applicant are also authorized. To finance the cost of its new million dollar building, a mortgage already over subscribed will be taken from local Washington banks in the amount of about $700,000 to $750,000. The estimated cost of the first year's operations are from $300,000 to $500,000. No estimates of future revenue have been made.

4. Applicant has never owned or controlled the operation of a television station. It plans to use its present AM staff, supplementing it with whatever personnel is necessary. If the television operations are separate it estimates it would need 42 people in the program department and 30 engineers. The cost of the additional personnel is estimated at $216,000 a year. No television programming plans have been made on the grounds that the applicant prefers in the beginning to experiment with all types of programs and techniques. Its general manager has had radio experience in Washington for the last 23 years and it is proposed to have a balanced program with proper emphasis on local and public events. For some time all programs will be sustaining and originate only in Washington.

Application of National Broadcasting Company—Docket No. 7019

1. The National Broadcasting Company, Inc., is a wholly-owned subsidiary of Radio Corporation of America. NBC owns and operates six stations engaged in AM broadcasting—including WRC, Washington, D. C.—an FM station in New York, and one television station, WNBT, New York. In addition, NBC operates a number of shortwave broadcasting stations and a network of about 155 affiliated AM stations. A consolidated balance sheet of RCA and its domestic subsidiaries as of November 30, 1945, indicates its capital stock and surplus to be worth $93,951,258. A preliminary balance sheet at December 31, 1945, shows the capital stock and surplus of the applicant as $8,614,960.60. NBC has plans for a national television network of independently owned affiliated stations. Applications have been filed for television stations in Cleveland, Chicago and Los Angeles, as well as the instant application. Applications have been filed for FM stations in Washington, D. C., Cleveland, Chicago, Denver and San Francisco.

2. In December, 1941, National Broadcasting Company received a construction permit for a commercial television station that was to be located at the Wardman Park Hotel in Washington, D. C., the site of its experimental station, whose license lapsed in June, 1942. The construction permit for the commercial station was surrendered because the war made it impossible to complete the station. The presently proposed station is to be located at this same site, the Wardman Park Hotel, on which the applicant has an option on space for a transmitter, studio and antenna. Plans have been made and the proposed cost of the transmitter is $117,000, audio-video facilities, $106,000, live talent theater, $91,700, and field equipment, $60,000. Architectural costs are to be $140,000. Additional studio space will be used in applicant's premises on 14th Street and New York Avenue, N.W., Washington, D. C. The 5000 microvolt contour, assuming a radiated power of 13.3 kilowatts, will embrace 575 square miles with a population of 850,000. There will be included within the 500 microvolt contour 3,370 square miles with a net coverage of 1,153,000 people. These calculations have been made for Channel 4, 66-72 megacycles, which has been requested by the applicant.

3. Applicant has had extensive experience in the technical and production aspects of television. It will have available many trained persons to operate the proposed Washington station. A detailed plan for a large staff has been completed and many experienced persons who will occupy supervisory positions have already been named. Applicant's general manager in Washington has had many years of radio experience in Washington.

4. Applicant has made available the total sum of $520,000 for the installation of its Washington television station. Its estimated operating expenses for a 28-hour a week program of network operation is $61,000 per month; for 67 hours a week, $113,438 per month. Its estimated revenue, based on 28 hours of operation per week, is $25,972 for the first year. Deficits will be made up from regular operating funds and surpluses of NBC.

5. Applicant has made plans for a minimum 28-hour weekly program which will make use of its experimental facilities and past experience in both production and transmission. The program will include local and public events. Use will be made of the coaxial cable for its network to televise programs originating from outside of Washington.

Application of Philco Products, Inc.—Docket No. 7021

1. Philco Products, Inc., a wholly-owned subsidiary of the Philco Corporation, manufacturer of radio and other electrical appliances, including television receivers. Philco Products is the national distributor of the parent manufacturing corporation and has a special division to handle broadcasting operations. The balance sheet of Philco Corporation at December 31, 1944, showed a total capital stock and surplus of $16,696,595 while that of Philco Products showed a capital stock and surplus of $9,671,711, which should be added to the undetermined 1945 profit to show its present financial status. With few exceptions, the officers of the two corporations are the same and the directors of both are exactly the same. Twelve persons or firms own more than 1% of the total stock, 1,372,143 shares, of which the largest holder is Cross and Co. with 1.98%. Applicant owns and operates a commercial television station WPTZ

in Philadelphia. Except for the latter and the proposed Washington station, it does not intend to own or operate any other commercial television stations. It has at present an experimental television station in Philadelphia, 18 experimental television relay broadcast licenses and special temporary authorizations for a test transmitter and two point-to-point communication systems. It will connect the Philadelphia and Washington stations either by its own relay system in which it has already invested $150,000 or by coaxial cable.

2. Applicant has purchased a site in Arlington County, Virginia, upon which it proposes to erect at a cost of $167,000 a building to house its television station, including transmission and some of its studio facilities. Its antenna will be located on a tower already erected on the site. In addition to these facilities a studio in downtown Washington will be obtained. The total cost, including building, transmission and studio facilities and pickup equipment for the proposed station is estimated at $528,423. The 5000 microvolt contour, assuming a radiated power of 3.34 kilowatts, will embrace 350 square miles with a population of 847,000. Within the 500 microvolt contour there will be included 2,640 square miles with a net coverage of 1,002,000 people. These calculations have been made for Channel 4, 66-72 megacycles, which has been requested by the applicant.[3]

3. Applicant has had extensive experience in the technical and production aspects of television. It will have available many trained persons to operate the proposed Washington station. It has made plans for a technical and production staff of 190 people at maximum operation. In the beginning a somewhat smaller staff of about 135 is expected to be adequate for satisfactory service. A local resident, as yet unengaged, will be employed as general manager.

4. Philco Corporation will furnish such sums as will be necessary to construct and operate applicant's proposed station. Its monthly cost of operation is estimated at $61,500 per month or about $750,000 a year. No estimate has been made of revenue from operation of the station but a maximum ceiling of 60% has been set on commercial programs.

5. Applicant has made plans for a weekly program of 37¾ hours at full-fledged operation and will make use of its experimental facilities and past experience in both production and transmission. The program will include both local and public events. Programs originating in Philadelphia will be presented in Washington.

CONCLUSIONS OF LAW

1. The Commission has consistently held that where the number of applicants exceeds the facilities available, in choosing among the applicants preference will be given, other factors being substantially equal, to local interests. In the Commission's opinion, maximum opportunity for local expression and development of community activity is afforded by licensing local persons who are qualified rather than persons from other cities. In this case, the Evening Star Broadcasting Company is the only local interest. The Capital Broadcasting Company is the licensee of a local station but all of its stockholders reside in Baltimore, and aside from their interests in WWDC have their business interests outside of Washington. As to the Evening Star Broadcasting Company, it has selected a transmitter site which will render service to the entire metropolitan area of Washington and has made extensive plans for downtown studios. It is well equipped financially to undertake the construction and operation of a television station. Although it has had no experience in the operation of a television station, it has had extensive experience in the operation of an AM station in Washington. The Commission concludes that the Evening Star Broadcasting Company is qualified to operate a television station. The Commission also concludes that since the Evening Star Broadcasting Company is composed of local people, public interest, convenience, or necessity would be served by the issuance of a construction permit to it.

2. The remaining five applicants fall into two groups. In the first group is Bamberger Broadcasting Service and Capital Broadcasting Company—which are not the licencees of any commercial television stations—and in the second group are National Broadcasting Company, Allen B. DuMont Laboratories, Inc., and Philco Products, each of which is the licensee of one commercial television station. The Commission is of the opinion that where there is a choice between two applicants, one of whom has a television station and another which does not, public interest is better served by granting a license to the newcomer, other factors being substantially equal, rather than to the person already having a television station. Under this policy, it is possible for the maximum number of qualified people to participate in television and not have it restricted to a few large interests.

3. Considering the application of Bamberger Broadcasting Service it appears that it has selected a transmitter site which will render service to the entire metropolitan area of Washington. It is well equipped financially to undertake the construction and operation of a television station. Although it is not, and has not been, the licensee of a television station, its personnel have acquired experience in television operations through presentation of television programs over WABD and WRGB. The Commission concludes that the Bamberger Broadcasting Service is qualified to operate a television station. The Commission also concludes that since the Bamberger Broadcasting Service has no other television station, public interest, convenience or necessity would be served by the issuance of a construction permit to it.

4. As to the Capital Broadcasting Company, it appears that it has selected a transmitter site which will render service to the entire metropolitan area of Washington. While its proposed television manager has had some experience in television operations, the organization as a whole seems to have very little experience in the operation of a television broadcast station in Washington. It has had experience in the operation of an AM station in Washington. A serious question arises in the case of the financial qualifications of Capital Broadcasting Co. On the basis of its present balance sheet, Capital Broadcasting Co. concededly is not financially qualified to operate a television station, and although it proposes to sell time on its television station at an early date, admittedly this will not be enough to support the operation of the station. In order to meet this deficiency, the principal stockholder has proposed to make extensive loans to the station, to forego agency commissions for the sale of time on WWDC, and to waive any salary from the station. In addition, the manager of the station has proposed, if necessary, to take a salary reduction of $10,000 a year. Economies in the operation of the station are also proposed. Even this will not produce sufficient revenue unless WWDC is capable of making $80,000 a year before taxes. Applicant has stated that it believes it can make such a profit despite the fact that it has never made any such profits even during the war years, when it has sold as much as 70 to 75% of its time. The Commission is of the opinion that on the basis of the foregoing facts, serious question is raised concerning the financial qualifications of Capital Broadcasting Co. to construct and operate a commercial television station at this time. The ability of Capital Broadcasting Co. to construct and successfully operate a television station depends too much upon the ability of Station WWDC to earn money at a higher rate than it has ever earned before. The Commission is of the opinion that with the repeal of the excess profits tax, with the greater availability of facilities in advertising media competitive with radio, and with the expectation that in the near future the Commission will license as many as 12 FM stations in Washington, it is extremely doubtful that WWDC can maintain such a high earning rate without unduly degrading its program service. In addition, the successful operation of a television station by Capital Broadcasting Company is dependent to a great extent upon the applicant's ability successfully to sell time on its television station at an early date and on its ability to maintain its operating expenses at a point substantially lower than that suggested by any of the other applicants. The Commission is of the opinion that it is much too early at this stage to predict with any accuracy what the operating revenues of television stations are going to be or what television expenses are likely to be. The Commission is not convinced by the showing made by Capital Broadcasting Company that it will be in a position not only to construct its television station but to operate it for several years in the event that television should not get started as quickly as the applicant thinks it will, or in the event that it should not be possible to operate WWDC as profitably as applicant predicts. In view of these facts and in view of the fact that there are other applicants who are well qualified to construct and operate a television station in Washington at this time, the Commission does not believe that public interest, convenience, or necessity

[3] The population estimate contained in this finding is based upon the 1940 census. Applicant utilized figures based upon estimated population for the District of Columbia as of July 1, 1944.

would be served by the issuance of a construction permit to Capital Broadcasting Company.

5. That leaves the choice for the two remaining television channels between National Broadcasting Company, Allen B. DuMont Laboratories, Inc. and Philco Products Inc. The first two each own a commercial television station in New York City, and Philco is the licensee of a commercial television station in Philadelphia. All three applicants have extensive experience in television and all three would be qualified to construct and operate a television station in Washington. On the basis of the site chosen National Broadcasting Company and Philco Products, Inc. would render service to a substantially greater area and population than Allen B. DuMont Laboratories, Inc. As a matter of fact the coverage proposed by the DuMont station, amounting to 98.5% of the population in the metropolitan area of the District of Columbia, is smaller than that of any other application involved in this proceeding.

6. The importance of Washington as an origination center of programs for a television network was stressed at the hearing. Since Washington is the nation's capital, there are many important events occurring here which are of great interest to audiences throughout the United States. The Commission is of the opinion that the effective operation of a nation-wide television network will be greatly aided by network ownership of a television station in Washington. It should be noted that this finding is limited to television only where much development and experimental work remains to be done. Nothing herein said is to be construed as a finding concerning network ownership of AM or FM stations. National Broadcasting Company has proposed a television nation-wide network and has had extensive experience in the operation of a nation-wide AM network. Philco proposes to conduct an experimental relay service between Philadelphia and Washington but has no plans for a nation-wide network. DuMont has no plans for a nation-wide network but expects to connect its New York station into a network with television stations in Washington, Pittsburgh, Cleveland and Cincinnati, if these applications are granted. The National Broadcasting Company application for a television station in Washington should, therefore, be preferred over that of Philco and DuMont. So far as Philco is concerned the ownership of a television station in Washington is not asociated with the operation of a network, except possibly to connect its Washington and Philadelphia stations. So far as DuMont is concerned, while it does have plans for a network, it is only of a very limited sort and is to be composed of apparently only five DuMont stations and not of many independently affiliated stations as in the case of National Broadcasting Company. Moreover, as has already been pointed out, the site proposed in the DuMont application is substantially inferior to that proposed by National Broadcasting Company. Accordingly, a construction permit should issue to National Broadcasting Company.

7. This leaves the choice for the final channel between DuMont and Philco, both of which are qualified to construct and operate a television station in Washington. In favor of DuMont is the fact that a Washington outlet would be of assistance in connection with the network operation which DuMont proposes. In favor of Philco is the fact that the site it proposes is superior to that proposed by DuMont. Also, the ownership of a station in Washington would be helpful in connection with the experimentation being conducted by Philco in relaying programs between Washington and Philadelphia. The Commission is unable at this time to make a choice between Philco and DuMont and accordingly defers a decision on this point until after the conclusion of oral argument on this proposed decision in which Philco and DuMont may present their views.

8. The Commission is not unmindful of the fact that a grant of the DuMont application would make possible the establishment of a commercial television service in Washington at an earlier date than is otherwise possible because DuMont is already operating an experimental station in Washington. The Commission believes that this factor should not be controlling for two reasons. In the first place, the Commission has consistently declared that the issuance of an authorization for an experimental station is for experimental purposes only, and may not be used by the applicant as an entering wedge for securing a license for a commercial station. Therefore, the application of Allen B. DuMont Laboratories, Inc. must be considered on the same basis as the other applications—as though it were not the licensee of an experimental station. In the second place, the establishment of television in Washington at an early date should be possible because National Broadcasting Company has all the equipment necessary for the installation of a television station.

9. There remains for consideration the question of what channels should be assigned to the successful applicants. From the evidence at the hearing it appeared that equipment for Channels No. 4 and 5 will be available at an earlier date than for Channels No. 7 and 9. National Broadcasting Company has requested Channel No. 4 and has stated that it has on hand the equipment for that channel and that this equipment cannot readily be used on any other channel. In the interest of the early establishment of television in Washington, Channel No. 4 should be granted to National Broadcasting Company. So far as Channel No. 5 is concerned DuMont has applied for this channel and could start operation at an early date if its application were granted. Philco Products, Inc. has applied for Channel No. 4. However it does not have the equipment for this channel on hand and although it states that it has such equipment on order, it should be possible to convert this equipment for operation on Channel No. 5 as readily as on Channel No. 4. Moreover, Philco Products has its tower already constructed and if its application were granted it could proceed expeditiously with the construction of a station. Since neither Bamberger Broadcasting Service, Inc. nor the Evening Star Broadcasting Company—the other two successful applicants—have any equipment on order or towers constructed, the Commission is of the opinion that the early establishment of television in Washington will be advanced if Channel No. 5 is reserved for assignment to either DuMont or Philco, whichever is the successful applicant. This leaves Channels No. 7 and 9. There appears to be no substantial difference between these two frequencies. Channel No. 7 will be granted to the Evening Star Broadcasting Company and Channel No. 9 will be granted to Bamberger Broadcasting Service.

10. All construction permits to be issued will be expressly conditioned upon a showing that the transmitter site chosen complies with the Rules and Regulations of the Civil Aeronautics Administration.

Appearances

Frank Scott and Charles H. Singer, on behalf of Bamberger Broadcasting Service, Inc.; W. Theodore Pierson and Ralph L. Walker, on behalf of Capital Broadcasting Company; William A. Roberts, on behalf of Allen B. DuMont Laboratories, Inc.; D. M. Patrick and Karl A. Smith, on behalf of the Evening Star Broadcasting Company; John T. Cahill, Charles F. Detmar, Jr., and Gustav Margraf, on behalf of National Broadcasting Company; Louis G. Caldwell, on behalf of the Philco Products, Inc.; Harry M. Plotkin, on behalf of the Federal Communications Commission.

FM STIRRINGS: First conditional FM grant to a network came this week with approval of ABC's application for San Francisco. There were only 7 more conditionals in Friday's release (Supplement No. 30B), bringing to 352 the total to date. Only significant item was Commissioner Durr's vote to hold hearing on John Perry (Metropolis) grant in Jacksonville, but he was overridden.

Other FM stirrings: Publisher Jack Knight's purchase of 42% interest in WIND, Chicago, which presumably means he will drop his separate Chicago Daily News application for Chicago; NBC's withdrawal of its application for Los Angeles, which still leaves 5 on file -- for Washington, Cleveland, Chicago, Denver, San Francisco -- in addition to its already-operating WEAF-FM, New York; report that the brothers Cortada and George Mayoral will drop their application for New York City (under name of Supreme Broadcasting System Inc.), concentrate on their New Orleans application and others to be filed for Memphis, Houston and other cities.

CBS CAMPAIGN EFFECTIVE: It's idle, indeed sheer smugness, to sit back and think CBS's campaign for color as against black-and-white TV isn't having an effect on the thinking and planning of prospective TV broadcasters, let alone creating doubts in the minds of prospective buyers of televiewing sets.

How deep the impression its color demonstrations is making on broadcasters, is indicated not only by the enthusiasm of those who have seen them but by its affiliates' board resolution (Vol. 2, No. 9). One signer of the resolution, E. E. Hill of the Worcester Telegram & Gazette's WTAG, applicant for black-and-white, now says his company probably will drop its low frequency application. This week, also, the Richards-Fitzpatrick stations WJR, Detroit, and WGAR, Cleveland, as well as KUTA, Salt Lake City, also applicants for low frequency TV (Supplement No. 18), petitioned the FCC to withdraw, giving as their reason they will wait for uhf color. Expected also to withdraw shortly is the Atlass-Wrigley application (WIND) for Chicago. On the other hand, new applications for low frequency TV are about to be filed by Baltimore Sun and New Orleans Times-Picayune.

Meanwhile, CBS entrenched itself more firmly as inventor as well as advocate of color TV by announcing that Westinghouse, though an applicant for 3 black-and-white stations, has taken out a license on the Goldmark inventions and giving out royalty terms available to "any reputable manufacturer." These range from 25 cents to $1 on receiving sets, depending on retail price, and call for 1% of the net selling price of complete color transmitter and studio apparatus. Westinghouse, of course, manufactures both receiving and transmitting equipment and is producing some of CBS's custom-built TV apparatus.

On top of that, CBS replies to those who say there are no standards as yet for color TV by stating officially that "within the next few months, we propose to recommend to the FCC technical standards for commercial operation of color television" on the uhf. Preparing for this, CBS is still waiting for delivery of its live pickup camera and conducting field intensity tests on its experimental W2XCS.

That CBS will get an FCC hearing on its proposed standards, is a certainty. Whether it can produce sufficient convincing technical data on the basis of experience with its relatively new uhf color station, is questionable. Evidence of other experts on uhf characteristics will certainly be demanded by the FCC. Proponents of uhf undoubtedly will draw heavily on the Government's own wartime findings on uhf, now no longer military secrets.

Consensus seems to be that ultimately TV must find its place on the uhf, which alone afford the channels necessary for color, but there is no agreement as to timing. The black-and-white go-ahead school admits uhf is the ultimate but says neither knowledge of the frequencies nor availability of equipment is adequate to warrant waiting for color; these advocates don't object to CBS's claim of superiority of color nearly so much as they bitterly resent its attacks on the quality of black-and-white. One big manufacturer, President Ben Abrams of Emerson, says color will delay TV. In a New York Times interview Friday, he was quoted as saying

that "the radio set manufacturer does not know how to make color television at a price the public is willing to pay."

As for the reaction of the members of Congress who saw CBS's color last week, it is significant. We asked them what they thought of it. Senator Wheeler (Mont.) liked it but was non-committal otherwise; said he didn't want to be drawn into the argument over color vs. monochrome. But Senator Hawkes (N.J.) said: "Certainly anyone would rather have color. And if I were in the business, I'd examine color very closely before I'd invest heavily in black-and-white. But I'd have to examine the technical aspects more thoroughly than was possible in the hour and a half I spent with CBS."

Rep. O'Hara (Minn.) said he liked it but didn't know enough about the technical problems to make an evaluation. Rep. Halleck (Ind.) said it was "interesting" and "very well done," but no more. Rep. Harless (Ariz.) called it "remarkably superior to anything I've ever seen before, and I've seen a great many television exhibitions. I had no idea color was so well developed. The people in black-and-white better make it obsolete before they get deeper in it." And Rep. Howell (Ill.) said: "Some manufacturers want to freeze TV at black-and-white for 10 years, to get rid of inventories of old prewar and wartime receivers"; he added color should be allowed to go ahead alongside black-and-white.

SATEVEPOST ON TV: Alva Johnston strives hard to be objective but fails to avoid a somewhat cynical note in the first article of his "Television: Boom or Bubble?" series of three in the March 9 Saturday Evening Post. To the industry reader, he doesn't tell much that is new, dealing in first article mainly with program problems. But he may succeed in beclouding TV in the minds of lay readers. His approach is reminiscent of the iconoclastic attitude of most newspapermen toward the parvenu broadcasting industry during its inceptive stages; today radio is largely manned by ex-newspapermen, is regarded as a goal by most others.

CBS FILMS DOCUMENTARIES: CBS Television has entered 16mm documentary film production field with series of 3 and 4-minute short subjects on New York City activities -- subway, schools, police, fire departments. Shooting has already started on first about firemen's training school. Series is handled by a film editor, two cameramen and director -- latter also being news editor who has been supervising filming of news since summer. Pictures will be shown weekly when WCBW returns to air after adjustment to new channel. Gruen Watch Co. has signed with CBS's WCBW for 20-second film time-signals to run twice weekly, 52 weeks, starting April 3.

NBC ISSUES TV RATE CARD: First definitive explanation of TV station-advertiser-agency relationship is made in "NBC Guide to Commercial Production Procedure," virtually a rate card, issued this week. Costs for air time (offered in 10-minute segments) as well as for rehearsal time and program production are set forth, covering WNBT facilities. Firmly stated is NBC's policy to retain iron-clad control over programs created by agencies and advertisers.

NEWS AND VIEWS: Their answers due March 11, defendants in Dept. of Justice TV anti-trust suit involving Scophony, et al. (Vol. 1, No. 17; Vol. 2, No. 1 and 7) were given extension until April 26 with stipulation they will ask for no more.... First TV station to return to air after reconversion is Philco's WPTZ, Philadelphia, which resumed Friday on Channel No. 3 from new studio in Architects Bldg....Second annual convention of TBA, planned this spring in New York, has been postponed until fall due to unavailability of equipment for demonstrations; TBA meanwhile is considering offering a course in all aspects of TV for ad agencies and their clients to counteract influences at work to discourage sponsors from experimenting with the video medium....A preview of Western Electric equipment, including FM and TV, is planned for Washington consulting engineers Monday, May 11.....Ritch & Gwaltney, consulting radio engineers of Raleigh, N. C., have moved their practice to 631 Pennsylvania Ave. N.W., Washington.

MARTIN CODEL'S

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'EA' FOR FM EQUALS CP, SAYS FCC: First so-called "Engineering Approvals" (EA) to conditional FM grantees, designating channels, powers and antenna heights, were issued Thursday by FCC. They are the equivalent of CPs. The 15 getting them (see Supplement No. 33 herewith) are first batch of many more promised as fast as Commission can process them, order of issuance to follow order of conditional grants so far as possible.

All but one of this week's 15 EAs went to existing AM operators. Ten got Metropolitans, 5 Rurals. Noteworthy among Rurals were the high power assignments, indicating that the old "superpower" bugaboo probably won't prevail in FM to influence uneconomic and technically foolish power ceilings. However, there's still the problem of getting tubes capable of handling the powers, which in the case of the 5 Rurals range from 134 to 318 kw.

The 15, and all others, must still file so-called "program forms" setting forth their program plans, in accordance with new FCC policy of checking promise-and-performance on license renewals as initiated with its March 7 report on "Public Service Responsibility of Broadcast Licensees" (Vol. 2, No. 10). This form will be numbered 90265, but isn't ready for distribution yet because Budget Bureau hasn't gotten around to approving printing cost!

Since filing the form is merely a routine, the EAs are tantamount to CPs, and the grantees may go ahead and order and install the requisite equipment -- though in some cases antenna structures are subject to approval of the Civil Aeronautics Administration.

The EA procedure is rather circumlocutory, an apparently needless step interposed before CPs. Commission spokesmen admit they don't like it either, for it means additional work for an already overburdened staff. But they say it is only temporary, will be in force only until conditional grantees can file the program forms. After that, they promise, CPs will issue as rapidly as possible -- some as result of hearings, probably many more without hearings because of plentitude in most places of FM channels.

HEARINGS SET ON FM AND TV: As FCC's first FM hearing droned through 5 hot Washington days this week, the Commission released schedules of 12 more FM and 11 TV hearings covering applicants from as many cities (see Special Report herewith for places and dates.) Most of the hearings will be conducted in the cities involved, but a few will be held in Washington. Presiding will either be commissioners or staffmen, the only presiding officer yet named being Commissioner Durr for Boston FM hearing April 2. Cases come up in April, May, June, July.

Despite fact that in some cities there are enough channels to go around, especially in case of TV, Commission has decided to hold hearings anyway. Its position is that this is best way to determine applicants' qualifications; also that it may decide to keep a few channels "on ice" (FM particularly) for possible

later applicants. There is also a disposition to take away an allocated channel now and then from one city (as it has done in case of Washington and several other cities (see Vol. 2, No. 8) and give it to another locality.

When Washington FM hearing started Monday, there were 12 remaining applicants for 11 available channels; but Loew's (MGM) dropped out at opening. The Commission went into huddle and then instructed hearing officer, Assistant General Counsel Ben Cottone, to proceed nevertheless. This, despite strenuous efforts of counsel to be permitted to present their cases in writing; despite noncompetitive character of applications; despite FCC's critical shortage of staff -- so critical that Cottone had to be "borrowed" from Common Carrier Division, whose activities are a far cry from broadcasting.

Unusual interest was manifested at hearing in "program promises" of applicants, apparently in line with Commission's new policy of scrutinizing program schedules under its "Public Service Responsibility" report (Vol. 2, No. 10).

Schedule of TV hearings, which lists applicants, fails to eliminate "drop-outs" reported elsewhere in this issue. Yet some of applicants listed have already formally withdrawn with FCC approval (i.e., Yankee, Providence; WJR, Detroit; WGAR, Cleveland). Others are known to be withdrawing, but formal petitions to withdraw have not yet been filed. Fact that hearing dates are now set will hasten these, so that not all those scheduled for hearing will appear.

GOOD NEIGHBOR FM: To demonstrate FM to our Latin American neighbors, RCA is expediting delivery of a transmitter to CMQ, Havana, so that it can be on the air by the time of the Inter-American Broadcasting Assn. meeting there starting May 19. International GE is also sending a transmitter, which may operate independently or in conjunction with another local AM station. And Philco has promised to send 50 to 100 table model FM-AM combinations that can retail, even after import duties, at around $50. American demonstrators will emphasize low cost of both transmitters and receivers, possibility of many more stations (thus meeting, particularly, the Cuban wave length demands at recent NARBA Washington conference), and will stress efficacy of FM in overcoming high noise levels and tropical static. Havana hosts report that some 100 acceptances from U.S. broadcasters, 200 from Mexico, Cuba and other Central American countries have already been received in response to invitations to the conference.

ARMSTRONG'S ROYALTIES: Though he didn't collect a cent of royalty on the extensive wartime uses of his FM patents, and has spent about a million dollars on his Alpine station and other activities in behalf of FM, Maj. Armstrong blinks a knowing eye when asked how he hopes to come out financially in the light of patent expirations in 1950 (Vol. 1, No. 1). That he isn't particularly worried, was manifested last week when he announced new royalty conditions designed to hasten the art. Licenses are available to all on the same basis. Educational and religious institutions get free licenses. World War II vets may defer royalty on transmitters until in financial position to pay. Royalty rates on broadcast stations (generally included in manufacturer's sale price) are based on power; range from $150 for 250 w to $2,500 for 50 kw. On receivers, royalties have been cut about 20% from pre-war -- run approximately 1% of the manufacturer's gross selling price, which Maj. Armstrong says returns him about one-half of 1% of the retail purchase price.

INEXPENSIVE FM CONVERTER: Electronics Research Inc., 519 Vine St., Evansville, Ind. (John B. Caraway Jr.), has developed an inexpensive, easily installed one-tube FM converter for switching old receivers to new high band. Caraway doesn't have final cost figures yet, but it's cheap enough so that WMLL, local FM station, is furnishing 400-500 sets in its areas with the converter free except for $2.50 installation charge. Hallicrafters has a $15 converter available (Vol. 2, No. 4).

Television Digest and FM Reports

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Special Report
March 16, 1946

FM and TV Hearing Schedules

(Announced by FCC March 15)

Data on individual FM applicants may be secured from Supplements 14A to 14G inclusive; on FM channel availabilities by cities in Supplement No. 21. For data on individual TV applicants and channel availabilities, see Supplement No. 18. Numbers refer to FCC Docket file for each applicant. Dates of hearings are subject to change. Applicants will be advised of address where hearings will be held. It should be noted that dockets are included in this official list for some applicants who have already filed petitions to withdraw.

FM HEARING SCHEDULE

At Boston, April 2
(including Waltham; Commissioner Durr sitting)

Columbia Broadcasting System Inc.	6024
Fidelity Broadcasting Corp.	6990
The Northern Corp.	6992
The Yankee Network Inc.	6993
Unity Broadcasting Corp. of Mass.	6994
Templetone Radio Manufacturing Corp.	6995
Massachusetts Broadcasting Co.	6996
Harvey Radio Laboratories Inc., Cambridge	6997
Raytheon Manufacturing Co., Waltham	6998
Bieberbach Broadcasting Corp., Waltham	7410

At Pittsburgh, April 15
(including New Kensington, Beaver Falls, Butler)

WCAE Inc.	7202
Scripps-Howard Radio Inc.	7203
Allegheny Broadcasting Corp.	7204
Liberty Broadcasting Co.	7205
West Virginia Radio Corp.	7206
Pittsburgh Radio Supply House	7207
Butler Broadcasting Co.	7208
Eagle Printing Co. Inc.	7209
Beaver County Broadcasting Corp.	7210

At Cleveland, April 22
(for Cleveland-Akron area)

Cleveland

United Broadcasting Co.	7038
National Broadcasting Co. Inc.	7039
WJW Inc.	7040
United Garage & Service Corp.	7041
International Union, UAW-CIO	7042
WGAR Broadcasting Co.	7043
Scripps-Howard Radio Inc.	7044
Telair Co.	7045
Cleveland Broadcasting Inc.	7046

Akron

Allen T. Simmons	7047
Summit Radio Corp.	7048
United Broadcasting Co.	7049
The Akron Radio Corp.	7050
Knight Radio Corp.	7051
Telair Co.	7052

At Dayton-Springfield, May 6

The Crosley Corp.	7235
Great Trails Broadcasting Corp.	7236
Miami Valley Broadcasting Corp.	7237
Unity Corp. Inc.	7238
Radio Voice of Springfield, Inc.	7239
Skyland Broadcasting Corp.	7409

Roanoke Hearing, May 6
(in Washington)

Piedmont Broadcasting Corp.	7394
Roanoke Broadcasting Co.	7395
Times-World Corp.	7396

Buffalo Hearing, May 10
(in Washington)

Buffalo Broadcasting Corp.	7187
Buffalo Broadcasting Corp.	7188

(Special hearing on question of ownership)

At Indianapolis, May 13

The Wm. H. Block Co.	7030
Evansville on the Air Inc.	7031
WFBM Inc.	7032
Scripps-Howard Radio Inc.	7033
Indiana Broadcasting Corp.	7034
Capitol Broadcasting Corp. Inc.	7035
Universal Broadcasting Co. Inc.	7036
Indianapolis Broadcasters Inc.	7037

At Chicago, June 3

Agricultural Broadcasting Co.	7135
Amalgamated Broadcasting System	7136
American Broadcasting Co. Inc.	7137
Balaban & Katz Corp.	7138
Chicago Federation of Labor	7139
Drovers Journal Publishing Co.	7140
Dual Engineering Corp.	7141
International Union, UAW-CIO	7142
Johnson-Kennedy Radio Corp.	7143
Knight Radio Corp.	7144
Lincoln-Belmont Pub. Co. & Myers Pub. Co.	7145
National Broadcasting Co. Inc.	7146
Oak Park Realty & Amusement Co.	7147
Raytheon Manufacturing Co.	7148
Telair Co.	7149
Gene T. Dyer, et al. (WAIT)	7150
John A. Dyer, et al. (WGES)	7151
WJJD Inc.	7152
Julius Miller, Oscar Miller, et al. (WSBC)	7153
Radio Station WJOB	7407

At Providence, June 10
(including Pawtucket)

The Outlet Co.	6015
Cherry & Webb Broadcasting Co.	7024
Providence Journal Co.	7025
The Yankee Network Inc.	7027
Colonial Broadcasting Co.	7028
Pawtucket Broadcasting Co.	7029

At Fort Wayne, June 27

Midwest FM Network	7083
Farnsworth Television & Radio Corp.	7084
Northeastern Indiana Broadcasting Corp.	7085

At New York, July 1
(including adjacent cities)

WBNX Broadcasting Co.	6013
News Syndicate Co. Inc.	6175
WMCA Inc.	6177
Debs Memorial Fund Inc.	6178
Greater New York Broadcasting Corp.	6179
Frequency Broadcasting Corp.	6182
American Broadcasting Co. Inc.	7217
Hearst Radio Inc.	7218
Bernard Fein	7219
WLIB Inc.	7220
Peoples Radio Foundation Inc.	7221
Supreme Broadcasting System Inc.	7222
New York Sun Broadcasting Co. Inc.	7223
Metropolitan Broadcasting Service	7224
NMU Broadcasting Co. Inc.	7225
Amalgamated Broadcasting System Inc.	7226
Book-of-the-Month Club Broadcasting Corp.	7227
Unity Broadcasting Corp. of N. Y.	7228
Elias I. Godofsky	7229
North Jersey Radio Inc.	7230
International Union, UAW-CIO	7231
Radio Projects Inc.	7232
Atlantic Broadcasting Co.	7233
North Jersey Broadcasting Co. Inc.	7234

At Peoria, July 5

Peoria Broadcasting Co.	7102
F. F. McNaughton	7103
Mid-State Broadcasting Co.	7104
Radio Peoria Inc.	7105
Midwest FM Network Inc.	7106
Central Illinois Radio	7408

(OVER)

TV HEARING SCHEDULE

At Harrisburg, Pa., April 15
- WHP, Inc. — 7305
- Keystone Broadcasting Corp. — 7306

At Lancaster, Pa., April 18
- Lancaster Television Corp. — 7307
- WGAL Inc. — 7308

At Detroit, April 24
- The Evening News Association — 7275
- International Detrola Corp. — 7276
- The Jam Handy Organization Inc. — 7277
- King-Trendle Broadcasting Corp. — 7278
- United Detroit Theatres Corp. — 7279
- WJR, The Goodwill Station — 7280

At Pittsburgh, April 25
- Allegheny Broadcasting Corp. — 7287
- Allen B. DuMont Laboratories Inc. — 7288
- Scripps-Howard Radio Inc. — 7289
- WCAE Inc. — 7290
- Westinghouse Radio Stations Inc. — 7291

Baltimore Hearing, May 6
(in Washington)
- Hearst Radio Inc. — 7299
- Maryland Broadcasting Co. — 7300
- Tower Realty Co. — 7301
- Jos. M. Zamoiski Co. — 7302

At Cleveland, May 13
- Allen B. DuMont Laboratories Inc. — 7293
- National Broadcasting Co. Inc. — 7294
- Scripps-Howard Radio Inc. — 7295
- United Broadcasting Co. — 7296
- The WGAR Broadcasting Co. — 7297
- WJW Inc. — 7298

At Los Angeles, May 20
- Hughes Productions, Division of Hughes Tool Co. — 6370
- Earle C. Anthony Inc. — 7254
- Don Lee Broadcasting System — 7255
- National Broadcasting Co. Inc. — 7256
- Warner Bros. Broadcasting Corp. — 7257
- Consolidated Broadcasting Corp. — 7258
- American Broadcasting Co. Inc. — 7259
- The Times-Mirror Co. — 7260
- Metro-Goldwyn-Mayer Studios Inc. — 7261
- Fox West Coast Theatres — 7262
- Walt Disney Productions, Burbank — 7263
- Television Productions Inc. — 7264
- Dorothy S. Thackrey — 7265

New York Hearing, June 3
(in Washington)
- Bamberger Broadcasting Service — 7241
- Philco Radio & Television Corp. — 7242
- Bremer Broadcasting Corp., Newark — 7243
- Westchester Bcstg. Corp., White Plains — 7244
- American Broadcasting Co. Inc. — 7245
- News Syndicate Co. Inc. — 7246
- Marcus Loew Booking Agency — 7247
- WLIB Inc. — 7248
- Raytheon Manufacturing Co. — 7249
- Debs Memorial Radio Fund Inc. — 7250
- Palmer K. & Lois C. Leberman — 7251
- Twentieth Century-Fox Film Corp. — 7252
- Sherron Metallic Corp., Huntington — 7253

Philadelphia Hearing, June 17
(in Washington)
- WCAU Broadcasting Co. — 6369
- Westinghouse Radio Stations Inc. — 7266
- WFIL Broadcasting Co. — 7268
- Seaboard Radio Broadcasting Corp. — 7269
- The Philadelphia Inquirer — 7270
- WDAS Broadcasting Station Inc. — 7271
- Pennsylvania Broadcasting Co. — 7272
- Philadelphia Daily News Inc. — 7273
- William Penn Broadcasting Co. — 7274

At Providence, June 17
- The Outlet Co. — 7303
- The Yankee Network Inc. — 7304

At San Francisco, July 15
- Hughes Productions, Division of Hughes Tool Co. — 6371
- Don Lee Broadcasting System — 7281
- Associated Broadcasters Inc. — 7282
- Television Productions Inc. — 7283
- American Broadcasting Co. Inc. — 7284
- Hearst Publications Inc. — 7285
- Dorothy S. Thackrey — 7286

Television Digest and FM Reports

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Supplement No. 33
March 16, 1946

Cumulative Log of

Conditional Grants and Engineering Approvals for New FM Stations

(Including Current Engineering Approvals for Antenna Height, Channel, Power)

Stations securing Engineering Approvals are indicated by dots before cities named in capital letters. Antenna height refers to height above average terrain. Power is effective radiated power. Engineering Approvals are tantamount to CPs, to be issued as soon as station files appropriate program forms.

This consolidates and supersedes Supplements 30, 30A and 30B

FULL DATA ON THESE APPLICANTS WILL BE FOUND IN SUPPLEMENTS 14A TO 14G, INCLUSIVE

Dagger (†) indicates Metropolitan station. Double dagger (‡) Metropolitan, possibly Rural. Asterisk (*) Community.
For definitions of classes of stations, see FM Rules, Supplement No. 7

City	Applicant	AM Affiliate
ALABAMA		
Anniston	‡Harry M. Ayers	WHMA
Birmingham	‡The Birmingham News Co.	WSGN
■ BIRMINGHAM	†Johnston Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 750 ft. Channel, 93.5 mc (No. 228). Power, 40 kw)	WJLD (Bessemer)
Mobile	†W. O. Pape, tr/as Pape Bcstg. Co.	WALA
Mobile	†Mobile Daily Newspapers, Inc.	———
Montgomery	†G. W. Covington, Jr.	WCOV
Montgomery	‡Montgomery Broadcasting Co. Inc.	WSFA
ARKANSAS		
Fort Smith	‡Donald W. Reynolds	———
CALIFORNIA		
Alameda	†Abraham and Sara Kofman, d/b as Times-Star Publishing Co.	———
Berkeley	†Central Cal. Broadcasters, Inc.	KRE
Eureka	†Redwood Broadcasting Co., Inc.	KIEM
Fresno	‡J. E. Rodman	KFRE
Fresno	†KARM, The George Harm Station	KARM
Marysville	‡Sacramento Valley Broadcasters	———
Oakland	†Tribune Building Co.	KLX
Oakland	†Warner Brothers	KWBR
Ontario	*The Daily Report	———
Palo Alto	*Peninsula Newspapers, Inc.	———
Richmond	*Contra Costa Broadcasting Co. *Richmond Independent*	———
Riverside	‡The Broadcasting Corp. of America	KPRO
Sacramento	†McClatchy Broadcasting Co.	KFBK
Sacramento	†Lincoln Dellar	KXOA
San Bernardino	†The Sun Co. of San Bernardino	———
San Bernardino	†Lee Brothers Broadcasting Co.	KFXM
San Diego	†Airfan Radio Corp. Ltd	KFSD
San Francisco	†American Broadcasting Co., Inc.	KGO
San Francisco	†Associated Broadcasters, Inc.	KSFO
San Jose	‡Valley Broadcasting Co.	———
San Luis Obispo	†Valley Electric Co.	KVEC
San Mateo	*Amphlett Printing Co.	———
Santa Maria	*Santa Maria Daily Times	———
Stockton	‡E. F. Peffer	KGDM
CONNECTICUT		
Danbury	*The Berkshire Broadcasting Corp.	———
Meriden	†Silver City Crystal Co.	———
New Haven	†Elm City Broadcasting Corp.	WNHC
New London	†Thames Broadcasting Corp.	WNLC
Waterbury	†American Republican, Inc.	WBRY
FLORIDA		
Ft. Lauderdale	†Gore Publishing Co.	———
Jacksonville	†City of Jacksonville	WJAX
■ JACKSONVILLE	†Florida Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 500 ft. Channel, 95.9 mc (No. 240). Power, 20 kw)	WMBR
Jacksonville	†Jacksonville Broadcasting Co.	WPDQ
Jacksonville	†The Metropolis Company	WJHP
■ MIAMI	†Isle of Dreams Broadcasting Corp. (Granted engineering approval 3/14/46. Antenna, 346 ft. Channel, 97.5 mc (No. 248). Power, 34 kw)	WIOD
Miami	†Miami Broadcasting Co.	WQAM
Miami Beach	†A. Frank Katzentine	WKAT
Orlando	‡Orlando Daily Newspapers, Inc.	———
St. Petersburg	†Pinellas Broadcasting Co.	WTSP
Tampa	†The Tribune Co.	WFLA
GEORGIA		
Atlanta	†The Constitution Publishing Co.	———
Augusta	†Augusta Broadcasting Co.	WRDW
Augusta	†Augusta Chronicle Broadcasting Co.	———
■ COLUMBUS	†Ga.-Ala. Broadcasting Corp. (Granted engineering approval 3/14/46. Antenna, 602 ft. Channel, 96.3 mc (No. 242). Power, 9.4 kw)	———
Columbus	†Ga.-Ala. Broadcasting Corp.	———
■ MACON	†Middle Ga. Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 441 ft. Channel, 102.3 mc (No. 272). Power, 36 kw)	WMBL
■ MACON	†Southeastern Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 437 ft. Channel, 101.9 mc (No. 270). Power, 36 kw)	WMAZ
■ MOULTRIE	†Frank R. Pidcock, Sr. (Granted engineering approval 3/14/46. Antenna, 401 ft. Channel, 100.3 mc (No. 262). Power, 10.4 kw)	WMGA
Rome	†Rome Broadcasting Corp.	WRGA
Savannah	†Savannah Broadcasting Co.	WTOC
Valdosta	‡E. D. Rivers	WGOV
IDAHO		
Nampa	†Frank E. Hurt & Son	KFXD
Boise	†Georgia Phillips, d/b as Boise Broadcast Station	KIDO
Pocatello	†Radio Service Corp.	KSEI
ILLINOIS		
Aurora	†The Copley Press, Inc. [Aurora Beacon-News Division] (Springfield)	WCSB
Bloomington	†Radio Station WJBC	WJBC
Brookfield	*George M. Ives	———
Carbondale	†Southern Ill. Broadcasting Corp.	———
Champaign	*The Champaign News-Gazette, Inc.	WDWS
Evanston	*North Shore Broadcasting Co. Inc.	———
Evanston	*Sentinel Radio Corp.	———
Freeport	†Freeport Journal-Standard Publ. Co.	———
Harrisburg	‡Harrisburg Broadcasting Co.	WEBQ
Herrin	‡Orville W. Lyerla	WJPF
Kankakee	†Kankakee Daily Journal	———
Mt. Vernon	†Midwest Broadcast Co.	———
Quincy	†Lee Broadcasting, Inc.	WTAD
Quincy	†Quincy Newspapers, Inc.	WSOY
Rock Island	†Rock Island Broadcasting Co.	WHBF
Rockford	†Rockford Broadcasters, Inc.	WROK
Springfield	†WTAX, Inc.	WTAX
Waukegan	†Keystone Printing Service, Inc.	———
INDIANA		
Columbus	†Syndicate Theatres, Inc.	———
Connersville	†News-Examiner Co.	———
Elkhart	†Truth Publishing Co., Inc.	WTRC
Kokomo	†Kokomo Broadcasting Corp.	WKMO
Lafayette	†WFAM, Inc.	WASK
Shelbyville	†Shelbyville Radio Inc.	———
Terre Haute	†Wabash Valley Broadcasting Corp.	———

City	Applicant	AM Affiliate
IOWA		
■ BURLINGTON	†Burlington Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 538 ft. Channel, 99.3 mc (No. 257). Power, 19.2 kw)	KBUR
Cedar Rapids	†The Gazette Co.	———
■ DES MOINES	‡Central Broadcasting Co. (Granted engineering approval 3/14/46. Antenna, 583 ft. Channel, 100.5 mc (No. 263). Power, 134 kw. Rural station)	WHO
Des Moines	‡Cowles Broadcasting Co.	KRNT
Dubuque	‡Dubuque Broadcasting Co.	WKBB
■ DUBUQUE	‡Telegraph-Herald (Granted engineering approval 3/14/46. Antenna, 662 ft. Channel, 99.9 mc (No. 260). Power, 180 kw. Rural station)	KDTH
Waterloo	‡Josh Higgins Broadcasting Co.	KXEL
KANSAS		
Lawrence	†The World Co.	———
Topeka	†Topeka Broadcasting Association, Inc.	WIBW
Wichita	†The Farmers & Bankers Broadcasting Corp.	KFBI
Wichita	†Louis Levand, Max Levand and John Levand d/b as Wichita Beacon Broadcasting Co.	———
Wichita	†The Radio Station KFH Co.	KFH
KENTUCKY		
Lexington	†American Broadcasting Corp. of Ky.	WLAP
Louisville	†Courier-Journal & Louisville Times Co.	WHAS
Louisville	†Northside Broadcasting Corp.	WGRC
Louisville	†WAVE, Inc.	WAVE
Owensboro	†Owensboro Broadcasting Co., Inc.	WOMI
Paducah	†Paducah Broadcasting Co. Inc.	WPAD
Paducah	†Paducah Newspapers, Inc.	———
LOUISIANA		
Alexandria	*Central La. Broadcasting Corp.	———
Alexandria	†Alexandria Broadcasting Co. Inc.	KALB
New Orleans	†Loyola University	WWL
New Orleans	‡Supreme Broadcasting System, Inc.	———
New Orleans	†The Times Picayune Pub. Co.	———
MAINE		
Bangor	†Portland Broadcasting System Inc.	WGAN
MARYLAND		
Annapolis	†The Capital Broadcasting Co.	———
Baltimore	†A. S. Abell Co. (Baltimore Sunpapers)	———
Baltimore	†Baltimore Broadcasting Corp.	WCBM
Baltimore	†Baltimore Radio Show Inc.	WFBR
Baltimore	†Belvedere Broadcasting Corp.	———
Baltimore	†Maryland Broadcasting Corp.	WITH
Baltimore	†Monumental Radio Co.	WCAO
Frederick	†The Monocacy Broadcasting Co.	WFMD
Hagerstown	‡Hagerstown Broadcasting Co.	WJEJ
Salisbury	†Peninsula Broadcasting Co.	WBOC
MASSACHUSETTS		
Brockton	*Cur-Nan Company	———
Fall River	†The Fall River Broadcasting Co. Inc.	WSAR
Fitchburg	†Mitchell G. Meyers, Reuben E. Aronheim and Milton H. Meyers	WEIM
Greenfield	*John W. Haigis	WHAI
Greenfield	*Recorder Publishing Corp.	———
Haverhill	†The Haverhill Gazette Co.	———
Holyoke	†The Hampden-Hampshire Corp.	WHYN
Lawrence	†Hildreth & Rogers Co.	WLAW
New Bedford	†Bristol Broadcasting Co. Inc. (E. Anthony & Sons Inc.)	WNBH-WOCB
North Adams	†James A. Hardman	———
Pittsfield	*Eagle Publishing Co.	———
Pittsfield	†Monroe B. England	WBRK
Salem	*North Shore Broadcasting Co.	WESX
Springfield	†WMAS, Inc.	WMAS
MICHIGAN		
Ann Arbor	†Washtenaw Broadcasting Co.	WPAG
Benton Harbor	†The Palladium Publishing Co.	———
Dearborn	*Herman Radner	WIBM (Jackson)
Detroit	†King-Trendle Broadcasting Corp.	WXYZ
Detroit	†UAW-CIO Broadcasting Corp. of Mich.	———
Detroit	†WJR, The Goodwill Station, Inc.	WJR
Escanaba	†John P. Norton (*Daily Press*)	———
Flint	†Flint Broadcasting Co.	WFDF
Lansing	‡WJIM, Inc.	WJIM
Muskegon	†Ashbacker Radio Corp.	WKBZ
Pontiac	†Pontiac Broadcasting Co.	WCAR
Port Huron	†The Times Herald Co.	———
Saginaw	†Saginaw Broadcasting Co.	WSAM
Wyandotte	*Wyandotte News Co.	———
MINNESOTA		
Mankato	†F. B. Clements & Co.	KYSM
Minneapolis	†Independent Merchants Bcstg. Co.	WLOL
Minneapolis	†Minn. Broadcasting Corp.	WTCN
Rochester	†Southern Minn. Broadcasting Co.	KROC
■ ST. PAUL	‡KSTP, Inc. (Granted engineering approval 3/14/46. Antenna, 764 ft. Channel, 102.1 mc (No. 271). Power, 318 kw. Rural station)	KSTP
St. Paul	†WMIN Broadcasting Co.	WMIN
Winona	‡Winona Radio Service	KWNO
MISSISSIPPI		
Clarksdale	†Birney Imes Sr.	WROX
Jackson	‡Lamar Life Insurance Co.	WJDX
MISSOURI		
Joplin	†Joplin Broadcasting Co.	WMBH
Kansas City	†The Kansas City Star Co.	WDAF
Kansas City	†KCMO Broadcasting Co.	KCMO
Kansas City	†WHB Broadcasting Co.	WHB
■ ST. LOUIS	†Mo. Broadcasting Corp. (Granted engineering approval 3/14/46. Antenna, 475 ft. Channel, 92.1 mc (No. 221). Power, 32.3 kw)	WIL
■ ST. LOUIS	‡Thomas Patrick Inc. (Granted engineering approval 3/14/46. Antenna, 472 ft. Channel, 95.3 mc (No. 237). Power, 188 kw. Rural station)	KWK
St. Louis	†The Pulitzer Publishing Co.	KSD
St. Louis	†Star-Times Publishing Co.	KXOK
■ ST. LOUIS	†St. Louis University (Granted engineering approval 3/14/46. Antenna, 525 ft. Channel, 94.1 mc (No. 231). Power, 42.6 kw)	WEW
NEBRASKA		
Lincoln	†Cornbelt Broadcasting Corp.	KFOR
Omaha	†Inland Broadcasting Co.	KBON
■ OMAHA	‡World Publishing Co. (Granted engineering approval 3/14/46. Antenna, 584 ft. Channel, 92.5 mc (No. 223). Power, 160 kw. Rural station)	KOWH
NEVADA		
Las Vegas	*Nevada Broadcasting Co.	KENO
Reno	†Reno Newspapers, Inc	———
NEW HAMPSHIRE		
Claremont	†Claremont Eagle, Inc.	———
Manchester	†Harry M. Bitner	WFEA
Manchester	†The Radio Voice of New Hampshire	WMUR
Portsmouth	†WHEB, Inc.	WHEB
NEW JERSEY		
Asbury Park	*Asbury Park Press, Inc.	———
Atlantic City	†Neptune Broadcasting Corp.	WFPG
Atlantic City	†Press-Union Publishing Co.	WBAB
Bridgeton	†Eastern States Broadcasting Corp.	WSNJ
New Brunswick	*Home News Publishing Co.	———
Paterson	*The Passaic Daily News	———
Trenton	†Mercer Broadcasting Co.	———
NEW YORK		
Buffalo	†Roy L. Albertson	WBNY
Buffalo	‡WBEN, Inc.	WBEN
Buffalo	†WEBR, Inc.	WEBR
Corning	†W. A. Underhill and E. S. Underhill Jr., d/b as *The Evening Leader*	———
Dunkirk	*Dunkirk Printing Company	———
Hornell	‡The W. H. Greenhow Co.	———
Ithaca	‡Cornell University	WHCU
Jamestown	†James Broadcasting Co., Inc.	WJTN
Ogdensburg	‡St. Lawrence Broadcasting Corp.	WSLB
Oswego	†Palladium-Times, Inc.	———
Rochester	†Amalgamated Broadcasting System, Inc.	———
Syracuse	†Central New York Broadcasting Corp.	WSYR
Syracuse	†Onondaga Radio Broadcasting Corp.	WFBL
Syracuse	†Radio Projects Inc.	———
Syracuse	†Syracuse Broadcasting Corp.	———
Syracuse	†WAGE, Inc.	WAGE
Troy	†The Troy Record Co.	———
Watertown	†The Brockway Co.	WWNY
White Plains	*Westchester Broadcasting Corp.	WFAS
Utica	†WIBX, Inc.	WIBX

City	Applicant	AM Affiliate
NORTH CAROLINA		
Burlington	†Alamance Broadcasting Co. Inc.	WBBB
Charlotte	†Southeastern Broadcasting Co.	WBT
Durham	†Durham Radio Corp.	WDNC
Fayetteville	†Cape Fear Broadcasting Co.	WFNC
Gastonia	‡F. C. Todd	WGNC
Greensboro	†Greensboro News Co.	———
Hickory	‡Catawba Valley Broadcasting Co. Inc.	WHKY
High Point	†High Point Enterprise, Inc.	———
High Point	†Radio Station WMFR	WMFR
Raleigh	‡WPTF Radio Co.	WPTF
Roanoke Rapids	†Telecast Inc.	———
Roanoke Rapids	†WCBT Inc.	WCBT
Rocky Mount	†Josh L. Horne	———
Rocky Mount	†William Avera Wynne	WEED
Salisbury	†Piedmont Broadcasting Corp.	WSTP
Washington	†Tar Heel Broadcasting System Inc.	WRRF
Wilmington	†Wilmington Star-News Co.	———
Wilmington	†Richard Austin Dunlea	WMFD
Winston-Salem	†WAIR Broadcasting Co.	WAIR
OHIO		
Alliance	†Review Publishing Co.	———
Ashland	‡Beer & Koehl	———
Athens	†The Messenger Publishing Co.	———
Cincinnati	†Buckeye Broadcasting Co.	WSAI
Cincinnati	‡The Cincinnati Times Star Co.	WKRC
Cincinnati	†The Crosley Corp.	WLW
Cincinnati	†Scripps-Howard Radio, Inc.	WCPO
Cincinnati	†L. B. Wilson Inc.	WCKY
Columbus	†The Pixleys	WCOL
Dover	*The Tuscora Broadcasting Co.	———
Fostoria	*Laurence W. Harry	———
Fremont	*Robert F. Wolfe Company	———
Hamilton	*Fort Hamilton Broadcasting Co.	WMOH
Marion	‡The Marion Broadcasting Co.	WMRN
Newark	†The Advocate Printing Co.	———
Toledo	†The Fort Industry Co.	WSPD
Toledo	†Unity Corp., Inc.	———
Warren	*Nied & Stevens	WRRN
Wooster	‡The Wooster Republican Printing Co.	———
Youngstown	†WFMJ Broadcasting Co. (*Vindicator*)	WFMJ
Youngstown	‡WKBN Broadcasting Corp.	WKBN
OKLAHOMA		
Ardmore	†John F. Easley	KVSO
Lawton	†Okla. Quality Broadcasting Co.	KSWO
Muskogee	†Muskogee Broadcasting Co.	———
Oklahoma City	‡KOMA Inc.	KOMA
Oklahoma City	‡Plaza Court Broadcasting Co.	KOCY
Oklahoma City	†O. L. Taylor	KTOK
Oklahoma City	‡WKY Radiophone Co.	WKY
Shawnee	†KGFF Broadcasting Co.	KGFF
Tulsa	†Fred Jones Broadcasting Co.	———
OREGON		
Medford	*Medford Ptg. Co. {KFLW, Klamath Falls, Ore. KRNR, Roseburg, Ore.	
Medford	†Mrs. W. J. Virgin	KMED
Portland	†Stanley M. Goard, et al., d/b as Broadcasters Oregon, Ltd.	———
Portland	‡KALE, Inc.	KALE
Portland	†KOIN Inc.	KOIN
Portland	‡KXL Broadcasters	KXL
Portland	†Oregonian Publishing Co.	KGW
Portland	†Pacific Radio Advertising Service	KWJJ
PENNSYLVANIA		
Allentown	†Lehigh Valley Broadcasting Co.	WSAN
Altoona	†The Gable Broadcasting Co.	WFBG
Bethlehem	†The Bethlehem Globe Publishing Co.	———
Bradford	†Bradford Publications, Inc	———
Clearfield	†Airplane & Marine Instruments Co.	———
Du Bois	†Tri-County Broadcasting Co., Inc.	WCED
Easton	*Easton Publishing Co.	———
Erie	†Presque Isle Broadcasting Co.	WERC
Harrisburg	†The Patriot Company	———
Harrisburg	†WHP, Inc.	WHP
Johnstown	†WJAC, Inc.	WJAC
Lancaster	†Peoples Broadcasting Co.	———
Lancaster	†WGAL, Inc.	WGAL
Lewistown	†Lewistown Broadcasting Co.	WMRF
Meadville	†H. C. Winslow (M.D.)	———
New Castle	†WKST, Inc.	WKST
Reading	†Hawley Broadcasting Co.	———
Scranton	†Scranton Broadcasters, Inc.	WGBI
Sunbury	†Sunbury Broadcasting Corp.	WKOK
Uniontown	†Fayette Broadcasting Corp.	WMBS
Uniontown	‡Uniontown Newspapers, Inc.	———
Washington	†Observer Publishing Co.	———
Wilkes-Barre	†Louis G. Baltimore	WBRE
Williamsport	†WRAK, Inc.	WRAK
York	†Susquehanna Broadcasting Co.	WSBA
York	†White Rose Broadcasting Co.	———
SOUTH CAROLINA		
Anderson	‡Wilton E. Hall	WAIM
Charleston	†Atlantic Coast Broadcasting Co.	WTMA
Columbia	†Surety Life Ins. Co.	WIS
Greenville	†Textile Broadcasting Co.	WMRC
Greenville	†The Greenville News-Piedmont Co.	WFBC
Greenwood	†Grenco, Inc.	WCRS
Rock Hill	*York County Broadcasting Co.	WRHI
Spartanburg	‡Spartanburg Advertising Co.	WSPA
TENNESSEE		
Bristol	‡Radiophone Broadcasting Station WOPI, Inc.	WOPI
Chattanooga	†Unity Broadcasting Corp. of Tenn.	———
Chattanooga	†WDOD Broadcasting Corp.	WDOD
Clarksville	†William Kleeman	WJZM
Clarksville	†Leaf-Chronicle Co.	———
Jackson	†The Sun Publishing Co., Inc.	WTJS
Johnson City	†WJHL, Inc.	WJHL
Knoxville	†S. E. Adcock	WROL
Knoxville	†Knoxville Publishing Co.	———
Memphis	†Herbert Herff	———
Memphis	‡Hoyt B. Wooten	WREC
Nashville	†WSIX Broadcasting Station	WSIX
TEXAS		
Abilene	†The Reporter Broadcasting Co.	KRBC
Beaumont	†KRIC Inc.	KRIC
Brownsville	*Brownsville Herald Pub. Co.	———
College Station	†A. & M. College of Texas	WTAW
Dallas	†A. H. Belo Corp.	WFAA
Dallas	‡KRLD Radio Corp.	KRLD
Fort Worth	‡Carter Publications Inc.	WBAP
Galveston	†The KLUF Broadcasting Co. Inc.	KLUF
Harlingen	†Harbenito Broadcasting Co. Inc.	KGBS
Houston	†Houston Printing Corp.	KPRC
Houston	†KTRH Broadcasting Co.	KTRH
Houston	†Lee Segall Broadcasting Co.	———
San Antonio	†The Walmac Co.	KMAC
Temple	*Bell Broadcasting Co. Inc.	KTEM
Texarkana	†KCMC Inc.	KCMC
Tyler	†East Texas Broadcasting Co.	KGKB
Vernon	†Northwestern Broadcasting Co.	KVWC
Wichita Falls	†Times Publishing Co. of Wichita Falls	———
UTAH		
Salt Lake City	†Intermountain Broadcasting Corp.	KDYL
VIRGINIA		
Lynchburg	†Lynchburg Broadcasting Corp.	WLVA
Lynchburg	†Old Dominion Broadcasting Corp.	———
Norfolk	†WTAR Radio Corp.	WTAR
Portsmouth	†Portsmouth Radio Corp.	WSAP
Richmond	†Havens & Martin Inc.	WMBG
Winchester	‡Richard Field Lewis, Jr.	WINC
WASHINGTON		
Seattle	†Evergreen Broadcasting Corp.	KEVR-KTYW
Seattle	‡Fisher's Blend Station, Inc.	KOMO
Seattle	‡Queen City Broadcasting Co. Inc.	KIRO
Seattle	†Radio Sales Corp.	KRSC
WEST VIRGINIA		
Beckley	‡Joe L. Smith, Jr.	WJLS
Beckley	†Beckley Newspapers Corp.	———
Bluefield	‡Daily Telegraph Printing Co.	WHIS
Huntington	†Huntington Broadcasting Corp.	———
Morgantown	*West Virginia Radio Corp.	WAJR
WISCONSIN		
Green Bay	†Green Bay Newspaper Co.	———
Greenfield	‡Wm. C. Forrest	WIBU (Poynette)
La Crosse	‡WKBH, Inc.	WKBH
Madison	‡Badger Broadcasting Co.	WIBA
Milwaukee	†Midwest Broadcasting Co.	———
Milwaukee	†Milwaukee Broadcasting Co.	WEMP
Oshkosh	†Myles H. Johns, et al., d/b as Oshkosh Broadcasting Co.	WOSH
Racine	†Racine Broadcasting Corp.	WRJN
Sheboygan	†Press Publishing Co.	WHBL
Wausau	†Record Herald Company	———
WYOMING		
Cheyenne	†Frontier Broadcasting Co.	KFBC

Television Digest and FM Reports

TV-FM BUILDING • 1519 CONNECTICUT AVE. N.W. • WASHINGTON 6, D. C. • TELEPHONE MICHIGAN 2020

Supplement No. 32
March 16, 1946

Commercial FM License and CP Holders as of March 15, 1946

This directory revises and brings up to date Supplement No. 4. It is compiled from replies to questionnaires sent to all principals and from FCC License Division files. All stations are Metropolitan Class, except WMTW, Portland, Maine, and WMIT, Winston-Salem, N.C., which are Rural. New frequency starting dates are given as reported by stations; in many cases this is with less than authorized power due to delay in equipment deliveries. Operating power specified on new frequencies is effective radiated power. Operating powers indicated on old frequencies is transmitter power. Where station indicates it is continuing on old frequency, this is subject to FCC changeover. Dagger (†) means station has no AM affiliation.

CALIFORNIA

LOS ANGELES — KHJ-FM, licensed to Don Lee Broadcasting System, 5515 Melrose Ave. Operator of regional network and licensee of AM stations KHJ, Los Angeles; KFRC, San Francisco; KGB, San Diego; KDB, Santa Barbara; also holder of experimental TV licenses for W6XAO and W6XDU and CP for commercial TV station KTSL. Studio, 5515 Melrose Ave. Transmitter, Mt. Lee, Hollywood Hills, but has filed with FCC for new site atop Mt. Wilson. Assigned frequency, channel number and power, 99.7 mc (259), 4.8 kw (starting date undetermined). Old frequency and power, 44.5 mc, 1 kw (not continuing). Height of antenna, 860 ft.; overall height above mean sea level, 1,760 ft. Proposed height of new antenna above sea level, 5,900 ft. Make of new transmitter, WE; new antenna, GE. Estimated cost of FM plant, $108,000; monthly cost of operation, $6,000. First went on air, Aug. 11, 1941. On air 6 hours or more daily, with duplication of AM programs. Publishes separate rate card. Executive personnel: Thomas S. Lee, president; Lewis Allen Weiss, v.p. and gen. mgr.; Willet H. Brown, v.p. and asst. gen. mgr.; Frank M. Kennedy, chief engineer. Washington counsel, Dempsey & Koplovitz.

LOS ANGELES — †KTLO, construction permit issued to Metro-Goldwyn-Mayer Studios Inc., Los Angeles, interlocking ownership with AM station, WHN, New York, and FM station WHNF, New York. Application pending for call letter KMGM. Studio, undetermined. Transmitter, Santa Monica Mountain. Assigned frequency, channel number and power, 100.1 mc (261), 4.8 kw (starting date, April 1, 1946). Height of antenna, 350 ft. Make of transmitter, GE; antenna, WE. Estimated cost of FM plant, $113,000; monthly cost of operation, $2,000. Plans minimum of 12 hours per day on air, no duplication of AM programs. Time to be sold. Principals: Herbert L. Pettey, WHN, New York, executive director; Paul Fuelling, chief engineer. Washington counsel, Kremer & Bingham. Washington consulting engineers, Jansky & Bailey.

CONNECTICUT

HARTFORD — WDRC-FM, licensed to WDRC Inc., 750 Main St., also licensee of AM station WDRC. Principals: Dr. Franklin M. Doolittle, president, 71% stockholder: Italo Martino, v.p. and chief engineer, WDRC; Walter Haase, secretary and manager, WDRC. Studio, 750 Main St. Transmitter, Meriden, Conn. Assigned frequency, channel number and power, 94.3 mc (232), 7 kw (starting date, Feb. 1, 1946). Old frequency and power, 46.5 mc, 1 kw (continuing indefinitely). Height of antenna, 54 ft.; overall height above mean sea level, 1,054 ft. Make of new transmitter, REL. First went on air, May 13, 1939. Plans 6 hours on air per day with new frequency; 2¾ hours duplicated with AM. No separate rate card. Washington counsel, Dow, Lohnes & Albertson. Consulting engineer, Norman I. Adams, Jr.

HARTFORD — WTIC-FM, licensed to Travelers Broadcasting Service Corp., 26 Grove St., wholly owned subsidiary of Travelers Insurance Co., also licensee of AM station WTIC. Officers: Jesse W. Randall, president; Gladden W. Baker, v.p. and treasurer; Paul W. Morency, v.p. and general manager. Studio, 26 Grove St.; transmitter, Avon, Conn. Assigned frequency, channel number and power, 93.5 mc (228), 9.5 kw (starting date, Feb. 1, 1946). Old frequency and power, 45.3 mc, 1 kw. Height of antenna, 225 ft.; overall height above mean sea level, 865 ft. Estimated cost of FM plant, $16,104; monthly cost of operation, $4,279. First went on air, November, 1940. On air 8 hours daily, 7 hours duplicated with AM. No separate rate card. Staff interchangeable with WTIC; Herman D. Taylor, chief engineer. Washington counsel, Louis G. Caldwell-Reed T. Rollo. Washington consulting engineers, Ring & Clark.

ILLINOIS

CHICAGO — WBBM-FM, licensed to Columbia Broadcasting System, 410 N. Michigan Ave., also licensee of AM station WBBM and other stations. Principals etc., see WABC-FM, New York City. Studio, 410 N. Michigan Ave.; transmitter, 1 N. LaSalle St. Assigned frequency, channel number and power, 99.3 mc (257), 10 kw (starting date undertermined). Old frequency and power, 46.7 mc, 10 kw (not continuing). Height of antenna, 668 ft.; overall height above mean sea level, 1,180 ft. Make of new transmitter, modified GE. Estimated cost of FM plant, $145,000; monthly cost of operation, $7,200. First went on air, December 17, 1941. No separate rate card. Staff interchangeable with AM. H. Leslie Atlass, Central Division v.p.; Frank Falknor, assistant manager, Western Office.

CHICAGO — WDLM, licensed to Moody Bible Institute, 820 N. LaSalle St., also licensee of AM station WMBI. Officers: Will H. Houghton, president; Henry C. Crowell, v.p.; Robert E. Nicholas, secretary; Ernest C. Christiansen, business manager; Frank F. Taylor, president of board of trustees. Studio, 820 N. LaSalle St.; transmitter, Addison, Ill. Assigned frequency, channel number and power, 99.7 mc (259), 20 kw (starting date, Jan. 25, 1946). Old frequency and power, 47.5 mc, 1 kw (not continuing). Height of antenna, 500 ft.; overall height above mean sea level, 550-600 ft. Make of new transmitter, probably WE. Estimated cost of FM plant, $98,750; monthly cost of operation, $4,500. First went on air, 1943. On air 12-14 hours daily, 90% duplication with AM. No separate rate card. Staff: Robert Parsons, program director; A. P. Frye, chief engineer. Washington counsel, Fisher & Wayland. Washington consulting engineers, Commercial Radio Equipment Co.

CHICAGO — WEHS, licensed to WHFC Inc., 6138 W. Cermak Road, also licensee of AM station WHFC. Principals: Richard W. Hoffman, president-treasurer, 75% owner; Rose M. Hoffman (sister), secretary, 25%; Marie Clifford, v.p. and manager. Studio, 6138 W. Cermak Road, and at transmitter, Bankers Bldg., 105 W. Adams St. Assigned frequency, channel number and power, 100.1 mc (261), 12 kw (starting date, early in March). Height of antenna, 641 ft.; overall height above mean sea level, 1,236 ft. No separate rate card. Staff interchangeable with AM. Washington counsel, Louis G. Caldwell-Reed T. Rollo.

CHICAGO — WGNB, licensed to WGN Inc., 435 N. Michigan Ave., also licensee of AM station WGN. Subsidiary of Chicago Tribune. Studio and transmitter, 435 N. Michigan Ave. Assigned frequency, channel number and power, 98.9 mc (255), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 45.9 mc, 3 kw (continuing indefinitely). Height of antenna, 511 ft.; overall height above mean sea level, 1,092 ft. Make of new transmitter, GE; new antenna, Wincharger. Estimated cost of FM plant, $50,000 transmitter plant only; monthly cost of operation, $2,000. First went on air September, 1941. On air 7 hours or more daily, no duplication of AM programs. Publishes separate rate card. Staff. Marion Claire, director; Frank P. Schreiber, business manager; William A. McGuineas, commercial manager; Carl Meyer, chief engineer; G. William Lang, chief engineer for FM. Washington counsel, Louis G. Caldwell-Reed T. Rollo.

CHICAGO — †WWZR, licensed to Zenith Radio Corp., 6001 Dickens Ave., also holder of CP for commercial TV station WTZR. Principals: Comdr. E. F. McDonald Jr., president; Hugh Robertson, executive v.p. and treasurer; G. E. Gustafson, v.p.; J. E. Brown, assistant v.p. and chief engineer. Studio and transmitter, 135 LaSalle St. Assigned frequency, channel number and power, 98.5 mc (253), 12 kw (starting date undetermined). Old frequency and power, 45.1 mc, 50 kw (continuing indefinitely). Height of antenna, 600 ft.; overall height above mean sea level, 1,190 ft. Make of new transmit-

ter, Zenith; new antenna, Wincharger. Estimated cost of FM plant, $130,000; monthly cost of operation, $5,000. First went on air, Feb. 2, 1940. On air 18 hours daily. Staff: Ted Leitzell, manager; Ross Utter, chief engineer; Olive Wall, program director. Counsel, Herriott, Montgomery, Hart, Pritchard & Herriott (Irving Herriott).

INDIANA

EVANSVILLE — WMLL, licensed to Evansville on the Air Inc., 519 Vine St., also licensee of AM stations WGBF and WEOA, Evansville; same control as AM station WBOW, Terre Haute, Ind. Principals: Alvin Q. Eades, president; H. B. Walker Sr., v.p. and attorney; Clarence Leich, secretary-treasurer and manager; Pat Roper, program director. Studio, 519 Vine St.; transmitter, 203 NW Fifth St. Assigned frequency, channel number and power, 94.7 mc (264), 20 kw. Old frequency and power, 44.5, 10 kw. Height of antenna, 327 ft.; overall height above mean sea level, 707 ft. Estimated cost of FM plant, $23,200; monthly cost of operation, $500. First went on air, August, 1941. On air 6 hours daily. Publishes separate rate card. Consulting engineer, J. B. Caraway Jr.

FORT WAYNE — WOWO-FM, licensed to Westinghouse Radio Stations Inc., 925 S. Harrison St., also licensee of AM station WOWO and other stations. Principals etc., see KYW-FM, Philadelphia. Studio and transmitter, 925 S. Harrison St. Assigned frequency, channel number and power, 95.9 mc (240), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 44.9 mc, 1 kw (continuing indefinitely). Height of antenna, 500 ft.; overall height above mean sea level, 700 ft. Make of new transmitter, Westinghouse, new antenna, Westinghouse. Estimated cost of FM plant, $22,000; monthly cost of operation, $1,500. First went on air, Oct. 15, 1942. On air 6 hours daily, time duplicated with AM variable. No separate rate card. Staff interchangeable with AM: Paul Mills, station manager; Bruce Ratts, chief engineer.

INDIANAPOLIS — WABW, licensed to Associated Broadcasters Inc., 445 N. Pennsylvania Ave. Principals: Rudolph M. Crandall (manager of production control of Electronic Laboratories Inc.), president and 27.22% stockholder; Ben Tamney (formerly service manager of Rodefeld & Co., Zenith distributors), v.p., 13.6%; Thompson Kurrie (attorney), secretary, 13.6%; Myron J. McKee (president, Automobile Indemnities Inc.), treasurer, 34.02%; Martin R. Williams, chief engineer, 11.56%. Studio and transmitter, 445 N. Pennsylvania Ave. Assigned frequency, channel number and power, 94.9 mc (235), 20 kw (starting date, March or April, 1946). Old frequency and power, 47.3 mc, 1 kw (continuing indefinitely). Height of antenna, 330 ft.; overall height above mean sea level, 1,045 ft. Make of new transmitter, composite; new antenna, Blaw Knox-Federal (Zenith). Estimated cost of FM plant, $30,000; monthly cost of operation, $1,000. First went on air Oct. 1, 1945. On air 18 hours daily, plans for duplication with AM indefinite; probable tieup with newly authorized AM station in Indianapolis. Washington counsel, Fisher & Wayland.

SOUTH BEND — WSBF, licensed to the South Bend Tribune, 225 W. Colfax Ave., also licensee of AM station WSBT. Principals: F. A. Miller, president; Franklin Schurz, v.p.; Charles Crockett, secretary-treasurer. Studio, 225 W. Colfax Ave.; transmitter, west side of Ironwood Road between Jackson and Kern Roads, near South Bend. Assigned frequency, channel number and power, 101.3 mc (267), 20 kw (starting date undetermined). Old frequency and power, 47.1 mc, 500 watts (not continuing). Height of antenna, 500 ft. Make of new transmitter, RCA. Estimated cost of FM plant, $50,000. First went on air, May 10, 1943. No separate rate card. Staff: Franklin D. Schurz, manager; Robert J. Drain, program director; Herbert G. Cole, chief engineer. Washington counsel, Hogan & Hartson. Washington consulting engineer, John Barron.

LOUISIANA

BATON ROUGE — WBRL, licensed to Baton Rouge Broadcasting Co., Inc., 444 Florida St., also licensee of AM station WJBO; same ownership as Baton Rouge Advocate and State Times. Principals: Charles P. Manship Jr., president; H. Vernon Anderson, executive v.p.; Charles P. Manship, secretary-treasurer; J. Roy Dabadie, general manager. Studio, 444 Florida St.; transmitter, Roosevelt Road. Assigned frequency, channel number and power, 96.1 mc (241), 20 kw (starting date, Dec. 31, 1945). Old frequency and power, 44.5 mc, 1 kw (not continuing). Height of antenna, 500 ft.; overall height above mean sea level, 525 ft. Estimated cost of FM plant, $50,000; monthly cost of operation, $3,000. First went on air about May 15, 1941. On air 15 hours daily, no duplication of AM programs. Publishes separate rate card. Staff: J. Roy Dabadie, station manager; T. E. Gibbens, commercial manager; Ralph H. Sims, program director; Donald K. Allan, chief engineer. Washington counsel, Hogan & Hartson. Consulting engineer, H. Vernon Anderson, New Orleans.

MAINE

PORTLAND — WMTW, licensed to Yankee Network Inc., 21 Brookline Ave., Boston, Mass., also licensee of AM stations WNAC, Boston; WEAN, Providence; WAAB, Worcester; WICC, Bridgeport; and FM station WGTR, Worcester; also owns 100% of State Broadcasting Corp., licensee of WHTD, Hartford. Operates Yankee Network, regional hookup of New England stations. Yankee Network Inc. is 100% owned by General Tire & Rubber Co., Akron. Principals: John Shepard 3rd, chairman; William F. O'Neil (president of General Tire & Rubber Co.), president and treasurer; Linus Travers, executive v.p.; George W. Steffy, v.p. Studio, to be determined. Transmitter, Mt. Washington, Sargents Purchase, N. H. Assigned frequency, channel number and power, 98.1 mc (251), 10 kw (starting date, summer, 1946). Old frequency and power, 43.9 mc, 5 kw (not continuing). Height of antenna, 90 ft.; overall height above mean sea level, 6,300 ft. Estimated cost of FM plant, $290,000; monthly cost of operation, $4,000. First went on air, December 1940. On air 18 hours daily, duplication with AM not yet determined. Staff interchangeable with Yankee Network; I. B. Robinson, technical director. Washington counsel, Pierson & Ball. Washington consulting engineer, George C. Davis.

MICHIGAN

DETROIT — WENA, licensed to The Evening News Association, 4500 Penobscot Bldg., publisher of Detroit News and licensee of AM station WWJ. Principals: W. E. Scripps, president; William J. Scripps, radio director. Studio and transmitter, 4500 Penobscot Bldg. Assigned frequency, channel number and power, 96.9 mc (245), 10.5 kw (starting date April 1, 1946). Old frequency and power, 44.5 mc, 50 kw (continuing indefinitely). Height of antenna, 700 ft.; overall height above mean sea level, 1,300 ft. Make of new transmitter, REL; new antenna, Wincharger. Estimated cost of FM plant, $125,000; monthly cost of operation, $3,500. First went on air, May 9, 1941. On air 7 hours daily, one hour AM duplication per week. Publishes separate rate card. Staff interchangeable with AM: E. K. Wheeler, FM manager; C. H. Wesser, chief engineer; E. J. Love, technical director. Washington counsel, Spearman & Roberson.

DETROIT — WLOU, licensed to John Lord Booth, 10 Witherell St., also licensee of AM station WJLB. Mr. Booth is minority stockholder in Booth Newspapers of Michigan. Studio and transmitter, 10 Witherell St. Assigned frequency, channel number and power, 96.5 mc (243), 20 kw (starting date, February 1946). Old frequency and power, 44.9 mc, 10 kw. Height of antenna, 500 ft.; overall height above mean sea level, 1,220 ft. Make of new transmitter, RCA. Estimated cost of FM plant, $59,000; monthly cost of operation, $760. First went on air, May 11, 1940. On air 6 hours daily, no duplication of AM programs. Publishes separate rate card. Staff interchangeable with AM: John Lord Booth, manager; E. H. Clark, chief engineer; R. Davey, program director. Washington counsel, Louis G. Caldwell-Reed T. Rollo.

MASSACHUSETTS

BOSTON — WBZ-FM, licensed to Westinghouse Radio Stations Inc., 275 Tremont St., also licensee of AM station WBZ and other stations. Principals, etc., see KYW-FM, Philadelphia. Studio, 275 Tremont St. Transmitter, Newport Rd., Hull, Mass. Assigned frequency, channel number and power, 100.7 mc (264), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 46.7 mc, 10 kw (continuing indefinitely). Height of antenna, 500 ft.; overall height above mean sea level, 510 ft. Make of new transmitter, Westinghouse; new antenna, Westinghouse. Estimated cost of FM plant, $36,500; monthly cost of operation, $3,000. First went on air, July 1941. On air 6 hours daily, time duplicated with AM variable. No separate rate card. Staff interchangeable with AM: W. C. Swartley, manager; W. H. Hauser, chief engineer.

SPRINGFIELD — WBZA-FM, licensed to Westinghouse Radio Stations Inc., Hotel Kimball, also licensee of AM station WBZA and other stations. Principals, etc., see KYW-FM, Philadelphia. Studio, Hotel Kimball; transmitter, 625 Page Blvd., E. Springfield, Mass. Assigned frequency, channel number and power, 97.1 mc (246), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 48.0 mc, 1 kw (continuing indefinitely). Height of antenna, 500 ft.; overall height above mean sea level, 585 ft. Make of new transmitter, Westinghouse; new antenna, Westinghouse. Estimated cost of FM plant, $6,878; monthly cost of operation, $1,500. First went on air, Aug. 29, 1939. On air 6 hours daily, time duplicated with AM variable. No separate rate card. Staff interchangeable with AM: W. C. Swartley, station manager; H. E. Randol, chief engineer.

WORCESTER — WGTR, licensed to Yankee Network Inc., 32 Mechanic St., licensee of AM station WAAB and other stations. Principals, etc., see WMTW, Portland, Me. Studio, 32 Mechanic St. Transmitter, Paxton, Mass. Assigned frequency, channel number and power, 103.1 mc (276), 9.5 kw (starting date, February 1946). Old frequency and power, 44.3 mc, 50 kw (continuing indefinitely). Height of antenna, 200 ft.; overall height above mean sea level, 1,400 ft. Estimated cost of FM plant, $223,000; monthly cost of operation, $2,400. First went on air, July 1939. On air 18 hours daily, duplication with AM undetermined.

WORCESTER — WTAG-FM, licensed to WTAG Inc., 20 Franklin St., also licensee of AM station WTAG. Same interests publish Worcester Telegram & Gazette. Principals: George F. Booth, president; Edward E. Hill, executive v.p.; Robert W. Booth, v.p. & general manager; Howard M. Booth, treas; Frank C. Smith Jr., clerk. Studio, 20 Franklin St.; transmitter, Shrewsbury St., Holden, Mass., until moved to Little Asnebumskit Hall, Paxton, Mass., scheduled for summer, 1946. Assigned frequency, channel number and power, 102.7 mc (274), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 46.1 mc, 1 kw (not continuing). Height of projected antenna, 165 ft.; overall height above mean sea level, 1,600 ft. Make of new transmitter, GE. Estimated cost of FM plant, $63,160, includes $50,000 for projected transmitter building and antenna; monthly cost of operation, $900. First went on air, June 17, 1940. On air 6 hours daily, 1½ hours duplicated with AM. No separate rate card. Staff interchangeable with AM: E. A. Browning, chief engineer. Washington counsel, Hogan & Hartson. Washington consulting engineers, Jansky & Bailey.

MINNESOTA

DULUTH-SUPERIOR — WDUL, licensed to Head of the Lakes Broadcasting Co., Fourth Ave. W. & Superior St., Duluth. Same ownership as AM stations WEBC, Duluth; WMFG, Hibbing, Minn.; WHLB, Virginia, Minn. Officers: Morgan Murphy, president; E. P. Dupont, v.p.; Walter C. Bridges, secretary-treasurer. Mr. Murphy also publishes Superior (Wis.) Telegram, and has interest in Manitowoc Herald-Times, Chippewa Falls Herald-Telegram, Two Rivers Reporter, all in Wisconsin; and Lafayette (La.) Advertiser. He also has interests in WEAU, Eau Claire, Wis., and KVOL, Lafayette, La. Studio and transmitter, 39th and Tower Ave., Superior, Wis. Assigned frequency, channel number and power, 92.3 mc (222), 20 kw, 70 kw to be requested (starting date, Nov., 1945). Old frequency and power, 44.5 mc, 1 kw (not continuing). Height of antenna, 500 ft.; overall height above mean sea level, 1,720 ft. Make of new transmitter, RCA; new antenna, GE. Estimated cost of FM plant, $75,000; monthly cost of operation, $1,200. First went on air, April 8, 1940. On air 12 hours daily, 8 hours duplication with AM programs. Publishes separate rate card. Staff: W. C. Bridges, manager; C. B. Persons, chief engineer. Washington counsel, Loucks & Scharfeld.

MISSOURI

KANSAS CITY — KMBC-FM, licensed to Midland Broadcasting Co., Pickwick Hotel, also licensee of AM station KMBC. Principals: Arthur B. Church, president, general manager and chief owner; Karl Koerper, v.p. and managing director; Robin Compton, technical director; A. R. Moler, chief engineer. Studio, Pickwick Hotel; transmitter, Power & Light Bldg. Assigned frequency, channel number and power, 97.9 mc (250), 20 kw (starting date, Dec. 31, 1945). Old frequency and power, 46.5 mc, 1.5 kw (continuing indefinitely). Height of antenna, 461 ft.; overall height above mean sea level, 1,327 ft. Make of new transmitter, RCA; new antenna, RCA. Estimated cost of FM plant, $40,000. First went on air as W9XER experimental, 1941; as KMBC-FM commercial, June 1944. On air 6 hours daily, duplicates AM programs. No separate rate card. Washington counsel, Loucks & Scharfeld. Washington consulting engineers, Jansky & Bailey.

KANSAS CITY — †KOZY, licensed to Everett L. Dillard tr/as Commercial Radio Equipment Co., 1013 Porter Bldg. Mr. Dillard is sole owner; company also manufactures quartz crystals, conducts frequency measuring service and engages in consulting engineering practice. Studio and transmitter, 1013 Porter Bldg. Assigned frequency, channel number and power, 99.9 (260), 20 kw (starting date Feb. 4, 1946). Old frequency and power, 44.9 mc, 1.35 kw (not continuing). Height of antenna, 205 ft.; overall height above mean sea level, 1,120 ft. Make of new transmitter, CRECO; new antenna, CRECO. Estimated cost of FM plant, $12,000; monthly cost of operation, $1,000. First went on air, Aug. 16, 1942. Staff: Elizabeth Whitehead, station director; Robert F. Wolfskill, station manager; Milton W. Woodward, chief engineer; C. O. Simmons, asst. chief engineer.

NEW JERSEY

ALPINE — †WFMN, licensed to Maj. Edwin H. Armstrong, 435 E. 52nd St., New York City, inventor of FM and professor of electrical engineering, Columbia University. Transmitter and studio, Route 9W, Alpine, across Hudson River from Yonkers, N. Y. Assigned frequency, channel number and power, 98.9 mc (255), 6 kw (starting date undetermined). Old frequency and power, 43.1 mc, 55.6 kw (continuing indefinitely). Height of antenna, 466 ft.; overall height above mean sea level, 966 ft. Estimated cost of installation, more than $500,000. First went on air as W3XMN, 1939. On air 6-10 hours daily, programmed by Muzak. Publishes no rate card. Chief engineer, Perry Robinson. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Jansky & Bailey. (Note: Maj. Armstrong also holds special experimental license for W2XMN, 42.8 mc, 40 kw, same transmitter as WFMN with special emission pending commencement of operation of WFMN in accordance with license terms.)

NEWARK — WAAW, construction permit issued to Bremer Broadcasting Corp., 11 Hill St., also licensee of AM station WAAT. Principals: Irving R. Rosenhaus, president & station manager; Frank V. Bremer, chief engineer. Studio, 15 Hill St. Transmitter, corner Mt. Pleasant & Marcella Aves., West Orange, N. J. Assigned frequency, channel number and power, 95.7 mc (239), 20 kw (starting date, Aug. 1, 1946). Height of antenna, 130 ft.; overall height above mean sea level, 800 ft. Make of new transmitter, GE; new antenna, GE. Estimated cost of FM plant, $75,000. Plans to be on air 12 hours daily. Washington counsel, Segal, Smith & Hennessey. Washington consulting engineer, Glenn D. Gillett.

NEW YORK

BINGHAMTON — WNBF-FM, licensed to Wylie B. Jones Advertising Agency, 60 Exchange St., also licensee of AM station WNBF. Principals: John C. Clark (president of Clark-Cleveland Inc., pharmaceutical manufacturers, and president of Hialeah Race Courses Inc., Miami), president; John C. Clark Jr., v.p.; Carleton A. Cleveland, v.p.; B. W. Heimer, secretary; Cecil D. Mastin, manager. Studio, 134 Chenango St. Transmitter, near Binghamton. Assigned frequency, channel number and power, 96.3 mc (242), 10.5 kw. Old frequency and power, 44.9 mc, 3 kw (continuing indefinitely). Height of antenna, 72 ft.; overall height above mean sea level, 1,837 ft. Make of new transmitter, REL; new antenna, composite. Estimated cost of FM plant, $33,020; monthly cost of operation, $985. First went on air, August 1942. Approximately 1 hour per day duplicated with AM programs. Staff: Lester H. Gilbert, chief engineer. Washington counsel, Davies, Richberg, Beebe, Busick & Richardson. Washington consulting engineers, Jansky & Bailey.

NEW YORK CITY — WABC-FM, licensed to Columbia Broadcasting System, 485 Madison Ave., also licensee of AM stations WABC, New York; WTOP, Washington; WBBM, Chicago; WEEI, Boston; KMOX, St. Louis; WCCO, Minneapolis; KNX, Los Angeles; FM station WBBM-FM, Chicago; TV station WCBW, New York. Principals: William S. Paley, chairman; Paul W. Kesten, vice chairman; Frank Stanton, president; and other executives of CBS. Studio, 485 Madison Ave.; transmitter, 500 Fifth Ave. (Chrysler Bldg.). Assigned frequency, channel number and power, 96.9 mc (245), 5 kw. Old frequency and power, 46.7 mc, 3 kw (not continuing). Height of antenna, 800 ft.; overall height over mean sea level, 850 ft. Make of new transmitter, modified GE. Estimated cost of FM plant, $149,500; monthly cost of operation, $7,200. First went on air, Dec. 1, 1941. Staff interchangeable with WABC: A. H. Hayes, manager; R. G. Thompson, manager of technical operations, Eastern Division; A. B. Chamberlain, chief engineer CBS; Henry Grossman, director of technical operations CBS.

NEW YORK CITY — †WABF, licensed to Metropolitan Television Inc., 654 Madison Ave. Principals: Federated Stores Inc., operating department stores Bloomingdale Bros., New York; Abraham & Strauss, Brooklyn; Wm. Filene's Sons Co., Boston; John Shillito Co., Cincinnati; F. & R. Lazarus & Co., Columbus, O.; Foley Brothers, Houston, Tex. Officers of Federated Stores Inc.: Lincoln Filene, chairman; E. C. Blum, vice-chairman; Fred Lazarus Jr., president; Walter Rothschild, v.p.; H. D. Hodgkinson, treasurer; Jacob J. Kaplan, secretary. Studio, 654 Madison Ave.; transmitter, 795 Fifth Ave. Assigned frequency, channel number and power, 98.5 mc (253), 15 kw (starting date, Feb. 1, 1946). Old frequency and power, 47.5 mc, 1 kw (continuing indefinitely). Height of antenna, 563 ft. Make of new transmitter, WE. Estimated cost of FM plant, $69,500; monthly cost of operation, $8,779. First went on air, Nov. 2, 1942. On air 12 hours daily. Staff: Ira A. Hirschmann, v.p. in charge; L. L. Thompson, manager; Theodore B. Grenier, chief engineer; Anita DeMars, program director. Washington counsel, Cramer & Haley. Washington consulting engineers, Kear & Kennedy.

NEW YORK CITY — WBAM, licensed to Bamberger Broadcasting Service Inc., 1440 Broadway, also licensee of WOR. Controlled by L. Bamberger & Co., Newark department store, which is owned by R. H. Macy Inc., department store. Bamberger Broadcasting Service Inc. executives: Alfred J. McCosker, chairman; Theodore C. Streibert, president; Jack Poppele, v.p. and chief engineer; Norman Livingston, program director. Studio, 1440 Broadway; transmitter, 444 Madison Ave. Assigned frequency, channel number and power, 96.5 mc (243), 15 kw. Old frequency and power, 47.1 mc, 10 kw (not continuing). Height of antenna, 640 ft.; overall height above mean sea level, 640 ft. Make of new transmitter, WE; new antenna, WE. Estimated cost of FM plant, $125,000; monthly cost of operation, $3,200. First went on air, Sept. 27, 1940. On air 16 hours daily. Publishes separate rate card. Washington counsel, Frank D. Scott. Washington consulting engineer, George C. Davis.

NEW YORK CITY — WEAF-FM, licensed to National Broadcasting Co., 30 Rockefeller Plaza, also licensee of AM stations WEAF, New York City; WRC, Washington; WTAM, Cleveland; WMAQ, Chicago; KOA, Denver; KPO, San Francisco; TV station WNBT, New York. Wholly owned subsidiary of RCA. Chief executives: David Sarnoff, chairman; Niles Trammell, president; Frank Mullen, executive v.p.; O. B. Hanson, chief engineer; and other executives of NBC. Studios: 30 Rocke-

feller Plaza and Empire State Bldg.; transmitter, Empire State Bldg. Assigned frequency, channel number and power, 97.3 mc (247), 1.6 kw (starting date, Jan. 16, 1946). Old frequency and power, 45.1 mc, 1 kw (not continuing). Height of antenna, 1,250 ft.; overall height above mean sea level, 1,250 ft. Make of new transmitter, RCA; new antenna, RCA. Estimated cost of FM plant, $28,250; monthly cost of operation, $7,200. First went on air, Aug. 8, 1944. No separate rate card. Washington counsel, Cahill, Gordon, Zachry & Reindel (G. B. Margraf).

NEW YORK CITY — †WGHF, licensed to Capt. William G. H. Finch, 10 E. 40th St, (call letters formerly WFGG). Capt. Finch is licensee of experimental station W2XBF and president of Finch Telecommunications Inc. Studio and transmitter, 10 E. 40th St. Assigned frequency, channel number and power, 99.7 mc (259), 7.2 kw (starting date, Jan. 20, 1946). Old frequency and power, 45.5 mc, 10 kw (not continuing). Height of antenna, 700 ft. Make of new transmitter, WE; new antenna, Finch "Rocket." Estimated cost of FM plant, $100,000; monthly cost of operation, $5,000. On air 12 hours daily. Staff: Capt. W. G. H. Finch, manager; Herbert C. Florance, chief engineer. Washington counsel, Cramer & Haley. Washington consulting engineers, Raymond M. Wilmotte Inc.

NEW YORK CITY — †WGYN, licensed to Muzak Radio Broadcasting Station Inc., 70 Pine St. Owned one-third each by Muzak Corp; C. E. Merrill (Merrill, Lynch, Pierce, Fenner & Beane); Capt. P. K. Leberman, 85% owner of KRSC, Seattle. Studio and transmitter, 70 Pine St. Assigned frequency, channel number and power, 96.1 mc (241), 4 kw (starting date, Jan. 10, 1946). Old frequency and power, 44.7 mc, 3 kw (not continuing). Height of antenna, 910 ft.; overall height above mean sea level, 910 ft. Estimated cost of FM plant, $30,600; monthly cost of operation, $2,500. First went on air, Dec. 11, 1941. On air 6 hours daily; programmed by Muzak Corp. Staff: Capt. P. K. Leberman, manager; Harvey Anhalt, chief engineer. Washington counsel, Hogan & Hartson. Washington consulting engineers, Raymond M. Wilmotte Inc.

NEW YORK CITY — WHNF, licensed to Marcus Loew Booking Agency, 1540 Broadway, also licensee of AM station WHN. Wholly owned subsidiary of Loew's Inc. (Metro-Goldwyn-Mayer); Herbert L. Pettey, executive director. Studios, 1540 Broadway and at Cliffside Park, N. J.; transmitter, Palisades Ave., Cliffside Park, N. J. Assigned frequency, channel number and power, 99.3 mc (257), 20 kw (starting date, Feb. 21, 1946). Old frequency and power, 46.3 mc, 10 kw (not continuing). Height of antenna, 400 ft.; overall height above mean sea level, 610 ft. Make of new transmitter, WE; new antenna, WE. Estimated cost of FM plant, $75,000; monthly cost of operation, $3,000. First went on air June 1, 1942. On air 12 hours daily. Publishes separate rate card. Staff: Frank Roehrenbeck, manager; Bert Lebhar, sales manager; Paul Fuelling, chief engineer. Washington counsel, Kremer & Bingham. Washington consulting engineers, Jansky & Bailey.

NEW YORK CITY — WNYC-FM, licensed to City of New York Municipal Broadcasting System, Center & Chambers Sts. Owned by City of New York, also licensee of non-commercial AM station WNYC. Studio, Center & Chambers Sts.; transmitter, Center & Duane Sts. Assigned frequency, channel number and power, 94.5 mc (233), 15 kw. Old frequency and power, 43.9 mc, 1 kw. Height of antenna, 565 ft.; overall height above mean sea level, 565 ft. Estimated cost of FM plant, $12,000. First went on air, Sept. 21, 1943. Washington consulting engineers, Raymond M. Wilmotte Inc.

NEW YORK CITY — WQXQ, licensed to Interstate Broadcasting Co., 730 Fifth Ave., also licensee of AM station WQXR. Wholly owned by New York Times. Executives: John V. L. Hogan, president; Elliot M. Sanger, executive v.p.; John S. Hayes, manager, Russell D. Valentine, chief engineer. Studio, 730 Fifth Ave.; transmitter, 122 E. 42nd St. Assigned frequency, channel number and power, 97.7 mc (249), 11.5 kw (starting date, February 1946). Old frequency and power, 45.9 mc, 1 kw (continuing indefinitely). Height of antenna, 687.5 ft.; overall height above mean sea level, 747.5 ft. Make of new transmitter, WE; new antenna, RCA. Estimated cost of FM plant, $55,000; monthly cost of operation, $1,400. First went on air, Nov. 8, 1939. On air 7 hours daily, duplicating AM programs. No separate rate card. Staff interchangeable with AM. Washington counsel, Loucks & Scharfeld.

ROCHESTER — WHEF, licensed to WHEC Inc., 40 Franklin St., also licensee of AM station WHEC. 60% owned by Gannett Co. Inc. (Frank E. Gannett), publisher of Rochester Times-Union and Democrat & Chronicle and other newspapers; Gannett also holds interest in AM stations WENY, Elmira, N. Y.; WTHT, Hartford, Conn.; WOKO and WABY, Albany; WDAN, Danville, Ill.; WHDL, Olean, N. Y. Studio, 40 Franklin St.; transmitter, 979 Mt. Read Blvd. Assigned frequency, channel number and power, 98.5 mc (253), 20 kw (starting date, January, 1946). Old frequency and power, 44.7 mc, 3 kw (continuing indefinitely). Height of antenna, 320 ft., may be increased to 500 ft.; overall height above mean sea level, 830 ft. Estimated costs, undetermined. First went on air, experimentally, Feb. 1, 1940; commercially, November 1943. On air 18 hours daily. Plans to publish separate rate card. Personnel interchangeable with AM: Clarence Wheeler, v.p. and with wife 30% stockholder; Gunnar O. Wiig, general manager; William J. Adams, program manager; B. C. O'Brien, chief engineer. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Ring & Clark.

ROCHESTER — WHFM, licensed to Stromberg-Carlson Co., Sheraton Hotel, also licensee of AM station WHAM and manufacturers of radio sets, etc. Principals: Wesley M. Angle, president; Ray H. Manson, v.p. and general manager; Lee McCann, secretary. Studio, Sheraton Hotel; transmitter, Rochester Gas & Electric Bldg., 89 East Ave. Assigned frequency, channel number and power, 98.9 mc (255), 20 kw (starting date, Dec. 1, 1945). Old frequency and power, 45.1 mc, 3 kw (continuing indefinitely). Height of antenna, 210 ft. (temporary); overall height above mean sea level, 735 ft. Estimated cost of FM plant, $20,000; monthly cost of operation, $1,500. First went on air, Oct. 15, 1945. On air 15 hours daily. Publishes separate rate card. Personnel interchangeable with AM: William Fay, v.p. and general manager; George S. Driscoll, asst. general manager; K. J. Gardner, chief engineer. Washington counsel, Segal, Smith & Hennessey.

SCHENECTADY — †WBCA, licensed to Capitol Broadcasting Co., Inc., 408 State St. Officers: James E. Cushing (contractor), chairman; Leonard L. Asch (former General Electric sales promotion executive), president; Harold E. Blodgett (attorney), secretary-treasurer. Studio, 408 State St.; transmitter, Beaver Dam Road, New Scotland, N. Y. Assigned frequency, channel number and power, 101.1 mc (266), 6 kw (starting date, May 1, 1946). Old frequency and power, 44.7 mc, 1 kw (continuing indefinitely). Height of antenna, 150 ft.; overall height above mean sea level, 1,600 ft. Make of new transmitter, GE; new antenna, GE. Estimated cost of FM plant, $23,150; monthly cost of operation, $2,500. First went on air, July 17, 1941. On air 16 hours daily. Staff: Leonard L. Asch, manager; Dwelle S. Hoag, chief engineer; Glen E. Walrath, program director; Vivian Mongillo, commercial manager.

SCHENECTADY — WGFM, licensed to General Electric Co., 1 River Road, also licensee of AM station WGY and TV station WRGB. Studio, 1 River Road; transmitter, New Scotland, N. Y. Assigned frequency, channel number and power, 100.7 mc (264), 6 kw. Old frequency and power, 48.5 mc, 3 kw. Height of antenna, 100 ft.; overall height above mean sea level, 1,616 ft. Make of new transmitter, GE; new antenna, GE. First went on air, Feb. 6, 1940. Executive personnel: R. S. Peare, v.p. in charge of broadcasting; B. J. Rowan, asst. manager, broadcasting; G. Emerson Markham, station manager; W. J. Purcell, chief engineer.

NORTH CAROLINA

WINSTON-SALEM — WMIT, licensed to Gordon Gray, P.O. Box 2093, president of Piedmont Publishing Co., licensee of AM station WSJS and publisher of Winston-Salem Journal and Twin City Sentinel. Studio, WSJS-WMIT Bldg.; transmitter, Clingman's Peak, adjacent to Mt. Mitchell. Assigned frequency, channel number and power, 97.3 mc (247), 200 kw (starting date, Jan. 1, 1946). Old frequency and power, 44.1 mc, 50 kw (continuing indefinitely). Height of antenna, 200 ft.; overall height above mean sea level, 6,771 ft. Make of new transmitter, REL 1 kw converter (temporary). Estimated cost of plant, $130,000; monthly cost of operation, $4,000. First went on air, June 1, 1942. On air 8¼ hours daily (temporary), no duplication of AM programs. Publishes separate rate card. Executives: Gordon Gray, president; Harold Essex, v.p. in charge of radio; Paul Dillon, chief engineer. Counsel, James Lawrence Fly, New York. Washington consulting engineers, Lohnes & Culver.

OHIO

COLUMBUS — WELD, licensed to RadiOhio Inc., 33 N. High St., also licensee of AM station WBNS. Principals: Edgar T. Wolfe, chairman and 28% stockholder, also publisher of Ohio State Journal and v.p. of Columbus Dispatch; Richard S. Wolfe, president, 24% stockholder; Richard A. Borel, executive v.p. and secretary-treasurer; Lester H. Nafzger, v.p. in charge of technical operations; Robert Wolfe, director, 24%. Studio, 33 N. High St.; transmitter, 1035 Barnett Road (auxiliary, 50 W. Broad St.). Assigned frequency, channel number and power, 94.5 mc (233), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 44.5 mc, 5 kw (continuing indefinitely). Height of antenna, 385 ft.; overall height above mean sea level, 1,130 ft. Make of new transmitter, Federal; new antenna, Federal. Estimated cost of FM plant, $100,000; monthly cost of operation, $3,000. First went on air, March 29, 1940. On air 12-16 hours daily, some duplication with AM programs. Plans to publish separate rate card. Staff: Herb Welch, program manager; James Yerian, promotion manager. Washington counsel, Dow, Lohnes & Albertson.

PENNSYLVANIA

PHILADELPHIA — KYW-FM, licensed to Westinghouse Radio Stations Inc., 1619 Walnut St., subsidiary of Westinghouse Electric Co. Broadcasting executives: Walter Evans, v.p. in charge of radio, with headquarters at 2519 Wilkins Ave., Baltimore; John B. Conley, general manager of all stations; John A. Holman, manager of FM broadcasting. Westinghouse Radio Stations Inc. is also licensee of AM-FM stations KYW, Philadelphia; WBZ and WBZ-FM, Boston; WBZA and WBZA-FM, Springfield, Mass.; KDKA and KDKA-FM, Pittsburgh; WOWO and WOWO-FM, Fort Wayne; KEX, Portland, Ore. KYW-FM studio, 1619 Walnut St.; transmitter, 17th & Sansom Sts. Assigned frequency, channel number and power, 100.3 mc (262), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 45.7 mc, 10 kw (continuing indefinitely). Height of antenna, 500 ft.; overall height above mean sea level, 560 ft. Make of new transmitter, Westinghouse; new antenna, Westinghouse. Estimated cost of FM plant, $41,800; monthly cost of operation, $3,500. First went on air, Oct. 5, 1942. On air 6 hours daily, duplication with AM programs variable. No separate rate card. Staff interchangeable with AM: Leslie W. Joy, manager; I. N. Eney, chief engineer; William C. Ellsworth, technical supervisor. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Ring & Clark.

PHILADELPHIA — WCAU-FM, licensed to WCAU Broadcasting Co., 1622 Chestnut St., also licensee of AM station WCAU. Dr. Leon Levy and Isaac D. Levy, controlling stockholders, also major stockholders in CBS. Studio, 1622 Chestnut St. Transmitter, 1616 Walnut St. (to be moved to Broad & Spring Garden Sts.). Assigned frequency, channel number and power, 102.7 mc (274), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 46.9 mc, 10 kw (not continuing). Height of antenna, 554 ft.; overall height above mean sea level, 607 ft. Estimated cost of FM plant, $44,000; monthly cost of operation, $1,300. First went on air, Dec. 1, 1941. On air 6 hours daily. Staff: Norris West, director of FM; George Lewis, chief engineer.

PHILADELPHIA — WFIL-FM, licensed to Triangle Publications Inc. (Philadelphia Inquirer Division), Widener Building, also licensee of AM station WFIL. Principals: Walter H. Annenberg, president; Joseph First, v.p. and secretary; S. C. Annenberg, treasurer; Roger W. Clipp, v.p. and manager. Studio and transmitter, Juniper & Chestnut Sts. Assigned frequency, channel number and power, 99.9 mc (260), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 45.3 mc, 10 kw (continuing indefinitely). Height of antenna, 275 ft. Make of transmitter, RCA. Estimated cost of FM plant, $62,420; monthly cost of operation, $1,044. First went on air, Nov. 10, 1941. On air 6 hours daily, no present duplication with AM. Staff: Kenneth W. Stowman, asst. station manager; Louis E. Littlejohn, chief engineer; Felix Meyer, program director. Washington counsel, Segal, Smith & Hennessey. Washington consulting engineers, Lent & Poast.

PHILADELPHIA — WIBG-FM, construction permit issued to Seaboard Radio Broadcasting Corp., 1425 Walnut St., also licensee of AM station WIBG. Principals: John B. Kelly (contractor), chairman and 24% stockholder; Paul F. Harron, president, 25%; Joseph Lang, director, 25%; Anthony D. Drexel Biddle (diplomat), director, 24%; John Morgan Davis (attorney and controlling stockholder in WALL, Middletown, N.Y.), v.p.; Joseph G. Lynch (attorney), director. Studio and transmitter, Ford Road & Edgley & Windemere Aves. Assigned frequency, channel number and power, 97.1 mc (246), 20 kw. Height of antenna, 270 ft.; overall height above mean sea level, 596 ft. Estimated cost of FM plant, $74,000; monthly cost of operation, $1,200. Staff interchangeable with AM: E. D. Clery, general manager; John H. Henninger, chief engineer; Rupe Werling, production manager; Douglas Arthur, program director. Washington counsel, Dow, Lohnes & Albertson. Consulting engineers, Paul Godley Co.

PHILADELPHIA — WIP-FM, licensed to Pennsylvania Broadcasting Co., 35 S. Ninth St., also licensee of AM station WIP. Stock owned by Gimbel Bros. Inc. (department store) also owners of stores in New York, Milwaukee and Vincennes, Ind. Officers: Ellis A. Gimbel, chairman; Benedict Gimbel Jr., president; Edward A. Davis, v.p.; Raymond A. Filske, treasurer; A. Arthur Miller, secretary. Studio and transmitter, 35 S. Ninth St. Assigned frequency, channel number and power, 97.5 mc (248), 18 kw (starting date, Jan. 25, 1946). Old frequency and power, 44.9 mc, 3 kw (not continuing). Height of antenna, 500 ft.; overall height above mean sea level, 540 ft. Make of new transmitter, WE; new antenna, RCA. Estimated cost of FM plant, $48,500; monthly cost of operation, $1,000. First went on air, April 20, 1942. On air 6 hours daily, 5 duplicated with AM programs. Publishes separate rate card. Staff: Benedict Gimbel Jr., manager; James M. Tisdale, chief engineer; Clifford C. Harris, technical supervisor. Washington counsel, Dow, Lohnes & Albertson.

PHILADELPHIA — WPEN-FM, licensed to William Penn Broadcasting Co., 1528 Walnut St., also licensee of AM station WPEN. Owned by Philadelphia Bulletin. Officers: Robert McLean, president; William L. McLean Jr., v.p. and treasurer; Richard W. Slocum, secretary. Studio and transmitter, 1528 Walnut St. Assigned frequency, channel number and power, 99.5 mc (258), 20 kw (starting date, Jan. 1, 1946). Old frequency and power, 47.3 mc, 3 kw (not continuing). Height of antenna, 520 ft (temporary); overall height above mean sea level, 560 ft. Estimated cost of FM plant, $25,000; monthly cost of operation, $1,000. First went on air, June 6, 1942. Executives: G. Bennett Larson, manager; Edward C. Obrist, assistant manager; Charles Burtis, chief engineer. Washington counsel, Pierson & Ball. Washington consulting engineer, George C. Davis.

PITTSBURGH — KDKA-FM, licensed to Westinghouse Radio Stations Inc., 310 Grant St. Principals etc., see KYW-FM, Philadelphia. Studio, 310 Grant St.; transmitter, Clearview Rd., Allison Park, Pa. Assigned frequency, channel number and power, 94.1 mc (231), 6.5 kw (starting date, Jan. 1, 1946). Old frequency and power, 47.5 mc, 3 kw (continuing indefinitely). Height of antenna, 783 ft.; overall height above mean sea level, 1,943 ft. Make of new transmitter, Westinghouse; new antenna, Westinghouse. Estimated cost of FM plant, $34,000; monthly cost of operation, $3,000. First went on air, April 11, 1942. On air 6 hours daily, duplication with AM variable. No separate rate card. Staff interchangeable with AM: J. E. Baudino, manager; T. C. Kenney, chief engineer.

PITTSBURGH — WMOT, licensed to WWSW Inc., 212 Wood St., also licensee of AM station WWSW. Same ownership as Pittsburgh Post-Gazette (Paul Block Associates Inc.). Officers: Frank R. Smith, president and general manager; Oliver J. Keller, v.p.; Paul Bauman, secretary-treasurer; Henry Kaiser, chief engineer; Marie Wilk, program director. Studio, 212 Wood St.; transmitter, 341 Rising Main St. Assigned frequency, channel number and power, 94.5 mc (233), 20 kw (starting date, Feb. 15, 1946). Old frequency and power, 44.7 mc, 3 kw (not continuing). Height of antenna, 350 ft.; overall height above mean sea level, 1,550 ft. Make of new transmitter, GE; new antenna, GE. Estimated cost of FM plant, $19,700; monthly cost of operation, $700. First went on air, Aug. 1, 1941. On air 12 hours daily, 8 duplicated with AM programs. Publishes separate rate card. Washington counsel, Segal, Smith & Hennessey.

TENNESSEE

NASHVILLE — WSM-FM, licensed to National Life & Accident Insurance Co., Seventh Ave. & Union St., also licensee of AM station WSM. Officers: E. W. Craig, president; J. M. Peebles, general counsel; Douglas Henry, associate general counsel. Studio, Seventh Ave. & Union St.; transmitter, 6 miles north of Franklin, Tenn. Assigned frequency, channel number and power, 100.1 mc (261), 8.5 kw (starting date, April, 1946). Old frequency and power, 44.7 mc, 20 kw (continuing for 6 months). Height of antenna, 720 ft.; overall height above mean sea level, 1,320 ft. Estimated cost of FM plant, $21,000; monthly cost of operation, $1,500. First went on air, March 15, 1941. On air 12 hours daily. Publishes separate rate card. Staff interchangeable with AM: Harry Stone, manager; George Reynolds, chief engineer; G. T. Stewart, program director. Washington counsel, Louis G. Caldwell-Reed T. Rollo. Consulting engineers, Ring & Clark.

UTAH

SALT LAKE CITY — KSL-FM, construction permit issued to Radio Service Corp. of Utah, 10 S. Main St., also licensee of AM station KSL. Principals: 50% owned by Corporation of the President of the Church of Jesus Christ of Latter Day Saints (Mormon); 13% by Salt Lake Tribune Publishing Co., publisher of Salt Lake Tribune and Telegram. Officers: J. Reuben Clark, president; John E. Fitzpatrick (publisher of the newspapers), v.p.; Earl I. Glade, executive v.p. Church also owns minority interest in AM stations KGMB, Honolulu, and KHBC, Hilo, Hawaii. Studio and transmitter, to be determined. Assigned frequency, channel number and power, 100.1 mc (261), 8.5 kw. Estimated cost of plant, $25,000. Plan to operate commercially. Washington counsel, Ernest L. Wilkinson. Consulting engineers, Ring & Clark.

WISCONSIN

MILWAUKEE — WTMJ-FM, licensed to The Journal Co. (Milwaukee Journal), 333 W. State St., also licensee of AM station WTMJ and holder of CP for TV station WMJT. Principals: Harry J. Grant, chairman; J. D. Ferguson, president; Walter J. Damm, v.p. and general manager of radio; P. B. Laeser, chief engineer. Studio, 720 E. Capitol Drive; transmitter, Richfield, Wis. Assigned frequency, channel number and power, 92.3 mc (222), 20 kw (starting date, Dec. 30, 1945; application pending to change from Metropolitan to Rural). Old frequency and power, 44.5 mc, 50 kw (continuing indefinitely). Height of antenna, 570 ft.; overall height above mean sea level, 1,630 ft. Make of new transmitter, REL; new antenna, RCA. Estimated cost of FM plant, $157,600; monthly cost of operation, $34,000. First went on air, Feb. 22, 1942. On air 18 hours daily, no duplication with AM programs. Publishes separate rate card. Washington counsel, Hogan & Hartson.

Developmental Broadcast Stations Authorized as of March 15, 1946

This directory revises and brings up to date Supplement No. 5. Frequencies are assigned from time to time by FCC chief engineer. Types of emission are as follows: A-O, Continuous waves, no signaling; A-1, Telegraphy, pure, continuous wave; A-2, Telegraph, modulated to musical frequency; A-3, Commercial Telephony; A-4, Facsimile; A-5, Television. Dagger (†) indicates station has no AM broadcasting affiliation.

ALABAMA

BIRMINGHAM — W4XAP, licensed to Voice of Alabama Inc., 2029 First Ave. No., also licensee of AM station WAPI. Principals: Ed Norton, chairman of the board; Thad Holt, president and treasurer; Jessie S. Norton, secretary. Mr. Norton is also 51% stockholder in WMBR, Jacksonville, Fla., and 28% stockholder in WFOY, St. Augustine, Fla. CBS owns 450 shares out of total of 997 in voting trust agreement with Mr. Norton and Mr. Holt. Type of emission, A-0 and special for FM. Power, 250 watts. Estimated cost of plant, $2,000. Height of antenna, 45 ft. Washington counsel, Andrew W. Bennett.

BIRMINGHAM — W4XFM, licensed to Voice of Alabama Inc. Data same as for W4XAP above except power, 1,000 watts; estimated cost of plant, $10,500; height of antenna, 50-75 ft.

COLORADO

DENVER — W9XLA, licensed to KLZ Broadcasting Co., Shirley-Savoy Hotel, 17th Ave. & Lincoln St., also licensee of AM station KLZ. Principals: E. K. Gaylord, president; Edgar T. Bell, v.p., treasurer and general manager; Herbert M. Peck, secretary. Same interests also control WKY, Oklahoma City; KVOR, Colorado Springs; Oklahoma City Times and Daily Oklahoman. Type of emission, special for FM. Power, 1,000 watts. Studio, 17th Ave. & Lincoln St.; transmitter, 1501 E. Hampden Ave. Estimated cost of plant, $15,000. Height of antenna, 70 ft. Also holds CP for satellite, portable, area of Denver; power, 100 watts. Washington counsel, Segal, Smith & Hennessey.

DISTRICT OF COLUMBIA

WASHINGTON — †W3XL, construction permit issued to Everett L. Dillard tr/as Commercial Radio Equipment Co. Data same as for FM station KOZY, Kansas City (see Part I), except type of emission, A-0 and special for FM; power, 250 watts; studio and transmitter, 1319 F St. NW; estimated cost of plant, $10,000; height of antenna, 140 ft.

WASHINGTON — †W3XLA, construction permit issued to Everett L. Dillard tr/as Commercial Radio Equipment Co. Data same as for FM station KOZY (see Part I) and W3XL above, except power, 100 watts; transmitter, portable, area of Washington (satellite for W3XL); estimated cost of plant, $6,000; height of antenna, 80 ft.

WASHINGTON — W3XO, licensed to WINX Broadcasting Co. (Washington Post), licensee of AM station WINX. Type of emission, A-0 and Special. Power, 1,000 watts. Transmitter, 3923 Windom Pl. NW. Estimated cost of plant, $10,900. Height of antenna, 60 ft. Washington counsel, Loucks & Scharfeld. Washington consulting engineers, Jansky & Bailey.

GEORGIA

ATLANTA — W4XAG, construction permit issued to Georgia School of Technology, 225 North Ave. NW., also licensee of AM station WGST. Principals: Dr. G. A. Rosselot, director, engineering experimental station; Prof. M. A. Honnell, head of communications engineering division, Electrical Engineering Dept.; Ben Ackerman, chief engineer WGST, broadcast consultant. Type of emission, A-0, Special and special for FM. Power, 1,000 watts. Transmitter, 225 North Ave. NW. Estimated cost of plant, $18,000. Height of antenna, 150 ft.

ATLANTA — W4XAJ, licensed to The Atlanta Journal Co., 7 No. Forsythe St., also licensee of AM station WSB. Principals: James M. Cox, chairman of the board; James M. Cox Jr., vice chairman of the board; John A. Brice, president; D. J. Mahoney, v.p.; George C. Biggers, v.p. and general manager; H. B. Wilcox, secretary-treasurer. Cox interests include AM stations WHIO, Dayton, O., and WIOD, Miami; Dayton News, Miami (Fla.) News, Springfield (O.) News and Sun. Type of emission, A-0 and special for FM. Power, 700 watts. Transmitter, portable, area of Atlanta. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineer, Frank H. McIntosh.

ILLINOIS

CHICAGO — †W9XHC, construction permit issued to The Hallicrafters Co., 2611 Indiana Ave., manufacturers of radio equipment. Principals: William J. Halligan, president, principal stockholder; Raymond W. Durst, executive v.p.; Robert E. Samuelson, v.p., engineering; Joseph J. Frendreis, secy-treas. Type of emission, A-0, A-3 and special for FM. Power, 250 watts. Transmitter, 2611 Indiana Ave. Estimated cost of plant, $2,000. Height of antenna, 160 ft.

CHICAGO — W9XJD, construction permit issued to WJJD Inc., 230 No. Michigan Ave., also licensee of AM station WJJD. Principals: Marshall Field, president and owner; Clem J. Randau, v.p.; Carl J. Weitzel, secretary-treasurer. Mr. Field also owns WSAI, Cincinnati; Marshall Field's, Chicago department store; is publisher of New York PM, Chicago Sun, Parade, and has interest in publishers Simon & Schuster and Pocket Books Inc. Type of emission, A-0, A-4, Special and special for FM. Power, 3,000 watts. Transmitter, 230 No. Michigan Ave. Estimated cost of plant, $22,000. Height of antenna, 650 ft. Washington counsel, Dow, Lohnes & Albertson.

CHICAGO — †W9XZN, construction permit issued to Zenith Radio Corp., 6001 Dickens Ave., licensee of FM station WWZR and holder of CP for commercial TV station WTZR. Principals etc.: see Part I. Type of emission, A-0, A-3 and special for FM. Power, 2,000 watts. Transmitter, 135 S. LaSalle St.

RIVERSIDE — †W9XJN, construction permit issued to Joseph F. Novy, 153 E. Quincy Rd., formerly assistant chief engineer, Central Division, CBS; chief engineer, Riverside Experimental Laboratories, now in U. S. Navy. Type of emission, A-4 and special for FM. Power, 1,000 watts. Transmitter, 153 E. Quincy Rd. Estimated cost of plant, $6,300.

INDIANA

BLOOMINGTON — †W9XHZ, construction permit issued to Sarkes Tarzian, 537 S. Walnut St., consulting radio engineer. Type of emission, A-0 and A-3. Power, 500 watts. Studio and transmitter, 537 S. Walnut St. Estimated cost of plant, $6,200. Height of antenna, 125 ft.

EVANSVILLE — W9XEV, construction permit issued to Evansville on the Air Inc. Data same as for FM station WMLL (see Part I) except type of emission, A-0 and special for FM; power, 1,000 watts; transmitter, County Line Rd., Glenwood; estimated cost of plant, $20,000; height of antenna, 200 ft.

KENTUCKY

LOUISVILLE — W9XEK, licensed to Courier-Journal and Louisville Times Co., 300 W. Liberty St., also licensee of AM station WHAS. Principals: G. Barry Bingham, president; Mark Ethridge, v.p. and publisher Louisville Courier-Journal and Louisville Times; Mary C. Bingham, v.p.; Lisle Baker Jr., v.p. and treasurer; Henrietta Bingham, secretary; W. Lee Coulson, WHAS manager. Type of emission, A-0, A-1, A-3 and special for FM; CP for A-4. Power, 1,000 watts; CP for 10,000 watts. Studio, 300 W. Liberty St.; transmitter, Ash Lane, Eastwood. Height of antenna, 674 ft. Washington counsel, Miller & Schroeder.

MARYLAND

BALTIMORE — W3XMB, licensed to Maryland Broadcasting Co., 1230 Curtain Ave., also licensee of AM station WITH. Principals: T. G. Tinsley Jr., president; Louise McClure Tinsley, secretary-treasurer and 70% stockholder. Type of emission, A-0 and special for FM. Power, 1,000 watts. Transmitter, 1230 Curtain Ave. Estimated cost of plant, $30,000. Height of antenna, 220 ft. Washington counsel, Kremer & Bingham. Washington consulting engineers, Jansky & Bailey.

MASSACHUSETTS

BOSTON — W1XMR, licensed to Matheson Radio Co. Inc., 62 Boylston St. (owned by Boston Herald-Traveler), also licensee of AM station WHDH. Type of emission, special for FM. Power, 1,000 watts. Transmitter, Nobscot Hill, Framingham. Estimated cost of plant, $11,500 (plus $20-$30,000 general construction, roads, etc.). Height of antenna, 150 ft. Washington counsel, George B. Porter. Consulting engineer, A. Earl Cullum Jr.

CAMBRIDGE — †W1XHR, construction permit issued to Harvey Radio Laboratories Inc., 447 Concord Ave., manufacturers of electronic equipment. Principals: Frank Lyman Jr., president and treasurer; Jeanne S. Lyman, v.p. Mr. Lyman is also 13% stockholder in AM station WKNE, Keene, N. H., and president and treasurer, Cambridge Thermionic Corp., manufacturers of quartz crystals. Type of emission, A-0, A-4, and special for FM. Power, 250 watts. Transmitter, 447 Concord Ave. Estimated cost of plant, $11,000. Height of antenna, 95 ft. Washington counsel, Fisher & Wayland.

NEW YORK

NEW YORK CITY — W1OXR, licensed to National Broadcasting Co. Inc. Data same as for WEAF-FM (see Part I) except type of emission, A-1, A-2, A-3, A-4, A-5 and special A-5 above 162 mc; power, 100 watts; transmitter, portable, area of New York City; estimated cost of plant, $2,000.

NEW YORK CITY — W1OXF, licensed to National Broadcasting Co. Data same as for WEAF-FM (see Part I) and W1OXR above except power, 25 watts.

NEW YORK CITY — W2XJC, construction permit issued to Atlantic Broadcasting Co. Inc., 29 W. 57th St., also licensee of AM station WHOM, Jersey City-New York. Principals: Gardner Cowles Jr., president; Craig Lawrence, executive v.p.; John Cowles, v.p.; T. A. M. Craven, v.p. in charge of engineering; Vincent Starzinger, secretary; Karl R. Haase, treasurer. Controlled by Cowles brothers, also owners of AM stations WOL, Washington; KRNT, Des Moines; WCOP, Boston; WNAX, Yankton, S. D.; publishers of Des Moines Register & Tribune, Minneapolis Star-Journal & Tribune, Look Magazine, and have interest in AM station KFNF, Shenandoah, Iowa. Type of emission, A-0 and special for FM. Power, 1,000 watts. Estimated cost of plant, $19,000. Height of antenna, 200 ft. Washington counsel, Segal, Smith & Hennessey.

NEW YORK CITY — †W2XER, construction permit issued to Emerson Radio & Phonograph Corp., 111 Eighth Ave., manufacturers of radio and electronic equipment. Principals: Benjamin Abrams, president; Dorman D. Israel, v.p.; Morton E. Ornitz, v.p.; Max Abrams, secretary-treasurer. Type of emission, A-0, A-3 and special for FM. Power, 500 watts. Transmitter, 111 Eighth Ave. Estimated cost of installation, $2,000. Height of antenna, 285 ft.

NEW YORK CITY — †W2XMC, construction permit issued to Muzak Corp., 229 Fourth Ave. Owned by Associated Music Publishers Inc. Principals: Waddill Catchings, president; Peter B. Holland, v.p.; Anna M. Kerner, secretary; George A. Carpenter, treasurer. Type of emission, special for FM. Power, 1,000 watts. Transmitter, 870 Seventh Ave. Estimated cost of plant, $16,000. Height of antenna, 580 ft. Counsel, James Lawrence Fly.

NEW YORK CITY — †W2XRA, licensed to Raytheon Manufacturing Co., Foundry Ave., Waltham, Mass., manufacturers of electronic equipment. Principals: Laurence K. Marshall, president; David T. Schultz, v.p. and treasurer; Donald L. Trouant, comptroller and secretary. Type of emission, Special. Power, 5,000 watts. Transmitter, Lincoln Bldg., 60 E. 42nd St. Estimated cost of plant, $16,000. Height of antenna, 750 ft. Washington counsel, Sher & Oppenheimer. New York counsel, James Lawrence Fly, Boston counsel, Foley & Hoag. Washington consulting engineers, Raymond M. Wilmotte Inc.

NEW YORK CITY — †W2XRY, licensed to Raytheon Manufacturing. Co. Data same as for W2XRA above except type of emission, A-0, A-1 and special for FM; power, 10,000 watts; estimated cost of plant, $75,000; height of antenna, 739 ft.

OHIO

CINCINNATI — W8XFM, licensed to The Crosley Corp., Crosley Sq.. Ninth & Elm Sts., also licensee of AM station WLW. Controlled by Aviation Corp. of America. Principals: Victor Emanuel, chairman of board; Irving Babcock, president; James D. Shouse, v.p. in charge of broadcasting division; Robert E. Dunville, v.p. and general manager; R. J. Rockwell, chief engineer. Type of emission, special for FM. Power, 1,000 watts. Studio, Carew Tower, corner Vine & Fifth Sts.; transmitter, Crosley Sq., Ninth & Elm Sts. Estimated cost of plant, $5,000. Height of antenna, 75 ft. Washingon counsel, Dempsey & Koplovitz.

CLEVELAND — [Call not yet assigned] construction permit issued to United Broadcasting Co., Plain Dealer Bldg., licensee of AM station WHK, Cleveland; WHKC, Columbus; WHKK, Akron; and through interlocking company 40.62% owner of WKBN, Youngstown. Same interests publish *Cleveland Plain Dealer and News*. Principals: Sterling E. Graham, president; Paul Bellamy, v.p.; H. K. Carpenter, v.p. and gen. mgr.; K. K. Hackathorn, v.p.; Carl E. Smith, director of engineering. Type of emission, FM. Power, 1,000 watts. Transmitter, 3650 Pleasant Valley Rd., Seven Hills Village. Estimated cost of plant, $25,610.

DAYTON — W8XMV, construction permit, issued to Miami Valley Broadcasting Corp., 45 So. Ludlow St., also licensee of AM station WHIO. Data same as for W4XAJ, Atlanta, Ga., except type of emission, A-0, A-3 and special for FM; power, 1,000 watts; transmitter, portable, area of Dayton; estimated cost of plant, $15,000; height of antenna, 100 ft.

OREGON

PORTLAND — †W7XTE, construction permit issued to Temple V. Ehmsen, 0346 S.W. Texas St., police radio engineer. Type of emission, A-0 and special for FM. Power, 1,000 watts. Estimated cost of plant, $3,800. Height of antenna, 80 ft.

TENNESSEE

CHATTANOOGA — W4XCT, licensed to Joda Patterson, Ramon G. Patterson and Louise Patterson Pursley d/b as WAPO Broadcasting Service, Read House, Ninth & Broad Sts., also licensee of AM station WAPO. Type of emission, A-0 and special for FM. Power, 1,000 watts. Transmitter, Lookout Mt. Hotel, near Chattanooga. Estimated cost of plant, $10,000. Height of antenna, 150 ft. Washington counsel, Fisher & Wayland. Washington consulting engineer, John Barron.

TEXAS

DALLAS — W5XIC, licensed to A. H. Belo Corp., 801 Commerce St., also licensee of AM station WFAA. Principals: E. M. Dealey, president; J. M. Maroney, secretary; Martin Campbell, radio director. Type of emission, A-0 and special for FM. Power, 1,000 watts. Transmitter, portable, area of Dallas. Estimated cost of plant, $2,500. Height of antenna, 100 ft. Washington counsel, Loucks & Scharfeld. Consulting engineer, A. Earl Cullum Jr.

WISCONSIN

MILWAUKEE — W9XJC, licensed to The Journal Co. (Milwaukee Journal). Data same as for FM station WTMJ-FM (see Part I) except type of emission, special for FM; power, 100 watts; transmitter, 720 E. Capitol Dr.; height of antenna, 300 ft.

MILWAUKEE — W9XK, licensed to The Journal Co. (Milwaukee Journal). Data same as for FM station WTMJ-FM (see Part I) and W9XJC above except type of emission, A-0 and special for FM; power, 500 watts; transmitter, RFD 1, Hubertus, Town of Richfield, Wis.; estimated cost of plant, $500; height of antenna, 564 ft.

Special Developmentals for Use Throughout Continental U. S.

W1OXWA (licensed) and W1OXWB, W1OXWC, W1OXWD, W1OXWE (construction permits) issued to Westinghouse Radio Stations Inc., 1619 Walnut St., Philadelphia. Principals, etc.: see listing under KYW-FM, Philadelphia. Part I. Type of emission, A-0, A-1, A-2, A-3, A-4, A-5, special and special for FM. Power, 5,000 watts. Transmitters, portable, over continental U.S. in connection with "Stratovision" experiments.

Non-Commercial Educational FM License and CP Holders as of March 15, 1946

This directory revises and brings up to date list published at end of Supplement No. 4. Frequencies designated for license holders are old-band channels, subject to FCC orders to change over to new educational band (88.1-91.9 mc). Construction permit holders still await frequency assignments in new band.

CALIFORNIA

SACRAMENTO—[Call not yet assigned] construction permit issued to Sacramento City Unified School District.

SAN FRANCISCO — KALW, licensed to Board of Education of San Francisco Unified School District, 93 Grove St. Studio and transmitter, 22nd & Bartlett Sts. Frequency, 42.1 mc. Power, 1,000 watts.

LOS ANGELES — KUSC, construction permit issued to University of Southern California, 3616 University Ave. Transmitter, 3616 University Ave.

ILLINOIS

CHICAGO — WBEZ, licensed to Board of Education, City of Chicago, 228 No. LaSalle St. Studios, 228 No. LaSalle St. and 79 W. Madison St.; transmitter, 79 W. Madison St. Frequency, 42.5 mc. Power, 1,000 watts.

URBANA — WIUC, licensed to University of Illinois, 1010 So. Wright St., also licensee of AM station WILL. Studio and transmitter, 1010 So. Wright St. Frequency, 42.9 mc. Power, 250 watts.

IOWA

IOWA CITY — KSUI, construction permit issued to The State University of Iowa, also licensee of AM station WSUI. Transmitter, Capitol & Washington Sts.

KENTUCKY

LEXINGTON — WBKY, licensed to University of Kentucky. Studio and transmitter, McVey Hall. Frequency, 42.9 mc. Power, 500 watts.

LOUISIANA

BATON ROUGE — WLSU, construction permit issued to Board of Supervisors of the Louisiana State University and Agricultural and Mechanical College, Baton Rouge. Studio, Music & Dramatic Arts Bldg., University Campus; transmitter, State Capitol Bldg. Tower.

MICHIGAN

ANN ARBOR — WATX, construction permit issued to Regents of the University of Michigan. Studio, 504 So. State St.; transmitter, near Dexter, Dexter Township, Mich.

DETROIT — [Call not yet assigned] construction permit issued to the Board of Education of the City of Detroit, 1354 Broadway. Studio and transmitter, 9345 Lawton.

MISSOURI

KANSAS CITY — KICR, construction permit issued to School District of Kansas City, Mo., Ninth St. corner of Locust. Studio, Ninth St. corner of Locust; transmitter, 4749 Flora St.

NEW JERSEY

NEWARK — WBGO, construction permit issued to the Board of Education of Newark in the County of Essex, Board of Education Bldg., 31 Green St. Studio, Board of Education Bldg., 31 Green St.; transmitter, Central High School Bldg., corner High and New Sts.

NEW YORK

BUFFALO — WCAH, construction permit issued to Board of Education, City of Buffalo, 666 E. Delavan Ave. Transmitter, 666 E. Delavan Ave.

NEW YORK CITY — WCUV, construction permit issued to Trustees of Columbia University in the City of New York, Broadway & 116th St. Transmitter, Route 9W, 1½ miles northeast of Alpine, N. J. (Maj. E. H. Armstrong).

NEW YORK CITY — WNYE, licensed to Board of Education, City of New York, 110 Livingston St., Brooklyn. (City of New York is also licensee of AM station WNYC and FM station WNYC-FM.) Studio and transmitter, 29 Ft. Green Pl., Brooklyn. Frequency, 42.1 mc. Power, 1,000 watts.

OHIO

CLEVELAND — WBOE, licensed to Cleveland City Board of Education, 1380 East Sixth St. Studio, Lafayette School Bldg., 12415 Abell Ave.; transmitter, Board of Education Bldg., 1380 East Sixth St. Frequency, 42.5 mc. Power, 1,000 watts.

OKLAHOMA

NORMAN — KOKU, construction permit issued to State University of Oklahoma, Faculty Exchange, Norman, Okla. Studio, to be determined; transmitter, 1100 Block S. Jenkins St.

STILLWATER — KOAG, construction permit issued to Oklahoma Agricultural and Mechanical College. Studio and transmitter, A. & M. campus. Frequency, 91.9 mc. Power, 10,000 watts. Estimated cost of plant, $66,000. Height of antenna, 518 ft.

TEXAS

EL PASO [Call not yet assigned] construction permit issued to The Independent School District of The City of El Paso, Texas.

WISCONSIN

DELAFIELD — [Call not yet assigned], construction permit issued to State of Wisconsin-State Radio Council, Radio Hall, University of Wisconsin campus, Madison. Also licensee of AM stations WHA, Madison, and WLBL, Stevens Point. Studio, University of Wisconsin campus, Madison. Transmitter, Delafield, Wis.

MADISON — [Call not yet assigned], construction permit issued to State of Wisconsin-State Radio Council, Radio Hall, University of Wisconsin campus, Madison. Also licensee of AM stations WHA, Madison and WLBL, Stevens Point. Studio and transmitter, University of Wisconsin campus.

Applicants for Non-Commercial Educational FM Stations

On file with the FCC as of March 15, 1946

San Bernardino, Cal. — City of San Bernardino High School District.

Santa Monica, Cal. — Santa Monica School Board.

Stockton, Cal. — College of the Pacific.

Atlanta, Ga. — Board of Education of the City of Atlanta.

Macomb, Ill. — Western Illinois State Teachers College.

Bloomington, Ind. — The Trustees of Indiana University.

LaFayette, Ind. — The Trustees of Purdue University.

Ames, Ia. — Iowa State College of Agriculture and Mechanic Arts.

Kalamazoo, Mich. — Western Michigan College of Education.

Columbia, Mo. — Stephens College.

St. Louis, Mo. — Board of Education of the City of St. Louis.

Albuquerque, N. M. — The Regents of the University of New Mexico.

Floral Park, N. Y. — Board of Education.

Jackson, O. — Jackson City Board of Education.

Toledo, O. — Board of Education.

Weatherford, Okla. — R. H. Burton, President of Southwestern Institute of Technology (application returned).

Eugene, Ore. — School District No. 4.

Philadelphia, Pa.—Junto Inc., 16 So. Tenth St. (Private non-commercial educational group; Dr. Albert A. Owens, president of Philadelphia Board of Education, president; Philip Klein, secretary.)

Philadelphia, Pa.—Trustees of the University of Pennsylvania.

State College, Pa. — The Pennsylvania State College.

West Chester, Pa. — State Teachers College of West Chester, Pa.

Providence, R. I. — Providence Bible Institute.

College Station, Tex. — Agricultural & Mechanical College of Texas.

Houston, Tex. — University of Houston.

MORE TVs DROPPING OUT: As the FCC this week booked a schedule of additional hearings on TV applications, more and more are dropping out or indicating their intention of withdrawing their applications. Most give as their reason that they intend to wait for uhf color, though none has yet filed for the experimental frequencies assigned for that purpose. More cogent reason, though not usually stated, is that they are being scared off by the high cost of TV.

When we published Supplement No. 18 as our TV directory last December, we listed 141 applications on file. Surveying the scene since then, we find only 8 more have filed or are about to file: Dorothy Thackrey (New York Post), for Los Angeles and San Francisco; Hearst Publications, for San Francisco; Times-Picayune, for New Orleans; Sunpapers, for Baltimore; Fort Industry (Storer), for Toledo; Allen Simmons (WADC), for Akron; Star-Telegram, for Fort Worth.

Thus, applications for TV reached a high of 149 -- but this number has been diminished considerably in recent weeks by formal withdrawals or will be cut by further dropouts which we are advised by counsel are definitely on the way. These number 22 (aside from those affected by the Washington TV decision; Vol. 2, No. 10), and it is a fair guess more will follow. As we get the dope from official and unofficial sources, these have dropped out or will probably shortly do so:

Yankee Network, for Hartford, Boston and Providence; KLZ, for Denver; Marcus Loew, Eleanor Patterson (Times-Herald) and Scripps-Howard, for Washington; Johnson-Kennedy (WIND), for Chicago; Maryland Broadcasting (WITH) and Tower Realty Co., for Baltimore; WTAG, for Worcester; International Detrola and WJR, for Detroit; Metropolitan Television, for New York; WGAR and WJW, for Cleveland; WKY, for Oklahoma City; Bamberger and Philadelphia Inquirer, for Philadelphia (latter, however, intending to pursue TV through its recently acquired WFIL); E. Anthony & Sons, for Providence; Utah Broadcasting Co., for Salt Lake City; Hearst Radio, for Milwaukee (where its WISN is CBS-affiliated).

We will reissue a corrected log of TV applicants when the situation stabilizes itself more; meanwhile, you can safely correct your records according to the foregoing and such other additions or withdrawals as we report them.

TV STATIONS RESUMING: DuMont got WABD back on the air Thursday from its uptown studios, using film on its new Channel No. 5; company now reports April 15 as definite opening date for its new Wanamaker studios, which will link via coaxial with its Washington experimental W3XWT. NBC's WNBT expects now to be reconverted and back on air on Channel No. 4 between April 28-May 6. CBS's WCBW expects to resume on Channel No. 2 early in April, is planning remotes from UNO sessions. Don Lee's W6XAO resumed March 4 on Channel No. 2; Philco's WPTZ March 8 on No. 3; and Balaban & Katz's WBKB (Paramount) resumes on Channel No. 4 March 18.

On the color front, Worthington Miner, CBS video chief, has been telling audiences at network's uhf demonstrations that CBS will have its live pickup unit ready in May; but it is understood Dr. Goldmark already is working with a camera for live color pickups behind closed doors of his laboratory.

COSMOPOLITAN ON TV: Somewhat critical in treatment, but not as cynical in tone as Alva Johnston's current Satevepost series (Vol. 2, No. 10), is article on TV in March Cosmopolitan Magazine by Bill Davidson, ex-Yank writer. Title and subcaption just about sum up his story: "Television Is Still Around the Corner. Go ahead and buy a receiving set if you want to watch this interesting industry grow up. But, don't expect it to move into same class with movies and radio for at least 5 years."

TBA SETS CONCLAVE DATE: Promised enough equipment for adequate exhibits, TBA has now fixed the date of its 1946 television conference -- Oct. 10 and 11 at New York's Waldorf-Astoria. Ralph B. Austrian, president of RKO Television Corp., is general chairman. The convention is deferred from this spring and is timed, Mr. Austrian stated, "to coincide with the widespread distribution of receivers to dealers in the nation's leading cities where TV stations are operating."

PUBLIC ISN'T KICKING: Almost as if it came in response to recent official attacks (mainly FCC) on broadcast programming and advertising, is this week's report of National Opinion Research Center of the U of Denver, working under grants from that institution and the Field Foundation, finding 82% of people of U.S. giving radio "excellent" or "good" accomplishment rating. Survey was not radio-sponsored, was nation-wide in scope, covered 2,246 confidential interviews, which authors say should come within 3% of accuracy on basis of survey experience. Full report will shortly be published by U of North Carolina Press.

Asked whether they preferred radio with or without advertising, 62% preferred advertising, 35% no advertising. Another breakdown: 41% "don't particularly mind advertising....it doesn't interfere too much with my enjoyment of programs"; 26% "don't like the advertising....but I'll put up with it"; 23% in favor of advertising....because it tells me about the things I want to buy"; 26% "think all advertising should be taken off." Asked if they would prefer newspapers without advertising, 87% say No, 10% Yes. Also: 81% said they are able to get kind of programs they like when they want to listen; 84% would rather do without movies than without radio; 81% think stations usually fair in giving hearing to both sides of arguments; 75% think radio did best job of all mass media in serving public during war; 13% said they would pay $5 a year to get programs without any advertising.

WESTERN ELECTRIC'S PLANS: Washington consulting and FCC engineers saw preview last Monday of Western Electric's new 54A antenna for FM, known as "Cloverleaf." At same time they were informed by Fred Lack, v.p. in charge of radio division, that WE is moving all electronics manufacturing facilities, except vacuum tubes and components, to newly acquired factories in Winston-Salem, N.C. and Burlington, N.C. Tube factory will be at Allentown, Pa. New antenna is shaped like four-leaf clover, was engineered by Bell Labs for 88-108 mc frequencies, with tower sections fabricated by Blaw-Knox.

EDUCATIONALS GET BREAK: Same engineering standards as for commercial FM (Supplement No. 9) will apply to non-commercial educational FM stations, allocated the 88.1-91.9 mc band, but they will operate under a separate set of rules and regulations. These will be somewhat more lax than rules for commercial FM, placing no limit on multiple ownership (6 is commercial limit), fixing no minimum hours of operation (6 hours per day is commercial requirement) and exempting educationals from network rules. FCC this week issued proposed educational FM rules, gave interested parties 60 days to submit comments and suggestions, said they would then be promulgated without hearings or arguments unless demanded. For list of educational FM licenses and CP holders, see Part III of Supplement No. 32 herewith.

NEWS AND VIEWS: Tone of House thinking is indicated in vote this week (309-39) naming conferees to meet with Senate conferees, smooth out differences between Lea and Vandenberg bills....Add to log of experimental TVs (Supplement No. 18) CP granted this week to Kansas State College; research plan envisages video system for small communities, using only 100 watts with simple receiver for both low and high bands....First an AM local (250 w on 1340 kc), then an FM, is plan of Capt. Harry C. Butcher, ex-CBS v.p., recently Eisenhower aide, in applying for new station in Santa Barbara, Cal.; he intends to make his home there....Near TV Channel No. 13 (210-216 mc) is 235-240 mc band newly assigned to "hams" by FCC this week; FM and facsimile emission also permitted amateurs in 27.185-27.455 and 235-240 mc bands.... Loew's subsidiary Oak Park Amusement & Realty Co., Chicago, dropping its FM application; Cleveland Plain Dealer also dropping Akron FM, but going ahead with Cleveland, Columbus applications....Executives of 20 railroads and Ford Motor Co. will watch first major test of uhf (158-162 mc) for railroad communications conducted by Farnsworth in Detroit, March 19-21.

MARTIN CODEL'S

AUTHORITATIVE NEWS SERVICE OF THE VISUAL BROADCASTING AND FREQUENCY MODULATION ARTS AND INDUSTRY

Television Digest and FM Reports

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March 23, 1946

OUR FM ALLOCATION MAPS: You will get from us shortly after April 1, and at no extra cost, a set of FM Allocation Maps of the United States, prepared especially for us and printed as part of our service. These maps, 60 in number, will cover the channels No. 221 to 289 (92.1-103.9 mc) -- these being the only commercial channels on which city allocations have thus far been made (Supplement No. 21). We have not included maps for the non-commercial educational FM band (Channels No. 201 to 220) nor Channels No. 281-300, omitting the former because of the very limited use of educational channels as yet, the latter because they embrace Community and Facsimile channels not yet in use. However, we will furnish you 10 extra blank maps so that you can indicate assignments on additional channels when the FCC makes them. The value of these maps as an engineering reference should be manifest; each subscriber gets one full set without charge, but extra sets will be available at nominal cost.

NEITHER MISSOURIAN NOR POLITICIAN: A personable, even-natured, rather diffident chap; a Mormon and very much a family man, with 4 children ranging in age from 10 months to 19 years; an indefatigable worker who knows radio and knows his own mind -- that's Rosel Herschel Hyde. Called to the White House Thursday, he was told by President Truman of his appointment as a Republican member of the FCC succeeding the late Commissioner Wills.

The choice is a particularly happy one because, like Commissioners Denny and Jett, he comes up from the ranks; Hyde is neither a politician nor a Missourian, yet had the hearty endorsement of the two Democratic Senators from his native Idaho (born April 12, 1900 in Downey, pop. 700). He joined the old Radio Commission as disbursing officer in 1928 while still studying law at George Washington U, rose steadily through the Law Dept. to succeed Denny as general counsel exactly a year ago this month.

It looks like the remaining vacancy will be held open, for a while at least, for the possible return of Paul Porter, though a strong campaign is afoot to get the job for Nathan David, just out of the Navy, former aide to ex-Chairman Fly. And if precedent and the predilection of the commissioners who make the appointment are followed, another ranker may get the general counselship Hyde relinquishes -- either Ben Cottone, Vernon L. Wilkinson or Harry M. Plotkin, assistants general counsel, or Jeremiah Courtney, chief of the FCC's Safety & Special Services Division.

FM CONDITIONALS ON THE AIR: Surprising as it may seem, 3 FM conditional grantees are already on the air under special authorizations from the FCC "to make FM service available to the public as quickly as possible." The 3 operating FM stations (non-CP holders yet) are those of the Supreme Broadcasting Co. and Times-Picayune Publishing Co., both in New Orleans, and WHP, Harrisburg, Pa.

Supreme Broadcasting (the brothers Cortada and George A. Mayoral) received its permit Feb. 25, and is transmitting from the Jung Hotel with 25 watts

on Channel No. 237 (95.3 mc). The Times-Picayune began operation March 1 with 3 kw on Channel No. 233 (94.5 mc), using an RCA superturnstile, 3 section antenna at the Howard Memorial Library. WHP's FM adjunct went on March 18 with 250 watts on Channel No. 247 (97.3 mc), transmitting from a single unit antenna atop the Harrisburger Hotel.

All 3 stations had equipment ready for immediate operation and were given the "go-ahead" by the FCC on a non-commercial basis for a 90-day period.

Fact that conditional FM grantees could go on the air before receiving actual CPs was made known at the Broadcast Engineering Conference in Columbus this week by FCC Assistant Chief Engineer John Willoughby. Only qualification, Willoughby said, was that grantees have full engineering data submitted with application, proceed diligently with construction of permanent installation. FCC's purpose, he said, in addition to getting FM stations on the air, is to enable dealers to demonstrate sets as quickly as the new-band receivers come on the market. Consensus of engineers at meeting was that FM grantees, especially those not AM-affiliated, would be most eager to take advantage of new setup.

Willoughby also provoked surprise among attending engineers by telling them that FCC was aiming for 20 kw effective radiated power, 500-ft antenna elevation for Area II Metropolitan stations. Applicants, according to several engineers at Columbus, had expected to cover many metropolitan areas with transmitters putting out 3 or 10 kw, and with lower antenna heights.

At the Commission, it was said that Area II Metropolitan stations would be required to cover designated service areas which, it has been found, will in most cases require the 20-kw, 500-ft ratio. As an example of how this requirement was working out, last week's EAs were pointed to (Supplement No. 33). Only 4 of the 10 Metropolitan EAs followed the 20-kw, 500-ft formula.

PHILCO DROPS, DuMONT GETS NO.5: Washington's fourth TV channel (No. 5) goes to DuMont, thus obviating the need for further legalistics over the FCC's failure to decide as between Philco and DuMont (Vol. 2, No. 10). Philco withdrew its application this week, announcing it will concentrate on its radio relay experiments for TV and other services. Its Philadelphia WPTZ will be its only TV outlet, for it has decided also to withdraw its application for a station in New York City. Philco's withdrawal leaves 12 in the race for the New York area's 4 available TV channels, scheduled for hearing there July 1 (see hearing schedules and appearances, Vol. 2, No. 11). Also dropping its TV application this week was Unity Corp. Inc., for Erie, Pa.

Thus DuMont becomes the first telecaster in the nation's capital, for it already has a low power experimental station (W3XWT) in operation, which will be formally inaugurated as a commercial April 15 coincident with opening of its New York Wanamaker studios. New York shows presumably will be carried to Washington regularly via coaxial and telecast there despite paucity of receivers in capital. DuMont, however, plans to give Washington dealers goodly quota of its first TV sets as soon as they come off production line. As part of speeded production plans, DuMont Friday announced purchase of 150,000-ft. Doherty Bldg. in Clifton, N.J., for expanded factory facilities.

Hailing Philco decision to withdraw voluntarily rather than fight it out for the one remaining Washington channel, Leonard Cramer, DuMont vp, promised to cooperate with Philco relay system, said Washington outlet will be invaluable to DuMont's proposed "nation-wide network." DuMont also has TV applications pending for Pittsburgh, Cincinnati, Cleveland, which with its WABD in New York would give it the 5 limit. It also has close corporate connection with Paramount, which through associated companies plans stations in other big cities.

NBC engineers headed by O. B. Hanson, engineering vp, are pushing work on Wardman Park studio and tower location, are losing time because hotel is unable

Television Digest and FM Reports

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Supplement 33A
March 23, 1946

Current

CPs AND CONDITIONAL GRANTS TO APPLICANTS FOR NEW FM STATIONS

Grants issued since our last Cumulative Log (Supplement No. 33)

Cumulative Logs are issued periodically; meanwhile, add these to Supplement No. 33

Full Data on These Applicants Can Be Found in Supplements 14A to 14G Inclusive

Power is Effective Radiated Power. Antenna Height is height above average terrain. Dagger (†) indicates Metropolitan station. Double dagger (‡) Metropolitan, possibly Rural. Asterisk (*) Community Station

CPs Granted March 20, 1946

City		Applicant and AM Affiliation	Frequency Channel No.	Power	Antenna Height
Washington, D.C.....	†	Commercial Radio Equip.Co.	101.3 mc (267)	20 kw	500 ft.
Washington, D.C.....	†	Cowles Bcstg. Co. (WOL)	100.5 mc (263)	20 kw	500 ft.
Washington, D.C.....	†	Evening Star Bcstg.Co.(WMAL)	94.1 mc (231)	20 kw	500 ft.
Washington, D.C.....	†	Theodore Granik	93.7 mc (229)	20 kw	500 ft.
Washington, D.C.....	†	Metropolitan Bcstg. Corp.	101.7 mc (269)	20 kw	500 ft.
Washington, D.C.....	†	National Bcstg. Co. (WRC)	94.5 mc (233)	20 kw	500 ft.
Washington, D.C.....	†	Potomac Broadcasting Cooperative, Inc.	93.3 mc (227)	20 kw	500 ft.
Washington, D.C.....	†	WINX Bcstg. Co. (WINX)	102.1 mc (271)	20 kw	500 ft.

Conditional Grants March 20, 1946

City		Applicant	AM Affiliate
Mobile, Ala.....	†	Giddens & Rester	--
Waterbury, Conn.....	†	Harold Thomas	WATR
Battle Creek,Mich...	†	Federated Publications, Inc.	WELL
Coram, N.Y.....	*	Suffolk Broadcasting Corp.	--
Rochester, N.Y.....	†	Monroe Broadcasting Co., Inc.	--
Moorehead, Minn.....	†	KVOX Broadcasting Co.	KVOX
Wilkes-Barre, Pa....	†	Scranton-Wilkes-Barre-Pittston Bcstg. Co., Inc.	--
Chattanooga, Tenn...	†	WAPO Broadcasting Co.	WAPO
Chattanooga, Tenn...	†	Mark K. Wilson	--
Logan, W. Va.....	†	Clarence H. Frey & Robert O. Greever	WLOG

to dig up building diagrams needed for remodeling. And Bamberger, after months of wrangling over its $45,000 Cathedral Heights site, ran into more difficulties this week when nearby homeowners took their case to Rep. McMillan, chairman of House District Committee, who promised to carry their fight to Congress. They object to danger of possible collapse of tower, and alleged loss of property values.

FIRST POSTWAR CPs FOR FM: You can take the swiftness with which the FCC came out with its Washington FM decision Wednesday -- 5 days after the end of hearings -- as an indication of its desire to get FM going. The 8 grantees (Supplement No. 33A) were the first to be heard at a consolidated hearing, also the first to get outright CPs since the war freeze. They got CPs instead of mere Engineering Approvals (the EAs described in these columns last week) because the cases they presented included the requisite program-promise data.

Though there were 11 applicants for Washington's 11 channels, 3 failed to get CPs. They were not turned down, merely "passed over for further study." Reasons were not officially stated but are variously ascribed as (1) need for further study of applications; (2) Commissioner Durr's desire to reserve some channels for future applicants, notably veterans. The 3 who were "passed over" were Mid-Coastal Broadcasting Co., half-owned by J. V. Cosman, of Federal Radio, who is also half owner with Donald Flamm of WPAT, Paterson, N. J.; Capital Broadcasting Co. (WWDC); Chesapeake Broadcasting Co. (For further data on these applicants as well as on the successful ones, see Supplements No. 14A to 14G).

Also announced this week were 10 more conditional grants (Supplement No. 33A), bringing total to date to 362. A new applicant this week for Dayton, Moraine Broadcasters Inc., was added to consolidated hearing scheduled there May 6. Designated for hearing, but date and place not yet fixed, were all applicants for Bridgeport-Danbury-Stamford, Conn.

'OPERATION CROSSROADS' AND TV: When "that thing" goes off at Bikini this summer, television will enable Navy, scientific and press observers to view the results simultaneously from above and at eye level. A preview of what TV means militarily was afforded the press last Thursday when the Navy and RCA revealed one of the war's top secrets at a press demonstration at the Naval Air Station near Washington. The demonstration, using the same kind of receivers that soon will be marketed for the home, also had its civilian implications -- showing how a "TV newsreel camera" can go aloft and telecast precisely what its lens sees. The black-and-white images shown were excellent, except for more flickers than are usual from stationary TV transmitters.

Viewers in the Anacostia air station's gymnasium saw pickups from 2 Navy planes and the RCA "flying laboratory" -- one plane telecasting from over Baltimore and Annapolis, 40 miles away, and the two others telecasting Washington scenes. A bank of RCA 16x20 in. projection screens and 6x10 in. direct-viewing screens were utilized, transmissions from the planes being on 90, 274 and 300 mc.

Navy radio experts described how commanders could -- and during the war did -- use the system to view battle areas from command posts, getting their battle data via TV far better and faster than they could from recon photos or patrol reports. This method accounted in one Pacific battle for 3 Jap ships. And RCA's president, Brig. Gen. Sarnoff, who earlier this week received the Medal of Merit for his war work, foresaw many civilian uses of the system, including airborne traffic control and possible "walkie lookies."

One TV cameraman, representing all 6 existing commercial telecasters, will record "Operation Crossroads" (the atom bomb tests) for later showing to televiewers after the film has been cleared by Navy security. Video companies will also have available all film shot by official photographers. Plans call for near-the-scene robot-plane TV coverage of the Bikini tests, as well as the installation of 2 Navy ATK transmitters on shore only two-thirds of a mile from the blast. The experts and

newsmen will watch the telecasts on an ARK receiver on each of the 5 observation ships -- the Mt. McKinley, flagship; Appalachian, press; Panamint and Blue Ridge, VIP observation; Avery Island, electronic test equipment vessel commanded by Capt. C. F. Engleman, head of task force communications.

CBS COLOR TV (Cont'd): Though practically none besides itself is applying for uhf experimental TV frequencies as yet, CBS continues lining up adherents for its uhf color TV. Having surveyed reactions of TV set owners (Vol 2, Nos. 9 and 10), it is now asking what non-set owners who have seen its demonstrations think. President Stanton reported this week that 7 out of 10 say they are willing to wait one year to "indefinitely" for color, even after monochrome sets are on sale. Survey also revealed that non-set owners would be willing to pay average of 48% more for color receiver with an 8x10 in. screen than for an equivalent black-and-white set. For color receiver with a 16x22 in. screen, they would rather pay 40% more.

High definition, uhf color TV is one branch of broadcasting deriving direct technical impetus from World War II electronic developments, CBS Chief Engineer A. B. Chamberlain told the Broadcast Engineering Conference at Columbus Tuesday. And in Pittsburgh this week, George Moskovics, commercial manager of CBS's WCBW (monochrome station in New York), carried the color TV gospel to the ad club.

And FCC Commissioner Walker, before the Annual Conference on Station Problems in Oklahoma City remarked: "Engineers of the FCC reported that CBS color had great clarity of detail and true rendition of color. It was their conclusion that if the results achieved at this demonstration could be duplicated in the average home, color television is ready for widespread production."

EMERSON'S $200 VIDEO: Plans at Emerson are pointed at getting its $200 TV set into the hands of dealers by September. Production starts in June or July. Since Emerson advertises itself as "the largest manufacturers of small radios," its price for TV is indicative of bedrock video sales costs. There has been talk of $100 TV sets, but industry circles are skeptical; too cheap to be workable. Emerson is also going in for intra-store TV. An "intra-tel" system for department store use has been engineered, and company is negotiating with a New York store for demonstration.

PATTERSON-McCORMICK WON'T DROP: Fact that Eleanor Patterson (Washington Times-Herald) dropped her applications for both FM and TV in Capital, does not presage similar action by New York Daily News, also seeking both, nor by Chicago Tribune, licensee of FM station WGNB, applicant for Chicago TV and (under name of Midwest FM Network Inc.) applicant for FMs in Milwaukee, Peoria, Grand Rapids, Fort Wayne. Counsel says these will go ahead. Mrs. Patterson is sister of New York newspaper's publisher, cousin of Chicago Tribune's McCormick, big stockholder in both papers.

NEWS AND VIEWS: Third and last of Alva Johnston's series of 3 articles on TV in this week's Satevepost quotes this new reason for Petrollo's ban on musicians appearing on TV programs: heat of lights spoils varnish on violins, melts resin on bows, warps drums, takes elasticity out of accordions! .... House and Senate conferrees met this week on the Petrillo Bill but only got halfway through, meet again March 26 .... Opening program of DuMont's new Wanamaker studios April 15 will include half hour quiz show directed by Tom Hutchinson, sponsored by Mueller's Macaroni; half hour psychological drama by George Lowther; plus film subjects .... FM and TV are on agenda of April 10 afternoon "fact-finding" session of American Assn. of Advertising Agencies convention at New York's Waldorf-Astoria.... Elmer Pratt, ex-FCC examiner, recently with Colladay, Colladay & Wallace, has set up his own office at 1703 K St., Washington .... Ruth G. Roosevelt Eidson, ex-wife of Elilott Roosevelt, is a principal in two new Texas FM applications; she owns 99% of KFJZ, applying in Ft. Worth, and 26% of KABC, applying in San Antonio .... Harvey Radio Labs' 250-watt FM transmitter (Model FMA) is due for delivery June 1; it incorporates the GE Phasitron modulator tube and is 76x25x22 in.

MARTIN CODEL'S

AUTHORITATIVE NEWS SERVICE OF THE VISUAL BROADCASTING AND FREQUENCY MODULATION ARTS AND INDUSTRY

Television Digest and FM Reports

PUBLISHED WEEKLY BY RADIO NEWS BUREAU, 1519 CONNECTICUT AVE. N.W., WASHINGTON 6, D.C. TELEPHONE MICHIGAN 2020 • VOL. 2, NO. 13

March 30, 1946

(For full story on Veterans Housing Order VHP-1, see Special Report herewith)

FMs PASS THE 800 MARK: As March draws to a close, 32 more applications for new FM stations can be reported (Supplement No. 14H herewith). Of these, 21 are from AM operators, 7 request Community stations. Also announced was Elias Godofsky's amendment of his Brooklyn application to ask instead for Community in Hempstead, L.I., which means one less among the 24 FM applicants set down for New York area hearing July 1 (see FM hearing schedule in our Special Report, March 16).

Veterans figure prominently among new applications -- Lt. Col. Lewis Rock, publisher of Dayton (O.) Journal-Herald; the brothers Tweel, of Huntington, W. Va.; and a group from Allentown, Pa. Also disclosed is fact that Bing Crosby has minority interest in application of Dick Richards' KMPC, Los Angeles.

This week brought 13 more conditional grants (Supplement No. 33B), so total is now 375. Disclosed among new conditionals is Commission's plan to give New Britain, Conn., one of Hartford's 6 Metropolitan channels; also that Pottsville, Pa., originally down only for Community channels, will get a Metropolitan. The addenda and changes reported in 14H bring total applications on FCC's books beyond 800 mark for first time. If you have Supplements No. 14A to 14H inclusive, you have a complete directory of all FM applications to date.

WHY WE'RE NOT GETTING SETS: Not steel, not condensers, not resistors, but wood is the bottleneck in radio receiver production. Cabinet makers who make radio consoles -- and all but a few FM receivers and all TV sets will be console-type jobs -- are (1) making furniture for their regular customers, (2) not making radio cabinets because, they say, OPA price increases are too low to allow a profit on the narrow margins on which they operate for the radio trade.

This, and other pricing problems of radio set production, was revealed at an RMA press conference last Tuesday after an industry committee saw OPA Administrator Paul Porter. Parts makers, committee members emphasized, are not producing because increase factors granted last year are not sufficient for profitable manufacture. Shortage of materials, wage increases, etc., must be taken into account by OPA and higher ceilings must be fixed, they declared.

Only 300,000 radio sets, practically all AM table models in plastic housings, were produced from V-J Day to Christmas 1945 by 141 manufacturers, RMA reported. In 1941, some 3,500,000 sets were turned out by only 54 firms.

OPA indicated a sympathetic approach to the radio industry problems. RMA has set up a liaison committee to work with pricing agency officials, and is optimistic about quick action. OPA has lifted price controls from transmitters and completed associated equipment -- amplifiers, modulators, rectifiers, control panels and consoles, TV camera units and projectors, synch generators. It warned, however, that if prices jumped too far out of line, controls would be reimposed. Tube manufacturers were also given a ceiling price jump; 15.5% extra when tubes are sold to manufacturers, 20% when shipped to retailers.

BIGGEST TV-FM PROJECT YET: By all odds the biggest investment in TV and FM contemplated by any single entity thus far, is the nearly $5,000,000 which the Los Angeles Times proposes to spend. Onetime owner of what is now Don Lee's KHJ, the newspaper is already holder of a CP for uhf color experimental TV station in Pasadena (Vol. 2, No. 9), being developed in cooperation with California Tech under a $60,000 budget the newspaper is underwriting. The Times-Mirror Co. has also applied for a commercial (black-and-white) TV and an FM outlet to be housed in a Hollywood building and to utilize a common transmitter site atop 5,995-ft. Mt. Disappointment, near Hollywood's famed Mt. Wilson.

It is undoubtedly the most ambitious venture into the new radio arts yet reported, and it is sparked by Publisher Norman Chandler and his consulting engineer, Col. Herbert L. Wilson, who has set up Los Angeles offices at 1000 North Seward St., with Engineer Edward Iannelli in charge.

A 10-story studio and office building, at an as yet undisclosed Hollywood location, will cost $3,000,000, the real estate already having been purchased for $100,000. Both the TV and FM applications must yet go to hearing, but the company is so confident of winning out that it has already had complete architectural and technical plans drawn up and has filed them with the FCC.

The FM station alone represents $279,500, not counting real estate -- transmitter, $94,500; speech input and associated gear, $170,000; antenna, $10,000; lighting, $5,000. The TV items include: transmitter building, $148,000; RCA transmitter, $99,500; antenna, $15,000; water supply, $60,000; auxiliary power, $100,000; cameras and audio equipment, $425,000; scenery and parts, $205,000; furniture, $100,000; film equipment, $20,900; lighting, $10,000; installation, $15,000; engineering, $5,000.

FM LOW POWER GO-AHEAD: In line with its stated policy of encouraging FM stations to get on the air at earliest possible moment, FCC will grant Special Temporary Authorizations (STA) to CP holders. STAs will permit them to broadcast commercially with reduced power until full-power transmitters are available. Nearly all transmitters are made so they can start with 250-watt or 1-kw unit, adding units to achieve higher powers. The STAs are in addition to the several authorizations we reported last week, allowing certain conditional grantees to go on the air noncommercially for 90-day period; frequencies assigned latter are not necessarily the ones they will get when their CPs are issued.

Commission this week also gave assurance that 20 kw, 500 ft. standard discussed by Asst. Chief Engineer Willoughby at Ohio State conference last week (Vol. 2, No. 12) is merely a "guide" for Metropolitan Stations in Area II, not a rigid requirement. Real criterion will be adequate coverage, which will dictate power-height requirements. Examples of variations are the 10 Engineering Approvals for Metropolitans reported in Supplement No. 33.

FEDERAL QUOTING PRICES: Federal Telephone & Radio Co. is quoting $150,000 as price of its 1 kw color TV transmitter with film dissector and basic accessories. Having custom-built some of CBS's uhf color equipment, it has taken no firm orders as yet but says it has "about 6 good prospects." However, it adds, these await establishment of technical standards (which FCC has shown no disposition to do yet) and the issuance of uhf commercial instead of experimental licensees.

FM FORMS SHORTER, SIMPLER: FCC is revising, says it is making shorter and simpler, its Form No. 319 -- "Application for New High Frequency Broadcast Station Construction Permit." Major purpose is to make job of applying for FM stations simpler, particularly for newcomers. Questions will be more directly concerned with FM. Included will be a new Proposed Service section (now Sec. 32 to 35) covering the new program analysis requirements recently propounded. Also, financial statements and engineering exhibits will be "streamlined" for compactness.

Television Digest and FM Reports

Special Report
March 30, 1946

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MEANING OF ORDER VHP-1: Don't be afraid to go ahead with your plans to put up FM or TV stations, notwithstanding the stringent wording of Veteran Housing Order VHP-1, issued March 26. Both FCC, which issues radio permits, and Civilian Production Administration, which will enforce the order, agree it will be possible to construct many radio stations without interference to the Veterans' housing program.

Both FCC and CPA, responding to inquiries Friday, asserted their belief that a considerable number of grantees could get on the air by limiting construction to absolute essentials. This would mean new radio construction can either come under the $1,000 exemption or permittees can apply to local CPA field offices for authorizations.

Thus there will be no "freeze" such as existed in wartime and, as stated in FCC release, "FCC proposes to continue processing applications with the understanding that the final decision as to whether construction will be authorized remains with the CPA."

So if you get an FCC grant, your way is clear. If you began construction before March 26, you can continue without any kind of authorization. If you can put up your station with construction costs under $1,000, you need no approval. Both those terms are in VHP-1.

But if construction amounts to more than $1,000, you must apply for authorization to the nearest CPA field office. And if there is no tight housing situation in your area, you have a good chance to get CPA approval. National Housing Administration reports that housing is not critical in such communities as Scranton, Pa.; Albany-Troy, N.Y.; Norfolk, Va.; Abilene, Tex.; Panama City, Fla., among others.

In areas where housing is tight, your chances are not so good. Some of the cities where this situation obtains are Washington, Atlanta, Denver, Louisville, Houston, Los Angeles. On the other hand, if in those tight communities you specify building materials not in short supply and if labor is plentiful, you have a better than even chance of getting CPA approval. For a listing of critical building materials, get a copy of CPA Priority Regulation 33.

Indications are that the housing crisis is going to change from time to time, from area to area. Norfolk, for example, not now considered a tight area (it has a 3% vacancy rate), only last year was one of the most critical, with a 1.4% vacancy rate. So your local picture may be desperate one month, less critical later. How long VHP-1 will remain in effect, no one in authority will venture to guess.

VHP-1 puts into effect a sort of priority system on building materials and labor. It does not forbid commercial construction in toto.

Issuance of the housing order struck the industry like a bombshell -- especially equipment manufacturers who have been promising early spring or summer delivery of new transmitters, let alone FM-AM combination receivers. For a brief spell, it was felt that all radio construction, particularly FM and TV but also including AM, must come to a stop. Some well-entrenched AM broadcasters even chuckled over the prospect of seeing the parvenu TV and FM set back perhaps for years.

But the joint FCC and CPA statement Friday served at least to ameliorate the blow, indicated that much construction can go forward as planned, roused strong hopes that restrictions will be only temporary.

It was apparent that the FCC was taken unaware by the CPA order, had not been consulted in advance, for its members confessed their puzzlement over their next step during the several days elapsing between issuance of the CPA order and their statement. Nor was the NAB apprised of the proposed restriction until it was issued to the press. On Friday, A. B. Willard Jr., NAB executive v.p., said NAB would file a brief with CPA asking it "to consider the problems created for the various phases of radio broadcasting by the CPA order virtually prohibiting commercial construction."

NAB will explain that predicted broadcast expansions, expected to provide 25,000-50,000 jobs directly and many more thousands indirectly in radio manufacturing industries, cannot be expected if the order sticks. NAB forsees curtailment of the 100 new TV stations predicted by the end of 1947 and the 2,000 FMs expected within 3 years, said Mr. Willard.

FULL TEXT OF FCC STATEMENT ON ORDER VHP-1, MARCH 29

The Federal Communications Commission today issued the following statement concerning the relationship of the Civilian Production Administration's Veterans' Housing Order VHP-1 and the radio licensing policies of the Commission:

During the war the Federal Communications Commission in cooperation with the War Production Board and the Board of War Communications adopted certain policies which substantially "froze" civilian radio production and installation. This freeze was essential because the same materials, factories and personnel were essential to the war effort.

The Civilian Production Administration and the Federal Communications Commission believe that the situation is now materially different and that except for the actual housing structures and facilities (e.g. transmitter houses, studio buildings, etc.) the construction of radio stations would have no adverse effect on the Veterans' Housing Program. It is pointed out that the CPA limitation order does not halt the construction of radio towers, panel boards, transmitters and other similar apparatus or equipment and that the erection of new buildings can go forward if the new construction does not cost in excess of one thousand dollars. If the cost exceeds one thousand dollars, the program must be submitted to the nearest CPA office for authorization where it will be measured by the yard stick of essentiality and non-deferability.

The one thousand dollar figure is the ceiling also for building repairs and alterations. However, there is no cost ceiling on repairs to mechanical equipment.

In view of the above the CPA and the FCC further believe that by limiting the housing plans for radio stations to absolutely essential construction a considerable number of permittees will be able to operate satisfactorily until materials for more elaborate structures become available.

Therefore, the FCC proposes to continue processing applications with the understanding that the final decision as to whether construction will be authorized remains with the CPA. The CPA wishes it emphasized that the issuance of a permit by the Commission does not mean that the required construction will be authorized.

The FCC also stressed that requests for the interpretation of Housing Order VHP-1 should be addressed to nearest Civilian Production Administration construction office and not to the Commission.

Television Digest and FM Reports

Supplement No. 14H
March 30, 1946

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Additions, Amendments and Changes in Log of

Applications for New FM Stations Pending Before FCC

March 1, 1946—March 30, 1946

SEE SUPPLEMENTS NO. 14A TO 14G INCLUSIVE FOR ALL PREVIOUS APPLICATIONS

Note: Data was compiled primarily from FCC License Division files, and is presented as reported by applicant. Since individual requests for channels, power and coverage are dependent on FCC's over-all channeling plan, these have not been included; however, space is left for insertions when individual assignments are granted. Studio locations are not repeated when they are same as applicant's address. Monthly operating costs, where given, are only estimates by applicant—sometimes being all-inclusive and sometimes being mere guess as to cost in addition to present AM operation. Antenna height refers to height above ground. Dagger (†) indicates applicant has no present AM affiliation.

Additions

CALIFORNIA

LOS ANGELES—KMPC, The Station of the Stars Inc., 5939 Sunset Blvd., licensee of AM station KMPC. Principals: G. A. Richards, president, principal stockholder in AM stations WJR, Detroit, and WGAR, Cleveland; R. O. Reynolds, v.p. 10%; Harry L. (Bing) Crosby, 2.1%. Transmitter, Base Line Terrace and Macapa Drive. Estimated cost of plant, $70,000; monthly operating cost, $6,000. Antenna height, 1,190 ft.; above sea level, 1,490 ft. Washington counsel, Dow, Lohnes & Albertson. Channel and power .....

SAN JOSE—FM Radio & Television Corp., 3654 Main St., Riverside, Cal. Principals: W. L. Gleeson, principal stockholder. Same ownership as The Broadcasting Corp. of America, licensee of AM stations KPRO, Riverside, and KROP, Brawley, Cal. Studio, to be determined; transmitter, Copernicus Peak. Estimated cost of plant, $48,600; monthly operating cost, $1,500. Antenna height, 383 ft.; above sea level, 4,755 ft. Washington counsel, LeRoy & Denslow. Washington consulting engineers, Glenn D. Gillett & Associates. Channel and power .....

CONNECTICUT

NEW HAVEN—Connecticut Radio Foundation Inc., 221 Orange St., licensee of AM station WELI. Principals: Harry C. Wilder, president, 14.7% stockholder (authorized to vote for New York Broadcasting Corp., 27.7% stockholder); William A. Ripley, v.p. (authorized to vote for Troy Broadcasting Co. Inc., 28.4%); Thomas W. Rourke, treas; Lewis C. Ryan, secy. Transmitter, Race Brook Rd. Estimated cost of plant, $53,785; no estimate of monthly operating cost. Antenna height, 380 ft.; above sea level, 720 ft. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Lohnes & Culver. Channel and power .....

FLORIDA

PALM BEACH — Palm Beach Broadcasting Corp., South Ocean Blvd., licensee of AM station WWPG. Principals: Charles E. Davis, president-treasurer, 50% stockholder; James A. Bohannon (brewery) v.p.-secy, voting the 50% held by the Ajax Corp. Transmitter, Loxahatchee. Estimated cost of plant, $34,500; no estimate of monthly operating cost. Antenna height, 320 ft.; above sea level, 330 ft. Washington counsel, Bennett & Clagett. Consulting engineers, Holey & Hillegas, Atlanta, Ga. Channel and power .....

GEORGIA

ATLANTA—Regents of the University System of Georgia, for and on behalf of Georgia School of Technology, 90 Forsyth St. NW, licensee of AM station WGST. Principals: Marion Smith (attorney), chairman, Board of Regents; Frank M. Spratlin, chairman, Radio Committee. Transmitter, 10th St. at Williams. Estimated cost of plant, $26,500; monthly operating cost, $4,500. Antenna height, 542 ft.; above sea level, 1,442 ft. Washington counsel, Louis G. Caldwell-Reed T. Rollo. Engineer, Ben Akerman, chief engineer, WGST. Channel and power .....

COLUMBUS—Radio Columbus Inc., 1028 Broadway, licensee of AM station WDAK. Principals: Allen M. Woodall, president, 25% stockholder; Ernest D. Black, v.p. 25%; Rufus M. Lackey, 25%. Mr. Black is also president of WBML, Macon, Ga. Studio, 1028½ Broadway; transmitter, near Columbus. Estimated cost of plant, $41,900; monthly operating cost, $1,500. Antenna height, 330 ft.; above sea level, 930 ft. Washington counsel, Spearman & Roberson. Washington consulting engineers, Lohnes & Culver. Channel and power .....

KANSAS

HUTCHINSON—William Wyse, Stanley Marsh and Bess Wyse d/b as The Nation's Center Broadcasting Co., AM station KWBW. Mr. Wyse (radio and advertising) and Bess Wyse are principal partners. Transmitter, Highway 50S, 3½ miles west of Hutchinson. Estimated cost of plant, $36,800; monthly operating cost, $3,000. Antenna height, 325 ft.; above sea level, 1,825 ft. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Commercial Radio Equipment Co. Channel and power .....

MARYLAND

BALTIMORE—†The Tower Realty Co., 222 E. Baltimore St. Principals: Karl F. Steinman (real estate, attorney) president and principal stockholder; Earl W. Waldron, v.p.; John W. Cable III (real estate, attorney) secy-treas.; Jack Stewart, radio manager. Estimated cost of plant, $31,500. No antenna data. Washington counsel, Cramer & Haley. Washington consulting engineers, McKey & Shaw. Channel and power .....

SILVER SPRING—†Tri-Suburban Broadcasting Corp., 6720 Conway Ave., Takoma Park, Md. Principals: John W. Kluge (paper products), president, 56% stockholder; Bernard J. Nees (attorney, secretary Washington Stock Exchange), v.p.; Joseph L. Brechner (writer, director of radio service, Veterans Administration), secy-treas, 28%. Studio and transmitter, Old Kamps Mill Rd. Estimated cost of installation, $9,600; no estimate of monthly operating cost. Antenna height, 254 ft.; above sea level, 643 ft. Washington counsel, Cohn & Marks. Washington consulting engineers, McKey & Shaw. (Requests Community station.)

MICHIGAN

MT. CLEMENS—†Macomb Publishing Co., 67 Cass Ave., publisher of *Mt. Clemens Monitor-Leader*. Principals: Paul W. McKee, president, Max B. McKee and Mark T. McKee are controlling stockholders; Wallace B. MacLachlan, v.p.; Harold H. Nelson, secy; A. J. Rettig, treas. Studio and transmitter, 67 Cass Ave. Estimated cost of plant, $13,510; monthly operating cost, $800. Antenna height, 175 ft.; above sea level, 765 ft. Washington counsel, Fisher & Wayland. Consulting engineer, Carl H. Wesser, Wyandotte, Mich. (Requests Community station).

MISSOURI

CLAYTON — Evangelical Luthern Synod of Missouri, Ohio and other states, 801 De Mun Ave., licensee of AM station KFUO. Non-profit religious organization. Officers: Rev. J. W. Behnken, president; Rev. H. Harms, v.p.; Rev. M. F. Kretzmann, secy; Mr. W. H. Schlueter, treas. Studio and transmitter, 801 De Mun Ave. Estimated cost of plant, $50,580; monthly operating cost, $800. No antenna data. Consulting engineers, Andrew Co., Chicago. Channel and power .....

NEW YORK

MASSENA—The Brockway Co., S. Main St., licensee of AM stations WMSA, Massena, and WWNY, Watertown, and publisher of the *Watertown Times*. Principals, etc.: see listing under Watertown, N. Y. Transmitter, 300 ft. from WMSA site. Estimated cost of plant, $18,800; monthly operating cost, $1,000. Antenna height, 382 ft.; above sea level, 615 ft. Washington counsel, Fisher & Wayland. Washington consulting engineer, George C. Davis. Channel and power .....

NIAGARA FALLS—The Niagara Falls Gazette Publishing Co., 310 Niagara St., licensee of AM station WHLD and publisher of the *Niagara Falls Gazette*. Principals: A. C. Deuel, president, 90% stockholder; N. F. Maddever, v.p.; Ray M. Van Wagnen, secy-treas. Studio, Hotel Niagara; transmitter, Near Eagle Park. Estimated cost of plant, $60,950; monthly operating cost, $2,500. Antenna height, 400 ft.; above sea level, 1,010 ft. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineers, Kear & Kennedy. Channel and power .....

NEVADA

RENO—†Saviers Electrical Products Corp., P. O. Box 531. Principals: Claude E. Saviers (electrical supplies and paints), president, 100% stockholder; Von L. Edwards, secy; Margaret L. Baker, treas. Studio and transmitter, Second and West Sts. Estimated cost of plant, $13,150; monthly operating cost, $1,200. Antenna height, 202 ft.; above sea level, 4,797 ft. Counsel, R. K. Wittenberg, Reno. Consulting engineer, Robert L. Weeks, San Francisco. Channel and power .....

NORTH CAROLINA

ASHEVILLE—Radio Station WISE Inc., 100 College St., licensee of AM station WISE. Principals: Harold Thoms, president, 98% stockholder and 25% owner of AM stations WAYS, Charlotte, N. C., and WKIX, Columbia, S. C.; George R. Thoms, v.p.; Meredith S. Thoms, secy. Transmitter, 1½ miles east of business section. Estimated cost of plant, $23,000; monthly operating cost, $600. Antenna height, 414 ft.; above sea level, 3,114 ft. Washington counsel, Pierson & Ball. Washington consulting engineer, George C. Davis. Channel and power .....

GREENVILLE—J. J. White tr/as Greenville Broadcasting Co., Falkland Highway, licensee of AM station WGTC. Mr. White also has interests in automobile sales, real estate, insurance. Transmitter, Falkland Highway, 1½ miles west of Greenville. Estimated cost of plant, $26,850; monthly operating cost, $800. Antenna height, 308 ft.; above sea level, 372 ft. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineer, John Barron. Channel and power .....

RALEIGH—A. J. Fletcher, P. O. Box 1406, attorney, majority stockholder in AM station WRAL. Studio and transmitter, to be determined. Estimated cost of plant, $27,450; monthly operating cost, $1,000. No antenna data. Washington consulting engineer, John J. Keel. Channel and power .....

OHIO

DAYTON—†Moraine Broadcasters Inc., 111 E. Fourth St. Principals: Lt. Col. Lewis B. Rock (president, *Dayton Journal-Herald*), president and principal stockholder; John W. Sweeterman, v.p.; Frank E. Mason, v.p.; Lt. Col. F. O. Grasshoff, treas; Cpl. Robert J. Duckro, secy. Transmitter, Fourth Ave. and St. Clair St. Estimated cost of plant, $68,000; monthly operating cost, $4,000. Antenna height, 500 ft.; above sea level, 1,240 ft. Washington counsel, Segal, Smith & Hennessey. Washington consulting engineer, Worthington C. Lent. Channel and power .....

OREGON

ASHLAND—†Siskiyou Broadcasting Co. Inc., 150 N. Main. Principals: George M. Green, president and principal stockholder; Harry R. Morris, v.p.; Elmer C. Biegel, secy; Mrs. Marian N. Green, treas. Studio and transmitter, 2¼ miles north of Ashland. Estimated cost of plant, $23,750; monthly operating cost, $1,500. No antenna data. Counsel, Wm. M. Briggs, Ashland. Consulting engineer, J. B. Hatfield, Seattle. (Requests Community station.)

PENNSYLVANIA

ALLENTOWN—†Penn-Allen Broadcasting Co., Allentown National Bank Bldg. Principals: Raymond F. Kohn, president, 22.64% stockholder; Millard L. Fisk, v.p.; Jackson H. Frederick, secy, 21.7%; John C. Pratt, treas, 21.7%. All four officers are ex-servicemen. Studio and transmitter, Sixth and Hamilton Sts. Estimated cost of plant, $14,454; monthly operating cost, $1,565. Antenna height, 409 ft.; above sea level, 758 ft. (Requests Community station.)

ALTOONA—Altoona Broadcasting Co., 1501 Eleventh Ave. Principals: H. T. Wolf (furniture, hotel), president, 25% stockholder; J. S. Woods (silica sand), v.p. 25%; T. C. Mathews (silica sand, banking) treas, 25%. Same interests control Lewistown Broadcasting Co., licensee of AM station WMRF, Lewistown, Pa. Transmitter, Bell Ave. at 25th St. Estimated cost of plant, $17,950; monthly operating cost, $750. Antenna height, 154 ft.; above sea level, 1,434 ft. Washington counsel, Dow, Lohnes & Albertson. Washington consulting engineer, George C. Davis. Channel and power .....

McKEESPORT—†Mon-Yough Broadcasting Co., 507 Locust St. Principals: George R. Raikes (retired 5 & 10 executive), president, 22.2% stockholder; Robert M. Cox (wearing apparel), v.p., 22.2%; George W. Munnell (attorney), secy-treas. Studio, to be determined; transmitter, Lincoln Township. Estimated cost of plant, $11,400; monthly operating cost, $500. Antenna height, 229 ft.; above sea level, 1,400 ft. Washington counsel, Cohn & Marks. Washington consulting engineers, Weldon & Carr. (Requests Community station.)

OIL CITY—Kenneth E. Rennekamp (attorney), 513 Berger Bldg., Pittsburgh, Pa., licensee of AM station WKRZ, Oil City. Studio, 232 Seneca St.; transmitter, to be determined. Estimated cost of plant, $47,600; no estimate of monthly operating cost. Antenna height, 300 ft. Washington counsel, Cohn & Marks. Washington consulting engineer, John Barron. Channel and power .....

SOUTH CAROLINA

LANCASTER—†Lancaster Broadcasting Co., P. O. Box 551. Principals: Springs Foundation Inc., non-profit education and charitable institution, Elliott W. Springs, president; H. R. Rice, v.p., J. C. Hubbard, treas; A. Z. F. Wood, secy. Studio and transmitter, 1.9 miles east of Lancaster. Estimated cost of plant, $43,200; monthly operating cost, $2,760. Antenna height, 427 ft.; above sea level, 1,037 ft. Washington counsel, Miller & Schroeder. Consulting engineer, William E. Benns Jr., Columbia, S. C. Channel and power .....

TEXAS

DENTON—Harwell V. Shepard, 300 W. Ross St., licensee of AM station KDNT and funeral home manager. Transmitter, Kimbrough Bldg. Estimated cost of plant, $16,200; monthly operating cost, $200. Antenna height, 190 ft; above sea level, 785 ft. Consulting engineer, Guy C. Hutcheson, Palestine, Tex. Channel and power .....

FORT WORTH—†Lone Star Broadcasting Co., a co-partnership, 1415 Grand Ave. Principals: Maj. David H. Rankin (radio advertising sales); J. Lee Rankin (attorney). Studio and transmitter, to be determined. Estimated cost of plant, $24,700; monthly operating cost, $500. No antenna data. Counsel, Beghtol & Rankin, Lincoln, Neb. Channel and power .....

FORT WORTH—Tarrant Broadcasting Co., 1201 W. Lancaster St., licensee of AM station KFJZ. Principals: Ruth G. Roosevelt Eidson, 99% stockholder; Gene L. Cagle, president; R. K. Hanger, v.p.; Frances Griffith, secy; D. C. Hornburg, treas. Interlocking ownership with Texas State Network Inc., having interests in AM stations KNOW, Austin; WACO, Waco; KABC, San Antonio. Studio and transmitter, 1201 W. Lancaster St. Estimated cost of plant, $44,860; monthly operating cost, $2,500. Antenna height, 350 ft. Washington counsel, Hayes & Hayes. Washington consulting engineers, Commercial Radio Equipment Co. Channel and power .....

SAN ANTONIO—The Alamo Broadcasting Co., Milam Bldg., licensee of AM station KABC. Principals: R. E. Willson, president, 30% stockholder; Gene L. Cagle, v.p. and secy; Charles F. Roeser (oil) 29%; Ruth G. Roosevelt Eidson, 26%. Interlocking ownership with Texas State Network Inc., having interest in AM stations KNOW, Austin, KFJZ, Fort Worth; WACO, Waco. Transmitter, 115 W. Travis St. Estimated cost of plant, $41,860; monthly operating cost, $3,500. Antenna height, 404 ft.; above sea level, 1,116 ft. Washington counsel, Hayes & Hayes. Washington consulting engineers, Commercial Radio Equipment Co. Channel and power .....

VERMONT

RUTLAND—Philip Weiss tr/as Philip Weiss Music Co., 80 West St., licensee of AM station WSYB. Transmitter, Creek Rd. No estimate of plant or operating costs. Antenna height, 90 ft.; above sea level, 630 ft. (Requests Community station.)

VIRGINIA

RICHMOND—Thomas G. Tinsley Jr., Broad-Grace Arcade, licensee of AM station WLEE, Richmond, and controlling stockholder of AM station WITH, Baltimore. Transmitter, 1705 Colorado Ave. Estimated cost of plant, $29,800; monthly operating cost, $500. Antenna height, 329 ft.; above sea level, 489 ft. Washington counsel, Kremer & Bingham. Washington consulting engineers, Chambers & Garrison. Channel and power .....

WEST VIRGINIA

HUNTINGTON—†Mayflower Broadcasting Co. Inc., 414 Eleventh St. Principals: Nicholas J. Tweel (dairy store), president, 33⅓% stockholder; Norman J. Tweel (student), v.p., 33⅓%; Charles T. Tweel (dairy store), secy-treas, 33⅓%. Estimated cost of plant, $16,500; monthly operating cost, $1,500. Antenna height, 356 ft.; above sea level, 911 ft. Counsel, John G. Hudson, Huntington. Washington consulting engineer, George C. Davis. (Requests Community station).

WISCONSIN

WAUSAU—Northern Broadcasting Co. Inc., 125 Third St., licensee of AM station WSAU. Principals: W. E. Walker, president, 52.5% stockholder; E. W. Walker, v.p.; Donald R. Burt, secy-treas, 47%. Mr. W. E. Walker is also 50% owner of AM station WMAM, Marinette, Wis. Transmitter, Highway WW, Texas, Wis. Estimated cost of plant, $43,100; monthly operating cost, $1,000. Antenna height, 320 ft.; above sea level, 1,840 ft. Washington counsel, Fisher & Wayland. Washington consulting engineers, Ring & Clark. Channel and power .....

Applications Dismissed or Withdrawn

CALIFORNIA

LOS ANGELES—National Broadcasting Co. (withdrawn, request of applicant; NBC already operates WEAF-FM and has five other applications pending).

PASADENA—Eliminate listing for The Times-Mirror Co., which is applicant only for commercial FM in Los Angeles and has received experimental high frequency TV grant for Pasadena (see Vol. 2, No. 9). Pasadena TV application was inadvertently included in FCC's commercial FM files.

DISTRICT OF COLUMBIA

WASHINGTON—The Crosley Corp. (withdrawn, change of plans).

WASHINGTON — Marcus Loew Booking Agency. (withdrawn, change of plans).

WASHINGTON—Eleanor Patterson tr/as The Times-Herald Co. (withdrawn, change of plans).

GEORGIA

COLUMBUS — Valley Broadcasting Co. (request of applicant; several partners are principals of Radio Columbus Inc., recent applicant).

ILLINOIS

CHICAGO—Oak Park Realty and Amusement Co., subsidiary of Loew's, Inc. (withdrawn, change of plans).

INDIANA

GARY—Gary Broadcasting Corp. (returned, request of applicant).

NORTH DAKOTA

FARGO—Northwest Broadcasting Co. (returned, incomplete).

OHIO

AKRON—United Broadcasting Co. (withdrawn, change of plans).

COLUMBUS—The Ohio Council of Farm Cooperatives (applications for four stations with transmitters in Lebanon, Dalton, Lancaster and Dunkirk returned, incomplete).

PENNSYLVANIA

PITTSBURGH—Scripps-Howard Radio Inc. (withdrawn, change of plans).

VIRGINIA

VIENNA—Edwin H. Armstrong, C. M. Jansky Jr. and Stuart L. Bailey d/b as FM Development Foundation (withdrawn, change of plans).

Amendments and Changes

ARKANSAS

FORT SMITH—KWHN Broadcasting Co. Inc. Change transmitter to 3.6 miles NE of Monroe, Okla.

CALIFORNIA

LOS ANGELES—Dorothy S. Thackrey. Change call letters of AM station from KMTR to KLAC.

SALINAS—Luther E. Gibson. Transmitter site is Mt. Madonna, approximately 23½ miles north of Salinas.

COLORADO

PUEBLO—Curtis P. Ritchie. Change name of applicant to Colorado Broadcasting Co.; Gifford Phillips, principal stockholder. (Sale of AM station KGHF approved by FCC March 28, 1946.)

CONNECTICUT

STAMFORD—The Western Connecticut Broadcasting Co. Change address to 270 Atlantic St.

DISTRICT OF COLUMBIA

WASHINGTON—Everett L. Dillard tr/as Commercial Radio Equipment Co. Transmitter site is on Viers Mill Road north of Connecticut Ave. extended, Wheaton, Md.

WASHINGTON — Potomac Cooperative Federation Inc. Change name to Potomac Broadcasting Cooperative Inc. Studio, 2621 Virginia Ave. Transmitter, south of North Powhatan St., west of Little Falls, Arlington County, Va.

FLORIDA

JACKSONVILLE—City of Jacksonville. Transmitter site is Municipal Golf Course, Hyde Park.

MIAMI — Fort Industry Co. Change call letters of AM station from WFTL to WGBS.

GEORGIA

DUBLIN—Dublin Broadcasting Co. George T. Morris now sole owner. Delete all other names.

MOULTRIE—Frank R. Pidcock Sr. Change name of owner to John F. Pidcock. (assignment of conditional grant authorized by FCC March 28, 1946).

ILLINOIS

ROCK ISLAND—Rock Island Broadcasting Co. Newspaper affiliate is *Rock Island Argus*, not *Argus-Dispatch*.

KENTUCKY

LOUISVILLE—Northside Broadcasting Corp. Eliminate reference to S. A. Cisler Jr., no longer connected with company, or with WATL and WHBB.

MASSACHUSETTS

BOSTON—Unity Broadcasting Corp. of Massachusetts. Transmitter site is Tion Hill, Woburn, Mass.

MICHIGAN

GRAND RAPIDS—Lear Inc. Studio and transmitter, 110 Ionia Ave. N.W.

NEW YORK

BROOKLYN—Elias I. Godofsky. (Application amended to specify Community station, Hempstead, N. Y.)

OKLAHOMA

LAWTON—Oklahoma Quality Broadcasting Co. Indicate applicant as licensee of AM station KSWO.

OREGON

GRANTS PASS—Southern Oregon Broadcasting Co. Address is c/o Amos E. Voorhies, Box 43.

PENNSYLVANIA

POTTSVILLE—John W. Grenoble, Joseph L. Maguire, John T. Maguire and Kenneth F. Maguire d/b as Miners Broadcasting Service. Change name to Joseph L. Maguire, Kenneth Maguire, John T. Maguire, John Grenoble, Evan Evans, Patrick J. McCall, James Kock and James J. Curran d/b as Miners' Broadcasting Service.

TEXAS

DALLAS—Dalworth Broadcasting Co. List applicant for Grand Prairie, not Dallas.

WASHINGTON

SPOKANE—Louis Wasmer Inc. Change name to Spokane Chronicle Co., publisher of *Spokane Chronicle & Review*. (Sale approved by FCC.)

Television Digest and FM Reports

TV-FM BUILDING • 1519 CONNECTICUT AVE. N.W. • WASHINGTON 6, D. C. • TELEPHONE MICHIGAN 2020

Supplement 33B
March 30, 1946

Current

CONDITIONAL GRANTS TO APPLICANTS FOR NEW FM STATIONS

Grants issued since our last Cumulative Log (Supplement No. 33)

Cumulative Logs are issued periodically; meanwhile, add these to Supplement No. 33 and 33A

Full Data on These Applicants Can Be Found in Supplements 14A to 14H Inclusive

Dagger (†) indicates Metropolitan station. Double dagger (‡) Metropolitan, possibly Rural. Asterisk (*) Community Station

Conditional Grants March 28, 1946

City	Applicant	AM Affiliate
Birmingham, Ala.....	† Birmingham Broadcasting Co., Inc.	WBRC
New Britain, Conn.....	† The New Britain Broadcasting Co.	----1/
Dublin, Ga.....	† George T. Morris and J. Newton Thompson, d/b as Dublin Broadcasting Co.	WMLT
Mt. Vernon, Ill.....	† Mt. Vernon Radio & Television Co.	----
Muncie, Ind.....	† Donald A. Burton	WLBC
Des Moines, Iowa.....	‡ Kingsley H. Murphy	KSO
Bay City, Mich.....	‡ Bay Broadcasting Co., Inc.	WBCM
Owosso, Mich.....	* The Argus-Press Co.	----
Lincoln, Neb.....	‡ KFAB Broadcasting Co.	KFAB
Oklahoma City, Okla.....	† Sooner Broadcasting Co.	----
Pottsville, Pa.....	† Joseph L. Maguire, et al, d/b as Miners Broadcasting Co.	----2/
Reading, Pa.....	† Berks Broadcasting Co.	WEEU
Marshfield, Wis.....	* Dairyland's Broadcasting Service, Inc.	----

1/ Also holder of CP for new AM station (1 kw daytime on 840 kc). Since New Britain was not allocated any FM channels, FCC indicates this Metropolitan Channel will be taken from Hartford allocations (Supplement No. 18).

2/ Pottsville is not now allocated any Metropolitan Channel, but FCC indicates one will be made available.

BACKFIRES AND MORE DROPOUTS: Even as the TV go-ahead proponents were building backfires against CBS's wait-for-color offensive, still more TV applications were withdrawn this week. Latest withdrawals: Loyola University (WWL), New Orleans; and three from Pittsburgh -- Scripps-Howard, WCAE Inc. (Hearst), and Allegheny Broadcasting Co. (KQV). Thus Maison Blanche (WSMB) and the still-to-be-filed Times-Picayune applications are the only ones left for New Orleans' 5 channels; Westinghouse and DuMont alone are now seeking Pittsburgh's 4.

In its annual report for 1945 issued Tuesday, CBS again whacks black-and-white, reasserting its conviction that "until a full-fledged television audience is created, there can be little expectation of the income necessary to put television on a self-supporting basis." For this reason, it states, it "militantly sponsors color television in the ultra-high frequencies" -- so militant a campaign that it has accounted in large part for the many dropouts (though TV's high cost is doubtless an even stronger factor).

Before Cleveland's Federation of Women's Clubs, NBC's Jack Royal countered the CBS campaign by asserting: "There are some who -- crying in the wilderness -- are suggesting that television should wait for color. I feel that to be an absurd statement. Our country was not made great by waiting. Progress never waits." This statement came shortly before Radio Daily took a poll of newsmen covering the UNO sessions who were asked after watching TV coverage on 12 RCA video receivers in the "overflow chamber" at Hunter College: "Do you think television in its present black-and-white form is acceptable, or should it wait for color?" Radio Daily said 80% of those polled were for today's TV, against waiting. But it did not indicate how many of the 700 correspondents were polled.

NBC immediately seized upon this for publicity purposes. It also got a good news play on its UNO video job, which included closed-circuit transmissions to 6 more TV receivers in Radio City besides the room-to-room showings at Hunter College. There were no telecasts on the air because its WNBT is shut down for reconversion to new channel. Images generally were reported excellent.

THE HOPE IS FM: FCC's provocative Blue Book on commercial broadcasting (Vol. 2, No. 10) has apparently signalized an open season for radio critiques. Whether by design or coincidence, two books that also give radio a hiding have just been published -- Charles A. Siepmann's "Radio's Second Chance" (Little, Brown & Co. $2.50) and Morris L. Ernst's "The First Freedom" (McMillan, $3). Both see in FM, with its potential of many more stations and more, better and specialized programs, the answer to their objections to present broadcasting. Siepmann, British-born, ex-BBC employe, recent FCC consultant, doesn't like the "economic controls" he discerns being exerted over today's radio, uses FM as the cue for his title. His book is literally a restatement of the FCC Blue Book (now available from the Commission in printed form) and of Commissioner Durr's recent speeches. Mr. Ernst, crusading New York attorney, preaches his perennial theme -- "the curse of bigness" -- and includes chapters on newspapers and movies as well as radio.

ALL FROM ONE TOWER: Twelve FM, 6 uhf color TV, 4 black-and-white TV antennas, plus various pulse-time modulation units for microwave transmissions -- these and other radio services will be possible simultaneously from the single 300-ft. tower which Federal Radio & Telephone Co. is installing at Nutley, N.J. That such common antenna towers should be used by TV and FM broadcasters, sharing them rather than each building his own, was recommended by Col. Sosthenes Behn, IT&T president, at the ground-breaking ceremony last week. Project, scheduled for completion by end of this year, incorporates (after fashion of Paris' famed Eiffel Tower) facilities for housing transmitters, studios, lounges etc. at base of tower and on platforms part way up. Eiffel Tower, incidentally, is now being turned back to French by Army Signal Corps, according to Paris dispatches, and all U.S. radio equipment is being dismantled and shipped back to States.

TELEVISION NOTES: DuMont stockholders voted this week to increase Class A stock from 1,120,000 to 2,440,000 (only 1,046,040 outstanding), and amended charter to provide that Class A stockholders elect 5 of company's 8 directors instead of previous 4; Class B stockholders (who include Paramount) elect 3 instead of 4. Increase in stock permits acquiring additional funds when needed .... Washington TV grants (Vol. 2, No. 10) were complicated by Evening Star's petition this week for Channel No. 4 or 5 instead of No. 7 first designated; claims low frequencies better, equipment more readily available. FCC accordingly gave all parties, including DuMont which gets the fourth channel in view of Philco's withdrawal, until April 8 to make channel claims, and may then assign without holding scheduled April 17 oral arguments .... RCA is now converting TV sets to new channels, charging service fee; and Television Technicians Inc. (George F. Duvall) 7911 Third Ave., Brooklyn, is converting sets in New York area for $15 including pickup and delivery .... Loew's is one film concern unafraid TV will hit movie-going habits; it feels that once the novelty wears off, people, being gregarious, will resume weekly visits to movie around the corner, according to recent Loew's Theaters Newsletter .... American Broadcasting Co., planning to expand its TV dept. in June, reported lining up General Motors for commercial video .... Applicant for TVs in New York, Chicago and Waltham, Raytheon Mfg. Co. this week named J. Ernest Smith, with RCA research for last 12 years, as head of its microwave communication engineering .... Facilities for screen projection of TV are included in plans for new 2,500-seat movie house which RKO plans in Far Rockaway, Long Island .... Answer to TV studios' torrid temperatures is reported found by DuMont -- a glass shield that absorbs 90% of light's heat. DuMont is said to be dickering for sole distribution rights with American Optical Co., developer of heat sponge .... Milwaukee Journal reports its TV station WMJT, for which it has held a CP since prewar, should be on air late in 1947....RCA claims improved TV signals, particularly in service area fringes, with new antenna-receiver cable utilizing new plastics for uniform separation of wires.

VETS BECOMING 'HAMS': Look for a big market for amateur radio equipment, now that so many radio-trained veterans are back in mufti. William J. Halligan, chairman of RMA amateur activities section, forecasts more than 1,000,000 "hams" within the next few years. He predicts an early addition of 250,000 to 500,000 inasmuch as Government, unlike post-World War I period, is now encouraging the amateur. Many stores are already promoting surplus war equipment suitable for "ham" stations. Amateurs in past have been backbone not only of radio's technical manpower, but have been responsible for many of the major developments in electronics arts.

NEWS AND VIEWS: Petrillo Bill, approved this week by Senate-House conferees with one minor change -- word "extraction" replacing "tribute" -- repassed House Friday 186 to 16, and Senate is expected to act next week. Next, NAB industry committee meets April 7 in New York to prepare for sessions with Petrillo and AFM board next day .... Col. Jack DeWitt, Army radar's shoot-the-moon expert, recently CO of Belmar, N.J., radio labs, formerly chief engineer of Nashville's WSM and WSM-FM, got his discharge last Monday, is contemplating consulting practice in Washington .... Finch Telecommunications announces two new types of facsimile transmitter-receiver units, reproducing 30,000 and 9,600 words per hour respectively. Early fall delivery is expected for the 75-lb, 16x16x12" machines. Units can be used on any channel handling subcarrier frequency of 1.3 kc (300-2300 cps) .... Detroit News' WENA went on the air this week with new 1 kw REL converter for dual operation on 44.5 and 96.9 mc bands .... Philadelphia Inquirer, keen about radio since acquiring WFIL and WFIL-FM, will underwrite Temple U's new School of Radio .... NAB President Justin Miller wired President Truman Friday urging remaining vacancy on FCC (Democrat) be filled by practical broadcast operator, asserting radio is not a public utility yet many members have been named from utility regulatory bodies or utility interests....Capt. Pierre Boucheron, Farnsworth general sales manager, is now also managing company's broadcast division in charge of all AM, FM and TV activities....Your set of 60 FM Channel Maps, plus extra blanks, which we are printing as a service to subscribers, will be in mails to you in about a week.