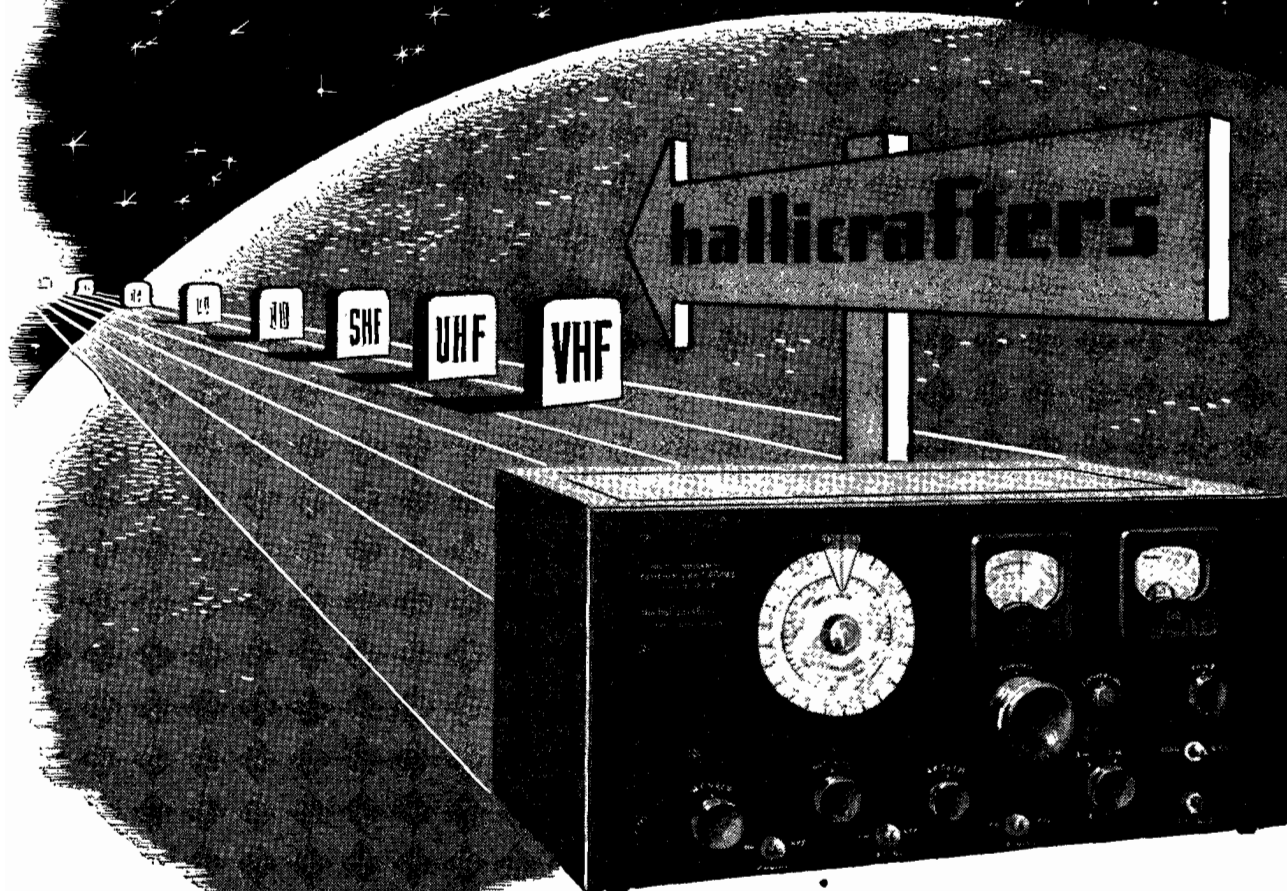


new directions in radio . . .



*New directions
in radio will
be charted by
Hallicrafters*

As radio development moves onward and upward, Hallicrafters engineers are setting the pace, pushing back the horizons in the exciting fields of very high frequency, ultra high frequency, and super high frequency development work. The range of the Model S-37 illustrated here covers higher frequencies than any other continuous tuning commercial type receiver. It is becoming a prime instrument of experiment and research in marking out the new directions that all radio will take,



hallicrafters RADIO

Buy a War Bond Today!



International Broadcasting Stations of the United States and Canada

Authorized by FCC as of January 1, 1945

Note: Under wartime arrangements made in October-November, 1942, these U. S. shortwave stations are leased by the licensees to the Government, and are programmed by the Office of War Information and the Coordinator of Inter-American Affairs. Other shortwave radiophone stations are also used in their special networks, the complete setup of which is necessarily withheld. Also unannounced are the changes of frequency often required. Rules governing these licenses were suspended or altered, including suspension of the normal license term of one year.

Call Letters	Licensee and Transmitter Location	Frequency in mc.	Power in Watts	Call Letters	Licensee and Transmitter Location	Frequency in mc.	Power in Watts
KWID	The Associated Broadcasters Inc. San Francisco, Cal.	6.06, 7.23, 9.57, 11.87, 15.29, 17.76, 21.61,	100,000	†KNBX	National Broadcasting Co. Inc. Near Dixon, Cal.	.....	50,00
KWIX	The Associated Broadcasters Inc. San Francisco, Cal.	6.06, 7.23, 9.57, 11.87, 15.29, 17.76, 21.61	50,000	WNRA	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 21.63.	50,00
†KCBF	Columbia Broadcasting System Inc. Delano, Cal.	.....	50,000	†WNRE	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 21.63.	50,000
†KCBA	Columbia Broadcasting System Inc. Delano, Cal.	.....	50,000	WNRI	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 21.63.	50,000
WCBN	Columbia Broadcasting System Inc. Brentwood, L. I., New York	6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57,	50,000	WNRX	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 21.63.	50,000
WCBX	Columbia Broadcasting System Inc. Brentwood, L. I., New York	6.06, 6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57 SA- 9.49 SA- 9.59 SA-15.267 in lieu of 15.27	50,000	WRCA	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 17.78, 21.63 SA-11.893	50,000 (100,000 on 9.6)
WCDA	Columbia Broadcasting System Inc. Brentwood, L. I., New York	6.06, 6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57 SA- 9.49 SA- 9.59 SA-15.267 in lieu of 15.27	10,000	WBOS	Westinghouse Radio Stations Inc. Hull, Mass.	6.14, 9.57, 11.87, 15.21, 17.78, 21.54,	50,000
WCRC	Columbia Broadcasting System Inc. Brentwood, L. I., New York	6.06, 6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57 SA- 9.49 SA- 9.59 SA-15.267 in lieu of 15.27	50,000	WRUA	World Wide Broadcasting Corp. Scituate, Mass.	6.04, 9.7, 11.73, 15.35, 17.75, 21.46.	50,000
WOOC	Columbia Broadcasting System Inc. Wayne, N. J.	6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57,	50,000	WRUL	World Wide Broadcasting Corp. Scituate, Mass.	6.04, 11.73, 11.79, 15.13, 15.36, 17.75, 21.46	50,000
WOOW	Columbia Broadcasting System Inc. Wayne, N. J.	6.12, 6.17, 9.65, 11.83, 15.27, 17.83, 21.52, 21.57,	50,000	WRUS	World Wide Broadcasting Corp. Scituate, Mass.	6.04, 9.7, 11.73, 15.35, 17.75, 21.46	50,000
WLWK	The Crosley Corp. Mason, O.	6.08, 9.59, 11.71, 15.25, 17.8, 21.65,	50,000	WRUW	World Wide Broadcasting Corp. Scituate, Mass.	9.7, 11.73, 11.79, 15.13, 15.35, 17.75, 25.6	20,000
WLWL	The Crosley Corp. Mason, O.	6.08, 9.59, 11.71, 15.25, 17.8, 21.65,	200,000	WRUX	World Wide Broadcasting Corp. Scituate, Mass.	.....	7,000
WLWO	The Crosley Corp. Mason, O.	6.08, 9.59, 11.71, 15.25, 17.8, 21.65,	75,000	† Construction permit SA-Special Authorization.			
WLWR	The Crosley Corp. Mason, O.	6.08, 9.59, 11.71, 15.25, 17.8, 21.65,	200,000	CANADA			
WLWS	The Crosley Corp. Mason, O.	6.08, 9.59, 11.71, 15.25, 17.8, 21.65,	200,000	Call Letters	Licensee and Transmitter Location	Frequency in mc.	Power in Watts
KGEE	General Electric Co. Near Belmont, Cal.	6.19, 7.25, 9.53, 9.55, 11.78, 15.21, 15.33	50,000	CFCX	Canadian Marconi Co., Montreal Montreal, Que.	60.05	75
KGEX	General Electric Co. Belmont, Cal.	.....	100,000	CFRX	Rogers Radio Broadcasting Co. Ltd., Toronto Township of King, Ont.	60.7	1,000
WGEA	General Electric Co. So. Schenectady, N. Y.	6.19, 7, 9.65, 11.8475, 15.33, 21.5, 21.59 SA- 9.53	50,000	CFVP	Voice of the Prairies Ltd., Calgary, Alta. Strathmore, Alta.	60.3	100
WGEO	General Electric Co. So. Schenectady, N. Y.	6.19, 7, 9.63, 11.8475, 15.33	100,000	CHNX	Maritime Broadcasting Co. Ltd., Halifax, N. S. Bedford, N. S.	61.3	500
WGEX	General Electric Co. So. Schenectady, N. Y.	.....	25,000	CJCX	Eastern Broadcasters Ltd., Sydney, N. S. South Bar Road near Sydney, N. S.	60.1	1,000
WNBI	National Broadcasting Co. Inc. Bound Brook, N. J.	6.1, 9.67, 11.89, 15.15, 15.19, 17.78, 21.63 SA-11.893	50,000 (100,000 on 9.67)	CKRO	Transcanada Communications Ltd., Winnipeg, Man. Middlechurch, Man.	61.5	2,000
KNBA	National Broadcasting Co. Inc. Near Dixon, Cal.	.....	50,000	CKRX	Transcanada Communications Ltd., Winnipeg, Man. Middlechurch, Man.	117.2	2,000
KNBC	National Broadcasting Co. Inc. Near Dixon, Cal.	.....	50,000	CKFX	Western Broadcasting Co. Ltd., Vancouver, B. C. Lulu Island, B. C.	60.8	10
				CBFW	Canadian Broadcasting Corp., Montreal Veicheres, Que.	60.9	7,500
				CBFX	Canadian Broadcasting Corp., Montreal Veicheres, Que.	96.3	7,500
				CBFY	Canadian Broadcasting Corp., Montreal Veicheres, Que.	117.05	7,500
				CBFZ	Canadian Broadcasting Corp., Montreal Veicheres, Que.	151.9	7,500
				CBRX	Canadian Broadcasting Corp., Vancouver, B. C. Lulu Island, B. C.	61.6	150
				VE9AI	Edmonton Journal Ltd., Edmonton, Alta.	60.05	200
				VE9AI	Edmonton Journal Ltd., Edmonton, Alta.	95.4	200
				CKOB	Canadian Broadcasting Corp., Montreal Sackville, N. B.	6.09	50,000
				CKLO	Canadian Broadcasting Corp., Montreal Sackville, N. B.	9.63	50,000
				CKXA	Canadian Broadcasting Corp., Montreal Sackville, N. B.	11.705	50,000
				CKCX	Canadian Broadcasting Corp., Montreal Sackville, N. B.	15.19	50,000
				CKNC	Canadian Broadcasting Corp., Montreal Sackville, N. B.	17.82	50,000
				CHAC	Canadian Broadcasting Corp., Montreal Sackville, N. B.	6.16	50,000
				CHLS	Canadian Broadcasting Corp., Montreal Sackville, N. B.	9.61	50,000
				CHMD	Canadian Broadcasting Corp., Montreal Sackville, N. B.	9.64	50,000
				CHOL	Canadian Broadcasting Corp., Montreal Sackville, N. B.	11.72	50,000

KMBC-FM

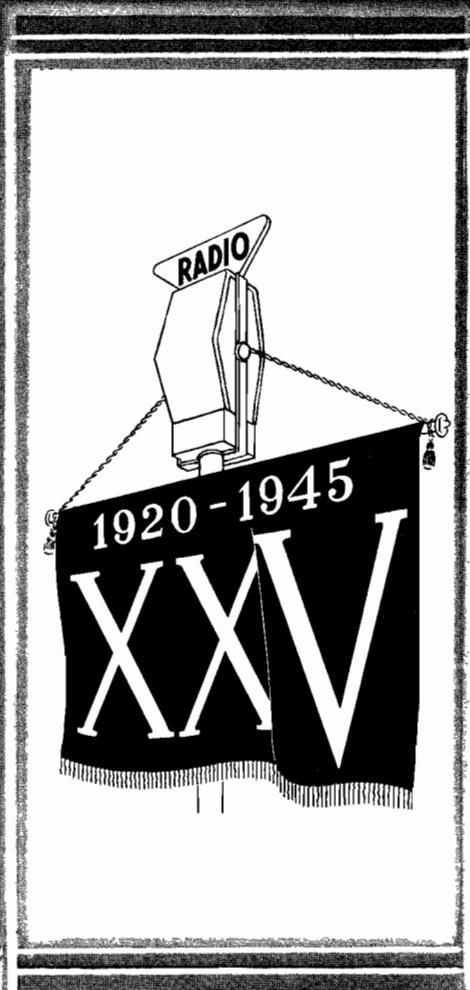
K

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B

C

**CBS BASIC
AFFILIATE**



KPLR

CTORY OF U. S. BROADCASTING STATIONS BY CALL LETTERS

* Denotes new station authorized but not yet in operation as of January 1, 1945

(Continued from page 407)

WJW.....Cleveland, O.	WLUF.....Orlando, Fla.	WNAD.....Norman, Okla.	WPTF.....Raleigh, N. C.	WSM.....Nashville, Tenn.	WWJ.....Detroit, Mich
*WJXN.....Jackson, Miss.	WLOG.....Logan, W. Va.	WNAX.....Yankton, S. D.	WQAM.....Miami, Fla.	WSMB.....New Orleans, La.	WWL.....New Orleans, La
WJZ.....New York, N. Y.	WLOK.....Lima, O.	WNBF.....Binghamton, N. Y.	WQAN.....Scranton, Pa.	WSNJ.....Bridgeton, N. J.	WWNC.....Asheville, N. C.
WJZM.....Clarkesville, Tenn.	WLOL.....Minneapolis, Minn.	WNBH.....New Bedford, Mass.	WQBC.....Vicksburg, Miss.	WSNY.....Schenectady, N. Y.	WWNY.....Watertown, N. Y.
WKAQ.....San Juan, Puerto Rico	WLPM.....Suffolk, Va.	WNBZ.....Saranac Lake, N. Y.	WQXR.....New York, N. Y.	WSOC.....Charlotte, N. C.	WWPG.....Palm Beach, Fla.
WKAR.....East Lansing, Mich.	WLS.....Chicago, Ill.	WNEL.....San Juan, Puerto Rico	WRAC.....Williamsport, Pa.	WSON.....Henderson, Ky.	WWRL.....Woodside, N. Y.
WKAT.....Miami Beach, Fla.	WLVA.....Lynchburg, Va.	WNEW.....New York, N. Y.	WRAL.....Raleigh, N. C.	WSOO.....Sault Ste. Marie, Mich.	WWSR.....St. Albans, Vt
WKBB.....Dubuque, Ia.	WLW.....Cincinnati, O.	WNHC.....New Haven, Conn.	WRAP.....Reading, Pa.	WSOY.....Decatur, Ill.	WWSW.....Pittsburgh, Pa
WKBB.....LaCrosse, Wis.	WMAL.....Washington, D. C.	WNOE.....New Orleans, La.	WRBL.....Columbus, Ga.	WSPA.....Spartanburg, S. C.	WWVA.....Wheeling, W. Va
WKBN.....Youngstown, O.	WMAM.....Marinette, Wis.	WNOX.....Knoxville, Tenn.	WRD.....Washington, D. C.	WSPB.....Sarasota, Fla.	WXYZ.....Detroit, Mich
WKBO.....Harrisburg, Pa.	WMAN.....Mansfield, O.	WNYC.....New York, N. Y.	WRDO.....Augusta, Me.	WSPD.....Toledo, O.	*.....Richmond, Va
WKBY.....Richmond, Ind.	WMAQ.....Chicago, Ill.	WOAI.....San Antonio, Tex.	WRDW.....Augusta, Ga.	WSPR.....Springfield, Mass.	
WKBW.....Buffalo, N. Y.	WMAS.....Springfield, Mass.	WOAT.....Davenport, Ia.	WRWC.....Memphis, Tenn.	WSSR.....Stamford, Conn.	
WKBY.....Muskegon, Mich.	WMAZ.....Macon, Ga.	WOC.....W. Yarmouth, Mass.	WRWN.....Lawrence, Kan.	*WSTN.....Staunton, Va.	
WKBU.....Griffin, Ga.	WMBD.....Peoria, Ill.	WOL.....Ames, Ia.	WRGA.....Rome, Ga.	WSTP.....Salisbury, N. C.	KCBA.....Delano, Ca
WKBY.....Covington, Va.	WMBG.....Richmond, Va.	WOKO.....Albany, N. Y.	WRHI.....Rock Hill, S. C.	WSTV.....Steuenville, O.	KCBF.....Delano, Ca
WKBY.....Poughkeepsie, N. Y.	WMBH.....Joplin, Mo.	WOLF.....Washington, D. C.	WRIN.....Racine, Wis.	WSUI.....Iowa City, Ia.	KGEI.....Belmont, Ca
*WKIX.....Columbia, S. C.	WMBI.....Chicago, Ill.	WOLF.....Syracuse, N. Y.	WRLC.....Toccoa, Ga.	WSUN.....St. Petersburg, Fla.	KGEX.....Belmont, Ca
WKLA.....Ludington, Mich.	WMBO.....Auburn, N. Y.	WOLS.....Florence, S. C.	WROX.....Clarksdale, Miss.	WSVA.....Harrisonburg, Va.	KNBA.....Dixon, Ca
WKMO.....Kokomo, Ind.	WMBR.....Jacksonville, Fla.	WOMI.....Owensboro, Ky.	WRNL.....Richmond, Va.	WSYB.....Rutland, Vt.	KNBC.....Dixon, Ca
WKNE.....Keene, N. H.	WMCB.....Uniontown, Pa.	WOMT.....Manitowoc, Wis.	WROK.....Rockford, Ill.	WSYR.....Syracuse, N. Y.	KNBI.....Dixon, Ca
WKNY.....Kingston, N. Y.	WMCB.....Memphis, Tenn.	WOOD.....Grand Rapids, Mich.	WROL.....Knoxville, Tenn.	WTAD.....Quincy, Ill.	KNBX.....Dixon, Ca
WKOK.....Sunbury, Pa.	WMCA.....New York, N. Y.	WOPI.....Bristol, Tenn.	WRRL.....West Point, Ga.	WTAG.....Worcester, Mass.	KWID.....San Francisco
WKPA.....New Kensington, Pa.	WMEX.....Boston, Mass.	WOR.....New York City	WRR.....Dallas, Tex.	WTAL.....Tallahassee, Fla.	KWIX.....San Francisco
WKPT.....Kingsport, Tenn.	WMFD.....Wilmington, N. C.	WORC.....Worcester, Mass.	WRRN.....Washington, N. C.	WTAM.....Cleveland, O.	WBOS.....Hull, Mass
WKRC.....Cincinnati, O.	WMFF.....Plattsburg, N. Y.	WORD.....Spartanburg, S. C.	WRRN.....Warren, O.	WTAR.....Green Bay, Wis.	WCBN.....Brentwood, N. Y.
WKRO.....Cairo, Ill.	WMFG.....Hibbing, Minn.	WORK.....York, Pa.	WRVA.....Richmond, Va.	WTAR.....Norfolk, Va.	WCBX.....Brentwood, N. Y.
WKST.....New Castle, Pa.	WMFR.....Daytona Beach, Fla.	WORLD.....Boston, Mass.	WSAI.....Cincinnati, O.	WTAW.....College Station, Tex.	WCDA.....Brentwood, N. Y.
*WKVM.....Arecibo, P. R.	WMGA.....High Point, N. C.	WOSH.....Oshkosh, Wisc.	WSAJ.....Grove City, Pa.	WTAX.....Springfield, Ill.	WCRC.....Brentwood, N. Y.
WKWK.....Wheeling, W. Va.	WMIS.....Moultrie, Ga.	WOSU.....Columbus, O.	WSAM.....Saginaw, Mich.	WTB.....Cumberland, Md.	WGEA.....Schenectady, N. Y.
WKY.....Oklahoma City, Okla.	WMIN.....St. Paul, Minn.	WOV.....New York, N. Y.	WSAN.....Allentown, Pa.	WTBM.....Traverse City, Mich.	WGEO.....Schenectady, N. Y.
WKZO.....Kalamazoo, Mich.	WMIS.....Natchez, Miss.	WOW.....Omaha, Neb.	WSAP.....Portsmouth, Va.	WTCM.....Minneapolis, Minn.	WGEX.....Schenectady, N. Y.
WLAC.....Nashville, Tenn.	WMLT.....Dublin, Ga.	WOWO.....Ft. Wayne, Ind.	WSAR.....Fall River, Mass.	WTEL.....Philadelphia, Pa.	WLWK.....Mason, O
WLAG.....La Grange, Ga.	WMLN.....Fairmont, W. Va.	WPAB.....Ponce, Puerto Rico	WSAU.....Wausau, Wis.	WTHT.....Hartford, Conn.	WLWL.....Mason, C
WLAK.....Lakeland, Fla.	WMOB.....Mobile, Ala.	WPAD.....Paducah, Ky.	WSAV.....Savannah, Ga.	WTIC.....Hartford, Conn.	WLWO.....Mason, C
WLAP.....Lexington, Ky.	WMOG.....Brunswick, Ga.	*WPAG.....Ann Arbor, Mich.	WSAY.....Rochester, N. Y.	WTIS.....Jackson, Tenn.	WLWR.....Mason, C
WLAV.....Grand Rapids, Mich.	WMOH.....Hamilton, Ohio	WPAR.....Parkersburg, W. Va.	WSAZ.....Huntington, W. Va.	WTMA.....Charleston, S. C.	WLWS.....Mason, C
WLAW.....Lawrence, Mass.	WMPC.....Lapeer, Mich.	WPAT.....Paterson, N. J.	WSB.....Atlanta, Ga.	WTMC.....Ocala, Fla.	WNBI.....Bound Brook, N. J.
WLAY.....Muscle Shoals City, Ala.	WMPS.....Memphis, Tenn.	WPAX.....Thomasville, Ga.	WSBA.....York, Pa.	WTMJ.....Milwaukee, Wis.	WNRA.....Bound Brook, N. J.
WLB.....Minneapolis, Minn.	WMRC.....Greenville, S. C.	WPAY.....Portsmouth, O.	WSBC.....Chicago, Ill.	WTMV.....E. St. Louis, Ill.	WNRE.....Bound Brook, N. J.
WLB.....Muncie, Ind.	WMRF.....Lewistown, Pa.	WPB.....Jacksonville, Fla.	WSBT.....South Bend, Ind.	WTNJ.....Trenton, N. J.	WNRI.....Bound Brook, N. J.
WLB.....Bowling Green, Ky.	WMRN.....Marion, O.	WPDQ.....Philadelphia, Pa.	WSFA.....Montgomery, Ala.	WTOL.....Trenton, N. J.	WNRX.....Bound Brook, N. J.
WLB.....Stevens Point, Wis.	WMRO.....Aurora, Ill.	WPE.....Philadelphia, Pa.	WSGN.....Birmingham, Ala.	WTOC.....Savannah, Ga.	WOOO.....Wayne, N. J.
WLBZ.....Bangor, Me.	WMSL.....Decatur, Ala.	WPG.....Sharon, Pa.	WSIX.....Nashville, Tenn.	WTOL.....Toledo, O.	WOOC.....Wayne, N. J.
WLD.....Jacksonville, Ill.	WMT.....Cedar Rapids, Ia.	*WPKI.....Alexandria, Va.	WSJS.....Winston-Salem, N. C.	WTOP.....Washington, D. C.	WOOW.....Wayne, N. J.
WLEU.....Erie, Pa.	WMUR.....Manchester, N. H.	WPRO.....Providence, R. I.	WSKB.....McComb, Miss.	WTRC.....Elkhart, Ind.	WRCA.....Bound Brook, N. J.
WLIB.....New York, N. Y.	WMVA.....Martinsville, Va.	WPRP.....Ponce, Puerto Rico	WSLB.....Ogdensburg, N. Y.	WTRY.....Troy, N. Y.	WRUA.....Scituate, Mass
WLLH.....Lowell, Mass.	WNAB.....Bridgeport, Conn.		WSLI.....Jackson, Miss.	WTSP.....St. Petersburg, Fla.	WRUL.....Scituate, Mass
WLNH.....Laconia, N. H.	WNAC.....Boston, Mass.		WSLS.....Roanoke, Va.	WTTM.....Trenton, N. J.	WRUS.....Scituate, Mass
				WWDC.....Washington, D. C.	WRUX.....Scituate, Mass

SHORTWAVE

Michigan's Most Powerful Independent Station

W-CAR

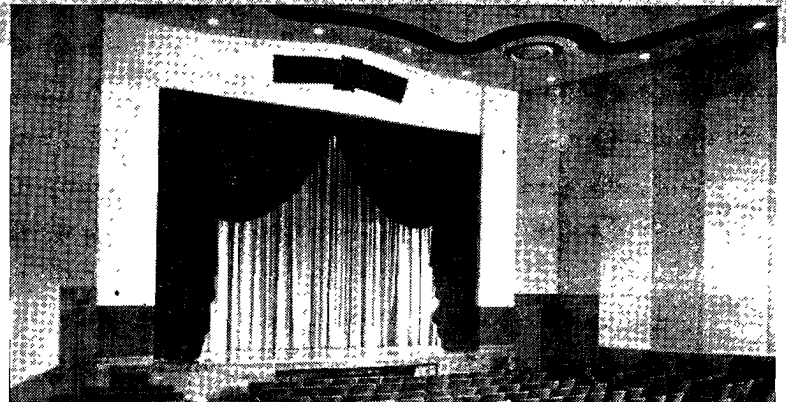
Pontiac

THE *Right* ACOUSTICAL MATERIALS MEAN *Improved* BROADCAST QUALITY

Many acoustical and sound-transmission problems are associated with the design and construction of broadcasting studios. The size of the studio and its contemplated use are governing factors. The location of one studio in relation to another affects the degree of sound isolation necessary. You will find that the use of Johns-Manville sound control materials and the experience of Johns-Manville engineers can help you solve these and similar studio problems.

• An Auditorium Studio

One of the most recently constructed studio buildings is WTMJ at Milwaukee. Practically every phase of modern broadcasting was considered in its design. For example, the auditorium studio at the right is one of a series which also included studios for musical presentations, speakers' studios, general-purpose studios, etc. Each was designed specifically for producing a desired acoustic result. Their final design was due to the collaboration of Johns-Manville acoustical engineers with the architects and the studio officials



The walls and ceiling of this stage and auditorium at WTMJ are treated with Johns-Manville Acoustical Materials especially designed for the broadcasting field.

• A Speaker's Studio

WOR officials in their attempt to constantly improve the quality of their broadcasting programs were not satisfied with the acoustical properties of their speakers' studios. The objective was to have the speakers' voices reproduced with fidelity. The elimination of distortion and standing wave patterns was a primary goal. WOR officials in collaboration with J-M engineers developed a unique approach to this problem of rehabilitating studios.

Three relatively new types of acoustical materials were used—High Frequency, Low Frequency, and Triple-Tuned Elements covered with J-M Perforated Transite Asbestos Panels. These materials, properly located on wall and ceiling surfaces, produced the required acoustical result. Also, the hard, dense perforated Transite withstands abuse, and its smooth surface makes cleaning and decorating easy.



Studios at WOR were acoustically modernized with Johns-Manville materials in order to get a more faithful reproduction of the speakers' voices.

For details write Johns-Manville, 22 E. 40 St., New York 16, N. Y.

KMBC-FM

**CBS BASIC
AFFILIATE**

This Institution Called



Graduate home economists conduct both "The Food Scout," informing listeners daily on best buys in produce by remote wire from the Kansas City food terminal, and "The Happy Kitchen," cookery clinic to aid housewives with their wartime problems.



CAROLINE ELLIS
Women's Commentator

Homespun philosophy has made Caroline Ellis a network personality. Her "Happy Home" is widely recognized for the important wartime service it provides homemakers throughout the Heart of America.

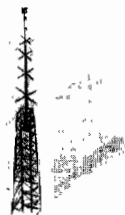
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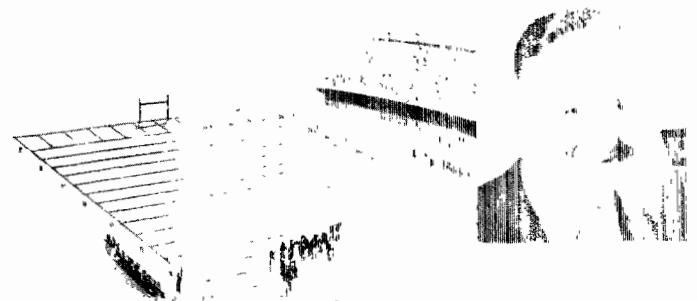
Kansas City—a basic CBS affiliate. In June, 1920, Arthur B. Church came to Kansas City to begin the building of what is today—KMBC. Under his pioneering guidance, KMBC has become more than just a radio station. Today it stands as a vital factor in the community life of almost two million middlewesterners.

After leadership since 1941 in the field of experimental high frequency transmission, KMBC FM went on the air commercially in 1944 with perhaps the greatest schedule of any FM station. Here is another Arthur B. Church for you and step in ever broadening horizons in an FM service at 93.5 MHz.



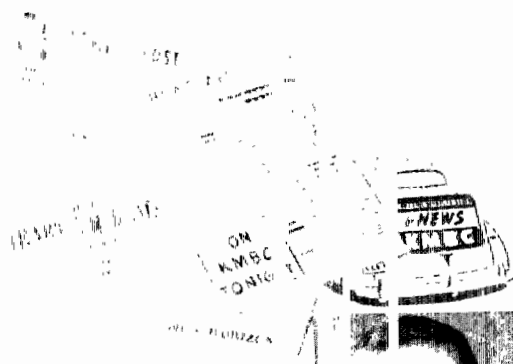
time, expertly qualified newsmen, KMBC is first with the news from both Associated Press and United Press wire services.

SAM MOORE
Director of Sports



Promotion has long played a prominent role in the successful operation of KMBC. "Practicing what it preaches," a generous

KMBC's sports coverage includes post game accounts of important events plus complete summaries from the hole of sports from the River State City.

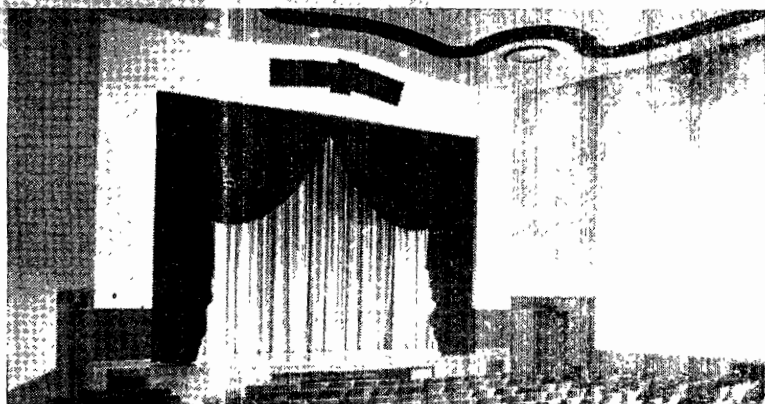


THE *Right* ACOUSTICAL MATERIALS
MEAN
Improved **BROADCAST QUALITY**

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The walls and ceiling of this stage and auditorium at WTMJ are treated with Johns-Manville Acoustical Materials especially designed for the broadcasting field.

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For details, write Johns-Manville, 22 E. 40 St., New York 16, N. Y.

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PEORIA

McNARY & WRATHALL
RADIO ENGINEERS

NATIONAL PRESS BUILDING
WASHINGTON, D. C.

LOOKING FORWARD - - - - -

1931—R. M. Wilmotte's first development of interest to broadcasters was the directional antenna for controlling interference now used by nearly all broadcasting stations.

1945—The Wilmotte Laboratory plans to put into use its developments of

... a method for obtaining the efficiency of a high antenna with a short radiator

... an automatic control of the radiation pattern of each element in the vertical plane, allowing the rapid fading zone to be pushed back

... a system for automatically maintaining the currents in a directional antenna to a fraction of one degree in phase and a fraction of one per cent in amplitude ratio.

*Complete engineering, planning,
designing and
supervision of installation.*



THE WILMOTTE LABORATORY

1469 Church Street, N. W.

Washington 5, D. C.

Telephone: Decatur 1234

RAYMOND M. WILMOTTE, DIRECTOR

TRUSCON STANDARDIZED *offer many advantages*

Truscon has built many of the tallest self-supporting radio towers in the industry. Typical of Truscon achievements in tower design is this self-supporting type erected for Radio Station WKBN, Youngstown, Ohio.

Radio tower construction is restricted for the duration. But Truscon continues its engineering developments, and when our war time obligations are fulfilled we will again be ready to furnish towers to meet the new demands of the radio industry.

TRUSCON STEEL COMPANY,
Subsidiary of Republic

SELF-SUPPORTING TOWERS *to the Radio Industry!*

Installation and Construction Features:

Ideal where limited ground areas and conditions prohibit the use of guy wires.

Most economical. Standardization of sections and production efficiencies make this tower exceptionally low in cost.

Adaptable to the support of FM antennae. Standardized self-supporting towers are available in heights up to 576 feet.

Towers of greater heights may be obtained when necessary.

Triangular design of these towers provides an extremely rigid structure. Round members used in construction offer minimum resistance to wind pressure.

Youngstown 1, Ohio
Steel Corporation



TRUSCON

Self-Supporting
and Uniform
Cross Section Guyed

TOWERS

DIRECTORY OF CANADIAN BROADCAST STATIONS BY FREQUENCIES

Licensed or Authorized by the Canadian Department of Transport as of January 1, 1945

* Construction permit for new station. N—Night power. D—Day power. DA—Directional antenna.

Call Letters	Location	Power in Watts	Call Letters	Location	Power in Watts	Call Letters	Location	Power in Watts	Call Letters	Location	Power in Watts	Call Letters	Location	Power in Watts
540 KILOCYCLES														
CBK	Watrous, Sask.	50,000	CKAC	Montreal, Que.	5,000	CKRM	Regina, Sask.	5,000	CBH	Halifax, N. S.	100	CKMO	Vancouver, B. C.	100
550 KILOCYCLES														
CFNB	Fredericton, N. B.	5,000	CBL	Toronto, Ont.	50,000	CKV	Quebec, Que.	1,000	CKLN	Nelson, B. C.	250	1430 KILOCYCLES		
560 KILOCYCLES														
CJKL	Kirkland Lake, Ont.	5,000	CKSO	Sudbury, Ont.	1,000	CKWX	Vancouver, B. C.	5,000	CFPR	Prince Rupert, B. C.	50	1450 KILOCYCLES		
580 KILOCYCLES														
CJFX	Antigonish, N. S. (DA)	5,000	CHAB	Moose Jaw, Sask.	5,000	990 KILOCYCLES			CKCH	Hull, Que.	250	1460 KILOCYCLES		
CKUA	Edmonton, Alta.	1,000	CKLW	Windsor, Ont.	5,000	CKY	Winnipeg, Man.	15,000	CHLT	Sherbrooke, Que.	250	1470 KILOCYCLES		
CKPR	Fort William, Ont.	5,000	CHRC	Quebec, Que. (DA)	5,000	1010 KILOCYCLES			CKPA	Port Alberni, B. C.	250	1480 KILOCYCLES		
CKEY	Toronto, Ont. (DA)	5,000	CFRB	Toronto, Ont.	10,000	CFCN	Calgary, Alta.	10,000	1260 KILOCYCLES			1490 KILOCYCLES		
600 KILOCYCLES														
CJOR	Vancouver, B. C.	5,000	CJBR	Rimouski, Que.	5,000	CJBC	Toronto, Ont. (DA)	5,000	1270 KILOCYCLES			1490 KILOCYCLES		
CFQC	Saskatoon, Sask.	5,000	CHML	Hamilton, Ont. (DA)	5,000	1050 KILOCYCLES			CFRN	Edmonton, Alta.	5,000	1490 KILOCYCLES		
CFCH	Montreal, Que.	500	CKBI	Prince Albert, Sask.	5,000	CHUM	Toronto, Ont.	1,000	1270 KILOCYCLES			1490 KILOCYCLES		
CFCH	North Bay, Ont.	5,000	910 KILOCYCLES			1060 KILOCYCLES			1310 KILOCYCLES			1490 KILOCYCLES		
610 KILOCYCLES														
CJAT	Trail, B. C.	5,000	CBO	Ottawa, Ont.	1,000	CJOC	Lethbridge, Alta.	5,000	1320 KILOCYCLES			1490 KILOCYCLES		
CHNC	New Carlisle, Que.	5,000	CFJC	Kamloops, B. C.	1,000	1070 KILOCYCLES			CJCB	Sydney, N. S.	5,000	1490 KILOCYCLES		
620 KILOCYCLES														
CKCK	Regina, Sask.	5,000	CKNX	Wingham, Ont. (DA)	1,000	1130 KILOCYCLES			1330 KILOCYCLES			1490 KILOCYCLES		
630 KILOCYCLES														
CFCY	Charlottetown, P.E.I.	5,000	CJCA	Edmonton, Alta.	5,000	1150 KILOCYCLES			1340 KILOCYCLES			1490 KILOCYCLES		
CFCO	Chatham, Ont.	100	CBM	Montreal, Que.	5,000	CKX	Brandon, Man.	1,000	1350 KILOCYCLES			1490 KILOCYCLES		
CKOV	Kelowna, B. C.	5,000	CKNB	Campbellton, N.B. (DA)	5,000	CKOC	Hamilton, Ont.	5,000	CHAD	Amos, Que.	250	1490 KILOCYCLES		
CKRC	Winnipeg, Man.	5,000	960 KILOCYCLES			CHSJ	St. John, N. B.	5,000	CFCV	Quebec, Que.	100	1490 KILOCYCLES		
690 KILOCYCLES														
CBF	Montreal, Que.	50,000	CFAC	Calgary, Alta.	5,000	1220 KILOCYCLES			CHWK	Chilliwack, B. C.	100	1490 KILOCYCLES		
			CHNS	Halifax, N. S.	1,000	CJRL	Kenora, Ont.	1,000	CHYM	St. Yrme, Que.	250	1490 KILOCYCLES		
			CKWS	Kingston, Ont. (DA)	5,000	1230 KILOCYCLES			CKFN	Fort Frances, Ont.	250	1490 KILOCYCLES		
						CFAR	Flin Flon, Man.	250	CHLV	Val d'Or, Que.	100	1490 KILOCYCLES		
						CFPA	Port Arthur, Ont.	250	CKCR	Moncton, N. B.	5,000	1490 KILOCYCLES		
						CJCY	Calgary, Alta.	100	CFOS	Owen Sound, Ont.	250	1490 KILOCYCLES		
						CHGB	Ste. Anne de la Pocatiere, Que.	250	CJSO	Sorel, Que.	100	1490 KILOCYCLES		
						CKNW	New Westminster, B.C.	250				1490 KILOCYCLES		
						CKSF	Cornwall, Ont.	250				1490 KILOCYCLES		
						CKVD	Val d'Or, Que.	100				1490 KILOCYCLES		

DIRECTORY OF CANADIAN BROADCAST STATIONS BY CALL LETTERS

CBA.....Sackville, N. B.	CFJC.....Kamloops, B. C.	CHNC.....New Carlisle, Que.	CJKL...Kirkland Lake, Ont.	CKLW.....Windsor, Ont.	CKX.....Brandon, Man.
CBF.....Montreal, Que.	CFNB.....Fredericton, N. B.	CHNS.....Halifax, N. S.	CJLS.....Yarmouth, N. S.	CKMO...Vancouver, B. C.	CKY.....Winnipeg, Man.
GBH.....Halifax, N. S.	CFOS.....Owen Sound, Ont.	CHOV.....Pembroke, Ont.	*CJMH. Medicine Hat, Alta.	CKNB .Campbellton, N. B.	
CBJ.....Chicoutimi, Que.	CFPA.....Port Arthur, Ont.	CHPS.....Parry Sound, Ont.	CJOC.....Lethbridge, Alta.	CKNW. New Westminster, B. C.	
CBK.....Watrous, Sask.	CFPL.....London, Ont.	CHRC.....Quebec, Que.	CJOR.....Vancouver, B. C.	CKNX.....Wingham, Ont.	SHORTWAVE
CBL.....Toronto, Ont.	CFPR. Prince Rupert, B. C.	CHUM.....Toronto, Ont.	CJRL.....Kenora, Ont.	CKOC.....Hamilton, Ont.	CBFW.....Montreal, Que
CBM.....Montreal, Que.	CFQC.....Saskatoon, Sask.	CHWK.....Chilliwack, B. C.	CJSO.....Sorel, Que.	CKOV.....Kelowna, B. C.	CBFX.....Montreal, Que
CBO.....Ottawa, Ont.	CFRB.....Toronto, Ont.	CJAT.....Trail, B. C.	CJVI.....Victoria, B. C.	CKPA...Port Alberni, B. C.	CBFY.....Montreal, Que
CBR.....Vancouver, B. C.	CFRC.....Kingston, Ont.	CJBC.....Toronto, Ont.	CKAC.....Montreal, Que.	CKPC.....Brantford, Ont.	CBFZ.....Montreal, Que
CBV.....Quebec, Que.	CFRN.....Edmonton, Alta.	CJBR.....Rimouski, Que.	CKBI .Prince Albert, Sask.	CKPR.....Fort William, Ont.	CBRX.....Vancouver, B. C.
CFAB.....Windsor, N. S.	CHAB.....Moose Jaw, Sask.	CJCB.....Edmonton, Alta.	CKCH.....Hull, Que.	CKRR.....Winnipeg, Man.	CFCX.....Montreal, Que
CFAC.....Calgary, Alta.	CHAD.....Amos, Que.	CJCH.....Sydney, N. S.	CKCK.....Regina, Sask.	CKRM.....Regina, Sask.	CJCX.....Sydney, N. S.
CFAR.....Flin Flon, Man.	CHEX.....Peterborough, Ont.	CJCI.....Halifax, N. S.	CKCO.....Ottawa, Ont.	CKRN.....Rouyn, Que.	CFRX.....Toronto, Ont
CFBR.....Brockville, Ont.	CHGB.....St. Anne de la Pocatiere, Que.	CJCH.....Halifax, N. S.	CKCR.....Kitchener, Ont.	CKSF.....Cornwall, Ont.	CFVP.....Calgary, Alta
CFCH.....Montreal, Que.	CHGS.....Summerside, P.E.I.	CJCY.....Calgary, Alta.	CKCV.....Quebec, Que.	CKSO.....Sudbury, Ont.	CHNX.....Halifax, N. S.
CFCH.....North Bay, Ont.	CHLN.....Three Rivers, Que.	CJCS.....Stratford, Ont.	CKCW.....Moncton, N. B.	CKTB .St. Catharines, Ont.	CKFX.....Vancouver, B. C.
CFCN.....Calgary, Alta.	CHLN.....Three Rivers, Que.	CJEM.....Edmundston, N. B.	CKEY.....Toronto, Ont.	CKUA.....Edmonton, Alta.	CKRO.....Winnipeg, Man
CFCO.....Chatham, Ont.	CHLP.....Montreal, Que.	CJFX.....Antigonish, N. S.	CKFI.....Fort Frances, Ont.	CKVD.....Val d'Or, Que.	CKRX.....Winnipeg, Man
CFCY.....Charlottetown, P.E.I.	CHLT.....Sherbrooke, Que.	CJGX.....Yorkton, Sask.	CKGB.....Timmins, Ont.	CKWS.....Kingston, Ont.	VE9AI.....Edmonton, Alta
CFGP.....Grande Prairie, Alta.	CHML.....Hamilton, Ont.	CJIC.....Sault Ste. Marie, Ont.	CKLN.....Nelson, B. C.	CKWX.....Vancouver B. C.	

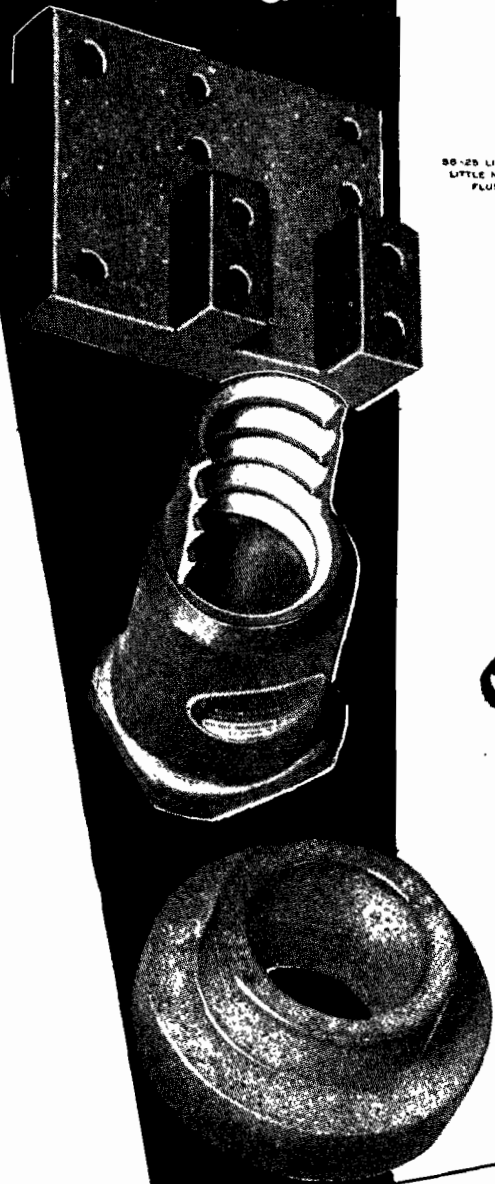
Paul F. Godley

Consulting Radio Engineer

Phone:

Montclair (N. J.) 2-7859

How MYCALEX Solved a Tough Insulating Problem for HAZELTINE ELECTRONICS and the NAVY . . .



HAZELTINE ELECTRONICS CORPORATION

RECEIVING OFFICE
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NEW YORK 19, N. Y.



PLANT
80-25 LITTLE NECK PARKWAY
LITTLE NECK, LONG ISLAND
FLUSHING 7-0300

TELEPHONE
COLUMBUS 5-0781
TELETYPE NY 1-2860

September 15, 1944

Mycalex Corporation of America
30 Rockefeller Plaza
New York, N. Y.

Attention: Mr. Jerome Taishoff, President

Gentlemen:

In the development of special apparatus, to be supplied on a Navy contract by Hazeltine Electronics Corporation, it was found necessary to utilize a material with a dielectric constant of 12-15.

We put our problem in the hands of your company.

The cooperation which we received from your organization is to be very highly commended. The special material, which was developed after much experimentation and research on your part, has maintained a constant dielectric all through production.

We have delivered a quantity of these units to the Navy, and we wish to again thank you for the large part you played in making the delivery of these vital equipments possible.

Very truly yours,

J. E. Gray
J. E. GRAY
Co-ordinating Engineer



The products of Mycalex Corporation of America are: (a) MYCALEX 400 — the most highly perfected form of MYCALEX insulation, approved by Army and Navy as Grade L-4. In sheets, rods and fabricated form. (b) MYCALEX K, an advanced capacitor dielectric with dielectric constant of 10 to 15. (c) Molded MYCALEX, available to specifications in irregular shapes. Write for details.

MYCALEX CORPORATION OF AMERICA
"OWNERS OF 'MYCALEX' PATENTS"

CLIFTON,
NEW JERSEY

Executive Offices: 30 ROCKEFELLER PLAZA
NEW YORK 20, N. Y.

Television Stations Authorized by the FCC

(As of January 1, 1945 in accordance with Rules 4.61-4.79)

CHANNELING SYSTEM

GROUP A

Channel No.	Channel No.	Channel No.
1 50,000-56,000 kc.	3 66,000-72,000 kc.	6 96,000-102,000 kc.
2 60,000-66,000 kc.	4 78,000-84,000 kc.	7 102,000-108,000 kc.
	5 84,000-90,000 kc.	

GROUP B

Channel No.	Channel No.	Channel No.
8 162,000-168,000 kc.	12 210,000-216,000 kc.	15 258,000-264,000 kc.
9 180,000-186,000 kc.	13 230,000-236,000 kc.	16 264,000-270,000 kc.
10 186,000-192,000 kc.	14 236,000-242,000 kc.	17 282,000-288,000 kc.
11 204,000-210,000 kc.		18 288,000-294,000 kc.

GROUP C

Any 6,000 kc. band above 300,000 kc., excluding band 400,000-401,000 kc.

COMMERCIAL

Licensee and Location	Call Letters	Channel No.	Effective Signal Radiated
Balaban & Katz Corp., Chicago, Ill.	WBKB	2	550
Columbia Broadcasting System Inc., New York City	WCBW	2	1,000
Don Lee Broadcasting System, Hollywood, Cal.	†KTSL	1	5,600
Allen B. DuMont Laboratories, Inc., New York City	WABD	4	.....
General Electric Co., Schenectady, N. Y.	WRGB	3	3,100
The Journal Co., Milwaukee, Wis.	†WMJT	3	1,200
National Broadcasting Co. Inc. New York City	WNBT	1	1,800
Philco Radio & Television Corp., Philadelphia, Pa.	WPTZ	3	500
Zenith Radio Corp., Chicago, Ill.	†WTZR	1	1,270

† Under construction.

EXPERIMENTAL

Licensee and Location	Call Letters	Channel No.	Power in Watts Visual	Power in Watts Aural
Balaban & Katz Corp., Chicago, Ill.	W9XBK	2	4,000	2,000
Balaban & Katz Corp., Chicago, Ill.	W9XPR	Group C	10	.....
Columbia Broadcasting System, Inc. New York, N. Y.	†W2XCS	Group C	1,000	1,000
The Crosley Corp., Cincinnati, Ohio	†W8XCT	1	1,000	1,000
Allen B. DuMont Laboratories, Inc., Passaic, N. J.	W2XVT	4	50	50
Allen B. DuMont Laboratories, Inc., New York, N. Y.	W2XWV	4	1,000	1,000
Allen B. DuMont Laboratories, Inc., Washington, D. C.	†W3XWT	1	1,000	1,000
Farnsworth Television & Radio Corp., Ft. Wayne, Ind.	†W9XFT	To be assigned	4,000	6,000
Intermountain Broadcasting Corp., Salt Lake City, Utah	†W6XIS	To be assigned	400	200
Don Lee Broadcasting System, Los Angeles, Cal.	W6XAO	1	1,000	150
Metropolitan Television, Inc., New York, N. Y.	†W2XMT	8	50	50
Philco Radio & Television Corp., Philadelphia, Pa.	W3XE	3	10,000	11,000
Purdue University, West Lafayette, Ind.	†W9XG	3	750	750
Radio Corporation of America Camden, N. J.	W3XEP	5	30,000	30,000
State University of Iowa, Iowa City, Iowa	W9XUI	1 & 12	100	.....
Wm. B. Still, tr/as Jamaica Radio Television Co., Jamaica, L. I., N. Y.	†W2XJT	13	400	100
Television Productions, Inc., Los Angeles, Cal.	W6XYZ	4	4,000	1,000
Gus Zaharis, South Charleston, W. Va.	†W8XGZ	1	200	110
Zenith Radio Corp., Chicago, Ill.	†W9XZC	To be assigned	1,000	1,000

TELEVISION SERVICES

AMERICAN TELEVISION SOCIETY—2 W. 45th St., New York 19. Telephone: Whitehall 4-4497. Officers: Dan Halpin, president; Raymond Nelson, vice-president; Don McClure, treasurer; Alice Pentlage, secretary.

CINE-TELEVISION STUDIOS—100 E. 42nd St., New York 17. Telephone: Murray Hill 5-2874. Fred H. Fidler, managing partner. (Television films.)

COLUMBIA BROADCASTING SYSTEM, Inc.—485 Madison Ave., New York 22. Telephone: Wickersham 2-2000. Television executives: Gilbert Seldes, director of television programs; Dr. Peter C. Goldmark, director, engineering research and development dept.; Worthington Miner, manager of television dept.

DON LEE BROADCASTING SYSTEM—3800 Mount Lee Drive, Hollywood 28, Cal. Telephone: Hollywood 8255. Harry R. Lubcke, director of television; W6XAO (experimental station and research).

ALLEN B. DU MONT LABORATORIES, Inc.—2 Main Ave., Passaic, N. J. Telephone: Passaic 3-1616. Officials: Allen B. Du Mont, president; Leonard F. Cramer, vice-president; Paul Raibourn, treasurer; Bernard Goodwin, secretary; Paul Ware, general production manager; Bruce T. Du Mont, general supt.; Thomas T. Goldsmith Jr., director of research; P. S. Christaldi, chief engineer. (Manufacturers of electronic and television apparatus.)

FARNSWORTH TELEVISION & RADIO Corp.—3700 E. Pontiac St., Fort Wayne 1, Ind. Telephone: Anthony 5301. E. A. Nicholas, president; B. Ray Cummings, vice-president in charge of engineering; J. P. Rogers, vice-president and treasurer; E. H. Vogel, vice-president in charge of sales.

GENERAL ELECTRIC Co. (radio, television & electronics department)—1 River Road, Schenectady, N. Y. Telephone: 4-2211. Dr. W. R. G. Baker, vice-president.

GENERAL TELEVISION CORP.—70 Brookline Ave., Boston. Telephone: Commonwealth 6410. Thompson L. Guernsey, president. (Television studio production facilities.)

MIDLAND RADIO AND TELEVISION SCHOOLS Inc.—Power & Light Bldg., Kansas City 6. Telephone: Harrison 5852. Officials: G. L. Taylor, president; C. L. Foster, vice-

president; Arthur B. Church, KMB treasurer; D. G. Warrick, secretar (Radio and television technic school.)

NATIONAL BROADCASTING CO.—RCA Bldg., New York 20. Telephone: Circle 7-8300. Officials Assign to Television: John F. Royal, vice president in charge of Television; B. Hanson, vice-president and chief engineer.

PHILCO RADIO & TELEVISION Corp.—Tioga & C Streets, Philadelphia 34, Pa. Telephone: Nebraska 5100. Chief Television Engineer, F. Bingley; Program Director, Pa Knight. (Experimental Station W3XE; commercial station WPTZ)

RADIO & TELEVISION SERVICE CO. (Ray-Tele)—604 Fifth Ave., New York. Allen Kaye-Martin, proprietor (Radio and Television production service).

RADIO CORP OF AMERICA (RC Victor Division) — Front & Coop Sts., Camden, N. J. Telephone: Camden 8000. Receiving and transmitting television equipment.

TELEVISION ASSOCIATES, Inc.—190 N. State St., Chicago. Telephone: Franklin 5025.

TELEVISION ENTERPRISES Inc.—9130 Sunset Blvd., Hollywood 4 Cal. Telephone: Crestview 6-624 John W. Swallow, president; Louis E. Wolf, office manager. (Animated commercial films for television.)

TELEVISION PRODUCTIONS Inc.—5451 Marathon St., Hollywood 3 Telephone: Hollywood 2411. Officers: Paul Raibourn, president; Y. Frank Freeman, vice-president; Bernard Goodwin, vice-president; Klaus Landberg, director of television and static manager.

UNITED ARTIST BUREAU—116 Sixth Ave., Des Moines 14. Telephone: 4-5553. R. B. Eaton, manager. (Experimental television.)

UNITED STATES TELEVISION MFG. Corp.—106 Seventh Ave., New York. Telephone: Chelsea 2-3966. Officials: John Hoge, president. (Television receiver and electronic radio apparatus manufacture.)

ZENITH RADIO Corp.—6001 Dickens Ave., Chicago 39. Telephone: Berkshire 7500. Officials: E. F. McDonald Jr., president; Hugh Robinson, executive vice-president; G. I. Gustafson, vice-president in charge of engineering; Henry C. Bonfig, vice president in charge of Household radio sales division; J. J. Nance, vice-president and director of sales.

Non-Commercial Educational FM Broadcast Stations

(Authorized Under FCC Rules 4.131-4.137)

† Under Construction.

Call Letters	Licensee and Location	Frequency in Kc.	Power in Watts
KALW	Board of Education of the San Francisco Unified District, San Francisco, Cal.	42,100	1,000
†KSUI	The State University of Iowa, Iowa City, Iowa	42,700	1,000
†KUSC	University of Southern California, Los Angeles, Cal.	42,900	1,000
†WATX	The Regents of University of Michigan, Ann Arbor, Mich.	42,100	50,000
WBEZ	Board of Education, City of Chicago, Chicago, Ill.	42,500	1,000
†WBKY	University of Kentucky, Beattyville, Ky.	42,900	500
WBOE	Cleveland City Board of Education, Cleveland, O	42,500	1,000
†WCAH	Board of Education, City of Buffalo, Buffalo, N. Y.	42,900	1,000

TELEVISION

Quiz



FOR PROSPECTIVE STATION OWNERS

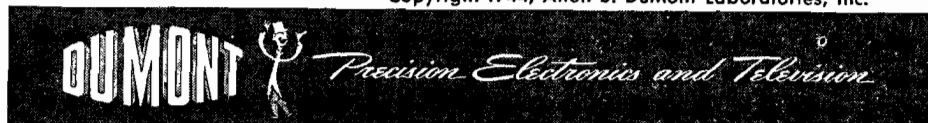
1. What firm's pioneering development of the Cathode-ray Tube (the heart of a television set) gave television its first *clear* pictures... and made television commercially possible?
2. What manufacturer's national advertising—for more than a year—has been devoted to answering the public's eager questions about television?
3. What company designed and built 3 of the 9 television stations on the air today (more than any other company)?
4. What firm's extensive experience in television station design, construction and operation has set a pattern for profitable management of an average-size station?
5. What manufacturer's experimental station telecasting equipment provided a week-in-week-out demonstration of low operating cost and rugged dependability since the summer of 1940?
6. What firm's strong patent position assures clients of exclusive and important features not matched by other companies' television station equipment?
7. What company's experimental television station was the first to offer the use of its facilities during wartime to advertisers and advertising agencies to develop commercial techniques... and to provide experienced directors, writers and talent for television's inevitably-swift postwar expansion?
8. What manufacturer has provided a plan to instruct operating executives and technical crews, which will insure the efficient commercial operation of your postwar station?
9. What firm's telecasting equipment is rated "tops" in signal transmitting efficiency and effectiveness... and in installation and operating economies?



**The one-word answer to all
these questions is: DUMONT**

A copy of "Planning Your Television Station" is yours for the asking. This booklet outlines equipment requirements for a complete, low-cost telecast operation... and suggests plans for expediting postwar delivery of equipment and training of per-

Copyright 1944, Allen B. DuMont Laboratories, Inc.



DIRECTORY OF COMMERCIAL FM BROADCASTING STATIONS IN U. S.

(Corrected to January 1, 1945)

Frequency is Given in Megacycles; Service Area in Square Miles. Where Station is Connected With a Standard Broadcast Station, Affiliation is Shown in Parentheses Except Where Call Letters Are Identical

CALIFORNIA

KHJ-FM, LOS ANGELES—Licensed to Don Lee Broadcasting System. Frequency: 44.5 mc.

KTLO, LOS ANGELES—CP issued to Metro-Goldwyn-Mayer Studios Inc. Frequency: 46.1 mc. Service Area: 7,000 sq. mi.

CONNECTICUT

WDRG-FM, HARTFORD—Licensed to WDRG, Inc. Frequency: 46.5 mc. Service Area: 6,100 sq. mi. Personnel: Franklin M. Doolittle, director; Carlton Brown, transmitter engineer.

WTIC-FM, HARTFORD—Licensed to The Travelers Broadcasting Service Corp. Frequency: 45.3 mc. Service Area: 6,100 sq. mi. Personnel: Paul W. Morency, general manager; Leonard J. Patricelli, program manager.

ILLINOIS

WBBM-FM, CHICAGO—Licensed to Columbia Broadcasting System Inc. Frequency: 46.7 mc.

WDLM, CHICAGO—Licensed to Moody Bible Institute of Chicago (WMBI). Frequency: 47.5 mc. Personnel: Henry C. Crowell, manager; Wendell P. Loveless, director; Robert Parsons, asst. director; A. P. Frye, chief engineer.

WEHS, CHICAGO—CP issued to WHFC, Inc. (WHFC). Frequency: 48.3 mc. Personnel: Richard W. Hoffman, president; George M. Ives, chief engineer.

WGNB, CHICAGO—Licensed to WGN Inc. (WGN). Frequency: 45.9 mc. Personnel: Frank P. Schreiber, director; Estelle Barnes, assistant manager.

WWZR, CHICAGO—Licensed to Zenith Radio Corporation. Frequency: 45.1 mc. Service Area: 10,800 sq. mi. Personnel: Commander E. F. MacDonald, president; Edgar Herrmann, manager.

INDIANA

WMLL, EVANSVILLE—Licensed to Evansville On The Air Inc. (WEOA-WGBF). Frequency: 44.5 mc. Service Area: 8,400 sq. mi. Personnel: Clarence Leich, director; Erwin Schoeny, chief engineer.

WOWO-FM, FORT WAYNE—Licensed to Westinghouse Radio Stations Inc. Frequency: 44.9 mc. Personnel: J. B. Conley, manager; Eldon Campbell, program manager; Bruce Ratts, chief engineer.

WABW, INDIANAPOLIS—CP issued to Associated Broadcasters Inc. Frequency: 47.3 mc. Service Area: 8,400 sq. mi.

WSBF, SOUTH BEND—Licensed to South Bend Tribune (WSBT). Frequency: 47.1 mc.

LOUISIANA

WBRL, BATON ROUGE—Licensed to Baton Rouge Broadcasting Co. Inc. (WJBO). Frequency: 44.5 mc. Service Area: 8,100 sq. mi. Personnel: J. Roy Dabadie, director.

MASSACHUSETTS

WBZ-FM, BOSTON—Licensed to Westinghouse Radio Stations Inc. Frequency: 46.7 mc. Personnel: C. S. Young, manager.

WGTR, BOSTON—Licensed to The Yankee Network Inc. Frequency: 44.3 mc. Service Area: 19,000 sq. mi. Personnel: John Shepard 3d, Chairman of the Board; staff, see Yankee Network.

WMTW, BOSTON—Licensed to The Yankee Network Inc. Frequency: 43.9 mc. Service Area: 31,000 sq. mi. Personnel: John Shepard 3d, Chairman of the Board; staff, see Yankee Network.

WBZA-FM, SPRINGFIELD—Licensed to Westinghouse Radio Stations Inc. Frequency: 48.1 mc. Personnel: C. S. Young, manager.

WTAG-FM, WORCESTER—Licensed to Worcester Telegram Publishing Co. Inc. Frequency: 46.1 mc.

MICHIGAN

WENA, DETROIT—Licensed to The Evening News Association (WWJ). Frequency: 44.5 mc. Service Area: 6,800 sq. mi. Personnel: Edwin K. Wheeler, director; Carl Wesser, chief engineer; F. P. Wallace, business manager.

WLOU, DETROIT—Licensed to John Lord Booth (WJLB). Frequency: 44.9 mc. Personnel: John L. Booth, director; Hugh M. Gray, manager; Eric Hay, commercial manager; Richard Pavy, chief announcer.

MISSOURI

KMBC-FM, KANSAS CITY—Licensed to Midland Broadcasting Co. Frequency: 46.5 mc. Personnel: Arthur B. Church, president.

KOZY, KANSAS CITY—Licensed to Commercial Radio Equipment Co. Frequency: 44.9 mc. Personnel: Everett L. Dillard, chief owner; Robert F. Wolfskill, general manager; O. R. Wright, commercial manager; Elizabeth Whitehead, stn. director; Milton Woodward, chief engineer.

NEW JERSEY

WFMN, ALPINE—Licensed to Edwin H. Armstrong. Frequency: 43.1 mc.

WAAW, JERSEY CITY-NEWARK—CP issued to Bremer Broadcasting Corp. (WAAT). Frequency 49.5 mc. Service Area: 6,200 sq. mi.

NEW YORK

WNBFF-FM, BINGHAMTON—Licensed to Wylie B. Jones Advertising

WABC-FM, NEW YORK—Licensed to Columbia Broadcasting System Inc. Frequency: 46.7 mc. Personnel: Arthur Hull Hayes, general manager.

WABF, NEW YORK—Licensed to Metropolitan Television Inc. Frequency: 47.5 mc. Personnel: L. J. Thompson, manager; Theodore B. Grenier, chief engineer.

WBAM, NEW YORK—Licensed to Remberger Broadcasting Service Inc. (WOR). Frequency: 47.1 mc. Personnel: Theodore C. Streibert, manager.

WEAF-FM, NEW YORK—Licensed to National Broadcasting Co. Inc. Frequency: 45.1 mc. Personnel: C. L. Menser, vice-president in charge of programs; Ernest LaPrade, program director; O. B. Hanson, vice-president and chief engineer; Robert Shelby, development engineer; T. J. Buzalski, FM station engineer.

WFGG, NEW YORK—CP issued to William G. H. Finch. Frequency: 45.5 mc. Service area: 8,500 sq. mi.

WGYN, NEW YORK—Licensed to Muzak Radio Broadcasting Station Inc. Frequency: 44.7 mc. Personnel: C. J. Schaefer, executive in charge.

WHNT, NEW YORK—Licensed to Marcus Loew Booking Agency (WHN). Frequency: 46.3 mc. Personnel: Herbert L. Petty, director.

WNYC-FM, NEW YORK—Licensed to City of New York, Municipal Broadcasting System. Frequency: 43.9 mc. Service Area: 3,900 sq. mi. Personnel: M. S. Novik, director; Bertrand Arnov, engineer in charge.

WQXQ, NEW YORK—Licensed to Interstate Broadcasting Co. Inc. (WQXR). Frequency: 45.9 mc. Personnel: Arthur Hays Sulzberger, chairman of the board; John V. L. Hogan, president; Nicholas Roosevelt, vice-president; Elliott M. Sanger, exec. vice-president; Hugh K. Boice, vice-president in charge of sales; Russell D. Valentine, chief engineer.

WHEF, ROCHESTER—Licensed to WHEC Inc. Frequency: 44.7 mc. Service Area: 3,200 sq. mi. Personnel: Gunnar Wiig, director; Bernard O'Brien, chief engineer; W. J. Adams, program director; Ken. Sparnon, music director.

WHFM, ROCHESTER—Licensed to Stromberg-Carlson Co. (WHAM). Frequency: 45.1 mc. Service Area: 3,200 sq. mi. Personnel: William Fay, director; Kenneth J. Gardner, technical supervisor.

WBCA, SCHENECTADY—Licensed to Capitol Broadcasting Co. Inc. Frequency: 44.7 mc. Network—MBS. Personnel Leonard L. Asch, director.

WGFN, SCHENECTADY—Licensed to General Electric Company (WGY). Frequency: 48.5 mc. Service Area: 6,600 sq. mi. Personnel: G. Emerson Markham, manager.

NORTH CAROLINA

WBIT, WINSTON-SALEM—Licensed to Gordon Gray (WSJS). Frequency: 44.1 mc. Personnel: Gordon Gray, owner; Harold Essex, managing director; Norris O'Neill, business manager; Robert C. Estes, program director; Paul Dillon, transmitter engineer; Phil Hedrick, studio engineer.

OHIO

WELD, COLUMBUS—Licensed to

PENNSYLVANIA

KYW-FM, PHILADELPHIA—Licensed to Westinghouse Radio Stations Inc. Frequency: 45.7 mc. Personnel: Leslie Joy, director; Jar Begley, program manager; Har McCall, sales manager; Wm. Y. Rambo, adv. and sales promotion manager.

WCAU-FM, PHILADELPHIA—Licensed to WCAU Broadcasting Co. Inc. Frequency: 46.9 mc. Service Area: 9,300 sq. mi. Personnel: Norris Weir, program director.

WFIL-FM, PHILADELPHIA—Licensed to WFIL Broadcasting Co. Inc. Frequency: 45.3 mc. Service Area: 9,300 sq. mi. Personnel: Roger C. director; Edward C. Obrist, program director; L. E. Littlejohn, chief engineer.

WIP-FM, PHILADELPHIA—Licensed to Pennsylvania Broadcast Co. Inc. Frequency: 44.9 mc. Personnel: James M. Tisdale, director.

WLBG, PHILADELPHIA—CP issued to Seaboard Radio Broadcasting Corp. (WIBG). Frequency: 46.5 mc. Service Area: 9,300 sq. mi.

WPEN-FM, PHILADELPHIA—Licensed to Wm. Penn Broadcasting Co. Inc. Frequency: 47.3 mc. Personnel: Arthur Simon, general manager; L. London, asst. director; Charles Burtis, chief engineer.

KDKA-FM, PITTSBURGH—Licensed to Westinghouse Radio Station Inc. Frequency: 47.5 mc. Personnel: Patti Littell, director.

WTNT, PITTSBURGH—Licensed to WWSW, Inc. (WWSW). Frequency: 44.7 mc. Service Area: 8,400 sq. mi. Personnel: Frank R. Smith Jr., director; Marie Wilk, program director.

TENNESSEE

WSM-FM, NASHVILLE—Licensed to Nashville Life & Accident Insurance Co. Frequency: 44.7 mc. Service Area: 16,000 sq. mi. Personnel: M. Jorie Cooney, director.

UTAH

KSL-FM, SALT LAKE CITY—CP issued to Radio Service Corporation of Utah. Frequency: 44.7 mc. Service Area: 700 sq. mi.

WISCONSIN

WMFM, MILWAUKEE—Licensed to The Journal Company (WTMJ). Frequency: 45.5 mc. Service Area: 8,500 sq. mi. Personnel: Walt Damm, general manager; L. W. Hezog, station manager; R. G. Winni, asst. manager; D. W. Gellerup, chief technical supervisor (on leave); Philip Laeser, FM-Television engineer.

WDUL, SUPERIOR—Licensed to Head of The Lakes Broadcasting Co. (WVBC). Frequency: 44.7 mc. Service Area: 8,500 sq. mi. Personnel: Walt Damm, general manager; L. W. Hezog, station manager; R. G. Winni, asst. manager; D. W. Gellerup, chief technical supervisor (on leave); Philip Laeser, FM-Television engineer.

“did you say **FM OLDTIMER?”**



Yes, K-O-Z-Y is an FM Oldtimer, backed by three years of uninterrupted EXCLUSIVE FM Service to the Heart of the Middle West. Prewar FM Pioneer and Pacemaker in the Kansas City Area, KOZY today still “sticks to its story” of EXCLUSIVE FM PROGRAMMING FOR EXCLUSIVE FM LISTENING! That’s why listeners in Kansas City who insist on Tomorrow’s Voice Today still bank on K-O-Z-Y. That’s why Kansas City is a KOZY Market!

If you want time-tested FIRST CONTACT with Kansas City FM Families, today and tomorrow . . . if you want Prewar Performance, plus Postwar Perspective . . . if you want an OLD HAND at a New Medium, you should join KOZY’s EXCLUSIVE Circle. Do you have a copy of Rate Card 3?

“Pioneer FM Station in the Kansas City Area”

ELIZABETH WHITEHEAD
Station Director



EVERETT L. DILLARD
General Manager

SOUTH AND CENTRAL AMERICAN BROADCASTING STATIONS

Including Stations of West Indies. Data from Latest Available Sources, Supplied by International Division of the Federal Communications Commission and the Co-ordinator of Inter-American Affairs.

BRITISH HONDURAS

[Receiving Sets, 1,350.]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Belize	ZIK-2	Government	10600	0.2

COSTA RICA

[Receiving Sets, 25,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Alajuela	TIJMM-5	Ecos del Poas (Emilio E. Martinez)	575	0.8
Cartago	TIMC	Radio Caribe (J. Mario Cardos M.)	735	0.7
Heredia (Heredia)	T14NRH	La Voz del Comercio (Amando Cespedes Marin)	725	0.75
Puntarenas (Puntarenas)	TIWS	Ecos del Pacifico (Manuel Campos J.)	900	0.35
San Jose	TILJ	Radio San Jose (Lola Monje M. de Jimenez)	775	3.0
"	TI-MACHO	Estafeta Comercial (Maximo Chaves Arias)	1100	1.0
"	TIOS	Radio Titania (Rafael Sotela)	940	2.0
"	TILS	Para Ti (Luis Saenz Mata)	880	5.0
"	TIGPH	Alma Tica (Gonzalo Pinto H.)	605	6.5
"	TIGPH2	Nueva Alma Tica (Gonzalo Pinto H.)	800	8.0
"	TIGPH3	Radio Tibas (Gonzalo Pinto H.)	650	10.0
"	TIRH	Radio El Mundo (Rafael Hine Chavarria)	970	1.0
"	TIJMP	Radio America Latina (Jose Maria Pinaud)	690	2.5
"	TIPG	La Voz de la Victor (Perry Girtton)	625	5.0
"	TIFA	La Voz de Italia (Francisco Arie)	1000	0.25
"	TINBC	La Voz de la Democracia (Perry Girtton)	1070	5.0
"	TICQ	La Voz del Continente (Narciso Garcia)	750	0.5
"	TIEP	La Voz del Tropic (Eduardo Pinto H.)	830	3.0
"	TIRS	Radio Athenea (Rogelio Sotela B.)	925	1.0
"	TIHZ	Radio Universal (Heli Zuniga)	1150	1.0
"	TIRCC	Accion Catolica (Carlos Borge)	1200	0.5
San Juan de Tibas	TIBAS	Estacion Tibas (Gonzalo Pinto H.)	650	8.0

CUBA

[Receiving Sets, 250,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Bayamo, Orte	CMKX	Oscar Vidal Benitez	1390	0.25
Caibarien	CMHD	Manuel Alvarez	1560	0.25
Camaguey	CMJL	Cirquito CMQ (Cambo y Gabriel S. A.)	920	10.0
"	CMJN	Radio Habana Cuba Cadena Azul, S. A.	740	1.0
"	COJK	Jones, Castrillon y Cia.	8663	1.0
"	CMJK	Jones, Castrillon y Cia.	1160	0.25
"	CMJA	Rafael Valdes Jimenez	1060	0.25
"	CMJE	Primo Alonso Casares	1230	0.25
"	CMJF	Gertrudis de la Cruz Perez	1300	0.25
"	CMJW	Andres Moran Cisneros	1440	0.25
"	CMJC	Fernando Terron Bolanos	1340	0.25
Camajuani (Santa Clara)	CMHO	Enrique Lasanta, Oliver	1250	0.25
Cardenas, Mtzas	CMGE	Genaro Sabater	1470	0.25
Ciego de Avila	CMJH	Luis Maraumi Mendoza	1370	0.25
"	CMJI	Ciego de Avila (Isidro Castellanos Perez)	1400	0.25
"	CMJM	Radio Habana Cuba Cadena Azul, S.A.	1270	1.0
"	CMJO	Bonifacio Ildefonso	1470	0.25
Cienfuegos, L. V.	CMHM	Jose Ramon Femenias, Jr.	1450	0.25
"	CMHJ	Romualdo Ugalde y Cordero	1350	0.25

CUBA—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Guantanamo, Orte	CMKS	Candido Savon Suarez	900	0.25
"	CMKH	Virgilio Arciero Maffei	1180	0.25
Guines	CM9RT	Raul Torres Pabdal	1610	0.25
Guanabacoa (Habana)	COCH	Radio O'Shea (Radio International)	9437	1.0
"	CMBH	Radio Reloj (Vicente Espinosa)	1540	5.0
"	CMCF	Radio O'Shea (Radio International)	910	5.0
Habana	COCQ-1	Cirquito CMQ (Cambo Y Gabriel S. A.)	8833	5.0
"	COBZ	Radio Salas (Manuel y Guillermo Salas)	9030	1.0
"	CMA5	Cuba Transatlantic Radio Corporation	5780 6790 8630 11560 15505 17260	1.0 0.15
"	CMCJ	Rafael Rodriguez	1580	0.25
"	CMCR	La Voz del Caribe (Juan Gonzalez y Seneriz)	1580	0.25
"	CMCA	(Augusto Testar y J. M. Gonzales)	1490	0.25
"	CMCG	La Onda S. A. (Dr. Miguel Angel Campos)	1460	0.25
"	CMCQ	(Andres Martinez)	760	0.25
"	CMBX	Radio Talleres Alvarez (Vicente Espinosa, Julio C. Traviaso)	1390	0.25
"	CMK	(Fausto Montiel)	830	0.25
"	CMQ	Cirquito "CMQ" (Cambo y Gabriel S. A.)	690	25.0-I 15.0-N
"	CMCY	Radio Habana Cuba, Cadena Azul, S. A.	590	15.0
"	CMW	Cadena Rosa Voz de Las Antillas (Adolfo Gil y Miguel Troncoso)	550	2.5
"	COCX	(Francisco A. Lavin)	11650	1.0
"	COCW	Ciudad de la Habana (Adolfo Gil y Miguel Troncoso) (Under Construction)	21740 6822	1.0
"	COBL	Cia. Transradio Columbia, S. A.	9833	1.0
"	COCY	Radio Habana Cuba Cadena Azul, S. A.	11740 21620	0.1
"	COBQ	Andrea Martinez	9235 9540	0.1
"	COF	Guartel de Bomberos Ministerio de Defensa Publicas	7255	0.1
"	COK	Cuban National Sports Dept.	11616	1.0
Cerro (Habana)	CMCB	Radio Cadena Informativa (Metropolitan Radio de Cuba, S. A.)	1330	0.25
Habana	CMOA	Juan Fernandez Duran	1360	0.25
"	CMC	Rafael Valdes	1360	0.25
"	CMBG	Voz de Oro (John L. Stowers)	1390	0.25
"	CMCX	Radio Popular (Jose Custodio Milagro Rumbaut y Lanza)	1290	0.25
"	CMCW	Jose Vilarino	1230	0.25
"	CMCU	Jorge Garcia Serra	1190	0.25
"	CMBY	Casa de Las Medias (Pages y Cia.)	1110	0.25
"	CMX	Francisco A. Lavin	1010	10.0
"	CMBZ	Radio Sales (Manuel y Guillermo Salas)	950	5.0-D 1.0-D
Holguin	CMKJ	Cirquito "CMQ" (Cambo y Gabriel, S. A.)	970	1.0
"	CMKV	Radio Habana Cuba, Cadena Azul, S. A.	600	1.0
"	CMKF	Manuel J. de Gongara	1490	0.25
"	CMKO	Manuel Angulo Farran	1220	0.25
"	CMKG	Emilio Grau Medina	1050	0.25
"	CMGN	Radio Habana Cuba, Cadena Azul, S. A.	1310	1.0
Jovellanos, (Matanzas)	CMKE	Cia Radio Emisora Manzanillo, S. A.	1320	0.25
Manzanillo, Orte.	CMKM	Raimundo Comas Solar, Merchan y P. Giguereado	560	0.25
Marianao (Habana)	CMZ-1	La Voz de Democracia (Government-Ministry of Nat'l Defense)	660	0.25
"	CMBF	Radio Universal (Compania Radio Universal, S. A.)	730	5.0
"	CMZ	Ministry of Education	1260	5.0
"	COX	Ministry of Education	9640	5.0
Matanzas, Cuba	COGF	Bernabe R. de la Torre	11800	1.0
"	CMGH	Garcia Alvarez & Heirs	1440	1.0
"	CMGF	Bernabe R. de La Torre	1240	0.25
Nuevitas, Cam.	CMJQ	Manuel Puig Martinez	1580	0.25
Palma Soriano, Orte.	CMKZ	Joaquin Venero Obregon	1430	0.25
Pinar del Rio	CMAB	Francisco Martinez P. R.	1450	0.25
"	CMAQ	Cirquito "CMQ" (Cambo y Gabriel, S. A.)	810	1.0
"	CMAN	Radio Habana Cuba Cadena Azul, S. A.	1300	1.0
Placetas, L. V.	CMHP	Candido de Los Angeles, Guevara Perdomo	1320	0.25
Puentes Grandes (Habana)	CMBQ	Ametteo Battisti	1150	1.0-D 5.0-N
"	CMBF		730	5.0
Puerto Padre, Orte.	CMKY	Pedro Zacca Cheda	1350	0.1
Rancho Boyeros (Habana)	COBC	Radio Progreso (Domingo Fernandez Cruz)	9363	1.0
"	CMBC	Radio Progreso (Domingo Fernandez Cruz)	790	5.0-D 1.0-N

How can YOU sell Cuba?

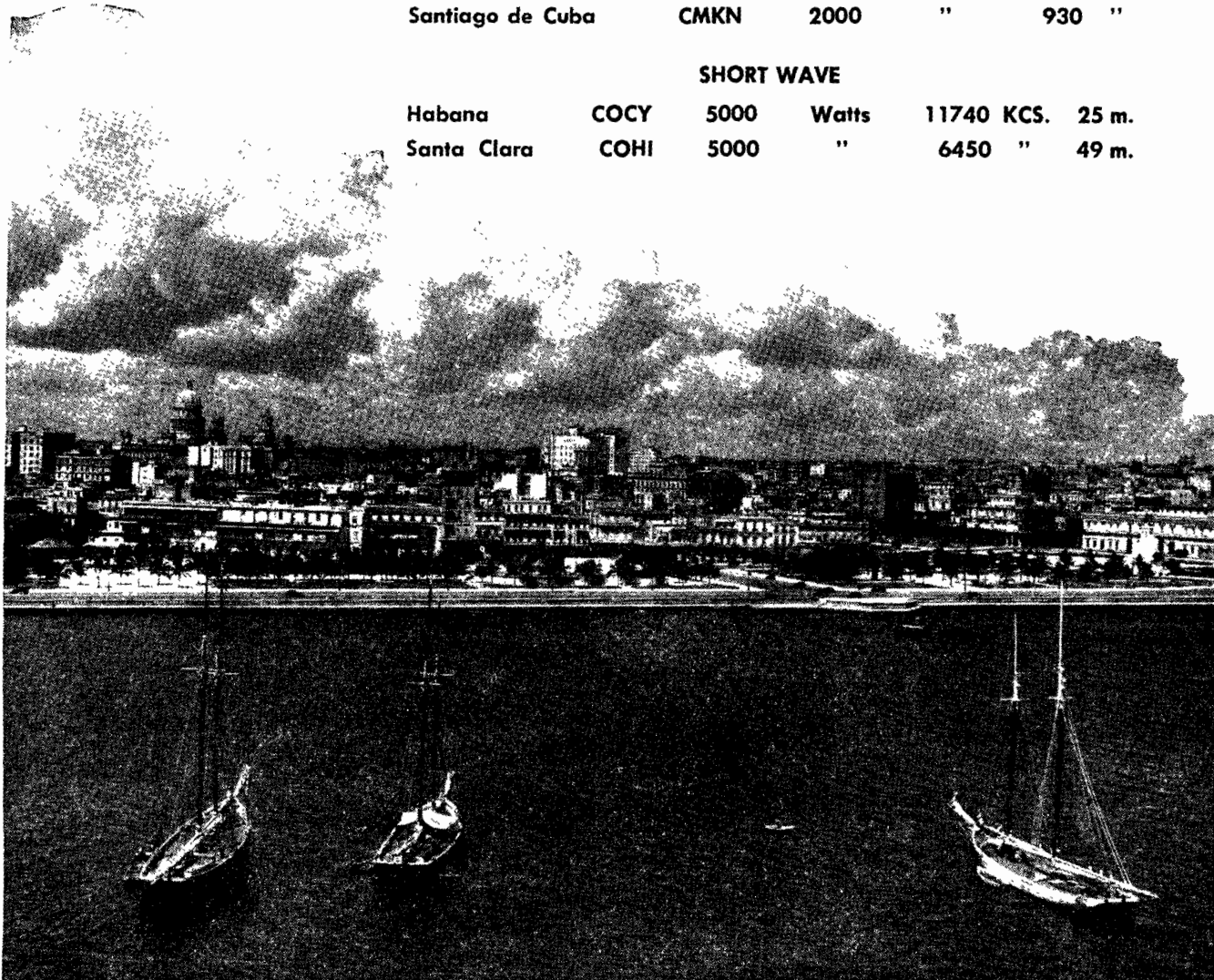
RHC OWNS AND OPERATES THESE STATIONS

LONG WAVE

Habana	CMCY	20000	Watts	590	KCS
Pinar del Rio	CMAN	1000	"	1300	"
Santa Clara	CMHI	15000	"	570	"
Camaguey	CMJN	1000	"	740	"
Holguin	CMKV	2000	"	600	"
Santiago de Cuba	CMKN	2000	"	930	"

SHORT WAVE

Habana	COCY	5000	Watts	11740	KCS.	25 m.
Santa Clara	COHI	5000	"	6450	"	49 m.



RHC Cadena Azul

HUMBERTO D. GONZALEZ, U. S. REP. • 220 W. 42ND ST., NEW YORK CITY

AFFILIATED WITH CBS

CUBA—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Reperto Rancho Boyeros (Habana)	CMCK	Luis Casas Rodriguez, Ernesto Casas Rodriguez	980	5.0
"	COCO	Luis Casas Rodriguez, Ernesto Casas Rodriguez	8700	5.0
Reperto Vedado (Habana)	CMBD	Luis Perez Garcia	1460	5.0 0.25
"	CMOX	Perez y Chisholm	1490	1.0
Roselea Abreu	CMBL	Radio Cadena Suaritos (Radio Cadena Suaritos, S. A.) (Laureano Suarez Valdes)	860	5.0
Sagua La Grande, S. C.	CMHA	Abelardo Menocal	1280	0.25
San Luis, Oriente	CMKQ	Angela Viciado Quintero	1460	0.5
Sancti Spiritus	CMHB	V. E. Weiss y O. Ramirez Isla	1410	0.25
Santiago de Cuba	CMKN	Radio Habana Cuba Cadena Azul, S. A.	930	1.0
"	CMKU	Cambo y Gabriel	760	1.0
"	CMKW	Ricardo Miranda Cortes y Raul Souлары Echevarria	1000	1.0
"	CMKC	Roberto Miguel Gonzalez	1250	0.25
"	CMKR	Jaime Nadal	1090	0.25
"	COKG	Emilio Grau Medina	8942	1.2
"	CML5	Cuba Transatlantic Radio Corp.	15505 5780 8630 6790 11560 17260	0.15
"	CMKD	Otto Juan Vinas Gimeno	1290	1.0
Santiago de las Vegas, (Habana)	CMBA	Juan de Dios Carreno y Valdes	1420	0.25
Santa Clara (Las Villas)	CMHQ	Cirquito "CMQ" (Cambo y Gabriel)	800	10.0
"	CMHI	Radio Habana Cuba, Cadena Azul, S. A.	570	15.0
"	CMHN	Radio Habana Cuba, Cadena Azul, S. A.	960	1.0
"	CMHX	(Francisco Chavarrey Fuster)	1480	0.25
"	COHI	Radio Habana Cuba, Cadena Azul, S. A.	11765 6455	5.0
"	CMBM	Jose Ramon Femenias, Jr.	1450	0.25
C. de Manicaragua, Santa Clara (Las Villas)	CMHW	Radio Habana Cuba, Cadena Azul, S. A.	960	1.0
Trinidad, L. V. Vedado (Habana)	CMHT	F. E. Soto del Valle	990	0.25
"	CMOY			0.25
"	CMCO	Enrique Lasanta Oliver. Lessee-Carlos M. Sanchez	1230	0.25
"	CMBS	Enrique Artalejo Fernandez	1090	1.0
"	CMCM	Ron Merino (Compania Transradio Columbia, S. A.)	1060	0.25

GUATEMALA

[Receiving Sets, 40,000. Set Tax, \$3.00 per Year]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Guatemala City	TG1	Radio Morse	1310	0.25
"	TG2	(Guatemalan Government)	6220	1.0
"	TG3		2320	0.5
"	TGW	La Voz de Guatemala	1520	5.0
"	TGWA	(Guatemalan Government)	9450 9685 11760 15170 17800 21680 26070 26520 6460 6490 1520	10.0
"	TGWB		1520	1.0
"	TGWC		1520	10.0
"	TGX	El Liberal Progresista	1400	0.1
"	TGX1		6130	
Quezaltenango	T6Q	Radio Nacional	1450	0.5
"	TGQA	(Guatemalan Government)	6400	1.0

DOMINICAN REPUBLIC

[Receiving Sets, 13,000. Set Tax, 50 Cents Yearly]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Ciudad Trujillo	HIZ	Frank Hatton	1350	0.1
"	HI1Z		6312	0.25
"	HIN	Partido Dominicano	1090	0.15
"	HI1N		6246	0.7
"	HIX	Dominican Government	950	0.2
"	HI1X		6342	0.25
"	HI3X		1180	0.25
"	HI1G	Andres Cordero P.	6124	0.1
"	HI2G		9290	0.1
"	HIT	El Hit del aire (F. A. Sanabria)	6630	0.1
"	HIL	Joaquin C. Pellicer	6187	0.06
"	HI6H	La Voz del Pueblo (Emilio Garden, Jr.)	6115	0.1
"	HIH	Domingo Dominguez	1420	0.25
Monsignor Nouel (La Vega)	HI2T	Jose Arismendy Trujillo	6480	0.2

DOMINICAN REPUBLIC—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
San Cristobal	HI1R	La Voz de Fundacion (Luis Alberty)	6420	0.2
San Pedro de Macoris	HIH	Domingo Dominguez	1420	0.25
"	HI1J	Fausto M. Donastorg	6025	0.1
Santiago	HI1A	La Voz del Yaque (Rafael Western)	6182	0.75
"	HI3U	La Voz del Comercio (Fernando Bertran)	6015	0.1
"	HI9B	Broadcasting Hotel Mercedes (Jacinto L. Sanchez)	6383	0.2
"	HI1S	Generoso Sarhelli	6420	0.2
"	HI1L	La Voz del Diario (Maria J. Tavarez)	6480	0.1

HAITI

[Receiving Sets, 5,000. Set Tax, 20c per Tube]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
Port-au-Prince	HHW	C. Ricardo Widmaier, Jr.	1300	0.5
"	HH3W		10100	0.75
"	HH2S	Societe Haitienne de Rasiiodifusion	7500 5940	0.3
"	HHBM	Frank C. Magliore	9660	1.0
"	HHCA		4600 9200 (Not used)	
"	HHCM		6122	1.0
"	HHJM		1478	1.0

EL SALVADOR

[Receiving Sets, 11,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
El Salvador (San Salvador)	YSO	Membreno Nussen	870	
"	YSN		7270	
San Salvador	YSR	Sucesion Cevallos (Alberto Cevallos)	990 6226	2.0
"	YSS	"Alma Cuscatleca" (Government of El Salvador)	638	0.5
"	HUB		4780	0.4
"	YSD		7894	
"	YSP1	Escalante Rubio	780	0.5
"	YSP	La Voz de Cuscatlan (Fernando Albayeros-Sosa)	760	
"	YSPB		6150	
"	YSPA		9575	
"	YSY	Consul of Paraguay	1100 7225	0.25

HONDURAS

[Receiving Sets, 11,800. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
Ceiba (La Atlantida)	HRD2	La Voz de Atlantida (Ing. M. R. Moncada)	6235	0.25
San Pedro Sula (Cortes)	HRP1	El Eco de Honduras (Filiberto Diaz Zelaya)	6351	0.2
Tegucigalpa	HRN	La Voz de Honduras (Rafael Ferrari)	5875	0.2

MEXICO

[Receiving Sets, 750,000. No Set Tax]

(Latest Estimate—600,000 sets)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
Acapulco, Gro.	XEKJ	Sra. Refugio Acosta de Valdiviesco	1400	0.25
Agua Prieta, Son.		(Under construction)	610	0.25
"	XERP		1190	50.0
Aguascalientes, Ags.	XEBI	(Pedro C. Rivas)	1360	0.25
"	XELY		1490	0.15
Campeche	XEA	Luis A. Maury	1370	1.0
Cananea, Son.	XEFQ	Ernesto Felix	980	0.5
"	XESY	Hector Compy	1320	0.25
"	....		1490	0.25
Cases Grandes, Chih.	XETX		1400	0.1
Celaya, Guan.	XENC		1540	0.25
"	...		1090	0.25
Chihuahua, Chih.	XEFI	Ramiro G. Uranga	1440	1.0
"	XEM	Pedro Meneses, Jr.	1390	0.5
"	XEBW	Radio Emisora del Norte	1280	0.6
"	XEBU	Feliciano Lopez Islas	1240	0.1
"	....		580	0.25
Chilpancingo	XEJI	Eduardo Jimenez de la Cuesta	1300	0.25
Ciudad Camargo, Chih.	XEOH		1270	0.15
Ciudad Delicias	XEJK	David G. Cervantes	1340	0.1
Ciudad Guzman, Jal.	XEBA	Jose D. Gonzales	1270	0.25
Ciudad Juarez, Chih.	XELO	Cia. Radiodifusion de Piedras Negras	800	150.0
"	XEJ	Pedro Meneses, Jr.	970	5.0
"	XEP	Esteban Parra	1300	0.5

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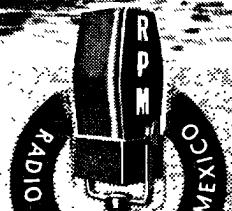
*Of course you'll find Tamales and Tortillas
in Mexico! Also the gayest of fiestas
and lovely señoritas.*

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MEXICO—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Ciudad Obregon, Son.	XEAP	Emilio Manzanilla	1290	0.1
"	XEOX	Felipe G. de Leon	1340	0.25
C. Valles, San Luis Potosi	....		1340	0.1
"	....	Tomas Oliva Bannelos	1490	0.125
Ciudad Victoria, Tam.	XEBJ	Fernando Elizalde	1450	0.1
Coarzacalcos, Ver.	XEFZ	Pedro E. Rocher	1340	0.25
Colima, Col.	XERL	J. Roberto Levy	1280	0.25
Cordoba de Vera cruz	XECW	Juan Sedas M.	1340	0.25
"	XEAG	Diodoro Zuniga	1280	0.25
Cuernavaca, Morelts	XEJC		1420	0.1
"	....	Radio Bugainvilla (Ing. Juan Gutierrez, Jr.)		
"	XEY	Lucinda Arenas de Meza Millan	980	0.15
Culiacan, Sin.	XESA	Pablos y Elizalde, S. de R. L.	1360	0.5
"	XEBL	Max Gomez Blanco	1260	0.5
"	XEGF		1300	0.1
"	....	(Projected)	1060	1.0
Durango, Dur.	XEE	Alejandro O. Stevenson, Jr.	1280	0.25
"	XEDU		1400	0.15
Ensenada, B. C.	XEPF	Luis Enrique Enciso	1400	0.2
Fresnillo, ZAC	XEMA	Jose M. Acesedo Moya	1340	0.1
Gomez Palacio, Dur.	XEMG		1310	0.25
Guadalajara, Ja.	XEJB	Gobierno del Estado de Jalisco	1010	5.0
"	XEJG		4820	0.2
"	XEDK	Salvador Vazquez Tello	1250	0.5
"	XED	Cia. Radiofonografica, S. A.	680	1.0
"	XEDQ		6155	0.1
"	XEHL	Radio Anunciadora Kist, S. de R. L.	1370	0.5
"	XELW	Salvador Galindo de la Torre	1340	0.25
"	XEHK	Carmen Villasenor	960	0.25
"	XEAV	Alfredo Vasquez, Cine Alameda	580	1.0
"	XEAD	Alejandro A. Diaz	1150	0.25
"	XEXN		1400	0.25
"	XELT	J. H. Tostado Lomell	840	0.25
Guanajuato, Guan.	XEJT		570	0.1
Guaymas, Son.	XEDR	Modesto Ortega	1490	0.25
Hermosillo, Son.	XEBH	Carlos Balderrama	920	1.0
"	XEBR		11820	0.15
"	XEDL		1250	0.5

MEXICO—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power Kilowatts
Hermosillo, Son.	XEHQ	Radio Hermosillo S. de R. L. (Jose Sosa)	590	0.3
"	XEOP		960	0.5
"	....		1300	0.25
Hidalgo del Parral, Chih.	XEJS		1150	0.5
"	XEAT	Jorge Perez	1250	0.25
"	XEJR	Anastasio Gomez Gallardo	1490	0.1
Irapuato, GT.	XEBO	La Voz del Centro (Alfonso Martinez)	1330	0.5
"	XEWE	Felipe Gallardo	1420	0.1
Ialapa de Veracruz	XEBF	Pedro Coronel Aburto	6090	0.25
"	XEKL	Carlos Fernandez Matos	550	0.1
"	XEJA		1400	0.25
"	XEJW		1490	0.1
La Barca	XEGC	Guillermo Calzada	1450	0.1
La Paz, Baja, Cal.	XEPX		550	0.25
Leon de Guanajuato	XEFM	Sucs. R. Oritz Gonzalez	1270	0.1
"	XERZ	Rafael C. Navarro	1240	0.25
"	XERW	Rafael C. Navarro	1390	0.1
Linares	XER	Rafael T. Carranza	1260	0.25
Los Algodones, Baja, Cal.	....		560	0.1
Los Mochis, Sinaloa	XECF	Francisco Perez H.	1410	1.0-I
Magdalena de Sonora	XEDJ	Enrique Sorolegui	1450	0.5-N
Matamoros, Tam.	XEO		970	0.75
"	XEXP		1450	0.1
"	XEAM	Manuel L. Salinas	1400	0.25
Mazatlan, Sin.	XERJ	Oscar Perez E.	1320	0.5
"	XEDS	Alejandro A. Schober	1420	0.5
"	....		1380	0.25
Merida, Yuc.	XEZ	Jorge L. Palomeque	600	2.0
"	XEME	Perfecto Villamil Cicero	1270	0.5
"	XEFC	Julio Molina Font	1340	0.25
"	XEFK	Manuel Zapata Espinosa	1450	0.1
"	XEMQ	Lazaro Achurra Suarez	1240	0.25
"	XEMH	Alvaro Barquet Y.	1400	0.25
Mexicali, B. C.	XECL	Alfonso A. Lacarra	990	5.0
"	XEAO	Chavez y Castro, Sucesores	910	0.25
"	....		560	0.25
"	XEAA	Alberto Gonzales	1340	0.25
Mexico City	XEXA	Radio Gobernacion (Depto. de Publicidad y Propaganda)	6175	0.1
"	XEBT	El Buen Tono, S. A.	6000	10.0
"	XEB		1220	100.0
"	XEW	La Voz de la America Latina desde Mexico (Cadena Radiodifusora Mexicana)	900	100.0
"	XEWV		9500	10.0
"	XEQ	Radio Panamericana S. A.	730	150.0
"	XEQQ		9680	1.0
"	XEDP	Radio Gobernacion	940	50.0
"	XEOY	Ignacio Diaz R.	1000	10.0
"	XEST		1060	50.0
"	XEBZ	El Vocero Mexicano (Habenero Piza, S. A.)	660	0.5
"	XELA	Radio Metropolitana	830	1.0
"	XEUZ	Partido Revolucion Mexicana	6130	0.1
"	XEFO		1110	20.0
"	XEN	Radio Mundial (Guillermina P. del Conde)	690	5.0
"	XEYU	National Univ. of Mexico	9600	0.25
"	XEUN		860	5.0
"	XEML	Roberto Valezzi Esparza	1550	1.0
"	XEQR	Corp. Mexicana de Radio, S. A.	1030	1.0
"	XEQK	Angel H. Ferreiro	1350	1.0
"	XEDA	Pedro Riestra Diaz	1290	1.0
"	XEMC	Dolores G. Estrada de F.	1590	5.0
"	XERC	Radio Popular de Mex., S. A.	790	1.0
"	XELZ	La Voz de la Industria Nacional (Maria Cardona de Zetina)	1440	1.0
"	XENK		620	5.0
"	XEPH	Pedro Riestra Diaz	590	5.0
"	XERH	Voz de la Revista Hoy	1500	0.5
"	XEJP	Delia Cubillas de Fernandez	1150	0.6
"	XESM	Salvador San Martin	1470	5.0-I
"	....		1320	1.0-N
"	XEAI	Radio Zenith (Carmen Gutierrez)	970	0.5
"	XEK	Arturo Martinez	1260	0.75
"	XEL	Ramon Ferrero	1410	0.75
"	XEBS	Maria Remedios Delgado	1180	0.25
"	....		1380	0.5
Mexico City	XEMX	Guillermo Robles	560	1.0
"	XEOF		9610	0.5
"	XERQ	Corp. Mexicana de Radio, S. A.	9555	0.5
"	XETT	Angel H. Ferreiro	1260	0.25
Minatitlan, Ver.	XEDW	Hector Silva Canto	9555	1.0
Monterrey, N. L.	XETA	El Pregonero del Norte, S. A.	990	5.0
"	XET		1050	150.0
"	XEG	The Friendly Voice from Mex.	1420	1.0
"	XEH	Radio Tarnava S. de R. L. (Ing. C. de Tarnava Jr., Luis de Tarnava, Bros.)	630	0.5
"	XEFB	Jesus Quintanilla		

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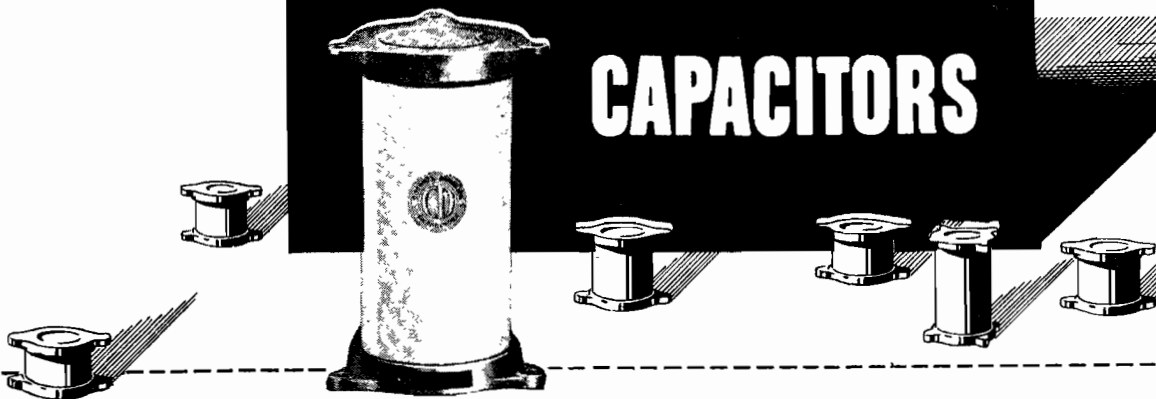


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THE STANDARD IN TRANSMISSION AND RECEPTION

ARGENTINA—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Cordoba	LV3	Radio Cordoba (Alberto P. Brouard)	620	25.0
"	LV2	Radio Central (Luis Maunier)	960	4.0
"	LV8	Authorized or Under Construction	1540	0.25
"	LW1	Radio Splendid (Red Argentina de Emisoras Splendid)	790	15.0
Corrientes	LT7	Radio Provincia Corrientes (Gobierno Prov. Corrientes)	1340	1.0
Florida (B. A.)	LR2	Radio Argentina (Alfredo Schroeder)	910	15.0
"	LS10	Radio Libertad (Victor J. Ruano)	590	4.5
"	LR9	Radio Fenix (Gregorio Echavarria)	1030	4.0
"	LS2	Radio Buenos Aires (Teodoro Prieto)	1190	8.0
Hurlingham (B. A.)	LR6	Radio Mitre (S. A. La Nacion)	870	25.0
"	LR3	Radio Belgrano (Jaime Yankelevich)	950	90.0
Jujuy	LW8	Radio Splendid (Red Argentina de Emisoras Splendid)	1010	
Mar del Plata	LU6	Radio Atlantica (Jose Zaccagnini)	1300	0.5
Mendoza	LV10	Radio Cuyo (Marcelino Aparicio)	1210	2.5
"	LV6	Radio Splendid (Red Argentina de Emisoras Splendid)	630	10.0
"	LRM	Authorized or Under Construction	6180	10.0
"	LV16	Authorized or Under Construction	1520	25.0
"	LW2	Radio Aconcagua (S. A. Radio Los Andes)	1370	0.5
Monte Grande (B. A.)	LS1	Radio Municipal (Municipalidad de la Capital)	710	50.0
"	LR5	Radio Excelsior (Alfredo B. Dougall)	830	25.0
Necochea	LU9	Authorized or Under Construction	1440	0.5
Neuquen	LU5	Radio Splendid (Red Argentina de Emisoras Splendid)	1130	1.5
"	LU11	Authorized or Under Construction	1370	0.5
Olmas	LS11	Radio Provincia de Buenos Aires (Gobierno Prov. B. Aires.-Pasaje Dardo Rocha)	1310	30.0
Parana	LT11	Authorized or Under Construction	1470	0.5
La Plata	LR11	Radio Universidad Nacional de la Plata (Universidad Nacional de la Plata)	1390	1.5
Posadas	LTA	Radio Splendid (Red Argentina de Emisoras Splendid)	1030	1.0
Posadas(Misiones)	LT6	Authorized or Under Construction	1460	0.5
Resistencia(Chaco)	LT5	Radio Chaco (Jose M. Noveri)	1080	1.5
Rio Gallegos	LU12	Radio Rio Gallegos (Cia. Broadcasting de la Patagonia)	680	1.5
La Rioja	LW14	Radio La Rioja (S. A. Radio Belgrano)	1330	1.0
Rivadavia (B. A.)	LR4	Radio Splendid (Antonio C. Devoto)	990	50.0
"	LS5	Radio Rivadavia (Enrique Caride)	1110	5.0
"	LR51	Radio Splendid (Red Argentina de Emisoras Splendid)	5900	5.0
"	LR5	Radio Splendid (Red Argentina de Emisoras Splendid)	9315	5.0
Rosario, Santa Fe	LT1	Radio del Litoral (Fernando Maliandi)	780	20.0
"	LT3	Radio Soc. Rural Cerealistas (Soc. Rural Cerealistas)	1160	10.0
"	LT8	Radio Rosario (Alfredo B. Dougall)	840	0.25
"	LT2	Radio Splendid (Red Argentina de Emisoras Splendid)	1230	15.0
"	LR11	Radio Ovidia Lagos (Joaquin Lagos)	11880	10.0
Salta	LV9	Radio Provincia de Salta (Gobierno Prov. Salta)	970	1.0
San Fernando (B. A.)	LR1	Radio El Mundo (Empresa Editorial Haynes Ltda S. A.)	1070	50.0
"	LRU	Radio El Mundo (Empresa Editorial Haynes Ltda S. A.)	15290	5.0
"	LRX	Radio El Mundo (Empresa Editorial Haynes Ltda S. A.)	9660	25.0
"	LRX1	Radio El Mundo (Empresa Editorial Haynes Ltda S. A.)	6120	5.0
San Juan	LV1	Radio Graffigna (S. A. Graffigna Ltda.)	560	10.0
"	LV5	Radio Los Andes (Soc. C. Rodriguez Vila y Cia.)	1090	1.5
San Luis	LV13	Radio San Luis (Ovidio di Gennero)	1250	1.0
San Rafael (Mendoza)	LV4	Radio San Rafael (Julio Silva)	690	0.5
Santa Fe	LT10	Radio Universidad Litoral (Radio del Inst. Social de la Universidad, Litoral)	1320	0.4
"	LT9	Radio Roca Soler (Roca Hermanos y Cia.)	1200	1.7
"	LT12	Authorized or Under Construction	1260	1.0
Santiago del Estero	LV11	Radio del Norte (S. A. El Liberal)	1170	2.0
Tucuman	LV12	Radio Aconquija (Suc. Resp. Lda. Radio Aconquija)	580	2.5

BOLIVIA

[Receiving Sets, 50,000. No Set Tax]
(Latest Estimate—20,000 Sets)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Cochabamba	CP28	Radio Central (Gottret y Cia.)	1360	0.15
"	CP40	Radio Central (Gottret y Cia.)	9570	0.25
"	CP44	Radio Popular (Victor Veltze)	580	0.05
"	CP45	Radio Rural (Raul Montecinos)	1090	0.05
"	CP39	Radio Continental	6160	0.25
La Paz	CP3	Radio Nacional (Costas Hermanos)	1380	1.0
"	CP38	Radio Nacional (Costas Hermanos)	9505	1.0
"	CP4	Radio Illimani (Dept. of Communications of Bolivian Government)	1040	0.25
"	CP5	Radio Illimani (Dept. of Communications of Bolivian Government)	6200	1.0
"	CP8	Radio "America" (Sejas and Company)	1450	0.05
"	CP10	Radio La Paz (Chavez Suarez)	1090	0.25
"	CP12	Radio Fides, Colegio San Calixto (Jesuit School)	6150	0.25
"	CP29	Radio Fides, Colegio San Calixto (Jesuit School)	1350	
"	CP16	Radio Los Andes	1230	0.2
"	CP18	Radio Comercio	1300	0.05
"	CP14	Radio La Noche (Javier Romero)	1250	0.05
"	CP26	Radio Universal	1510	0.05
"	CP31	Radio Patria	975	0.0
"	CP46	Radio Victoria	770	0.0
"	CP19	Radio Cultura (Agustin Aspiazu)	950	0.05
"	CP20	Radio El Condor (Ramon Pelaez)	940	1.0
"	CP15	Radio El Condor (Ramon Pelaez)	5880	1.0
"	CP32	Radio Bolivia (Cia. Internacional de Radio Bolivia)	620	0.05
"	CP34	"El Norte—Radio Sucre (Guillermo Teran)	680	0.15
"	CP25	"El Norte—Radio Sucre (Guillermo Teran)	9700	0.2
Oruro	CP36	Radio Mercurio (Enrique Wanting)	1420	0.0
"	CP11	Radio Bolivar (Dept. of Communications of Bolivian Government)	6100	0.2
"	CP37	Radio Oruro (Blanco Linares)	6170	0.5
"	CP18	Radio El Condor (Ramon Pelaez)	900	0.25
Potosi	CP22	Radio Internacional (L. Camacho)	6130	0.25
"	CP17	Radio Cultural (Alfredo Ossio L.)	1600	0.05
Santa Cruz	CP13	Radio "El Oriente" (Dept. of Communications of Bolivian Government)	6135	0.25
Sucre	CP27	Radio Pilot (C. Torres)	1420	0.05
"	CP1	Radio Chuquisaca (Jose Camacho B.)	9500	0.25
Tarja	CP21	Radio Guadalquivir	6190	0.75

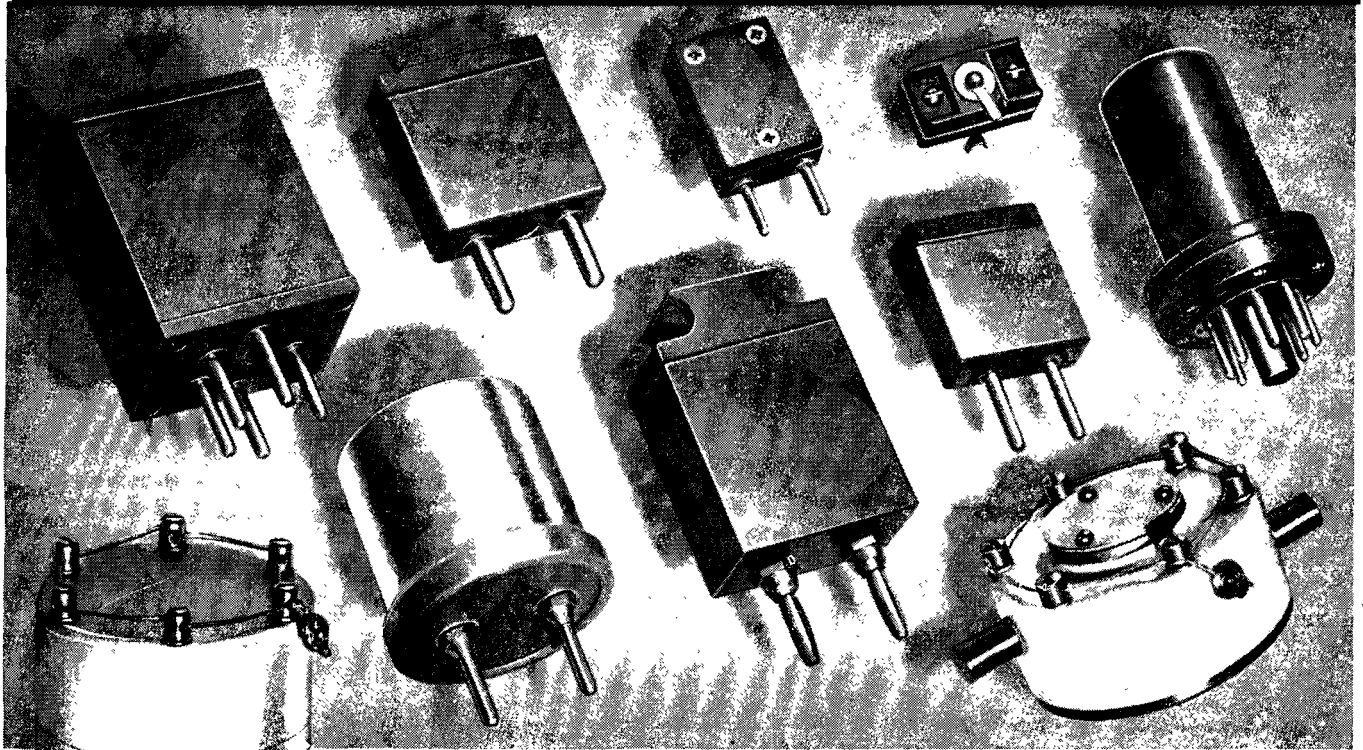
BRAZIL

[Receiving Sets, 898,000. No Set Tax]
(Latest Estimate—1,200,000 Sets)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Aracaju, Sergipe	PRJ6	Radio Aperi de Sergipe (Edificio do Instituto Historico e Geografico)	630	1.0
Aracatuba, Sao Paulo	PRL8	Radio Cultura Aracatuba, S. A.	1330	0.5
Araguari, Minas Geras	PRJ3	S. A. Radio Araguari (Praca Manoel Bonito)	970	0.25
Avaraquara, Sao Paulo	PRD4	Radio Cultura Araraquara (Romulo Lupo)	1370	0.5
Assis, Sao Paulo	ZYA9	Radio Difusora de Assis, S. A.	1530	0.1
Barretos, Sao Paulo	PRJ8	S. A. Radio Barretos	1530	0.1
Bauru	PRG8	Bauru Radio Club, S. A. (B. Radio Club Joao Simonetti)	1210	0.25
Belem, Para	PRC5	Radio Club do Para (Roberto Camelier)	1450	2.0
"	PRC5	Radio Club do Para (Roberto Camelier)	4865	
Bello Horizonte	PRC7	S. A. Sociedade Radio Mineira (Dr. Alberto Deodato)	690	3.0
"	PRH6	Sociedad Radio Guarau (Lauro Souza Barros)	1310	3.0
"	PR13	Radio Inconfidencia (Luis Bessa)	880	25.0
Blumenau, Santa Catarina	PRC4	Radio Club de Blumenau (Joao Medeiros, Jr.)	1330	0.25
Botucatu, Sao Paulo	PRF8	Radio Emissora Botucatu, S. A. (Emilio Pedute)	1530	0.1
Cambara, Parana	ZYA3	Radio Difusora Cambara, S. A.	1590	0.1
Campinas, Sao Paulo	PRC9	Radio Educadora Campinas, S. A. (Antonio Tepedino Pagano)	1170	0.1
Campos. Rio de Janeiro	PRF7	Radio Cultura de Campos (Dr. Mario Ferraz Sampaio)	1330	0.5
Campo Grande, Mato Grosso	PR17	Sociedad Radio Difusora Campo Grande, S. A. (Dr. Antonio Alvez Campos)	1510	0.25

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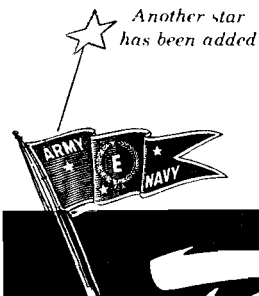
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BRAZIL—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Curitiba, Parana	PRB2	Radio Club Paranaense (Eppaminondas Santos)	1440	5.0
Formiga, Minas Gerais	ZYB6	Radio Voz de Formiga, S. A.	1530	0.1
Fortaleza, Ceara	PRE9	Ceara Radio Club, S. A. (Waldemar Cartolano)	1320 6105 15165	2.0 2.0
Franca, Sao Paulo	PRB5	Radio Club de Hertz	1240	0.25
Goiania, Goiaz	ZYG3	Radio Club de Goiania	930	2.0
Guaratingueta	ZYC2	Soc. Club de Radio Guaratingueta	1510	0.1
Itapetininga, Sao Paulo	PRD9	Radio Difusora Itapetininga Ltda.	970	0.25
Itarare, Sao Paulo	ZYA7	Radio Club de Itarare, S. A.	1550	0.1
Jaboticabal, Sao Paulo	PRG4	Radio Club Jaboticabal, S. A. (Oswaldo Fernandes)	1250	0.25
Jau, Sao Paulo	PRG7	Radio Club Jauense (Ulisses Newton Ferreira)	1010	0.25
Joao Pessoa, Paraiba	PRI4	Governo de Paraiba (Dr. Abelardo Juruema)	1110	10.0
Joinville, Santa Catarina	ZYA5	Radio Difusora de Joinville, S. A.	1600	0.1
Juiz de Fora, Minas Gerais	PRB3	Radio Sociedade de Juiz de Fora (Pedro Goncalves de Oliveira)	1010	0.5
Limeira, Sao Paulo	PRJ5	Radio Educadora de Limeira, S. A. (Ary Levy Pereira)	1550	0.1
Lins, Sao Paulo	ZYB3	Lins Radio Club, S. A.	1550	0.1
Manaos, Amazonas	PRF6	Governo do Estado do Amazonas (Dr. V. Pareto Neto)	4895	0.25
Marapicu, Rio de Janeiro	PRF5	Comp. Radio Internacional do Brazil (Radio Internacional)	9500 9600 15190 10220 14935 14690	12.0 15.0
Marilia, Sao Paulo	PSH PSE PSF PSL PRI2	Radio Club Marilia, S. A. (Oscar de Moraes Barros)	9755 1090	0.5
Natal, Rio Grande do Norte	ZYB5	Radio Ed. de Natal, S. A.	1270	1.0
Niteroi, Rio de Janeiro	PRD8	Radio Club Fluminense (Jose Augusto Mendes Tte. Custodio Fontes)	1320	1.0
"	PRE6	Radio Club Fluminense	1470	1.0
Paranagua, Parana	ZYC5	Radio Difusora de Paranagua	1460	0.25
Patos, Minas Gerais	ZYB4	Radio Club de Patos, S. A.	1530	0.1
Pelotas, Rio Grande do Sul	PRC3	Radio Soc. Pelotense, S. A. (Carlos G. Sica)	580	0.25
"	PRH4	Soc. Difusora Radio Cultura Pelotas (Atakualpa Dias)	1320	0.5
Petropolis, Rio de Janeiro	PRD3	Petropolis Radiodifusora, S. A. (Carlos Rodrigues Viana)	1480	1.0
Piracicaba, Sao Paulo	PRJ4 PRD6	Radio Educadora do Parnaiba, S. A. (Dr. Joao Tavares de Carvalho y Silveira) Radio Club de Piracicaba (Joao Sampaio Goes)	1470 820	0.5 0.25
Pocos de Caldas, Minas Gerais	Radio Cultura	Radio Cultura de Pocos de Caldas (Benedito Meira Borges)	1160	0.25
Ponta Grossa	PRJ2	Radio Club Pontagrossense, S. A. (Manoel Machuca)	1250	0.5
Porto Alegre, Rio Grande do Sul	PRH2	Radio Sociedad Farroupilha, Ltda. (Messrs. Antonio Florese Cunha and Arnaldo Balve)	600	25.0
"	PRF9	Emp. Radio Difusora Portalegrense (Arthur Pizoli)	640	5.0
Porto Alegre, Rio Grande do Sul	PRC2	Radio Soc. Gaucha (Dr. Lelis Espartel)	680	5.0
Pouso Alegre, Minas Gerais	PRJ7	Radio Club de Pouso Alegre, S. A. (Jose Nunes Rebello)	1530	0.1
Presidente Prudente, Sao Paulo	PRI5	A Voz do Sertao, S. A. (Manoel Bussacos)	970	0.25
Recife, Pernambuco	PRA8	Radio Club de Pernambuco, S. A. (Oscar Moreira Pinto)	720 6015	25.0 5.0
Ribeirao Preto, Sao Paulo	PRA7	Radio Club Ribeirao Preto (Jose da Silva Bueno)	730	0.5
"	PRH7	Lonzada Bueno & Cia. (Exp.) (Lonzada Bueno)	1170	
Rio Clara, Sao Paulo	PRF2	Radio Club Rio Clara (Waldemar Cartolano)	1460	0.25
Rio de Janeiro	ZYC7 ZYC8 ZYC9	Radio Educadora de Brazil	6200 9610 15370	25.0
Rio de Janeiro, Distrito Fed.	PRA2	Ministerio de Educacao e Saude	800	25.0
"	PRA3	Radio Club do Brazil, S. A. (Dr. Rolpho Estevam de Siquerira)	860	10.0
"	PRA9	Soc. Radio Mayrink Veiga (Edmar Machado)	1220	25.0
"	PRB7	Soc. Radio Educadora do Brazil, S. A. (Alceu Mario de Sa Freire)	900 6200 9610 15370	5.0 25.0
"	PRC8	Radio Soc. Guanabara (Guilherme Manes)	1360	5.0
"	PRD2	Radio Cruzeiro do Sul, S. A. (Mario Villaca Meyer)	1060	10.0
"	PRD5	Radio Difusora do Distrito Instituto Educacao do Distrito Federal (Francisco Gomes Maciel Pinheiro)	1400	1.0
"	PRE2	Radio Vera Cruz, S. A. (Dr. Placido de Melo)	1430	5.0
"	PRE3	Radio Transmissora Brasileira, S. A. (Dr. Elisio Dantas)	1180	7.5
"	PRE8	Empresa Radio Nacional (Dr. Gilberto de Andrade)	980	25.0

BRAZIL—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Rio de Janeiro, Distrito Fed.	PRL9 PRL8 PRL7 PRH8	Empresa Radio Nacional (Brazilian Govt.—RCA "Good Will" Broadcasting Station)	17850 11720 9505	50.0
"	PRH8	Radio Ipanema, S. A. (Francisco Xavier Filho)	1130	5.0
Rio Grande, Rio Grande do Sul	ZYC3	Grupo de Cultura Rio Grandino	1510	0.1
Rio Preto, Sao Paulo	PRB8	Radio Rio Preto, S. A. (Andrassy Ribeiro)	640	0.25
Santos, Sao Paulo	PRB4	Radio Club de Santos (Hermengilao da Rocha Brito)	1450	1.0
"	PRG5	Soc. Radio Atlantica (Caros Baccarat)	580	0.75
Sao Carlos, Sao Paulo	ZYA6	Radio Sao Carlos, S. A.	1590	0.1
Sao Luiz, Maranhao	PRJ9	Radio Difusora do Governo do Estado do Maranhao (Jose Ribamar Pinheiro)	1490	5.0
S. Manoel, Sao Paulo	PRI6	Radio Club Sao Manoel, S. A. (Vitorino Ribero)	1510	0.1
Sao Paulo, Sao Paulo	PRB9	Radio Soc. Record (Dr. Paulo Machado de Carvalho)	1000	25.0
"	PRE7	Soc. Radio Cosmos, S. A. (Dr. Joao Ferreira Fontes)	1410	5.0
"	PRF3	Radio Difusora Sao Paulo, S. A. (Dr. Ubiratan Silveira Pamplona)	960	5.0
"	PRG2	Radio Tupy, S. A. (Dr. Antonio Herman Dias Menezes)	1040	25.0
"	PRG9	Radio Excelsior (Mons. Dr. Francisco Bastos)	1100	25.0
"	PRH3	Radio Pratinanga (Pedro de Camargo)	620	5.0
"	PRH9	Soc. Bandeirantes, S. A. (Jose Niccolini)	840	5.0
"	PRA5	Radio Sao Paulo (Joao Baptista do Amaral)	1260	5.0
"	PRA6	Soc. Radio Ecuadora Paulista (Arnaldo Popes)	890	5.0
"	PRB6	Radio Cruzeiro do Sul (Oscar P. Seckles)	1200	5.0
"	PRE4	Soc. Radio Cultura, "A Voz do Espaco" (Olavo C. Fontoura)	1300	5.0
"	ZYB7 ZYB8 ZYB9	Radio Dif. de S. P., S. A.	6095 11765 15155	25.0
Sao Salvador, Bahia	PRA4	Radio Soc. da Bahia, S. A. (Dr. Armando Carneiro da Rocha)	740	10.0
Sao Sebastiao de Paraiso, Minas Gerais	ZYA4	Radio Dif. Paraisense, S. A.	1510	0.1
Sorocaba, Sao Paulo	PRD7	Radio Club Sorocaba, S. A. (Orlando da Silva Freitas)	1080	0.5
Taubate, Sao Paulo	ZYA8	Radio Dif. Taubate, Ltda.	1590	0.1
Uba, M. G.	ZYC4	Radio Soc. Ubaense, Ltda.	1510	0.1
Uberara, Minas Gerais	PRE5	Radio Soc. Triangulo Mineiro (Quintiliano Jardim)	1390	0.5
Uberlandia, Minas Gerais	PRC6	Radio Dif. Brasileira, S. A. (Aristides Figueiredo)	1510	0.1
Varginha, Minas Gerais	ZYB2	Radio Club de Varginha, Ltda.	1590	0.1
Victoria, Espirito Santo	PRI9	Radio Club Espirito Santo, S. A. (Dr. Ciro Vieira da Cunha)	1350	1.0

BRITISH GUIANA

[Receiving Sets, 7,000. Set Tax, B.G. \$1]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Georgetown, British Guiana	VP3BG	British Guiana Broadcasting Co., Ltda.	6130	.065

(SURINAM Dutch Guiana)

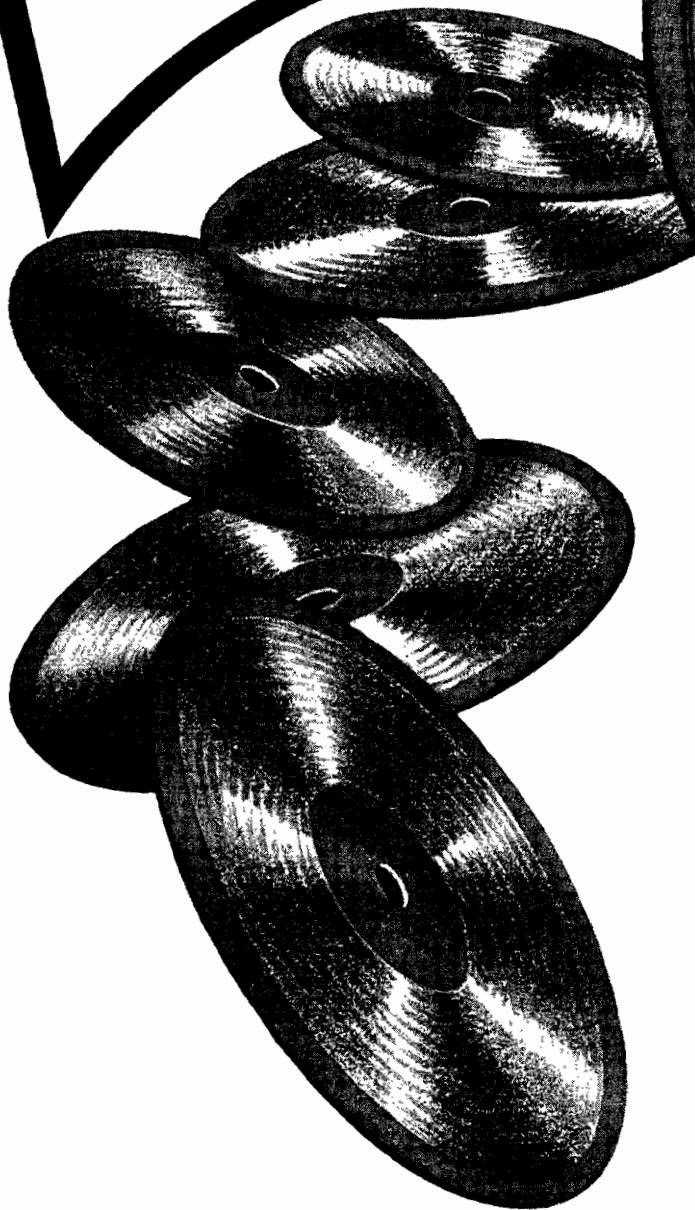
City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Paramaribo	ZPH	"AVROS" (J. E. Herrenberg)	5865	0.15

CHILE

[Receiving Sets, 250,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Antofagasta	CA141	Radio El Loa (Angel Garcia Agra.)	1410	1.4
"	CA127	La Voz del Norte (Horus Pedreny Palma)	1270	0.25
"	CE601 CE482	"	6010 4820	5.0
"	CA124	Radio Libertad (Antonio Casiao Gonzalez)	1240	1.0
Chillan	CC138	Radio La Discusion (Adriana Paguey de Logos)	1330	0.15
"	CC127	Radio Nubie (Rafael Barrios Carcamo)	1270	0.1
Concepcion	CC141	Radio Condo (Co. Chilena de Comm., S. A.) (Arturo Sandoval Munita)	1410	1.4
"	CC117	Radio Simon Bolivar (Federico Sanchez Urra)	1170	1.8
"	CC64	Radio El Sur (Mario Sosa Lopez)	640	1.0

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CHILE—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Curico (Talca)	CC96	Radio Condell (Alberto Guerra Cruzat)	960	0.25
Iquique	CA63	Radio Esmeralda (Antonio Cajiao Gonzalez)	630	0.25
Los Angeles	CD121	Sociedad de Broadcasting, Soc. Nacional de Agricultura y Cia., Ltda.	1210	1.2
Osorno (Valdivia)	CD84	Soc. Agricola y Ganadera (David Arrigaga—Soc. Broadcasting, Soc. Agricola y Ganadera)	840	1.5
Puerto Montt	CD101	Radio Llanquihue (Cia. Chilena de Comunicaciones, S. A.)	1010	1.0
Punta Arenas	CD103	Radio Magallanes (Ramon Verde Ramos)	1030	0.1
"	CD111	Radio Austral (Turina y Cia.)	1110	1.25
"	CD113	Radio Polar (Jorge Vial A.)	1130	1.0
"	CD136	La Voz del Sur (Sra. Victoria Iglesias de Biancilla)	1360	0.5
Quilota	CB113	Radio Chacabuco (Leopolda Giraudo Giordano)	1130	1.0
Rancagua	CC63	Radio Central (Manuel Massoni)	630	1.0
"	CC109	Radio Rancagua (Jorge Romero Ramirez)	1090	1.2
"	CC145	Radio Tucapel (Alan Rojas Aravena)	1450	0.1
S. Antonio, Puerto Viejo	CB140	Onda Azul (Soc. Radiodifusora Onda Azul Ltda.)	1400	0.1
Santiago de Chile	CB62	Radio Chilena (International Machinery Co.)	620	1.0
"	CE57	Radio Agricultura	570	15.0
"	CE1180	(Soc. Nacional de Agricultura y Cia. Ltda.)	11800	1.0
"	CE8AA		2870	0.5
"			5750	
"	CB76	Cooperativa Vitalicia (Cia. Chilena de Comunicaciones S. A.)	760	14.0
"	CB89	"Radio Bulnes" (Carlos Bricono Olivares)	890	1.0
"	CB97	Radio "Prat" (Soc. Chilena de Radio y Propaganda)	970	1.0
"	CB101	Radio Yungay (Corporacion Chilena de Radiodifusion Ltda.)	1010	1.2
La Cisterna, Santiago de Chile	CB150	Radio Sud America (Manuel Casablanca Latorre)	1500	1.0
Santiago de Chile	CB106	Radio Soc. Nac. de Minería (Soc. Chilena, Radiodifusora, S. A.)	1060	1.0
"	CE960	Radio La Americana	9600	1.2
"	CB130	(Horacio Hevia Labbe)	1300	2.5
"	CB134	Radio Cervantes (German Holtheuer Valdivia)	1340	3.0
"	CB138	Radio El Mercurio (Luis P. Brain, Soc. Periodista El Mercurio)	1380	1.0
"	CB70	Radio Santa Lucia (Soc. Silva Blanco y Cia. Ltda.)	700	2.5
"	CB144B	Radio O'Higgins (Clark Hnos. Spitz y Cia. Ltda.)	1440	1.0
Ovalle, Santiago de Chile	CB144C	Radio Morgan (Oscar Moraga Fuenzalida)	1440	0.1
Santiago de Chile	CB1170	Otto Becker Ltda.	11700	0.3
"	CB93	Radio Maipo	930	1.0
"	CE1174	(Soc. Orlandini y Raggio Ltda.)	11740	4.0
"	CB82	Radio del Pacifico (Ricardo Vivado O.)	820	1.0
"	CB66	Radio Chilena (Cia. Radio Chilena)	660	12.0
"	CE960	Radio La Americana (Horacio Hevia)	9600	1.2
"	CB114	Corp. de Radio, S. A.	1140	50.0
La Serena	CA108	Eduardo Encina Arancibia	1080	1.0
"	CE615	Cooperativa Vitalicia	6150	5.0
"	CE1190	(Co. Chilena de Comm., S. A.)	11900	
Talca	CC73	Radio Lautaro (Ramon Abasolo Aldea)	730	0.5
Talcahuano	CC84	Radio Almirante Latorre (Francisco Morales Castillo)	840	1.0
Temuco, Cautin	CD125	Radio Cautin (Cia. Chilena de Comunicaciones, S. A.)	1250	1.5
"	CD69	Radio La Frontera (Daniel de Mayo Levy)	690	1.2
Tocapilla	CA90	Radio Covadonga (Hilda Cuellar Alfaro de Yaeeta)	900	1.0
Valdivia	CD59	Soc. Radio Emisoras Sur de Chile (Cia. Chilena de Comunicaciones, S. A.)	590	1.2
"	CD132	Radio Baquedano (Carlos Cockbaine, R.)	1320	1.0
Via del Mar	CB64	La Union de Recreo (Adriano Iz. y Reyes)	640	1.6
"	CB68	Radio Metro (Renard y Garcia Tello Ltda.)	680	1.0
"	CB111	Camilo Henrike (Joaquin Venegas, Venegas Universidad Federico)	1110	1.0
"	CB118	Cristobal Colon (Adriano Iz. y Reyes)	1180	2.0
Valparaiso	CB147	"Radio Estacion Fundacion Santa Maria" (Fundacion Santa Maria)	1470	0.25
"	CE970	Radio Cooperativa Vitalicia	9700	5.0
"	CB103	(Cia. Chilena de Comunicaciones, S. A.)	1030	10.0

CHILE—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Valparaiso	CB116	Radio Caupolican (Patricio Edwards Linares)	1160	1.0
"	CB120	Presidente Prieto (Angel I. Prieto Andreas)	1200	1.0
"	CB124	Radio de Valdivia (Ramon y Fernando Garcia y Cia.)	1240	0.25
"	CB132	Radio Cochran (Wallace y Cia.)	1320	1.2

COLOMBIA

[Receiving Sets, 175,000. No Set Tax]

(Latest Estimate—200,000 Sets)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Aguadas, Caldas	HJFJ	Voz de Aguadas (Roberto Florez)	1500	0.025
Armenia, Caldas	HJFI	Pregones del Quindio (Pregones del Quindio Ltda.)	1540	1.5
"	HJFH	La Voz de Armenia	4875	0.75
"	HJFM	(Braulio Botero Londono)	1210	1.0
"	HJFG	La Voz del Comercio (Alfonso Toro V.)	1245	0.5
Barranquilla	HJAA	Alhucema Carbonell (Alfonso Rosales Navarro)	1330	0.5
"	HJAG	Emisora Atlantico	4905	1.0
"	HJAH	(Emisora Atlantico, S. A.)	1050	1.0
"	HJAI	La Voz del Litoral (Julian Melendez)	1370	0.25
"	HJAK	Voz de la Patria (Vassallo Hijos y Mendez)	1310	0.5
"	HJAN	La Voz de Barranquilla (Eilecer Velasco)	1190	1.0
"	HJAB	La Voz de la Victor	4785	2.5
"	HJAT	Radio Barranquilla (Delfina V. de Haayen)	1275	1.0
"	HJAS	Emisora Variedades (Miguel A. Ruiz)	1500	0.6
"	HJAJ	Voz. del Comercio (Julio Balderrama)	1220	0.5
Bogota	HJCB	Emisora Nueva Granada	1105	1.0
"	HJCD	(Colombia Broadcasting, S. A.)	6160	10.0
"	HJCC	La Voz de Bogota	870	5.0
"	HJCE	(Gustavo Uribe Th.)	1220	1.0
"	HJCF		6073	0.75
"	HJCG	Radio Santa Fe (Luis E. Bernal)	1060	1.0
"	HJCJ	Radio Mundial (Manuel J. Gaitan)	1380	0.2
"	HJCK	Ecos del Tequendama (Jorge Anez)	1290	0.5
"	HJCM	Nueva Granada (Roberto Ramirez)	970	0.5
"	HJCN	Ondas de los Andes (Roberto Laignelet)	1335	0.5
"	HJCO	Emisora Sur America	1160	1.0
"	HJCW	(Jesus M. Garcia)	4945	0.75
"	HJCC	Ministry Nat'l Economy (Ministerio de Economia Nacional) (Cul.)	4965	0.5
"	HJCR	Radio Difusora Nacional	1200	5.0
"	HJCT	(Ministerio de Educacion, Colombian Government)	6260	2.5
"	HJCY	Estacion del Senado (Cristobal Paez G. y Cia. Ltda.)	1460	0.35
"	HJCU	Radio Cristal	720	5.0
"	HJCA	(Cristobal Paez G. y Cia. Ltda.)	4855	1.0
"	HJCX	La Voz de Colombia	6018	0.75
"	HJ CZ	(Ciripriano Rios Hoyos)	1040	2.5
"	HJCS	Radio Continental (Jose Vincente Arias)	920	50.0
"	HJCH	La Voz de la Victor	810	2.0
"	HJCH	(Manuel J. Gaitan)	810	0.35
"	HJCI		4895	1.0
Bucaramanga	HJGE	Radio Bucaramanga (Gustavo Sorzano Jimenez)	1130	1.0
"	HJGB	Radio Santander	4775	2.5
"	HJGK	(Francisco A. Bueno)	1280	0.5
"	HJGN	Ondas Bumanguesas (Francisco A. Bueno)	1360	1.0
Buenaventura	HJES	Heriberto Quintero	1525	0.07
"	HJEW	La Voz del Puerto (Jorge E. Berrio)	1355	0.25
Buga	HJEI	Hernando Bueno	1410	0.1
"	HJEJ	Sociedad Voces de Occidente (Jorge Ortiz Marquez)	1485	0.5
Calí	HJEB	Voz del Valle	1150	1.0
"	HJED	(Eduardo Cordoba)	4825	1.0
"	HJEC	Radio Libertador (Rafael Angulo)	1.00	0.5
"	HJEE	Radio Cali (Jose T. Calderon N.)	1070	0.5
"	HJEF	La Voz de Higueronia (Hernando Bueno)	1340	0.5
"	HJEL	Radio Sport	1260	0.5
"	HJER	Radio Pacifico	1395	0.5
"	(HJEX	(Cesar Mendoza Mazuera)	4865	2.5
"	HJEN	Radio Cultura (Alfonso Mesa)	1370	0.5

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COLUMBIA—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Cartagena	HJAE	La Voz de los Laborat Fuentres (Laboratorios Fuentes, S. A.)	4965	0.6
"	HJAF	El Progreso Cartagenero	1240	0.36
"	HJAP	Radio Cartagena	4925	0.75
"	HJAR	(Lequerica Hermanos)	1400	0.3
Cartago, Valle del Cauca	HJEO	Aires del Palatino (Daniel Dosman)	1230	0.5
Ciénaga, Magdalena	HJBE	Ondas del Magdalena (Elvira de Pereira)	1460	0.25
Cucuta, Norte de Santander	HJBB	La Voz de Cucuta	4815	1.5
"	HJBC	(Pompilio Sanchez)	1270	1.0
Girardot, Cundinamarca	HJCL	Radio Girardot (Carlos J. Sanchez G.)	1460	0.5
"	HJCV	Antonio Useche R.	1430	0.1
Ibague	HJFC	Vicente Gaitan Rondon	1500	0.1
"	HJFL	Ondas de Ibague (Luis E. Martinez)	1440	0.25
"	HJFP	Cultural (Mario Cadavid)	1550	0.075
Lihano, Tolima	HJFO	Hector Enrique Giraldo	1520	0.05
Magangué, Bolívar	HJAC	Manuel Agustín Varela	1420	0.1
Manizales	HJFB	Cia. Radio Manizales	6105	1.0
"	HJFD	(Francisco Jaramillo Alberto Hoyos A.)	1390	1.0
"	HJFX	Emisora Electra	600	1.0
Medellin	HJDA	Emisora Siglo XX (Humberto Restrepo A.)	1285	0.5
"	HJDC	Ecos de la Montana	1360	0.6
"	HJDX	(Francisco Cuartas)	4795	0.6
"	HJDE	Voz de Antioquia	6145	10.0
"	HJDK	(Luis Ramos)	1250	0.75
"	HJDL	Bolívar Broadcasting (Jaime Tobón R.)	1480	0.5
"	HJDM	Radio Córdoba	1520	1.0
"	HJDO	Emisora Claridad	1320	0.75
"	HJDP	(Fernando Restrepo Alvarez)	4885	2.5
"	HJDR	Voz del Triunfo (Ramirez y Cia. Ltda.)	1380	0.3
"	HJDT	Radio Nutibara Ltda. (Alfonso Jaramillo)	1150	0.25
"	HJDU	Cultural (Universidad de Antioquia)	1490	0.25
Montería	HJAL	Emisora Arsenipur (Julio Cesar Patino)	1465	0.5
"	HJAM	Ondas del Sino (Julio A. Sanchez)	1210	0.251
Neiva	HJFN	Heliodora Tamayo	1420	0.1
Ocana	HJBF	Voz de Ocana (Luis Linero)	1525	0.1
Palmira, Valle	HJEJ	Radio Armonías del Palmar (Rafael Angulo)	1460	0.5
"	HJEQ	Ondas de Palmira (Regulo Benitez)	1180	0.5
Pamplona, Norte de Santander	HJBA	Gonzalo Vargas	1400	0.1
Pasto	HJHA	Radio Narino (Sociedad Radio Narino)	1350	0.35
"	HJHB	Ecos de Pasto (Hernando Bueno)	1170	0.5
Pereira	HJFA	La Voz de Pereira (Cesar & Mario Arango M.)	6054.3	0.75
"	HJFE	Radio Quirama	1470	0.499
"	HJFK	La Voz Amiga (Antonio J. Giraldo C y Hijo)	6097	2.5
"	HJFF	Ondas del Utun (Antonio J. Giraldo C. y Hijo)	1350	1.0
"	HJFQ	La Voz del Pueblo (Marceliano Ossa M.)	1120	0.5
Popayan	HJEA	Radio Colonial (Jesus Hernandez Hormaza B.)	1500	0.8
"	HJEG	Voz Belalcazer (Mercedes M. de Valencia)	1450	0.3
Quibdo	HJDG	Intendencia del Choco Cultural	4805	0.5
Santa Marta	HJBH	Radio Magdalena (Manuel C. Conde)	1410	0.5
"	HJBJ	Radio Santa Marta (Julio A. Sanchez)	1140	0.5
Santander, Cauca	HJEH	Radio Cultural (Escuela Rafael Tello)	1550	0.025
Sevilla, Valle	HJET	Radio Sevilla (Daniel Benitez)	1510	0.25
Tacaima, Cundinamarca	HJCP	La Voz del Santuario de San Jacinto (Ruperto Aguilera Leon)	1530	0.25
Tulua, Valle de Cauca	HJEK	Radio Tulua (Eduardo Gardeazabal)	1430	0.1
Tunja, Boyaca	HJGA	Radio Boyaca (Pedro Martinez)	1425	0.25

ECUADOR

[Receiving Sets, 20,000. Set Tax, 10 Suces]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Ambato	HCIVT	Voz de Tungurahua (I Municipio de Ambato)	6550	0.1
Babahoyo	HC1CH			0.2
Cuenca	HC1AO	La Voz de Tomebamba	4200	0.18

ECUADOR—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Guayaquil	HC2CM	"Iman"	7220	0.2
"	HC2BA	"La Voz del Guayas"	1500	0.2
"	HC2BC	"Radio Portena"	1100	0.2
"	HC2CW	Ondas del Pacifico (Alfonso Vilmos)	950	0.025
"	HC2OAD	La Voz del Alma (Odalia Aruz de Garcia)	9400 900	0.2 0.2
"	HC2AJ	Cia. Radiodifusora del Ecuador	1050	1.0
"	HC2AK	(Luis Aleivar Elizalde)		
"	HC2JSB	Radiodifusora de Ecuador (Rafael Cuellos)	1260 7854	0.2 0.3
"	HC2RB	La Voz del Litoral (Eric Williams)	1250	0.1
"	HC2ET	Diario del Telegrafo (Jose Santiago Castillo)	9200 1131	0.3 0.1
"	HC2AU	Radio Atalaya (Augusto Alvarado Olea)	1350	0.2
"	HC2RL	Quinta Piedad (Roberto Levy)	6645	0.2
"	HC2AN	Radio Zenit (Washington Delgado Cepeda)	1300	0.2
"	HC2AQ	Radio Ortiz (Rigoberto Ortiz Vermeo)	1450	0.25
Ibarra	HC1IM	La Voz de Imbabura (I. Municipio de Ibarra)	4020	0.3
Loja	HC3SC	"Coro de Santa Cecilia" (F. Montero Carrison)	6700	0.3
Portoviejo	HCJB4	La Voz de Manabi (Clarence W. Jones)	3645	0.05
"	HC4FA		7244	0.2
Quito	HCJB	La Voz de Los Andes (Clarence W. Jones, Dir. Owner- World Missionary Radio Fellow- ship, Inc.)	12455 9978 7285 4107 974 25040 7068 14200 27850	10.0 0.2 1.0 0.2 1.0 1.0 0.025
"	HC1PM	El Palomar (Leonardo Ponce)	5795	0.15
"	HCOR	Radio Quito "La Voz de la Capital"	1330	0.3
"	HCQIRX	(Carlos Mantilla)	5970 3710	0.3
"	HC1GQ	Nariz del Diablo (Ferrocarril del Sur)	9163 3710	0.15 0.08
"	HC1BS	"Voz de la Victoria"	1304	0.25
"	HC1BT	(Sr. Cesar Mantilla)	9350	0.25
"	HCK	Radio Nacional	5885	0.3
"	HC1CG	Radio Oriente Ecuatoriano (Miguel Angel Gonzales Paez)	7874.6	0.2
"	HC1RF	Radio Commercial	7265	0.3
"	HC1BD	(Adriano Jaramillo)	1111	0.2
"	HC1AB	Luz de America	1280	0.2
"	HC1AC	(Spanish Falangist (Mgr.) Enrique Arroyo)	1600	
"	HC1AD	Radio Juventud (Cia. Interandina de Broadcasting)	1410	0.25
"	HC1CT	Escuela Central Tecnica	3700	0.2
Riobamba	PRADO	El Prado	6618	0.5

PARAGUAY

[Receiving Sets, 14,500. No Set Tax]

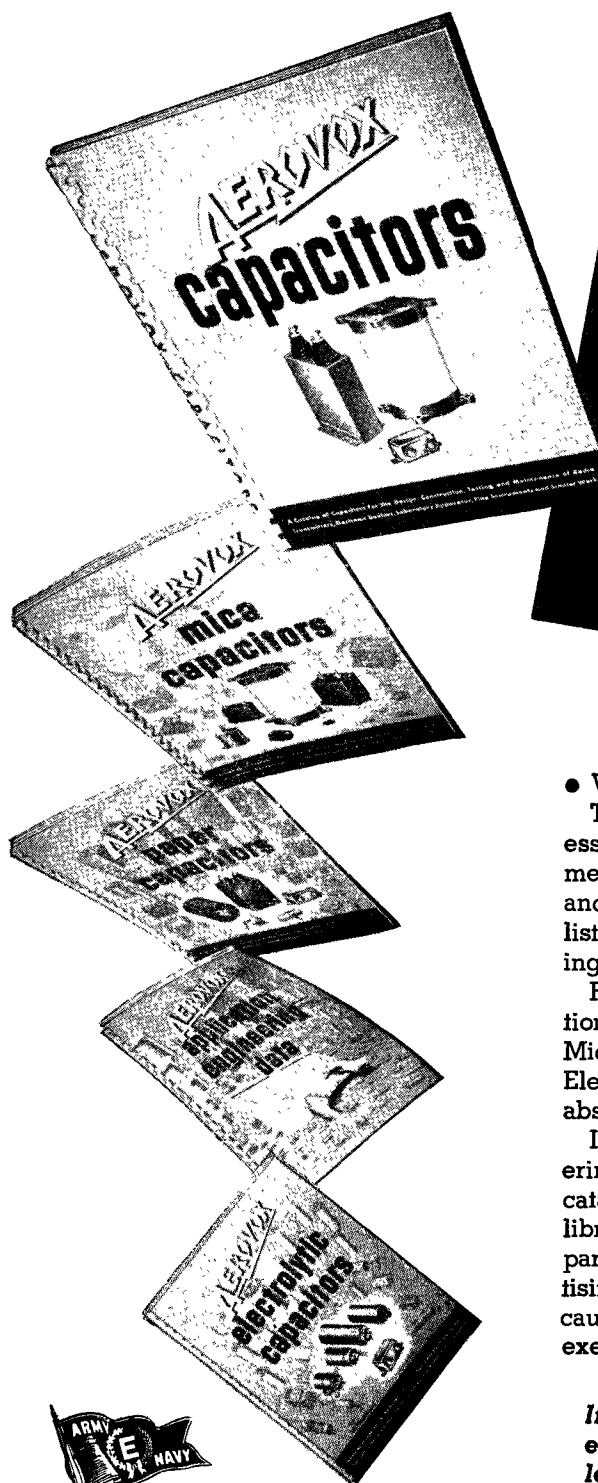
City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
(Latest Estimate—15,000 Sets)				
Asuncion	ZPA1	Radio Nacional	6300	3.0
"	ZP1		1360	0.5
"	ZP4	Radio Continental	730	0.1
"	ZP8	(Isern y Scarello)	11850	0.1
"	ZP6	Radio Livieres (Emilio Jordan Livieres)	1300	0.1
"	ZP9	Radio La Capital (Atilio Bajac)	970	0.8
"	ZP10	Radio Guarani (Dr. Franco y H.)	1330	0.1
"	ZP11	Radio Charitas (Pho. Luis Lavorel)	1200	0.5
"	ZP13	Julio Picossi Villagra	1430	0.1
"	ZP17	Radio Electra (Jose Hanemann)	1030	0.1
"	ZPA3	Radio Teleco	11877	1.2
"	ZP3	(Teleco Paraguaya, S. A.)	700	10.0
Encarnacion	ZP5	Radio Encarnacion	920	5.0
"	ZPA5	(Phillips Argentina, S. A.)	11950	2.5
Villarica, Guaira	ZP14	Friedmann Hermanos	11721 11725 700	1.0 0.2
"	ZP6	Radio Livieres (Emilio Jordan Livieres)	1300	0.1

PERU

[Receiving Sets, 83,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
(Latest Estimate—100,000 Sets)				
Arequipa	OAX6B	Radio Landa	6035	0.15
"		(Maximo J. Landa)		

Here's an ESSENTIAL TOOL for Radio-Electronic Engineers, Designers, Equipment Builders, Manufacturers...



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CAPACITOR
CATALOG**

Contains Application Engineering Data and Separate Sections on MICA, PAPER, and ELECTROLYTIC CAPACITORS

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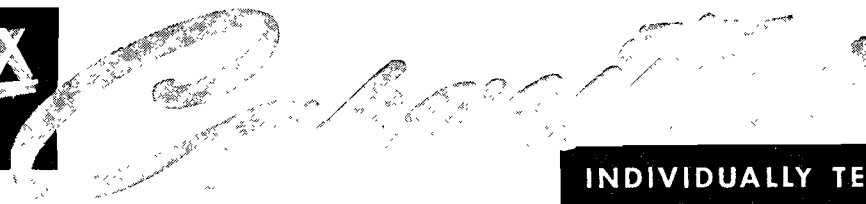
This new AeroVox Catalog contains that information which is essential to those who design and build radio-electronic equipment. Here is general and specific engineering data on capacitors and their applications; detailed specifications on various types; listings of recommended types and ratings; special notes covering special features and special types; color codes; etc.

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INDIVIDUALLY TESTED

PERU—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Callao	OAX4C	Radio Callao (Sociedad Comercial Urteaga y Couralegui)	1160	0.3
Chiclayo	OAX1A	Radio Delcar (J. Carlos Montjoy)	6150	0.2
Cuzco	OAX7A	Radio Cuzco (Carlos Lizarraga)	6128	0.1
Huancayo	OAX4P	Radio Huancayo (Alfredo Elejalde Granados)	6020	0.25
Huanuco	OAX3A	Radio Huanuco (Victor Priano)	6115	0.35
Ica	OAX5B OAX5C	Radio Universal (Luis de los Heros)	1460 9590	0.20 0.15
Lima	OAX4H OAX4F OAX4B OAX4G OAX4Z OAX4A OAX4T OAX4R	Radio Mundial (Ronald y Cia.) Radio Lima (Bolivar y Careovich) Radio Nacional (Gobierno del Peru)	6095 1080 1200 6190 6082 854 9562 15150	1.0 0.25 0.25 0.25 15.0 10.0 10.0 15.0
	OAX4E OAX4K OAX4I OAX4J OAX4L	Radio Central (Juan Pablo Goicochea) Radio Internacional, S. A. (Antonio Vasquez) Radio Miraflores (Clemeaita Palma)	960 9545 1320 9520 1250	0.2 0.25 0.25 0.2 0.3
	OAX4V OAX4W OAX4U	Radio America (Cia. Peruana de Radiodifusion, S. A.)	5990 9490 1030	1.5 1.5 5.0
Trujillo	OAX2A	Radio Rancho Grande (Rafael Larco Herrera)	6000	0.25

URUGUAY

[Receiving Sets, 125,000. No Set Tax]

(Latest Estimate—200,000 Sets)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Canclones	CW57	Radio Montevideo (Julio J. Rabassa)	1470	0.3
Carmelo, Colonia	CW7	Radio Carmelo (Alberto Pablo Brouard)	640	0.25
Colonia, Colonia	CW1	Radio Popular (Raul Montellano and Ricardo Bernotti)	550	4.5
"	CXA8 CXA14	Radio Real de San Carlos (Jaime Yankelevich)	11840 6055	3.0 1.0
Durazno	CW25	Radio Durazno (Artola, Evangelisti y Cia.)	1430	0.5
Canelones	CW3	Radio Rural del Uruguay (Diario Rural, S. A.)	580	0.3
"	CW33	Radio Difusora Florida (Omar F. Barreiro)	1200	0.075
Maldonado	CW51	Radio Maldonado (Hector Lamaison)	1560	0.5
Melo, Cerro Largo	CW47B	Jose Fernandez Eiriz	1510	0.1
"	CW53	Ruben D. Lucas	1580	0.25
Minas	CW43	Radio Lavalleja (Juan R. Volante)	1420	0.5
Montevideo	CX34	Radio Artigas (A. Canepa y Cia.)	1210	0.5
"	CX26	Radio Uruguay (A. Canepa y Cia.)	1050	2.0
"	CX50	Radio Nativa (Bernardino Ayala)	1630	0.3
"	CX20	Radio Montecarlo (Dr. Carlos L. Romay)	930	0.3
"	CX32	Radio Aguila (Compania Uruguaya de Publicidad, S. A.)	1170	0.52
"	CX18	Radio Libertad (Difusoras El Espectador Limitada)	890	5.0
"	CX4	Seccion Informacion y Ensenanza de the Direccion de Agronomia)	610	5.0
"	CX46	Radio America (Guzman Bertacchi)	1450	1.5
"	CX22	Radio Universal (Harispu Hermanos)	970	1.5
"	CX42	Tribuna Sonora (Hector Vernazza)	1370	0.5
"	CX44	Radio Monumental (Julio J. Rabassa)	1410	0.25
"	CX40 CXA21	Radio Fenix (Julio J. Rabassa)	1330 6170	0.5 1.0
"	CX12	Radio Oriental (Luis A. Artola)	770	5.0
"	CX24	Radio La Voz del Aire (Dif. Radio Electrica del Plata, S. A.)	1010	5.0
"	CX8	Radio Jackson (Ramon Puyal y Gazanto)	690	0.5
"	CX16	Radio Carve (Dif. Radio Electrica del Plata, S. A.)	850	50.0
"	CX36	Centenario Broadcasting (Vasquez y Walder)	1250	0.25
"	CX48	Radio Feminina (Vasquez y Cia.)	1490	1.5
"	CX28	Radio Imparcial (Walfredo Figueira Moran)	1090	3.0
"	CXA1 (Portable)	Estacion Oficial (Servicio Oficial Difusion Radio-electrica—Uruguayan Gov't.)	6200	0.05
"	CXA11 (Projected)	Estacion Oficial (Servicio Oficial Difusion Radio-electrica—Uruguayan Gov't.)	27000	2.5
"	CXA4	Estacion Oficial (Servicio Oficial Difusion Radio-electrica—Uruguayan Gov't.)	6125	5.0
"	CX6	Estacion Oficial (Servicio Oficial Difusion Radio-electrica—Uruguayan Gov't.)	650	25.0

URUGUAY—(Continued)

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Montevideo	CXA18		15300	2.5
"	CX38 CXA22 CXA23 CXA24	Estacion Oficial (Projected) (Servicio Oficial Difusion Radio-electrica—Uruguayan Gov't.)	1290 29500 43600 58000	5.0 2.5
"	CX30 CXA30	Radio Nacional (Silva y Larrea)	1130 6035	1.0 1.0
"	CX10 CXA3	Radio Ariel (Sr. Luis Batlle Berres)	730 6075	1.0 1.0
"	CXA19 CX14 (Portable)	Difusoras El Espectador Ltda.	11705 810 10000	4.0 15.0 0.02
"	CXA14	Difusoras El Espectador Ltda.	7330 10000	0.05 0.02
"	CW47 CXA9	Julio J. Rabassa Difusoras El Espectador, Ltda.	1470 15345	0.4 4.0
Paysandu	CW35	Paysandu Broadcasting (Alfonso M. Ordoqui)	1240	0.25
"	CW39	La Voz de Paysandu (Miguel Penna)	1320	0.1
Rivera	CW19A	Radio Charrua (Jorge Downton Garcia)	1340	0.06
"	CW43B	Radio Internacional (Walfredo Figueira Moran)	1480	0.75
Rocha	CW19	Radio Difusora Rochense (Abel Machado)	1340	0.05
Salto	CW23	Radio Cultural (Domingo Giordano)	820	0.25
"	CW27	Radio Tabare (Sr. Luis Batlle Berres)	660	0.25
"	CW31	Salto Broadcasting (Salvador E. Pera)	1120	0.25
San Jose	CW47A	Radio Welcome (Fasola Rios y Tiboni)	1510	0.1
"	CW41	Broadcasting San Jose (Pedro Bruccoleri)	1360	0.05
Soriano	CX52	Radio Litoral de Soriano (Anibal Frabasil, Juan Orlando Kelly, Jose Pedro Irigaray, Florencio Donato, Montero)	1570	0.05
"	CW46B	Liceo de Dolores (Roberto Taruselli)	1460	0.05
Tacuarembó	CW46A	Difusora Zorrilla de San Martin (Luis S. Dini)	1400	2.0
Treinta y Tres	CW45	Radio Trienta y Tres (Marroche y Lacurcia)	1390	0.25

VENEZUELA

[Receiving Sets, 100,000. No Set Tax]

City	Call Letters	Station and Operator	Frequency in Kilocycles	Power in Kilowatts
Alcarigua	YV3RF	La Voz del Llano (Pausides Sigala)	3490	0.104
Barcelona	YV6RC YV6RE	Emisoras Unidas (L. J. Arreaza A.)	3450 1080	1.5 0.193
Barquisimeto	YV3RE YV3RN YV3RS	Radio Barquisimeto (Almizar Segura) Radiodifusora Occidental	1475 4990 3490	0.775 0.3 0.6
Caracas	YV3RO YV5RA YV5RN	(Sr. Rafael Angel Segura) Radio Caracas C. A. Almacen Americano	1270 960 4920	0.65 8.45 5.0
"	YV5RB YV5RM YV5RH	Radio Venezuela (Degwitz & Sibilitz) La Voz de la Patria (Mons. J. M. Pellin)	790 4890 710 720	5.0 5.0 1.0 0.97
Caracas	YV5RX YV5RG YV5RU	Ondas Populares (Gonzalo Veloz Mancera Cia., S. A.)	3500 1010 4860	1.5 0.96 0.5
"	YV-KC YV5RI YV5RY	Gobierno Nacional Radio Continente (O. Vicentelli)	6765 590 3380	2.5 1.133 1.96
"	YV5RL YV5RW YV5RQ YV5RS	Radio Tropical (Ponce & Benzo) Radio Libertador	1160 3400 882 3360	0.75 1.15 1.182 2.1
Bolivar	YV6RA YV6RU	Ecos del Orinoco (E. Torres Valencia)	1400 4790	0.68 0.96
Coro	YV1RY YV1RW	Radio Coro (Roger Leyba)	1370 4770	0.3 0.193
La Guaira, Vargas	YV5RZ YV5RV	Emisora Vargas (Carlos L. Perez)	1050 4760	0.5 1.05
Maracaibo	YV1RC YV1RT YV1RD	La Voz de la Fe (Pedro Bermudez) Radio Mara	1400 3370 1150	1.52 1.0 0.2
"	YV1RU YV1RF YV1RX	(L. G. Govea & Nouel) Ondas del Lago (N. Vale Quintero)	3440 1120 4800	1.0 0.55 2.0
"	YV1RK YV1RL YV1RV	Radio Popular (J. R. Higuera) Ecos del Zulia	1250 4800 4750	0.437 0.3 0.3
Maracay	YV1RA YV4RK YV4RL YV2RC	(Luis Garcia Nebot) Radio Maracay (Atilio Ormezzano) La Voz de la Sierra	1300 3390 1430 3420	0.09 0.465 0.25 0.32
Puerto Cabello	YV4RQ	Radio Pto. Cabello (Rafael Segura)	3480	0.885
San Cristobal	YV2RB YV2RN YV1RO	La Voz del Tachira (J. M. Diaz Gonzalez) Radio Trujillo	980 4830 3310	0.325 0.2 0.625
Trujillo	YV1RC YV4RA YV4RO YV4RE YV4RP YV1RZ	(Pedro J. Torres) La Voz de Carabobo (Guillermo Degwitz) Radio Valencia (Miguel Ache) Radio Valera (Pedro Flores J.)	3310 1350 4780 1400 3460 4840	2.0 0.83 0.3 1.138 1.0 0.3

Radio Reference Books and Publications

Editor's Note: Due to space limitations, the cumulative bibliography published in previous *Yearbooks* is suspended. This listing is designed to cover only the periodicals in radio and the advertising fields, selected works on radio advertising and listener data. The bibliography was prepared specially for BROADCASTING by Frances Sprague, general librarian of NBC, and is necessarily abridged to include only a representative selection.

LISTENER AND MARKET DATA

CHILDREN'S RADIO PROGRAM PREFERENCES. BLUE Network Co. 1943. Short summary of a survey on listening hours and preferred program types based on information from more than 3,000 children of school age in Eastern, Mid-Western and Southern sections of the U. S.

FACTS ABOUT SUMMER BROADCAST ADVERTISING. NBC. 1940. Brief study of why summer radio advertising is worth while.

THE IMPACT OF WAR ON AMERICAN FAMILIES, MEASURED ONE YEAR AFTER PEARL HARBOR. Survey conducted by Crossley, Inc., for Life Magazine. April 1943. Radio ownership and operation by economic levels, city size, geographic regions, for all families, armed force and non-armed force families, war worker and non-war worker families. Statistics on car ownership, occupations, incomes, etc.

INVASION FROM MARS. By Hadley Cantrell. Princeton U. Press. 1940. A study of the psychology of listener reactions following the above broadcast.

JOINT COMMITTEE STUDY OF RURAL RADIO OWNERSHIP AND USE IN THE U. S. Sections 1-4. Pub. by NBC and CBS. Feb. 1939. Comprehensive survey.

THE KANSAS RADIO AUDIENCE OF 1944. By F. L. Whan. Topeka, Kansas. WIBW. 1944. Brings former studies up-to-date, and includes new interesting preferences brought out by questions on present-day problems.

THE 1944 IOWA RADIO AUDIENCE SURVEY. By F. L. Whan. Des Moines, Iowa. Central Broadcasting Co. 1944. The 7th annual study of their radio listening habits.

THE OKLAHOMA RADIO AUDIENCE OF 1944. By F. L. Whan. WKY, Oklahoma City. 1944. Over 6000 families were interviewed in the preparation of this study of listening hours and habits, program and station preferences.

THE POST-WAR PLANS OF KANSAS FAMILIES (1944). By F. L. Whan. Topeka, Kansas. WIBW. 1944. Advance report of the Kansas Radio audience survey, containing data on preferences for future radio sets; occupational plans; savings, etc.

RADIO AUDIENCE MEASUREMENT. By W. N. Chappell and C. E. Hooper. Stephen Jaye, N. Y. 1944. This volume gives a detailed analysis of all the various means of radio listener measurement, from the earliest methods to recent coincidental and recall forms. Charts and tables are included.

RADIO MARKET DATA HANDBOOK. NAB Research Dept. Nat. Assn. of Broadcasters. 1943. A 260-page manual of market data of value to radio stations and users of broadcast time.

RADIO RESEARCH. 1941. Ed. by P. F. Jazarsfeld and F. N. Stanton. Duell, Sloan & Pearce. 1941. Six studies dealing with programs, listeners, and their relationship, prepared under the auspices of Columbia University's Office of Radio Research.

RADIO RESEARCH, 1942-43. Ed. by P. F. Jazarsfeld and Frank Stanton. Duell, Sloan & Pearce. 1944. Daytime serials, radio stener research in U. S. and Great Britain, the psychology of radio commercials, are among many subjects analyzed in considerable detail.

A STUDY OF FM LISTENING WITH ARTICULAR REFERENCE TO FM STATION W7INY. WOR. 1942. A study of the 'M' listener in the N. Y. area, his income, stening habits and preferences.

SURVEY OF BRAND CONSCIOUSNESS AND BRAND USAGE IN NORTH-EASTERN OHIO AMONG MIDDLE-INCOME URBAN AND RURAL HOUSEHOLDS OF 14 SELECTED HOUSEHOLD PRODUCTS. By H. D. Wolfe. Kent State

A SURVEY OF DAYTIME RADIO LISTENING HABITS. Conducted by Foote, Cone & Belding, for the BLUE Network Co. May 1943. A nationwide personal interview survey in 77 cities, towns, and on farms resulted in this study of radio listener habits, together with a history of daytime serials and the trend of their popularity.

SURVEY OF RADIO LISTENERS IN LOUISIANA. By E. A. Schuler. Louisiana State U., Baton Rouge, 1943. Although data was secured primarily for use in educational projects, this survey is extensive and useful in study of listening habits. Charts, maps and tables.

SURVEY OF RESEARCH ON CHILDREN'S RADIO LISTENING. By Herta Herzog. Office of Radio Research, Columbia U. 1941. A survey of literature on children's (6-18) listening habits—age peak of listening, program preferences, reactions, etc.

TEN YEARS OF NETWORK PROGRAM ANALYSIS. The Cooperative Analysis of Broadcasting. 1939. History of network programs, plus ratings in chart and table form.

U. S. RADIO OWNERSHIP, BY COUNTIES. 1940-1944. Columbia Broadcasting System. 1944. Total families, radio families and percentages based upon careful approximations after study of Census and other population figures, and research into population shifts, war migrations, etc.

RADIO ADVERTISING STATISTICAL SERVICES

CAB ANALYSIS OF THE USE OF RADIO SETS—Oct. 1943-Apr. 1944. Cooperative Analysis of Broadcasting. Analyzes the daily use of radios by set owners, comparing the use of radio sets geographically.

CAB AUDIENCE COMPOSITION. Cooperative Analysis of Broadcasting. Four reports a year on audience break-down.

CAB BRAND IDENTIFICATION REPORT. Cooperative Analysis of Broadcasting. Specialized report issued eight times a year.

CAB PROGRAM AUDIENCES AND LISTENING HABITS—RURAL VERSUS CITIES. Basic Area. Spring 1941. Cooperative Analysis of Broadcasting. Comparison of commercial program ratings in 22 interviewing cities and surrounding rural areas.

CAB PROGRAM REPORT. Cooperative Analysis of Broadcasting. A semi-monthly report giving program ratings and sets in use data, based on an expanded list of 81 cities, selected as a representative sample.

CAB RADIO PROGRAM AUDIENCES. Oct. 1943-April 1944. Cooperative Analysis of Broadcasting. Analysis of commercial program ratings by type and length of program, geographic divisions and income groups.

CAB STATION AUDIENCES. Cooperative Analysis of Broadcasting. Oct. 1942-April 1943. An annual report indicating the relative standing of the leading broadcasting stations in each of 33 cities.

EXPENDITURES OF NATIONAL ADVERTISERS IN NEWSPAPERS, MAGAZINES, FARM JOURNALS AND CHAIN RADIO IN 1943. Figures comp. by Media Records Inc., and issued by American Newspaper Publishers Assn. Expenditures listed by individual company.

HOOPERATINGS, COMPREHENSIVE E. C. E. Hooper, Inc. Mid Winter 1944. Includes 32-city Network Hooperatings, network station city Hooperatings, and U. S. urban Hooperatings. Based on sample of 89 cities over 25,000 population.

HOOPERATINGS, CONTINUING MEASUREMENT OF RADIO LISTENING. (CITY LIST). C. E. Hooper, Inc. Separate studies of approximately 60 different cities showing program ratings, sets in use, and available audience.

HOOPERATINGS CHARTBOOK. C. E. Hooper, Inc. 4 times a year. Trends in size and distribution of sponsored network program ratings, trends by types of programs, broadcast hours, and share of audience.

HOOPERATINGS, NETWORK DAYTIME

HOOPERATINGS, "PACIFIC" NETWORK. Monthly. C. E. Hooper, Inc. Program ratings, sets in use, audience composition.

HOOPERATINGS, "SECTIONAL." 3 times a year. C. E. Hooper, Inc. Program ratings, sets in use, available audience, for five geographic areas.

INDUSTRIAL SURVEYS. Industrial Surveys Co. Monthly surveys based on panel technique of programs heard regularly or occasionally.

NATIONAL RADIO RECORDS. Reports of spot radio advertising of individual companies.

NIelsen RADIO INDEX SERVICE. A. C. Nielsen Co. Monthly analyses of subscribers' programs and ratings on all programs.

THE 100% YARDSTICK. New York Radio Station Audiences. Pulse of New York. Monthly measure of radio audience in N. Y. market area by using roster method and personal door-to-door interview.

PUBLISHERS' INFORMATION BUREAU'S NATIONAL ADVERTISING RECORDS. Publishers' Information Bureau, Inc. 1936-date. A monthly service containing records of all network and spot expenditures by individual companies and by industrial classifications.

RADIO ADVERTISING

ADVERTISING MEDIA AND MARKETS. By Ben Duffy. Prentiss-Hall. 1939. Comprehensive practical study of all types of media.

A DECADE OF RADIO ADVERTISING. By H. S. Hettinger. U. of Chicago Press. 1933. A comprehensive survey of radio advertising. Detailed analyses of specific branches illustrated by charts and diagrams.

PRACTICAL RADIO ADVERTISING. By H. S. Hettinger and W. J. Neff. Prentice Hall. 1938. A complete account of radio advertising from the time a program is being considered until it is on the air.

RADIO AS AN ADVERTISING MEDIUM. By W. B. Dygert. McGraw-Hill. 1939. The entire aspect of radio for the advertiser is covered. Contests, popularity ratings, surveys, censorship, are treated.

RETAILING AND BROADCASTING. National Assn. of Broadcasters. 1943. Series of booklets: 1. Radio and retailing in 1943. 2. How to buy radio time. 3. The elements of a successful radio program. 4. How to promote your program (in preparation). 5. How to measure radio audiences.

SURVEY OF BROADCAST ADVERTISING, 92 DEPARTMENT STORES. Research Bureau for Retail Training. U. of Pittsburgh. 1941. Study of management reaction to radio advertising together with experience stories.

PERIODICALS: GENERAL

THE ADVERTISER. Monthly. The Advertiser Pub. Co., 3557 Bogart Ave., Cincinnati.

ADVERTISING AGE. Weekly. Advertising Publications, Inc., 100 E. Ohio St., Chicago.

ADVERTISING & SELLING. Monthly. Robbins Pub. Co., Inc., 9 E. 38th St., N. Y.

BILLBOARD. Weekly. The Billboard Pub. Co., 25 Opera Pl., Cincinnati.

BROADCASTING. Weekly. Broadcasting Publications, Inc., 870 National Press Bldg., Washington 4, D. C.

FEDERAL COMMUNICATIONS BAR JOURNAL. Quarterly. Federal Communications Bar Assn., Munsey Bldg., Washington, D. C.

HEINL RADIO BUSINESS LETTER. Semi-weekly. 2400 California St., Washington, D. C.

INTERNATIONAL BROADCASTING UNION MONTHLY BULLETIN. 37, Quai Wilson, Geneva, Switzerland.

JOURNAL OF THE AER. Monthly except May through August. Assn. for Education

LONDON CALLING. Weekly. British Broadcasting Corp., Broadcasting House, London, W. 1.

NAB REPORTS. Weekly. National Assn. of Broadcasters, 1760 N St., N. W., Washington 6, D. C.

NEWSDIGEST. Monthly. 2900 Tilden St., N. W., Washington, D. C.

PRINTERS' INK. Weekly. Printers' Intl. Pub. Co., Inc., 205 E. 42nd St., N. Y.

THE PUBLIC OPINION QUARTERLY. School of Public Affairs, Princeton Univ., Princeton, N. J.

RADIO ADVERTISING RATES AND DATA. Monthly. Standard Rate & Data Service, 333 N. Michigan Ave., Chicago.

RADIO AND TELEVISION WEEKLY. Phonograph Publ. Co., Inc., 99 Hudson St., N. Y.

RADIO DAILY. Radio Daily Corp., 1501 Broadway, N. Y.

RADIO MIRROR. Monthly. Macfadden Publications, Inc., 205 E. 42nd St., N. Y.

RADIO & TELEVISION RETAILING. Monthly. Caldwell-Clements, Inc., 480 Lexington Ave., N. Y.

RADIO SHOWMANSHIP. Monthly. Showmanship Publications, 1004 Marquette, Minneapolis, Minn.

RADIO-TELEVISION JOURNAL. Monthly. Kolbe Publications, Inc., 1270 Sixth Ave., N. Y.

RADIO TIMES. Weekly. British Broadcasting Corp., Broadcasting House, London, W. 1.

SALES MANAGEMENT. Semi-monthly. Sales Management, Inc., 386 Fourth Ave., N. Y.

TELEVISER. Quarterly. The Television Workshop of N. Y., 11 W. 42nd St., N. Y. 18.

TIDE. Semi-monthly. Tide Publishing Co., Inc., 232 Madison Ave., N. Y.

TUNE IN. Monthly. D. S. Publishing Co., Inc., 30 Rockefeller Plaza, N. Y.

VARIETY. Weekly. Variety, Inc., 154 W. 46th St., N. Y.

WESTERN ADVERTISING. Monthly. Ramsey Oppenheim Publications, 564 Market St., San Francisco.

TECHNICAL

BROADCAST NEWS. Radio Corp. of America, Camden, N. J.

BUFFER. Monthly. Fred U. Wamble, P. O. Box 1176, Missoula, Mont.

COMMUNICATIONS. Monthly. Bryan Davis Publishing Co., Inc., 19 E. 47th St., N. Y.

ELECTRONIC ENGINEERING. Monthly. 43-44 Shoe Lane, London, E. C. 4.

ELECTRONIC INDUSTRIES. Monthly. Caldwell-Clements, Inc., 480 Lexington Ave., N. Y.

ELECTRONICS. Monthly. McGraw-Hill Publishing Co., Inc., 330 W. 42nd St., N. Y.

FM AND TELEVISION. Monthly. FM Co., 240 Madison Ave., N. Y.

PROCEEDINGS OF THE INSTITUTE OF RADIO ENGINEERS. Monthly. Inst. of Radio Engineers, Inc., 330 W. 42nd St., N. Y.

QST. Monthly. American Radio Relay League, Inc., 38 LaSalle Rd., West Hartford, Conn.

RADIO. Monthly. Radio Magazines, Inc., 342 Madison Ave., N. Y.

RADIO NEWS. (Radio-Electronic Engineering Edition). Monthly. Ziff-Davis Pub. Co., 540 N. Michigan Ave., Chicago.

RADIO SERVICE-DEALER. Monthly. Cowan Pub. Corp., 342 Madison Ave., N. Y.

RADIO-CRAFT. Monthly. Raderaft Publications, Inc., 25 W. Broadway, N. Y.

TELEVISION. Monthly. Frederick Kugel Co., 153 W. 23rd St., N. Y. 11.

WIRELESS ENGINEER. Monthly. Iliffe &

SERVICES RELATED TO THE BUSINESS OF BROADCASTING

ADVERTISING AND TRADE ASSOCIATIONS

ADVERTISING FEDERATION OF AMERICA—330 W. 42nd St., New York City 18. Telephone: Bryant 9-0430. Officers: Bruce Barton, chairman of board; J. M. Dawson, president; Earle Pearson, general manager.

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CANADIAN ASSOCIATION OF ADVERTISING AGENCIES—320 Bay St., Toronto, Ont. Telephone: Dundas 5-1211. Officers: J. H. B.

CANADIAN FACTS—19 Melinda St., Toronto, Ont. Telephone: Adelaide 2067. John F. Graydon, president; Ethel O. Colwell, vice-president.

FINANCIAL ADVERTISERS ASSOCIATION—231 South LaSalle St., Chicago 4. Telephone: State 5547. President: J. Lowell Lafferty; Executive Vice-President: Preston E. Reed.

NATIONAL RETAIL DRY GOODS ASSN.—101 W. 31st St., New York 1. Telephone: Pennsylvania 6-2155. Officers: Lew Hahn, general manager and treasurer; Edward N. Allen, president; Llewellyn Harries, manager, sales promotion div. Branch: Washington, D. C., Munsey Building.

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PREMIUM ADVERTISING ASSOCIATION OF AMERICA—500 Fifth Ave., New York. Telephone: Bryant 9-6990. President: Wm. L. Sweet. Secretary: Howard W. Dunk.

THE PROPRIETARY ASSOCIATION OF AMERICA—810 18th St. N. W., Washington 6, D. C. Telephone: National 1914. Officials: Dr. Frederick J. Cullen, Washington, executive vice-president; James Hill Jr., Sterling Drug Inc., New York, president; Charles P. Tyrrell, secretary-treasurer.

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ANDREW Co.—363 E. 75th St., Chicago 19. Telephone: Triangle 4400. Officers: Victor J. Andrew, partner and manager; C. Russell Cox, chief engineer; Walter Kean, field engineer.

STUART L. BAILEY—Jansky & Bailey, National Press Bldg., Washington, D. C. Telephone: Metropolitan 5411. Associate: C. M. Jansky Jr.

JOHN H. BARRON—Earle Bldg., Washington 4, D. C. Telephone: National 7757.

WILLIAM W. L. BURNETT—William W. L. Burnett Radio Laboratory, 4814 Idaho St., San Diego, Cal. Telephone: Talbot 4943.

COMMERCIAL RADIO EQUIPMENT Co.—Eastern Office: International Bldg., Washington 4, D. C. Telephone: District 1319. Everett L. Dillard, general manager; Kenneth M. Hollingworth, assoc. engineer. Midwest Offices: Porter Bldg., Kansas City, Mo. Telephone: Logan 8821. Robert F. Wolfskill, manager; Milton W. Woodward, chief engineer; C. O. Simmons, Orren Nigh, Earl Chamberlin, Harry Bown, G. L. Curtis, assoc. engineers. West Coast Office: 1584 Cross-Roads-of-the-World, Hollywood 28, Cal. George Taffeau, manager.

A. EARL CULLUM Jr.—Highland Park Village, Dallas 5, Tex. Telephone: Lakeside 2352. Associates: C. M. Daniell, D. A. Peterson.

GEORGE C. DAVIS—Munsey Bldg., Washington 4, D. C. Telephone: District 8456.

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PAUL F. GODLEY—10 Marion Road, Montclair, N. J. Telephone: Montclair 2-7859.

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JOHN V. L. HOGAN—730 Fifth Ave., New York 19. Telephone: Columbus 5-5536. Associates: R. W. Bristol, Wilson Aull Jr., Murray E. Tucker.

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C. M. JANSKY Jr.—Jansky & Bailey, National Press Bldg., Washington 4, D. C. Telephone: Metropolitan 5411. Partner: Stuart L. Bailey.

WALTER F. KEAN—114 Northgate Rd., Riverside, Ill.

FRANK G. KEAR—Albee Bldg., Washington, D. C. Telephone: Republic 1951.

ROBERT L. KENNEDY—Albee Bldg., Washington, D. C. Telephone: Republic 1951.

WORTHINGTON C. LENT—1319 F St. N.W., Washington, D. C. Telephone District 4127.

LOHNES & CULVER—Munsey Bldg., Washington 4, D. C. Telephone: District 8215. George M. Lohnes and Ronald H. Culver.

MAY BOND & ROTHROCK—National Press Bldg., Washington 4, D. C. Telephone: District 7362.

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ANDREW D. RING—Ring & Clark, Munsey Bldg., Washington 4, D. C. Telephone: Republic 2347. (R. L. Clark on leave for military service).

HECTOR R. SKIFTER—St. Paul, Minn. Telephone: Garfield 5511. Hector R. Skifter, Donald M. Miller.

I.T. COL W. ARTHUR STEEL—63 Sparks St., Ottawa, Ont., Canada. Telephone: 3-9617.

WASHINGTON INSTITUTE OF TECHNOLOGY—5005 Calvert Rd., College Park, Md. Telephone: Warfield 8000.

NATHAN WILLIAMS—150 High St., Oshkosh, Wis. Telephone: Oshkosh 548.

RAYMOND M. WILMOTTE—1469 Church St. N. W., Washington 5, D. C. Telephone Decatur 1231.

HERBERT L. WILSON ASSOC.—991 Broad St., Bridgeport, Conn. Capt. Garo W. Ray, manager. (Maj. Wilson on leave.)

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(Continued from page 440)

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INDUSTRIES COUNSEL ASSOC.—280 Madison Ave., New York. Rupert S. Stern, president; Leon Loeb, Waldo Schraubstader, vice-presidents; Jean Stewart, secretary-treasurer; Jeanne E. Ritzen, executive secretary. (Market & product research.)

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RESEARCH CO. OF AMERICA—341 Madison Ave., New York 17. Telephone: Murray Hill 4-0075. General Manager: A. Edwin Fein; A. T. Robinson, field director.

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ock. Branch: 330 W. 42nd St., New York 18; telephone, Medallion 3-2323; manager, William F. Hoffmann. (Newspaper and periodical circulation audit service.)

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BROADCASTERS PROMOTION SERVICE—Atlantic City, N. J. Telephone: 4-1957. James Dooley, business manager. (Specialized promotion service for radio stations.)

CARL H. BUTMAN—National Press Bldg., Washington, D. C. Telephone: National 7846. (Consultant on FCC procedural, regulatory and technical matters.)

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FOOD - DRUG - COSMETIC REPORTS—National Press Bldg., Washington 4, D. C. Telephone: Metropolitan 0606. Editor: Wallace F. Jansse (Weekly Washington news letter reporting activities and trends of food drug and cosmetic regulation.)

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INTERNATIONAL EVENTS—159 E. Chicago Ave., Chicago 11. Telephone: Superior 2441. David Gottlieb, manager (newspicture publicity service).

GEORGE McKITTRICK & Co.—108 Fulton St., New York 7. Telephone: Barclay 7-4828. Branch: 185 No. Wabash Ave., Chicago 1. Telephone: State 8911. (Publishes McKittrick's Directory of Advertisers and Agencies.)

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NATIONAL REGISTER PUBLISHING Co. Inc.—330 W. 42nd St., New York 18. Telephone: Medallion 3-5850. President and treasurer: R. W. Ferrel. Branch: 333 No. Michigan Ave., Chicago; telephone: Randolph 5744; manager, A. J. Crane. (Publishes Standard Advertising Register services, listing national advertisers, agencies and their personnel.)

NATIONAL RESEARCH BUREAU Inc.—415 North Dearborn St., Chicago 10. Telephone: Superior 5080. (Merchandising and advertising ideas for radio stations.)

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ROBINSON'S RADIO RECKONER —19 W. 44th St., New York. (Per listener-cost studies for spot users.)

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* BRITISH UNITED PRESS Ltd.—231 St. James St. W., Montreal, Que., Telephone: Plateau 9947. Officials: R. W. Keyserlingk, managing director; G. H. Sallans, general news manager; Marcus Van Steen, day editor; W. E. Balfour, night editor; F. A. Darrell, accountant. Branch offices: Halifax, N. S., Broadcasting House. Telephone: Bishop 8318. George V. Fraser, manager; Moncton, N. B., Knights of Pythias Bldg. D. E. Swift, manager; Ottawa, Ont., House of Commons. Telephone: 2-8211. Norman Macleod, manager; Toronto, 21 King St. E. Telephone: Adelaide 8834. L. J. Rogers, manager; Vancouver, B. C., 500 Beatty St. Telephone: Pacific 5732. Alex Janusitis, manager; Winnipeg, Man., 166 Portage Ave. Telephone: 98-322. Brian A. Tobin, manager, Regina, Sask., Drake Hotel. John E. Bird, manager.

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*INTERNATIONAL NEWS SERVICE—235 E. 45th St., New York. Telephone: Murray Hill 2-0131. Officials: Joseph V. Connolly, president; Barry Paris, editor-in-chief; Walter E. Moss, business manager.

*PRESS ASSOCIATION Inc.—Subsidiary of Associated Press, 50 Rockefeller Plaza, New York 20. Telephone: Circle 7-7363. General Manager: William J. McCambridge. Assistant to general manager: Oliver Gramling. News Director: Tom O'Neil.

*PRESS NEWS LIMITED—Subsidiary of Canadian Press, 44 Victoria St., Toronto 1, Ont. Telephone: Elgin 2692. Officers: Hon. W. A. Buchanan, president; J. A. McNeil, chief executive; C. B. Edwards, manager; C. A. Day, treasurer.

*REUTERS LTD OF LONDON—50 Rockefeller Plaza, New York. Telephone: Circle 6-3960. D. K. Rogers, manager.

*TRANSRADIO NEWS FEATURES Inc.—521 Fifth Ave., New York 17. Telephone: Murray Hill 2-4053. Officers: Herbert Moore, president; Dixon Stewart, vice-president.

*TRANSRADIO PRESS SERVICE Inc.—521 Fifth Ave., New York 17. Telephone: Murray Hill 2-4053. Officers: Herbert S. Moore, president; Dixon Stewart, vice-president. Branch Offices: 203 N. Wash. (Chicago). Manager: Milton Fishman; National Press Bldg., Washington 4. Manager: Rex Goad; Taft Bldg., Hollywood. Manager: Wilfred Brown.

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