

Radio Programs (Who Cares Whether the Newspapers Print Them or Not—You'll Prefer to Read Them Here, if You Like Them) In Handy Form

APRIL

25 Cents

Radio Log and Lore

FOR ONE DOLLAR (This Magazine Provides Just the Right Kind of Service
(Needed to Keep You Well Acquainted With Your Radio) FOR ONE YEAR

THE · RADIO · PARADE

When Marjorie Anderson, who plays the leading roles in the Beatrice Fairfax presentations over NBC, appeared for a picture, the obliging photographer, who had heard that Miss Anderson had been a sure enough miner in the silver mines of Mexico, dug up this old Mexican vase, and lo, the atmosphere and background were both correct, particularly after Miss Anderson donned the old Mexican sombrero. She secured work in the mine, only after dressing as a Mexican peon, and being used to surmounting obstacles and getting what she goes after, she secured her present assignment by her insistence, after wandering into the studio where one of the programs was being rehearsed, by mistake. There success followed quickly.



June Joy sings choruses for Sam Robbins and his orchestra at the McAlpin grill in New York. Columbia says she is blue-eyed and raven-haired.

Jean Sargent, deep-voiced Ziegfeld Follies singer who scored such a hit over Columbia a few months ago, just dotes on the outdoors and loves to canter around scenes of her childhood.



A De Luxe Log for the Merchants

A group of Canadian Radio Merchants have commissioned the publishers of Radio Log and Lore, to publish for them a comprehensive book on North America and world broadcasting. They want the book, they write, for the use of salesmen in set demonstrations and for general reference in matters connected with broadcasting. They ask that particular attention be paid to short wave, in view of the action of manufacturers in specializing in the all-wave sets this year. They ask for a book just as big and complete as we know how to make and one that will in no way resemble the ordinary log, in magazine form, which on account of cost, are necessarily restricted in size. It's easy to see that they want something elaborate and out-of-the-ordinary, and their requirements will also be for sufficient copies to supply customers of the store (especially those buying a new radio) with a gratis copy. Radio Log and Lore congratulates these merchants on their enterprise and assures them that they have come to the right place. We are going to publish just the kind of book they have in mind, but their request has given us an idea.

Perhaps other radio merchants have felt the need of a book of this sort,

perhaps other merchants' salesmen have buyers of new sets everywhere who would appreciate it just as much.

We have planned, therefore, to bring out as an annual publication, just the sort of book these merchants have requested—a work so complete and comprehensive that it could be issued only as an annual publication. It will not be a newsstand publication in any sense and it will not be offered for newsstand sale. The specifications will be a comprehensive directory of world broadcasting that will meet the call for almost any kind of non-technical information connected with radio, whether the information be sought by the merchants or the buyer of a radio set.

The book will, of course, deal with the 1934-1935 broadcasting season, and will appear around October. Further announcements will give more definite plans as they are worked out. The purpose at this time is to inform radio merchants everywhere of the plan to publish a book of this nature, so that they may, if they so desire, order sufficient copies for their own use, of a work already prepared for the press. Full information will be furnished on request, including quantity prices.

Suffice to say here, that many merchants are planning to place their

own advertising on the covers of their copies and many are planning for their use during the holiday season.

Present plans call for a book of 100 magazine-size pages, or more—probably 132. It will have a profusely illustrated section devoted to the great radio stars of today and covering the entire field of broadcasting.

It will contain an elaborate atlas of probably 32 pages, graphically illustrating world broadcasting including maps and charts showing airline distances and standard time changes. Included will be much reference and statistical information of broadcasting generally.

The short wave department will undoubtedly be the most comprehensive ever published, and will include a series of charts dealing with the various kinds of short wave stations, that will be simple and handy for the dialer, and we can safely promise that it will be a delight to the short wave fan.

In short, we promise an enlarged and de luxe broadcasting directory—a complete log and program book and a combined atlas and encyclopedia of radio information. We believe every radio fan in North America, and in fact, the English speaking countries of the world, will want to possess a copy. Regarding the distribution:

FIRST—The Merchants Broadcast Annual will be distributed by radio merchants and the publishers will attempt to have it on sale at the leading radio stores everywhere, and while many copies will doubtless be given gratis to patrons of the store, the publishers will request each merchant to respect the retail price of 50 cents.

SECOND—Where purchasers are unable to secure a copy from their local radio merchant, copies will be forwarded by mail prepaid by the publishers on receipt of 50 cents.

Another reason that the bringing out of the new annual has had great appeal to the publishers, in that it presents an opportunity for something the publishers have long sought—an appropriate gift for each member of the big family of Radio Log and Lore subscribers. It is true that the new edition will contain many of the features of Radio Log and Lore, that we do not know how to improve upon—such as Whitman's Rapid Station Finder, but it will be of so comprehensive a nature as to be impossible

to be duplicated in a monthly publication. The only requisite to a copy as a gift is that you forward a full year's subscription to Radio Log and Lore, advancing your present expiration date one year. New subscriber or old, the offer is the same—one dollar for the subscription and the book will be forwarded from the first edition off the press. If so desired, the subscription may be sent to one address and the annual delivered to another. Also copies can be guaranteed only to subscribers whose orders

have been received prior to the time the first edition is made ready for the press. Frankly, the publishers are a little at sea regarding the cost of the new edition—we do not know just how large, in fact, we shall decide to make it. It is possible we will not be able to permanently offer it as a free gift to subscribers, with the subscription price of Radio Log and Lore as low as it is, but at present, copies will be booked for delivery, with each yearly renewal, so why not mail this coupon today:

PLEASE CHECK HERE
(\$1.00 Enclosed)

If you want your copy of Merchants Broadcast Annual mailed to your own address.

PLEASE CHECK HERE
(\$50 Cents Enclosed)

If you want to order a copy of Merchants Broadcast Annual only.

PLEASE CHECK HERE
(\$1.00 Enclosed)

If you want subscription mailed to your address and Merchants Broadcast Annual sent to.

WHITMAN RADIO PUBLISHING CO.,
Kirkland, Wash., U. S. A.

Please enter my order for the first edition of the Merchants Broadcast Guide, as checked herewith. My remittance enclosed.

Name _____

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State _____

(Residents of Canada and foreign countries should remit one regular subscription price of \$1.25)

Radio Log and Lore

WHITMAN RADIO PUBLISHING CO.

W. R. WHITMAN, PUBLISHER
ALICE M. WHITMAN, EDITOR



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COD From Havana With One Million

What is believed to be the largest broadcasting station in history, either in operation or under construction, is the proposed station COD, licensed by the Cuban government on channel 69, with a power of 1,000,000 watts. The owners and operators of the proposed air giant, are J. E. Mojarríeta and associates, which they are advertising as "The World's Voice," located in channel 69, "center of the dial," and in Havana, "center of the world's population." The literature issued by the station claims a listening audience of 100,000,000 people, and a

financial offering of \$500,000 in bonds bearing 10 per cent interest, on a proposed million dollar investment in station equipment, is included. The rate card lists time at \$100 a minute or \$2,000 an hour—all of which makes Dr. Brinkley look like a piker. The channel assigned by the Cuban authorities for the new venture is an exclusive Canadian channel under the United States-Canada pact. The promoters of the station announce that the dedication will take place on November 1. Many believe this is another case of Mexican border stations.

Broadcast Station Owners Displeased with Agreement Between Radio and Press

(Havana Correspondence)

Broadcast station owners, up and down the land, are wondering if it isn't been a recent version of the "Foolish mess of nottage; certainly no station operators have come forward to applaud the action of the network executives, who kindly decided to retire from the news broadcasting field, at the request of the publishers, but on the other hand a score or more of stations have signified their intention of not being bound by the action of the network chiefs.

The largest unit to repudiate the peace agreement is the Yankee network, which is the New England affiliate of the Columbia System. Its executives have announced that not only do they disapprove of the action in surrendering to the news-

papers, but that the Yankee Network will have its own complete news coverage.

The same feeling prevails on the Pacific Coast, and both KFI and KNX are making plans to go ahead with the broadcasting of the latest news, as soon as possible, after it happens, instead of a day later, as proposed by the newspapers. KNX has been appealing to its listeners, asking cooperation and moral support, in what it believes to be the duty and the privilege of the broadcasting station. KFI is said to have organized some 10 or 12 stations into a cooperative group that will carry on in the broadcasting of the day's events. Both KNX and KFI are cleared channel stations, the latter the Los Angeles outlet



About "Restricteds"

Operators of radio stations, and others, would appear, are soon to have their turnings in court, for the purpose of threshing out the alleged high-handed manner in which the American Society of Authors, Composers and Publishers, have been controlling the playing of practical "oldies" all over the world, and over the air.

Violation of the anti-trust laws is charged in a petition recently filed as follows.

"That before any proprietor of any business can play or use music in his establishment, he is compelled to take a license from the composers' organization, at fees fixed by the organization, or face civil or criminal prosecution on the theory of infringement of copyrighted matter.

"That the society is in a position to dictate the terms upon which a business dependent upon the use of music might continue to exist, a degree, where, in some instances, persons have been forced out of business.

"That large users of music, such as radio broadcasting stations, theaters, etc., because of the organization's alleged monopoly, deal only with it.

"That the requirements and qualifications demanded by the society of a composer or publisher seeking membership are so strict for the average or small composer that it is practically impossible to become a member."

At one time or another practically every affiliate of either of the transcontinental networks, becomes the point of origination, and a program is broadcast from its studios, but the first time that a Hawaiian station so functioned, in broadcasting a program of importance, was on the occasion of the anniversary of President Roosevelt's inauguration, March 4. The program was produced by Station KGU, NBC affiliate and owned by the Honolulu Advertiser, and consisted of native Hawaiian music. The entire program was supervised by Princess Abigail Kawananaka, widow of Prince David, who would have succeeded to the throne of Hawaii, but for the overthrow of the monarchy. She assembled a cast of over fifty vocalists and instrumentalists, and from the grounds of the Royal Palace was heard in all parts of North America, the songs dear to the hearts of all Hawaiians. A feature was the singing of a new song, written for Mrs. Roosevelt, by Charles E. King, author of "Song of the Islands," and other Hawaiian successes, in collaboration with Kekia Keiaikai, former director of the Royal Hawaiian Band, it was sung by Olulani Robertson, Hawaiian opera star, who has achieved fame in the opera of Paris and other European centers.

Rosa Ponselle and Nick Lucas represent two extremes in microphone technique. While the crooning troubadour finds it advantageous to "almost bite the microphone", the opera star stands six feet from it. Ted Husing, who collects autographed photos, has one sent to him by his colleague, David Ross, which was signed "To the Napoleon of Amateurs from the Little Corporal". Ted just found out what it meant.

(New York Correspondence)
VIVIAN Ruth is the warm-voiced contralto whose solos are heard with the Happy Wonder Bakers on



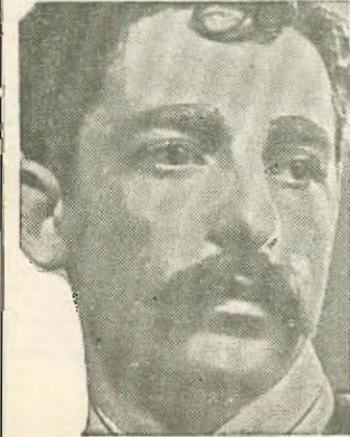
the CBS network, Monday, Wednesday and Friday evenings. Here's something else: Vivian is very fussy about her pictures and this is the first one to appear in a long time.

(New York Correspondence)
IN spite of his youth, Johnny Green has many claims to fame. Already renowned as a pianist, arr-



ranger and composer, he is winning fresh laurels with the baton. He was arranger for Guy Lombardo's orchestra at 18 and a year later secured his degree from Harvard.

(New York Correspondence)
HYMAN Brown, the young man who writes the script and plays the lead in Columbia's serial, "Lit-



the Italy", looks the part of an enterprising young business man, but in his character makeup of "Papa Filomeno", it is different. He has written several radio plays.

(New York Correspondence)
THE famous former tenor of the Revelers, James Melton, now sings on the Ward Theater program



over Columbia and his offerings include some of the songs that he has rendered for President Roosevelt as well as a variety of negro spirituals and old-time melodies.

(New York Correspondence)
FASCINATING stories of far-away places and interesting people, has been resumed by Malcolm LaPrade, who takes the part of narrator, as "The Man from Cooks", in a return engagement over an NBC network. His talk will take listeners to every country on earth.

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RADIO LOG AND LORE



PICTURES IN THE NEWS

(Chicago Correspondence)
HELEN Hayes is another of the famous stars of stage and screen, who recently made a guest ap-



pearance on a Hinds Hall of Fame program over an NBC network. When a little girl, she wanted to become a nun until she took part in a juvenile play; after that the stage,

(New York Correspondence)
SWEET Singer Adele Starr, heard on Plough's musical cruiser program over an NBC network, is a



native of Ohio, born on the shores of Lake Huron. Her favorite diversion, since a very young Miss has been to brave the white caps that came rolling in during a blow.

(New York Correspondence)
ROBERT Armbruster heads the cast of artists and directs the orchestra that produces "Music on the



Air", heard over Columbia Monday, Wednesday and Friday evenings. Included on the broadcast are Jimmy Kemper, dramatist of song, the Humming Birds and male octet,



(New York Correspondence)
STILL another great star of the stage and screen, Bernice Claire, made a guest radio appearance, over an NBC network recently. She was on the same program with Alex Gray with whom she co-starred in "The Desert Song", "Song of the Flame" and other pictures.

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RADIO LOG AND LORE

(Toronto Correspondence)
WISHART Campbell, who is conceded to be Canada's most popular baritone, was trained as an



organist and pianist, taught school and played in University dance bands before achieving fame as a radio singer. He has fine stage presence as well as a lovely voice.

(Chicago Correspondence)
THERE is a new addition to the cast of the Armour program—the newcomer being Margot Elean-



ore Baker. The little one's father is now a floorwalker, in his leisure moments. It is said that the regular line of Baker gags make no kind of a hit with the new arrival.

(New York Correspondence)
KATHLEEN Wells was a model in an exclusive fashion shop, when Peter van Steeden, the maestro,



heard her sing at a party. Peter asked her if she would like to sing with his orchestra, and she thought Peter was just being nice—until she was notified of an audition.

(New York Correspondence)
HELEN Morgan, in her chic new hat, finds her place in front of the Columbia microphone, with as



much zest as her position atop the piano. She's heard with Jerry Freeman's orchestra over the Columbia network, in the sparkling "Broadway Melodies", Sunday afternoons.

(New York Correspondence)
UNIFORMS are worn during performances of "Roses and Drums" as broadcast from Carnegie



Hall in this city, to help carry the illusion to the audience. John Grings plays the lead as Captain Randy Claymore. The play is heard each Sunday afternoon, over CBS.

(New York Correspondence)
MARY Eastman, the lyric soprano who achieved stardom over the Columbia network during the past



year, has returned to the microphone after a brief absence, to star in the new "Voice of America" programs over the CBS network Thursday evenings, at 8:30, EST.

(New York Correspondence)
FANNY Brice, star of radio and many Broadway successes, appeared again on an NBC network



as a guest artist. She started out as a "straight" singer, but soon adopted the Jewish dialect. For just 14 years she has been in the limelight and in vaudeville,

(New York Correspondence)
PARAGON of talents is Adele Girard, who supplies the feminine touch with Harry Sosnik and his



Edgewater Beach hotel orchestra, based on the Columbia network up to midnight, Eastern time. Blues songs are her specialty, but she is a pianist and a harpist of note.



(New York Correspondence)

The Lowell Thomas news broadcast is sponsored by the Sun Oil Company, but it would seem that the telegraph company must have been mixed up in it some way, for who could afford to pay for all these telegrams. At the close of his broadcast, recently, Thomas announced that he was speaking from the Western Union headquarters in New York, and that all who wished could send a message collect. Over a quarter of a million "wished" and it required nearly a ton of paper to transcribe the replies, and the next day the NBC audience mail department announced that a new record had been made.

VIOLETS ARE BLUE, ROSES PINK; SEND YOU FIFTY, I DON'T THINK

—Yours as ever, Jack



"If you can send me fifty dollars," wrote Mrs. Jack Benny (Mary Livingstone), to Mr. Jack, "I can stay a while longer; otherwise I'll leave." She left and rejoined Jack, Frank Parker and Frank Black on the Chevrolet program.

There are still four border stations operating: XEPN, close to XER, across from Del Rio; XEAW across from Eagle Pass; XENT, across from Laredo; and XEBC, near San Diego, Calif. A license has been granted for another near San Diego and two have been licensed to operate near Brownsville, Texas, while a fourth has been denied to build near El Paso.

Power? The point seems quite negligible, that is unless the applicant should become too grasping and ask for a million watts. If it proves to be at all reasonable, and satisfied with five hundred thousand the matter can be easily arranged.

But the eight stations, listed above, could easily blanket all of the United States and Canada. Are they to go ahead with plans and was the suspension of Brinkley's station of no particular international significance. Or, are the others to follow the path of the Brinkley station into oblivion? The radio authorities would like to know.

XER FADES OUT OF PICTURE AS TROOPS PATROL

Demise Recalls Stormy Career of Doc Brinkley as Broadcaster

(Washington Correspondence)

Taps have been sounded for the original and most famous of the Mexican border stations—XER, operated at Villa Acuna, on the banks of the Rio Grande, across from Del Rio, Texas. As spectacular has been its brief existence, as hectic was its demise, with Mexican soldiers guarding the station property, and an ultimatum from the government to have the property removed within thirty days. Whether this is actually the end of the station, is not, however, clear, as the suspension order, by the Department of Communications, is shrouded in mystery.

The real story of XER began when Dr. John R. Brinkley was the moving spirit in station KFBB, in Millwood, Kan., and who was defeated before a hearing in the House of Representatives, as a Goat Gland specialist. Dr. Brinkley died a lot of things, or rather said them over his station, not at all to the liking of the medical profession, the final climax being that the Federal Radio Commission suspended Dr. Brinkley's license and that the latter moved across the Mexican border and opened a station with a power ratings unheard of, not only in North America, but in fact the world.

With Dr. Brinkley duly ousted, and also firmly established across the Mexican border, the Commission then seems to have found time to look after Norman Baker, who was operating a station at Muscatine, Iowa. The situation was much the same, only instead of being a goat gland specialist, Baker is alleged to have assured the listeners that he could cure cancer without an operation, which also did not set well with the medical profession. Mr. Baker was duly ousted by the Commission, and duly established by the Mexican authorities, as licensee of the second large border station, XENT, at Nueces Laredo, across the Rio Grande, from Laredo, Texas. Both these stations were licensed

at such tremendous power, that it seems superfluous to figure that high, but each used over one hundred thousand watts. Their coverage has been practically all of the United States, and in fact, Canada, also.

In all respects aside from location of the transmitter, both of the stations—in fact all the border stations have been essentially American. The appeals, for the purpose of dragging in the revenue, have been in English and the programs have been principally in English. And without question the programs have been intended for both the people of the United States and Canada and in each case the principal studios have been located in Texas, across the border from the transmitters.

The seriousness of the situation was at once realized by the United States authorities, but Mexico's only answer to the protests, appears to have been the licensing of more border stations. In protesting to Mexico it was pointed out that almost exclusively was American talent used by the border stations and the reply was a suggestion that the United States take steps to place an embargo on this talent. Then followed the All-America radio conference in Mexico City last summer, that ended, as well known, in a deadlock, and at which the Mexican government insisted on being conceded the two channels that were in use by the stations of Brinkley and Baker.

The broadcasting situation has looked pretty serious to the Washington authorities, and still does. But the suppression of Dr. Brinkley's station has been a rift in the sky. As it was the last to come, so has it been the first to go. Will the others follow? Has there been a change of Mexican heart, and was the State Department, that was asked to sit in on the question, able to cause the Mexican government to see the light?

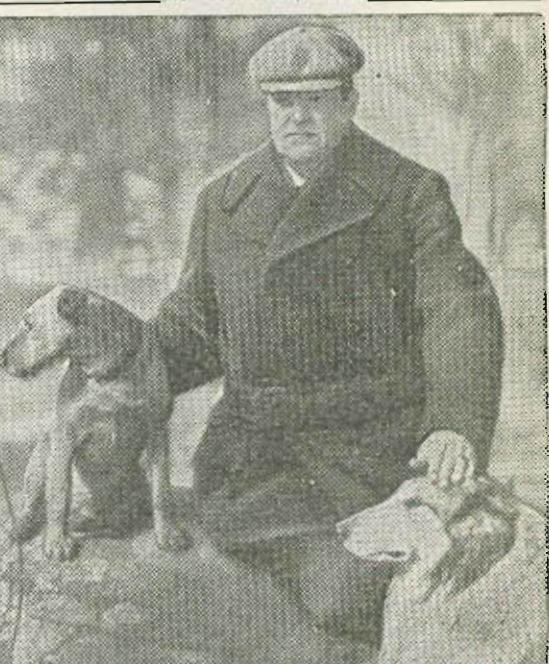
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STORIES OF DOGS

(New York Correspondence)



Albert Payson Terhune, famous writer and authority on dogs, has fresh evidence of the truth of the old adage that "Man's best friend is his dog." Terhune as been writing dog stories for years, but not even in his fiction has he surpassed the examples of canine heroes and loyalty revealed in his dramatizations of true dog stories over an NBC network, each Sunday afternoon, the material for which is contributed by listeners everywhere, and authenticated and dramatized by Terhune.

Mrs. Graham McNamee, nee Ann Lee Sims, is the daughter of a Louisiana cotton planter.

"AMOS JONES" CALLS ON A REAL-LIFE AMOS JONES, ILL IN A PITTSBURGH HOSPITAL



"Yuh is gonna be betch, now," says Freeman Gosden, Amos of Amos 'n' Andy, to Amos Jones in real life, who was in a Pittsburgh hospital, stricken with pneumonia. The real Amos said that he was fourteen years old and that he came in from Virginia on a freight train. He tried his best to smile for the photographer, but failed until Amos 'n' Andy went to work just like they do on the air.

New West Coast Unit For Hearst

Fourth Station in San Francisco Added TO HIS CHAIN

(San Francisco Correspondence)

The National Broadcasting Company, which owns and operates as keys, the two largest stations in this city—KPO and KGO—has sold its third station—KYA—to William Randolph Hearst, according to advice received from New York, where the deal was consummated.

While those who acted for the publisher in the negotiations, deny that he has radio chain ambitions, it is a fact that the Hearst interests are gradually acquiring established stations at strategic points. Only recently, Hearst's new acquisition in Pittsburgh—WCAE—was dedicated, to be followed by the purchase of the most important station in San Francisco, aside from the chain key stations.

The most important of the Hearst stations is WINS of New York City. Since taking over this station, the publisher has built it into an enviable position as far as popularity and prestige is concerned.

KYB was operated by the Pacific Broadcasting Company, a subsidiary of NBC. It was acquired by the company, in a deal that included the purchase of the network stations of the late American Broadcasting Company. The other three stations of the group, KJR of Seattle, KEX of Portland and KGA of Spokane, were leased and consolidated with the stations in those cities that were releasing the NBC productions.

Pan mail is a sacred thing to Annette Hanshaw, early haired singer of the Maxwell House Show Boat Company. She answers her own letters in her own handwriting, holding that a typewritten acknowledgement from a secretary is too formal and impersonal. Needless to say, Annette is kept pretty busy with her pen and paper.

Representative Blane has introduced a bill in the lower house that provides a fine and jail sentence for persons who conduct a lottery or offer prizes over the air.

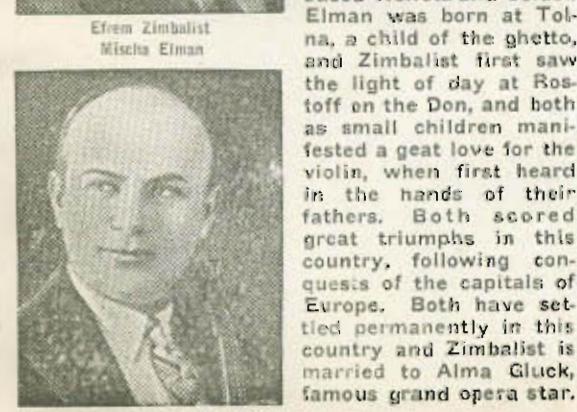
Al Goodman, who furnishes the musical background for the George M. Cohan broadcasts, was discovered by Al Jolson several years ago during a musical show.

Aunt Betty Knows All the Old Tunes

Old-Time Music of the South Sponsored by NBC in New Series

(Richmond Correspondence)

Two of the world's greatest violinists, appeared as guest artists during the past month—over an NBC network and each has considerable in common with the other. Both Mischa Elman and Efrem Zimbalist were born in Russia; both spent many years under the tutelage of the great master, Leopold Auer, whose genius produced Heifetz and Seidel. Elman was born at Tolna, a child of the ghetto, and Zimbalist first saw the light of day at Rosstoff on the Don, and both as small children manifested a great love for the violin, when first heard in the hands of their fathers. Both scored great triumphs in this country, following conquests of the capitals of Europe. Both have settled permanently in this country and Zimbalist is married to Alma Gluck, famous grand opera star.



Aunt Betty Smith knows all the old folk songs of the Southland, and when she tunes up the old fiddle, all the folks down that way just naturally begin to limber up for the double shuffle, for there is nothing like the old tunes for putting a little life into an old fashioned hoe-down. The fact that Aunt Betty made her bow to the radio audience, came as the result of the determination of John Powell, Richmond composer, to present to the public more of the old music of the South, and the series in which Mrs. Smith appeared was broadcast over an NBC network from station WRVA of Richmond, Virginia.

Dill Asks Schools to Use Bands

Senator Believes New Channels Ideal for Education

(Washington Correspondence)

Senator C. G. Dill of Washington, the senate's recognized authority on radio, is sponsoring a plan to move the schools and colleges of the land into the new channels authorized at the recent North American conference in Mexico City—channels 150 to 180. Senator Dill, who is chairman of the Senate Interstate Commerce Committee, has mailed a letter outlining his plan to colleges and universities, and the Federal Radio Commission has taken kindly to the idea and formulated rules and regulations governing the use of these experimental broadcast channels, a copy of which have also been forwarded to the schools. In the letter Senator Dill states:

"I have long hoped to see some kind of educational station set up in this country and it has been suggested to me, and the suggestion seems wise, that if various colleges and universities would apply for the use of these new frequencies for experimental purposes, that it might become the nucleus around which to build a great system of educational broadcast stations throughout the entire United States."

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Aunt Betty Knows All the Old Tunes

Old-Time Music of the South Sponsored by NBC in New Series

(Richmond Correspondence)

LAST CONTINENT

(Cape Town Correspondence)



John McCormack (left) and John Thomas

With the arrival here of John McCormack, beloved and famous tenor of the Old Sod, that sterling artist will be close to his realization of a long cherished ambition—to have carried his art to all of the six of the world's largest divisions. America was the first to hear the silver-voiced tenor, nearly thirty years ago, after the young singer had won much fame at home and the Dublin Music Festival Medal. His singing was a sensation at the St. Louis World's Fair, and following this appearance he won renown on every continent excepting Africa.

Thomas Triumphs at Metropolitan

(New York Correspondence)

John Charles Thomas, distinguished American baritone, whose recent debut with the Metropolitan Opera Company was one of the sensational successes of the current season, replaces John McCormack on the NBC network, the latter, having been booked for a concert tour of Africa.

The young baritones, who came up from musical comedy, to the front

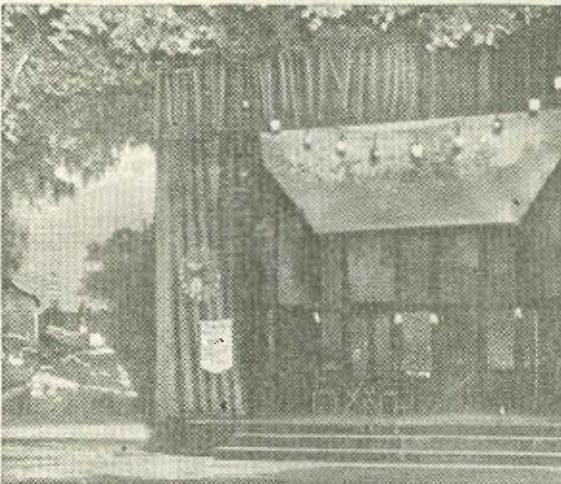
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Some Opera and Radio Folks

Opera Stars
on the Radio
and Radio
Stars on the
Stage

Fame and renown
for the singer may
lie in the opera, but
at least lucrative en-
gagements for its
stars are found in
radio. Likewise the
big names in radio
are successfully cap-
italized as stage attrac-
tions. Those on this page, and many
others have appeared
recently in sponsored
broadcasts.



Thousands of people listened to grand opera in New York recently, and thousands multiplied, possibly, by thousands heard radio carry the voices to a nation. Only those who could see, however, beheld these scenes from the stage. Above, Pagliacci and below, Faust.

Gladys
Swarthout
Appears in
Beauty Box
Theater
Series

The manufacturers of Palmolive soap, who used to sponsor the Olive Palmer-Paul Oliver program, have taken on something quite pretentious in the Beauty Box Theater series, in which famous operettas of the past are produced. The cast includes Gladys Swarthout, Metropolitan star, Paul Oliver of the former series and a host of other stars.



It would seem that great opera and radio stars are pretty human after all—just regular folks. Quite a far call from one of the gilded costumes of the Metropolitans to this ski scene in which Richard Crooks is enjoying himself with the wife and the kiddies.

Sheriff Role
Appeals to
Lawrence
Tibbett; His
Father a
Sheriff

Lawrence Tibbett, famous baritone of the opera, the movies and radio, has been quoted as declaring his favorite operatic role to be "Sheriff Range," in "Girl of the Golden West." Tibbett's father was a frontier sheriff of early days and was killed in a shooting affray with outlaws.



Coe Glade



Mario Chamlee



Mine. Frances Alda



Elisabeth Rethberg



Lucrezia Bori



Richard Bonelli



This is the
Lane Team
(upper right)
of
Harmonizers
De Luxe,
and the one with
the face profile at
the right, is Priscilla,
whom the press agent
says has a shy look;
he does not include
Sister Rosemary in
this, but avera that
while she is the elder
of the two, she is still
too young to go
to the polls.

Loretta Lee
(upper left)
is a Deep
Blues Singer
from
New Orleans

and she is said to
have the true South-
ern accent. She is
dance band George
Hall's only girl —
measuring the girl
dancing songs with the
Hall aggregation at the Hotel Taft;
heard over Columbia.

Kay Frances
(lower right)
Was
Interviewed
From
Hollywood

by Louella Parsons,
motion picture critic,
over the Columbia
network recently.

Columbia
Says This
Contraption
(lower left)
is a
Rocket Gun;

It is in the hands
of Dr. Huer of the
Buck Rogers serial,
heard over Columbia,
(Edgar Stelll in real life). Adele Benson
is Wilma Dearing,
and Curtis Arnall
is Buck himself.



Under Canada's new nationalized radio, the Canadian Radio Broadcasting Commission operates a chain from Halifax to Vancouver. A complete evening schedule is maintained with no day releases

LEGEND:

These two pages dealing with the four great transcontinental broadcasting networks that cover North America, are published in order to give the listener a better understanding of the source of his entertainment and how it reaches him; also to make clear the use of the program schedules.

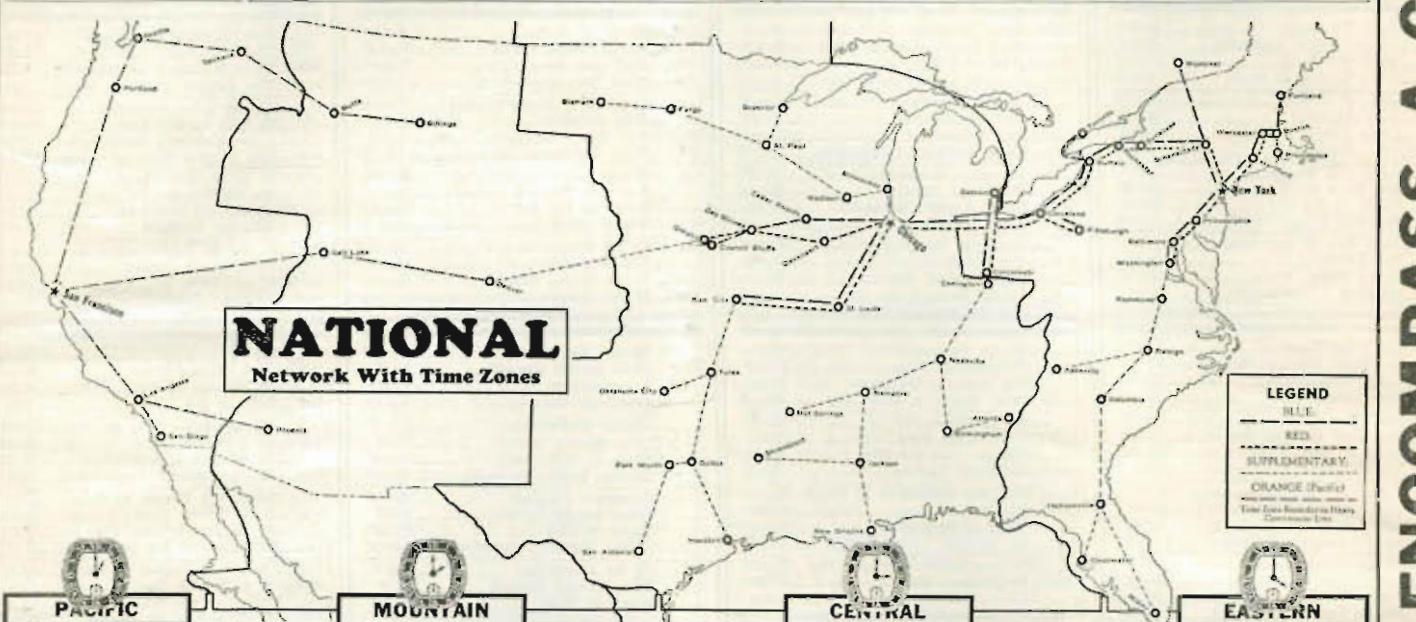
An overwhelming majority of interest in radio entertainment generally, is of course in the so-called network programs, which may be produced anywhere, but generally are released from key station studios in New York or Chicago. Thus, from one small studio, a single broadcast is heard by countless millions, in many different time zones. While the program is produced and heard at a given time in New York, it is heard simultaneously in San Francisco, yet some three hours earlier as far as clock reading goes.

The time zone map of the networks on these pages, make clear why programs are received at various hours in different time zones, and also makes clear the zone location of any station from which the program may be coming. The com-

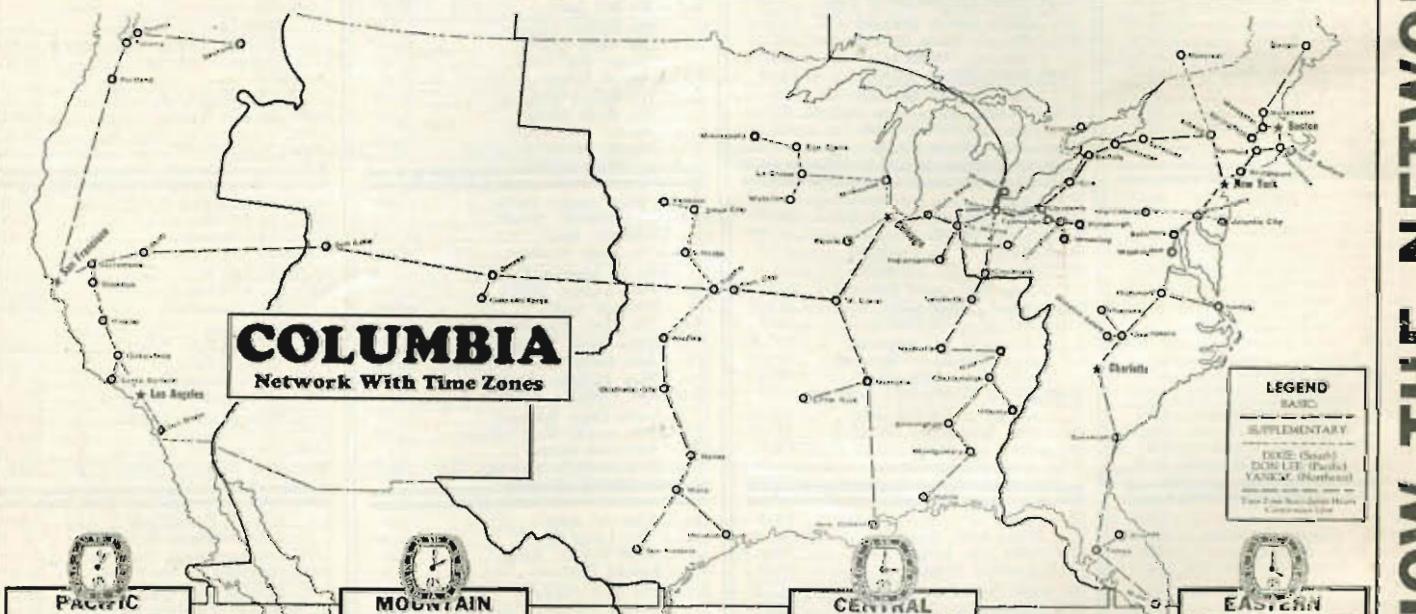
plete station list of each chain is given, from which may be dialed the nearest station of the chain from which the program is desired. It should be remembered, however, that member stations do not take every release; if one does not carry the program you desire, try another.

One condition in broadcasting incident to many popular programs is very confusing to the average listener—split networks. Annex 'A' Andy is one of these. In this particular case Eastern listeners complained that the program was on the air too late; at the same time Pacific coast listeners complained that it was coming too early. Thus it became necessary to broadcast the program at a suitable time for the Eastern part of the country and to re-broadcast it later for Western listeners.

Both National and Columbia maintain separate Pacific Coast networks. On account of the great distance and consequent difference in time, these stations operate several hours after Eastern stations have closed down for the night.



This is the complete network of the National Broadcasting Company. It will be noticed the Blue and Red chains run parallel. The Orange chain spans the Pacific Coast, and this circuit, when not producing its own programs, takes either the Blue or Red releases, as does the intervening supplementary networks.



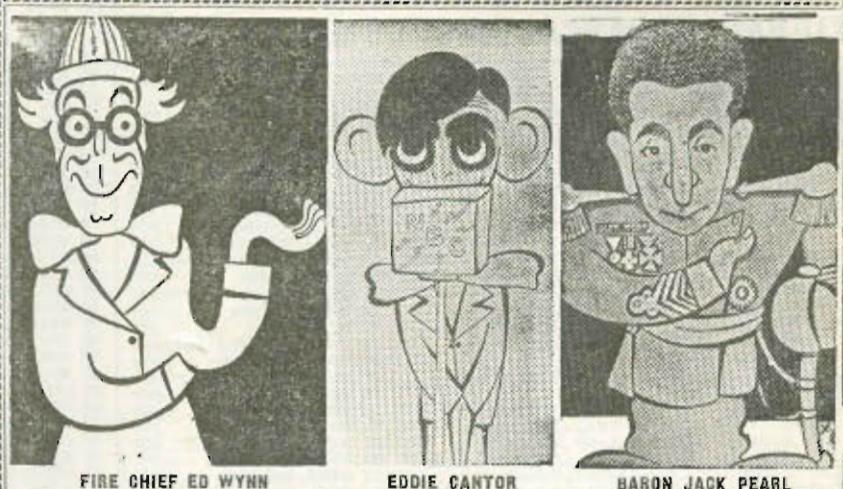
The Columbia is a single network system consisting of basic and supplementary chains; also three distinct subsidiary units: the Don Lee on the Pacific Coast, the Dixie in the South and the Yankee in New England. Each of these produce a part of their own programs.

This is a complete list of all chain stations in North America. The three transcontinental networks are presented below, with the auxiliary chains of both NBC and CBS. At the right all stations are arranged in numerical order by kilocycles, with an abbreviation showing chain affiliation.

NATIONAL BROADCASTING COMPANY (91)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
Blue (21)															
Key Station, WJZ, New York															
55 KFVR, Philadelphia															
55 KSD, St. Louis															
55 WLIT, Buffalo															
55 WKRC, Cincinnati															
55 WQAM, Miami															
56 WLIT, Philadelphia															
56 WFJ, Philadelphia															
56 KLZ, Denver															
57 WMAX, Yankton															
57 WKFR, Youngstown															
57 KVII, Tacoma															
57 WSYR, Syracuse															
57 WWNC, Asheville															
58 WMAQ, Chicago															
58 WLW, Cincinnati															
58 WJW, Detroit															
58 WOZ, Des Moines															
58 WZB, Fort Wayne															
59 WENR, Chicago															
59 WRC, Washington															
59 WZB, Boston															
59 WZB, Baltimore															
59 WZB, Milwaukee															
59 WZB, Atlanta															
59 WZB, Salt Lake															
59 WZB, Indianapolis															
60 WZB, Birmingham															
60 WZB, Portland															
60 WZB, Los Angeles															
60 WZB, San Francisco															
61 WZB, Denver															
61 WZB, Salt Lake															
61 WZB, Sacramento															
61 WZB, Minneapolis															
61 WZB, Chicago															
61 WZB, New York															
62 WZB, Philadelphia															
62 WZB, Pittsburgh															
62 WZB, Cleveland															

This Shows You How



What was it the poet said about seeing ourselves as others see us; anyhow these pictures should be of interest to some of the first people of radio, for here they are pictured as seen through the eyes of Xavier Cugat, who just can't resist the temptation to set down his impressions of people, friends and otherwise, with whom he comes in contact. This Xavier person, as a matter of fact, is some shucks as a caricaturist, the only reason that he is not world famous as such,

GEORGE GERSHWIN
AL JOLSON

CAPTAIN HENRY (Winniger).

BEN BERNIE

WILL ROGERS

evidently being that he is an even better musician. When Xavier strolled into the NBC press room one day with his little collection of ruminations in art, the news hawks swallowed both hook and sinker and lost no time in passing on to the radio fans his efforts, without waiting to see what Mr. Cantor, the Old Maestro, the Fire Chief, the Baron, and the others, thought or did not think of this form of art. As to Xavier, he is said to be torn between two loves—his bow and his pen.

[Steady There, Claire]



ANN LEAF is the diminutive Miss who does the piping organing in one of New York's largest playhouses and over the Columbia network Saturday nights, with Brad Reynolds, tenor. Notice the resemblance between this picture and that of Miss Lang at the right



Several pretty young women, staff members of Columbia, were energetically re-arranging the decorations of one of the studios, but lost their pep when it was necessary to climb a stepladder—all except Claire Willis.



LEFT Jack, Whiting, a musical comedy baritone and Right Jack, Denny, the dance band impresario. In the center is Miss Jeanie Lang, personality singer, and the three are teaming up on a Columbia program, "Marvelous Melodies," heard each Friday evening.



Frances Langford, Florida's Deep-Voiced Blues Singer
Lanny Ross Seems Pleased With His Hollywood Home



WILL ROGERS



Marjorie (Blond) Briggs, Dottie (Brunette) Hill and
Betty (Auburn) Noyes of Ted Fio Rito's Old Gold Cast



Ginger Rogers, George Gershwin and Ethel Merman
Henrietta Schumann, Youthful Russian Concert Pianist



UNITED STATES (583)

City	Call	Channel
Louisiana (11)		
Baton Rouge	WJBO	142
Monroe	KMLB	120
New Orleans	WWL	85
WBXX	120	
WJBW	120	
WDSU	125	
WSMB	132	
Shreveport	KWKK	85
KWEA	121	
KRMD	131	
KTBS	145	
Georgia (12)		
Athens	WTFL	145
Atlanta	WSB	74
WGST	89	
WTJL	137	
WENG	142	
Maine (5)		
Augusta	WRDO	137
Bangor	WLBD	62
WABI	120	
Portland	WGSH	94
Presque Isle	WAGM	142
Alaska (3)		
Anchorage	KFQD	60
Juneau	KIFH	131
Ketchikan	KGBU	90
Arizona (8)		
Jerome	KCRJ	131
Lowell	KSUN	120
Phoenix	KTAR	62
KOY	139	
Prescott	KPJM	150
Tucson	KVOA	126
KGAR	137	
Yuma	KUMA	142
Arkansas (10)		
Blytheville	KLCN	129
Elkhart	WTRE	131
Evansville	WGBF	63
Ft. Wayne	WOWO	116
Hot Springs	KTHS	104
Jonesboro	KBTM	120
Little Rock	KARK	89
KGHI	120	
KLRA	139	
Pine Bluff	KOTN	150
Texarkana	KCMC	142
California (43)		
Bakersfield	KERN	137
Berkeley	KRE	137
Beverly Hills	KMPC	71
Burbank	KELW	78
El Centro	KXO	150
Eureka	KIEM	121
Fresno	KMJJ	58
Glendale	KIEV	85
Hollywood	KFWB	95
Long Beach	KFOX	125
KGER	136	
Illinois (31)		
Carthage	WCAC	107
Chicago	WMAQ	67
KFI	72	
KTM	78	
KHJ	90	
KFVD	100	
KNX	105	
KFSG	112	
KRKD	112	
KGFJ	120	
KFAC	130	
KECA	143	
Modesto	KTRB	74
Oakland	KTAB	56
KLX	88	
KROW	93	
KLS	144	
Pasadena	KPPC	121
Sacramento	KFBK	131
San Bern'do	KFXM	121
San Diego	KFSD	60
KGB	133	
San Francisco	KFRC	61
KPD	68	
KGO	79	
KJBS	107	
KYA	123	
KGCC	142	
San Jose	KQW	101
Santa Ana	KREG	150
Santa Barbara	KDB	150
Stockton	KGDM	110
KWG	120	
Colorado (12)		
Alamosa	KGIW	142
Colo. Springs	KVOR	127
Denver	KLZ	56
KDA	83	
KPOF	88	
KFEL	92	
KFJK	92	
Grand Junction	KFXJ	120
Greeley	KFKA	88
Laram.	KIOW	142
Pueblo	KGHF	132
Yuma	KGEA	120
Conn'ctic't (5)		
Bridgeport	WICC	60
Hartford	WTIC	136
WORC	133	
Storrs	WCAC	60
Watertown	WATR	119
Delaware (2)		
Wilmington	WDEL	112
WILM	142	
Florida (9)		
Clewiston	WFLA	62
Bainesville	WRUF	83
Jacksonville	WJAX	90
WMR	137	
Miami	WQAM	56
WIO	130	
Orlando	WDOB	58
Pensacola	WCOA	134
Tampa	WDAE	122
Kentucky (5)		
Covington	WKY	149
Louisville	WHAS	82
WAVE	94	
Nebraska (10)		
Omaha	KSAC	58
Toprka	WIBW	58
Wilberforce	KFH	130
Montana (6)		
Billings	KGHL	95
Butte	KGIR	136
Dodge City	KGNO	134
Kansas City	WLBF	142
Lawrence	KFKU	122
WREN	122	
Florida (9)		
Clewiston	WFLA	62
Bainesville	WRUF	83
Jacksonville	WJAX	90
WMR	137	
Miami	WQAM	56
WIO	130	
Orlando	WDOB	58
Pensacola	WCOA	134
Tampa	WDAE	122
Kentucky (5)		
Covington	WKY	149
Louisville	WHAS	82
WAVE	94	
Oregon (13)		
Portland	WBC	120
New York	WMCA	57
Omaha	WOW	59
Lexington	WLAP	142
Paducah	WPAD	142
WAAB	66	
Nebraska (10)		
Clay Center	KMMJ	74
Kearney	KGFW	131
Lincoln	KFAB	77
KFOR	121	
Frederick	WGBB	121
Holiday Falls	WGCL	137
Pawnee City	WGLC	143
WENR	137	
WBBK	148	
WCBT	122	
WCFB	122	
WFBK	122	
WFBT	122	
WFBW	122	
WFBX	122	
WFBY	122	
WFBZ	122	
WFBF	122	
WFBG	122	
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WFBP	122	
WFBT	122	
WFBY	122	
WFBZ	122	
WFBF	122	
WFBG	122	
WFBH	122	
WFBK	122	
WFBM	122	
WFBN	122	
WFBP	122	

150 U.S. Local Channel	KREG-KDB Santa Ana, (100)...Santa Barbara WBHQ-WCNW-WWRL Brooklyn, Brooklyn, Woodside, 100	60 U.S.-Canada Shared	KFSD San Diego, Calif., 1000	70 U.S. Cleared Channel	WLW CINCINNATI, 50,000	80 U.S. Cleared Channel	WBAP-WFAA Fort Worth—50,000—Dallas	90 U.S. Regional Chan.	KHJ Los Angeles, 1000	100 U.S. Cleared Channel	WOC-WHO DES MOINES, 50,000	110 U.S. Cleared Channel	WLWL-WPG New York—5,000—Atlantic City	120 U.S. Local Channel	WBHS-WFBC Huntsville, (100)...Greenville, S. C. WJBC-WJBL La Salle, Ill., (100)...Decatur III.	130 U.S. Regional Chan.	WOQ-KFH Kansas City, (100)...Wichita WIO—Miami, Fla., 1000	140 U.S. Regional Chan.	KLO Ogden, Utah, 500
151 Canadian Channel	CFRC-CKCR Kingston, Ont., (100)...Kitchener	61 U.S. Regional Chan.	KFRC San Francisco, 1000	71 U.S. Cleared Channel	WOR NEWARK, 50,000	81 U.S. Cleared Channel	WCCO MINNEAPOLIS, 50,000	91 Canadian Channel	KRJM Moose Jaw, Sask., 1000	101 U.S.-Canada Shared	KQW San Jose, Calif., 500	111 U.S. Cleared Channel	WRVA RICHMOND, 5000	121 U.S. Local Channel	WCRW-WEDC-WSBC Chicago, 100	131 U.S. Local Channel	WJAC-WFBG Johnstown, (100)...Altoona	141 U.S.-Canada Shared	WBBC-WLW-TVFW-WARD Brooklyn, 500
62 U.S. Regional Chan.	KGW Portland, Ore., 1000	62 U.S. Regional Chan.	WFLA—Clearwater, 1000	72 U.S. Cleared Channel	WGN CHICAGO, 50,000	82 U.S. Cleared Channel	WHAS LOUISVILLE, 50,000	92 U.S.-Canada Shared	WWJ—Detroit, 1000	102 U.S. Cleared Channel	KYW PHILADELPHIA, 10,000	112 U.S.-Canada Shared	CKOC Hamilton, Ont., 500	122 U.S. Regional Chan.	WREN-KFKU Akron, Ohio, 1000	132 U.S. Cleared Channel	WADC Alton, Ill., 1000	142 U.S. Local Channel	WEHS-WKBI-WHFC Chicago, 100
63 U.S.-Canada Shared	CJGX—Yorkton, 500	63 U.S.-Canada Shared	XEZ—Merida, 500	73 Canadian Channel	CKAC MONTREAL, 5000	83 U.S. Cleared Channel	KOA DENVER, 50,000	93 U.S.-Canada Shared	KMA-KGBZ Shenandoah, Ia., (500)...York, Pa.	103 Canadian Channel	CFCN Calgary, 10,000	113 U.S. Cleared Channel	KSL SALT LAKE CITY, 50,000	123 U.S. Regional Chan.	KYA San Francisco, 1000	133 U.S. Regional Chan.	KSCJ-WTAQ Sioux City, (100)...Eau Claire	143 U.S. Regional Chan.	KECA Los Angeles, 1000
64 U.S. Cleared Channel	KFI LOS ANGELES, 50,000	64 U.S. Cleared Channel	WSB ATLANTA, 50,000	74 Canadian Channel	CKLW Windsor, Ont., 5000	84 Canadian Channel	XEFO-XFO Mexico City, 5000	94 U.S. Regional Chan.	XEB Mexico City, 10,000	104 U.S. Cleared Channel	KTHS-KRLD Hot Springs—10,000—Dallas	114 U.S. Cleared Channel	WAPI-KV00 Birmingham, 5,000; Tulsa, 25,000	124 U.S. Regional Chan.	KTAT—Fort Worth, 1000	134 U.S. Regional Chan.	KFPY Spokane, 1000	144 U.S. Regional Chan.	KDFN Casper, Wyo., 500
65 U.S. Cleared Channel	WSM NASHVILLE, 50,000	65 U.S. Cleared Channel	WJR DETROIT, 10,000	75 U.S. Cleared Channel	KWKH-WWL Shreveport—10,000—New Orleans	85 U.S. Cleared Channel	95 U.S.-Canada Shared	105 U.S. Cleared Channel	KNX LOS ANGELES, 50,000	115 U.S. Cleared Channel	WNEW-WCCP Newark, 1000	125 U.S. Regional Chan.	KWK St. Louis, 1000	135 U.S. Regional Chan.	KWKB Cleveland, Ohio, 500	145 U.S. Regional Chan.	KTBS Shreveport, 1000		
66 U.S. Cleared Channel	WEAF NEW YORK, 50,000	66 U.S. Cleared Channel	WJZ NEW YORK, 50,000	76 U.S. Cleared Channel	WABC NEW YORK, 50,000	86 U.S. Cleared Channel	CRCT Toronto, 5000	96 Canadian Channel	106 U.S. Cleared Channel	WWVA-WOWO BALTIMORE, 10,000 and HARTFORD, 50,000	116 U.S. Cleared Channel	KVOA—Tucson, 500	126 U.S. Regional Chan.	WFB Long Beach, Calif., 1000	136 U.S. Regional Chan.	KGER Long Beach, Calif., 1000	146 U.S. Regional Chan.	WJSV-KSTP Washington, (10,000)...St. Paul	
67 U.S. Cleared Channel	WMAQ CHICAGO, 5,000	67 U.S. Cleared Channel	WBBM-KFAB Chicago—25,000—Lincoln	77 U.S. Cleared Channel	WLS-WENR CHICAGO, 50,000	87 U.S. Cleared Channel	KJR SEATTLE, 5,000	97 U.S. Cleared Channel	107 U.S. Cleared Channel	WTAM CLEVELAND, 50,000	117 U.S. Cleared Channel	WCAU PHILADELPHIA, 50,000	127 U.S. Cleared Channel	KOL Seattle, 1000	137 U.S. Local Channel	KVL-KFBL Seattle, 100; Everett, 50	147 U.S. Regional Chan.	KGA Spokane, Wash., 5000	
68 U.S.-Canada Shared	KPO SAN FRANCISCO, 50,000	68 U.S.-Canada Shared	CMCQ Havana, 1000	78 U.S.-Canada Shared	CRCO—Ottawa, Ont., 1000	88 U.S.-Canada Shared	KDKA PITTSBURGH, 50,000	98 U.S. Cleared Channel	108 U.S. Cleared Channel	WBT CHARLOTTE, N. C., 50,000	118 U.S. Cleared Channel	KEX-KOB Portlnd, 5000; Albq'reque, 10,000	128 U.S. Regional Chan.	WDOD Chattanooga, 1000	138 U.S. Regional Chan.	WKBH LaCrosse, 1000	148 U.S. Regional Chan.	WKBW Buffalo, 5000	
69 Canadian Channel	CFRB TORONTO, Ont., 10,000	69 Canadian Channel	WJAR Providence, R. I., 500	79 U.S.-Canada Shared	WGY-KGO SCHENECTADY, 50,000 and SAN FRANCISCO, 7,500	89 U.S.-Canada Shared	WBZ-WBZA BOSTON, 50,000	99 U.S. Cleared Channel	109 U.S. Cleared Channel	WBT CHARLOTTE, N. C., 50,000	119 U.S. Cleared Channel	KMOX ST. LOUIS, 50,000	129 U.S. Regional Chan.	KDYL Salt Lake City, 1000	139 U.S. Regional Chan.	KRLA Little Rock, 1000	149 U.S. Regional Chan.	WCKY Covington, Ky., 5000	
59 U.S. Regional Chan.	XEPN Piedras Negras, Mexico, 50,000	59 U.S. Regional Chan.	CMW—Havana, 1400	70 Canadian Channel	KPFO-KUSD-WILL Shenandoah, Vermilion, Urbna, 500	80 Canadian Channel	KARK—Little Rock, Ark., 250	90 Canadian Channel	100 Canadian Channel	WBT CHARLOTTE, N. C., 50,000	110 Canadian Channel	WCAI—Mexico City, Mex., 100	120 Canadian Channel	WJAS—Pittsburgh, 1000	130 Canadian Channel	WHK Cleveland, 1000	140 Canadian Channel	KOMA Oklahoma City, 5000	
59 U.S. Regional Chan.	KHQ—Spokane, 1,000	59 U.S. Regional Chan.	WEEL—Boston, 1,000	71 Canadian Channel	WMMN—Fairmont, W. Va., 250	81 Canadian Channel	WGST—Atlanta, Ga., 250	91 Canadian Channel	101 Canadian Channel	WCAI—Mexico City, Mex., 100	111 Canadian Channel	WCAI—Mexico City, Mex., 100	121 Canadian Channel	WEB—Superior, 1000	131 Canadian Channel	KOY Phoenix, Ariz., 500	141 Canadian Channel	WKBW Buffalo, 5000	
59 U.S. Regional Chan.	WKZO—K'lmaz, 1,000	59 U.S. Regional Chan.	WOW—Omaha, 1,000	72 Canadian Channel	KTGP—San Jose, Costa Rica, 75	82 Canadian Channel	XETU—Pachuca, Mexico, 100	92 Canadian Channel	102 Canadian Channel	WCAI—Mexico City, Mex., 100	112 Canadian Channel	WCAI—Mexico City, Mex., 100	122 Canadian Channel	WTAS—Decatur, 1000	132 Canadian Channel	KJUL—Tulsa, Oklahoma, 250	142 Canadian Channel	KOMA Oklahoma City, 5000	
59 U.S. Regional Chan.	XET—Monterrey, Mexico, 500	59 U.S. Regional Chan.	CMCF—Calgary, Alta., 100	73 Canadian Channel	KTM-KELW Le Angeles, California, 1000; Detroit, Ontario	83 Canadian Channel	XETU—Pachuca, Mexico, 100	93 Canadian Channel	103 Canadian Channel	WCAI—Mexico City, Mex., 100	113 Canadian Channel	WCAI—Mexico City, Mex., 100	123 Canadian Channel	WTAS—Decatur, 1000	133 Canadian Channel	KJUL—Tulsa, Oklahoma, 250	143 Canadian Channel	WKBW Buffalo, 5000	

CALL (City, Owner, Power) CHANNEL

CFAC Calgary, Alta. (100) **93**
CFBO The Calgary Herald
CFCF St. John, N. B. (100) **121**
CFCF C. A. Muaro, Ltd.
CFCH Montreal, Que. (500) **60**
CFCH Canadian Marconi Co.
CFCN North Bay, Ont. (100) **93**
CFCN Northern Supplies, Ltd.

CFCN Calgary, Alta. (10,000) **103**
CFCN W. W. Grant & H. G. Love

CFCO Chatham, Ont. (50) **60**
CFCO John Beardall

CFCT Victoria, B. C. (50) **145**
CFCT Victoria Broadcasting Assn.

CFCY Charlottetown, PEI (500) **63**
CFCY Island Radio Brdg. Co.

CFJC Kamloops, B. C. (100) **131**
CFJC Review Publishing Co., Ltd.

CFLC Prescott, Ont. (100) **93**
CFLC Radio Assn. of Prescott

CFNB Fredericton, N. B. (500) **103**
CFNB James S. Neill & Sons, Ltd.

CFPL London, Ont. (100) **73**
CFPL London Free Press

CFQC Saskatoon, Sask. (500) **123**
CFQC The Electric Shop, Ltd.

CFRB Toronto, Ont. (10,000) **69**
CFRB Rogers-Majestic Corp., Ltd.

CFRC Kingston, Ont. (100) **151**
CFRC Queen's University

CFTP Edmonton, Alta. (100) **112**
CFTP Taylor & Pearson, Ltd.

CHAB Moose Jaw, Sask. (100) **120**
CHAB Moose Jaw Radio Assn.

CHCK Charlottetown, PEI (50) **131**
CHCK W. E. Burke and J. A. Gesner

CHCS Summerside, PEI (50) **112**
CHCS R. T. Holman, Ltd.

CHLP Montreal, Que. (100) **112**
CHLP La Patrie Pub. Co., Ltd.

CHML Hamilton, Ont. (50) **101**
CHML Maple Leaf Radio Co., Ltd.

CHNC New Carlisle, Que. (100) **121**
CHNC Dr. Charles Houde

CHNS Halifax, N. S. (500) **105**
CHNS Maritime Broadcasting Co.

CHPR St. John, N. B. (100) **137**
CHPR H. P. Robinson

CHRC Quebec, Que. (100) **93**
CHRC CHRC Limited

CHWC Regina, Sask. (500) **101**
CHWC R. H. Williams & Sons, Ltd.

CHWK Chilliwack, B. C. (100) **78**
CHWK Chilliwack, B. C.

CJAT Trail, B. C. (50) **120**
CJAT Trail Amateur Radio Ass'n

CJCA Edmonton, Alta. (1000) **73**
CJCA The Edmonton Journal, Ltd.

CJCB Sydney, N. S. (50) **88**
CJCB N. Nathanson

CJcj Calgary, Alta. (100) **69**
CJcj The Alberta Pub. Co., Ltd.

CJCS Sudbury, Ont. (500) **78**
CJCS Geo. McLeod Coates

CJcx Yorkton, Sask. (500) **63**
CJcx The Winnipeg Grain Ex.

CJKL Kirkland Lk, Ont. (100) **131**
CJKL O. J. Thorpe & Branchaud

CJLS Yarmouth, N. S. (100) **131**
CJLS Laurie & Smith

CJOC Lethbridge, Alta. (100) **84**
CJOC Harold R. Carson

CJOR Vancouver, B. C. (500) **60**
CJOR G. C. Chandler

CJRC Middleb'ch, Man. (100) **139**
CJRC Jas. Richardson & Sons

CJRM Moose Jaw, Sask. (1000) **54**
CJRM C. Richardson & Sons Ltd.

CKAC Montreal, Que. (5000) **73**
CKAC LaPresse Pub. Co., Ltd.

CKBI Prince Albert, Sask. (100) **121**
CKBI Prince Albert Radio Club

CKCD Vancouver, B. C. (100) **101**
CKCD Vancouver Daily Province

CKCH Hull, Que. (100) **121**
CKCH Dr. J. L. Chabot

CKCK Regina, Sask. (500) **101**
CKCK Leader-Pest, Limited

CKCL Toronto, Ont. (100) **58**
CKCL The Dominion Battery Co.

CKCO Ottawa, Ont. (100) **101**
CKCO Dr. G. M. Geldert

CKCR Kitchener, Ont. (100) **151**
CKCR Mitchell and Liddle

CKCV Quebec, Que. (50) **131**
CKCV Vandry, Inc.

CKFC Vancouver, B. C. (50) **141**
CKFC United Church of Canada

CKCB Timmins, Ont. (100) **142**
CKCB R. H. Thompson

CKIC Wolfville, N. S. (50) **101**
CKIC Acadia University

CKLW Windsor, Ont. (5000) **84**
CKLW Western Ontario Brd. Co.

CKMC Cobalt, Ont. (50) **121**
CKMC R. L. MacAdam

CKMO Vancouver, B. C. (100) **141**
CKMO Spratt-Shaw Radio Co.

PAGE [22] — Radio Log and Lore — APRIL**ALPHABETICAL CALL LIST**

CALL (City, Owner, Power) CHANNEL

CKNC Toronto, Ont. (100) **103**
CKNC Canadian Natl. Carbon Co.

CKOC Hamilton, Ont. (500) **112**
CKOC Wentworth Brd. Co. Ltd.

CKOV Kelowna, B. C. (50) **121**
CKOV J. W. B. Brown

CKPC Brantford, Ont. (100) **93**
CKPC Cyrus Dolph

CKPR Fort William, Ont. (50) **78**
CKPR Dougall Motor Car Co. Ltd.

CKTB St. Catharines, Ont. (100) **120**
CKTB E. T. Sandell

CKUA Edmonton, Alta. (500) **58**
CKUA University of Alberta

CKWX Vancouver, B. C. (100) **101**
CKWX Western Broadcasting Co.

CKX Brandon, Man. (500) **145**
CKX Manitoba Telephone System

CKY Winnipeg, Man. (5000) **91**
CKY Manitoba Tele. System

CMAB Pinar del Rio, Cuba (20) **125**
CMAB Jose Silveira

CMAE Havana, Cuba (1000) **68**
CMAE Int. Broadcasting Co.

CMBC Havana, Cuba (150) **127**
CMBC Domingo Fernandez Cruz

CMBD Havana, Cuba (250) **97**
CMBD Luis Perez Garcia

CMBG Havana, Cuba (25) **107**
CMBG John L. Stowers

CMBJ Havana, Cuba (150) **114**
CMBJ Emilio Perera

CMBK Havana, Cuba (15) **148**
CMBK Alberto Alvarez

CMBL Havana, Cuba (200) **145**
CMBL Julio C. Hidalgo

CMBY Havana, Cuba (250) **123**
CMBY Callejas-Estefani

CMBN Havana, Cuba (150) **101**
CMBN Manuel y Guillermo Salas

CMBR Havana, Cuba (200) **110**
CMBR Tomas Basail

CMBS Havana, Cuba (600) **150**
CMBS Alvarez-Morla

CMBW Havana, Cuba (600) **150**
CMBW Alvarez-Morla

CMBY Havana, Cuba (250) **123**
CMBY Callejas-Estefani

CMCZ Havana, Cuba (500) **101**
CMCZ Antonio Gutierrez

CMCJ Havana, Cuba (400) **119**
CMCJ Rafael Rodriguez

CMCM Havana, Cuba (15) **141**
CMCM Aurelio Balino

CMCN Havana, Cuba (250) **138**
CMCN Antonio Girard

CMCP Havana, Cuba (150) **127**
CMCP Jose A. Yanez

CMCQ Havana, Cuba (1000) **78**
CMCQ Andres Martinez

CMCD Havana, Cuba (250) **107**
CMCD Antonie Capablanca

CMCD Havana, Cuba (250) **114**
CMCD Angel Bartomay

CMCF Havana, Cuba (150) **89**
CMCF Raoul Karman

CMCH Havana, Cuba (50) **141**
CMCH Wilfredo Fonsalas

CMCI Havana, Cuba (15) **119**
CMCI Rafael Rodriguez

CMCM Havana, Cuba (15) **141**
CMCM Aurelio Balino

CMCN Havana, Cuba (250) **138**
CMCN Antonio Girard

CMCP Havana, Cuba (150) **127**
CMCP Jose A. Yanez

CMCQ Havana, Cuba (1000) **78**
CMCQ Andres Martinez

CMCR Havana, Cuba (150) **138**
CMCR Aurote Hernandez

CMCU Havana, Cuba (500) **63**
CMCU Jorge Garcia Serra

CMCW Havana, Cuba (150) **97**
CMCW Vilarino y Cervantes

CMCY Havana, Cuba (500) **132**
CMCY M. D. Autran

CMDE Havana, Cuba (150) **93**
CMDE Radio Aerial, Ad.

CMGA Coimbra, Portugal (100) **83**
CMGA Leopoldo V. Figueiras

CMGC Matanzas, Cuba (30) **137**
CMGC Enid Radiophone Co.

CMCB Matanzas, Cuba (30) **121**
CMCB Jon Aroaga

CMCC Matanzas, Cuba (30) **82**
CMCC Oscar S. Methose

CMCE Cardenas, Cuba (30) **138**
CMCE Genaro Sabater

CMCF Matanzas, Cuba (100) **99**
CMCF Bernabe R. de la Torre

CMCF Matanzas, Cuba (15) **104**

CALL	(City, Owner, Power)	CHANNEL
WBBL	Richmond, Va. (100) Grace Cov. Pres. Church	121
WBBM	Chicago, Ill. (25,000) WBBM Broadcasting Corp.	77
WBBR	Brooklyn, N.Y. (1000) Peoples Pulpit Assn.	136
WBBX	New Orleans, La. (100) Samuel D. Reeks	120
WBBZ	Ponca City, Okla. (100) James F. Kyler	120
WBCM	Bay City, Mich. (500) James E. Davidson	141
WBEN	Buffalo, N.Y. (1000) WBEN, Incorporated	90
WBEO	Muskegon, Mich. (100) Lake Superior Brd. Co	131
WBHS	Huntsville, Ala. (100) The Hutchins Co.	120
WBIG	Greensboro, N.C. (500) North Carolina Brd. Co., Inc.	144
WBNS	Columbus, Ohio (500) WBNS, Inc.	143
WBNX	New York, N.Y. (250) Standard Cabbil Co., Inc.	135
WBOW	Terry, Haute, Ind. (100) Banks of Wabash, Inc.	131
WBRC	Birmingham, Ala. (500) Birmingham Brd. Co.	93
WBRE	Wilkes-Barre, Pa. (100) Louis G. Baltimore	131
WBSO	Needham, Mass. (500) Brd. Service, Organ, Inc.	92
WBT	Charlotte, N.C. (50,000) Station WBT, Inc.	108
WBTM	Danville, Va. (100) Piedmont Brd. Corp.	137
WBZ	Boston, Mass. (50,000) Westinghouse Electric	39
WCAC	Storrs, Conn. (500) Connecticut State College	60
WCAD	Canton, N.Y. (500) St. Lawrence University	122
WCAE	Pittsburgh, Pa. (1000) WCAE, Incorporated	122
WCAL	Northfield, Minn. (1000) St. Olaf College	125
WCAM	Camden, N.J. (500) City of Camden	128
WCAO	Baltimore, Md. (500) Monumental Radio Co.	60
WCAP	Ashbury Park, N.J. (500) Radio Industries Brd. Co.	128
WCAT	Rapid City, S.D. (100) S.D. State School of Mines	120
WCAU	Philadelphia (50,000) WCAU Broadcasting Co.	117
WCAX	Burlington, Vt. (100) Burlington Daily News, Inc.	120
WCAZ	Carthage, Ill. (100) Superior Brd. Service, Inc.	107
WCBA	Allentown, Penna. (250) B. Bryan Musselman	144
WCBD	Zion, Ill. (5000) Wilbur Glenn Voliva	108
WCBM	Baltimore, Md. (100) Baltimore Brd. Corp.	137
WCBS	Springfield, Ill. (100) WCBS, Inc.	121
WCCO	Minneapolis (50,000) Northwestern Brd., Inc.	81
WCFL	Chicago, Ill. (5000) Chicago Federation of Labor	97
WCHS	Charleston, W.Va. (250) WOBO, Inc.	58
WCKY	Covington, Ky. (5000) L. B. Wilcox, Inc.	149
WCLO	Janesville, Wis. (100) WCLO Radio Corporation	120
WCLS	Joliet, Ill. (100) WCLS, Inc.	131
WCNW	Brooklyn, N.Y. (100) Arthur Fiske	150
WCOA	Pensacola, Fla. (500) Pensacola Brd. Co.	134
WCOC	Meridian, Miss. (5000) Birssianis Brd. Co.	88
WCRW	Chicana, Ill. (1000) Clinton R. White	121
WCSC	Charleston, S.C. (500) South Carolina Brd. Co., Inc.	136
WCSH	Portland, Maine (1000) Congress Square Hotel Co.	94
WDAE	Tampa, Fla. (1000) Tampa Times Co.	122
WDAF	Kansas City, Mo. (1000) Kansas City Star Co.	61
WDAG	Amarillo, Texas (1000) Nat. Radio and Brd. Co.	141
WDAB	El Paso, Texas (1000) Tri-State Brd. Co.	131
WDAS	Philadelphia, Pa. (100) WDAS Broadcast Station	137
WDAY	Fargo, N.D. (1000) WDAY, Inc.	94
WDBJ	Roanoke, Va. (500) Times-World Corp.	58
WDBO	Orlando, Fla. (250) Orlando Brd. Co., Inc.	112

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ALPHABETICAL CALL LIST

CALL	(City, Owner, Power)	CHANNEL	CALL	(City, Owner, Power)	CHANNEL
WDEL	Wilmington, Del. (200) WDEL, Inc.	112	WGL	Fort Wayne, Ind. (100) Fred C. Zeig	137
WDEV	Waterbury, Vt. (500) Harry G. Whitehill	55	WCLC	Hudson Falls, N.Y. (100) O.T. Griffen; G. F. Bissell	137
WDCY	Minneapolis, Minn. (1000) Dr. Geo. W. Young	118	WGN	Chicago, Ill. (50,000) WGN, Incorporated	72
WDOD	Chattanooga, Tenn. (1000) WDOD Broadcasting Corp.	128	WGNY	Chester Twp., N.Y. (100) Peter Golet	121
WDRC	Hartford, Conn. (1000) WDRC, Incorporated	133	WGR	Buffalo, N. Y. (1000) Buffalo Brd. Corp.	55
WDSU	New Orleans, La. (1000) Joseph H. Uhalt	125	WGST	Atlanta, Ga. (250) Gearna School of Tech.	89
WDZ	Tuscola, Ill. (100) James L. Bush	107	WCY	Schenectady, N.Y. (50,000) National Broadcasting Co.	79
WEAF	New York, N.Y. (50,000) National Brd. Co., Inc.	66	WHA	Madison, Wis. (1000) University of Wisconsin	94
WEAN	Providence, R. I. (500) Shepard Brd. Service	78	WHAD	Milwaukee, Wis. (250) Marquette University	112
WEBG	Superior, Wis. (1000) Head of the Lakes Brd. Co.	129	WHAM	Rochester, N.Y. (50,000) Stromberg-Carlson Co.	115
WEBQ	Harrisburg, Ill. (100) Harrisburg Brd. Co.	121	WHAS	Louisville, Ky. (50,000) Courier-Journal & Times	82
WEBR	Buffalo, N. Y. (100) Howell Brd. Co., Inc.	131	WHAT	Philadelphia, Pa. (100) Independence Brd. Co.	131
WEDC	Chicago, Ill. (100) Emil Denemark, Inc.	121	WHAZ	Troy, N.Y. (500) Rensselaer Poly. Inst.	130
WEED	Greenville, N. C. (100) Wm. Avera Wynne	142	WHB	Kansas City, Mo. (500) WHB Broadcasting Co.	86
WEI	Boston, Mass. (1000) Edison Elec. Illum. Co.	59	WHBC	Canton, Ohio (100) Edward P. Graham	120
WEU	Reading, Pa. (1000) Berks Broadcasting Co.	83	WHBD	Mt. Orab, Ohio (100) Southern Ohio Brd. Corp.	137
WEHC	Charlottesville, Va. (500) Community Brd. Corp.	135	WHBF	Rock Island, Ill. (100) Rock Island Brd. Co., Inc.	121
WEHS	Chicago, Ill. (100) WEHS, Inc.	142	WHBL	Sheboygan, Wis. (500) Press Publishing Co.	141
WELL	Battle Creek, Mich. (50) Enquirer-News Co.	142	WHBQ	Memphis, Tenn. (100) Brd. Station WHBQ, Inc.	137
WENC	Albany, Ga. (100) American Brd. Corp.	142	WHBU	Anderson, Ind. (100) Anderson Brd. Corp.	121
WENR	Chicago, Ill. (50,000) National Brd. Co., Inc.	87	WHBY	Green Bay, Wis. (100) WHBY, Inc.	120
WESG	Elmira, N. Y. (1000) Cornell University	104	WHDF	Calumet, Mich. (100) Upper Mich. Brd. Corp.	137
WEVD	New York, N.Y. (1000) Debs Memorial Radio Fund	130	WHDH	Boston, Mass. (1000) Natheson Radio Co., Inc.	83
WEW	St. Louis, Mo. (1000) St. Louis University	76	WHDL	Tupper Lake, N.Y. (100) Tupper Lake Brd. Co., Inc.	142
WEWD	Royal Oak, Mich. (50) Royal Oak Brd. Co.	131	WHEB	Portsmouth, N.H. (250) Granite State Brd. Corp.	74
WFAA	Dallas, Texas (50,000) A. H. Belo Corp.	80	WHEC	Rochester, N.Y. (500) WHEC, Incorporated	143
WFAB	New York, N.Y. (1000) Fifth Avenue Brd. Co.	130	WHEF	Kosciusko, Miss. (100) Attala Milling & Produce Co.	150
WFAM	South Bend, Ind. (100) South Bend Tribune	120	WHET	Dothan, Alabama (100) Troy Broadcasting Co.	137
WFAS	White Plains, N.Y. (100) Westchester Brd. Corp.	121	WHFC	Chicago, Ill. (100) WHFC, Inc.	142
WFBC	Greenville, S.C. (100) Greenville-News-Piedmont	120	WHIS	Bluefield, W. Va. (250) Daily Telegraph Prtg Co.	141
WFBE	Cincinnati, Ohio (100) Radio Station WFBE, Inc.	120	WHK	Cleveland, Ohio (1000) Radio Air Service Corp.	139
WFBG	Altoona, Penna. (100) The Gable Brd. Co.	131	WHN	New York, N.Y. (250) New Booking Agency	101
WFBL	Syracuse, N.Y. (1000) Onondaga Brd. Corp.	136	WHOM	Jersey City, N.J. (250) New Jersey Brd. Co.	145
WFBM	Indianapolis, Ind. (1000) Indianapolis Power & Lt.	123	WHP	Harrisburg, Penna. (500) WHP Incorporated	143
WFBR	Baltimore, Md. (500) Baltimore Radio Show	127	WIBA	Madison, Wis. (500) Badger Broadcasting Co.	128
WFDF	Flint, Mich. (100) Flint Broadcasting Co.	131	WIBC	Glenside, Pa. (100) WIBG, Incorporated	97
WFDV	Rome, Ga. (100) Rome Brd. Corp.	150	WIBM	Jackson, Mich. (100) WIBM, Inc.	137
WFEA	Manchester, N.H. (500) New Hampshire Brd. Co.	143	WIBU	Poynette, Wis. (100) William C. Forrest	121
WFI	Philadelphia, Pa. (500) WFI Broadcasting Co.	56	WIBW	Topeka, Kan. (3000) Topeka Brd. Association	58
WFIA	Clearwater, Fla. (1000) Chamber of Commerce	62	WIBX	Utica, N.Y. (100) WIBX, Inc.	120
WFIA	Lancaster, Penna. (100) WGAL, Inc.	131	WICC	Bridgewater, Conn. (500) Southern Conn. Brd. Corp.	60
WIGAR	Cleveland, Ohio (500) WIGAR Broadcasting Co.	145	WIL	St. Louis, Mo. (100) Missouri Brd. Corp.	120
WCBB	Freeport, N.Y. (100) Harry H. Carman	121	WILL	Urbana, Ill. (250) University of Illinois	89
WCBF	Evansville, Ind. (500) Evansville on the Air, Inc.	63	WILM	Roanoke, Va. (100) Delaware Brd. Co.	142
WCBI	Scranton, Penna. (500) Scranton Broadcasters, Inc.	88	WIND	Gary, Ind. (1000) Johnson-Kennedy Radio	56
WCCM	Mississippi City (100) Great Southern Land Corp.	121	WINS	New York, N.Y. (500) American Radio News Corp.	118
WCCP	Newark, N.J. (1000) May Radio Brd. Corp.	125	WIOD	Miami, Fla. (1000) Isle of Dreams Brd. Corp.	130
WGCS	Chicago, Ill. (500) Oak Leaves Brd. Station, Inc.	136	WIP	Philadelphia, Pa. (500) Penns. Brd. Co., Inc.	61
WCH	Newport News, Va. (100) Hampton Radio Brd. Corp.	131	WIS	Columbia, S.C. (5000) WIS, Inc.	105

	(City, Owner, Power)	CHANNEL
ISN	Milwaukee, Wis. (250) Amer. Radio News Corp.	112
JAC	Johnstown, Pa. (100) WJAC, Inc.	131
JAG	Norfolk, Neb. (1000) Norfolk Daily News	106
JAR	Providence, R. I. (500) The Outlet Co.	89
JAS	Pittsburgh, Pa. (1000) Pittsburgh Radio Supply	129
JAX	Jacksonville, Fla. (1000) City of Jacksonville	90
JAY	Cleveland, Ohio (500) Cleveland Radio Brd. Corp	61
JBC	La Salle, Ill. (100) Kaskaskia Brd. Co.	120
JBI	Red Bank, N. J. (100) Monmouth Brd. Co.	121
JBK	Detroit, Mich. (50) James F. Hopkins, Inc.	137
JBL	Decatur, Ill. (100) Commodore Brd., Inc.	120
JBO	Baton Rouge, La. (100) Baton Rouge Brd. Co.	142
JBW	New Orleans La. (100) C. Carlson	120
JBY	Gadsden, Ala. (100) Gadsden Brd. Co., Inc.	121
JDX	Jackson, Miss. (1000) Lamar Life Ins. Co.	127
JEJ	Hagerstown, Md. (100) Hagerstown Brd. Co.	121
JEM	Tupelo, Miss. (500) Britt A. Rogers, Jr.	99
JJD	Mooseheart, Ill. (20,000) WJJD, Inc.	113
JMS	Ironwood, Mich. (100) WJMS, Inc.	142
JUR	Detroit, Mich. (10,000) R. The Goodwill Station, I.	75
JSV	Washington, DC (30,000) Old Dominion Brd. Co.	146
JTL	Atlanta, Ga. (100) Oglethorpe University	137
JW	Akron, Ohio (100) WJW, Inc.	121
JZ	New York, N.Y. (50,000) National Brd. Co., Inc.	76
KAQ	San Juan, P.R. (1000) Radio Corp of Puerto Rico	124
KAR	E. Lansing, Mich. (1000) Michigan State College	104
KBB	East Dubuque, Ill. (100) Sanders Bros.	150
KBF	Indianapolis, Ind. (500) Indianapolis Brd. Inc.	140
KBH	LaCrosse, Wis. (1000) WKBH, Inc.	138
KBI	Chicago, Ill. (100) WKBI, Inc.	142
KBK	Youngstown, Ohio (500) WKBN Broadcasting Corp.	57
KBO	Harrisham, Ill. (100) Keystone Broadcasting Corp	120
KBV	Richmond, Ind. (100) Koex Battery and Elec. Co.	150
KBW	Buffalo, N. Y. (5000) Buffalo Broadcasting Corp.	148
KBZ	Ludington, Mich. (100) K. L. Ashbacker	150
KEU	La Grange, Ga. (100) Radio Station WKED	159
KFI	Greenwood, Miss. (100) J. Pat Scully	121
KJC	Lancaster, Penna. (100) Lancaster Brd. Service	120
KOK	Sunbury, Penna. (100) Charles S. Blue	121
KRC	Cincinnati, Ohio (1000) WKRC, Inc.	55
KY	Oklahoma City (1000) WKY Radiophone Co.	90
KZO	Kalamazoo, Mich. (1000) WKZO, Inc.	59
MAC	Nashville, Tenn. (5000) Life and Cas. Ins. Co.	147
MAP	Lexington, Ky. (100) American Brd. Corp.	142
MB	Minneapolis (1000) University of Minnesota	125
BC	Muncie, Ind. (100) Donald A. Burton	131
MBF	Kansas City, Kan. (100) WLBF Broadcasting Co.	142
BL	Stevens Pt., Wis. (2500) Wisconsin Dept. of Markets	90
BW	Erie, Penn. (500) Broadcasters of Penna.	126
BZ	Bangor, Maine (500) Maine Broadcasting Co.	62
EU	Erie, Penn. (100) Leo J. American	142
LEY	Lexington, Mass. (100) Albert S. Moffat	137
IT	Philadelphia, Pa. (100) Lit Brothers	56
NH	Lancaster, A. H. (100) Northern Brd. Co., Inc.	131

CALL	(City, Owner, Power)	CHANNEL
WLS	Chicago, Ill. (50,000) Agricultural Brd. Co.	87
WLTH	Bronxville, N. Y. (500) Voice of Brooklyn, Inc.	140
WLVA	Lynchburg, Va. (100) Lynchburg Brd. Corp.	137
WLW	Cincinnati, O. (50,000) Crosley Radio Corp.	70
WLWL	New York, N.Y. (5000) Miss. Soc. of St. Paul	110
WMAL	Washington, D. C. (250) National Broadcasting Co.	63
WMAQ	Chicago, Illinois (5000) National Broadcasting Co.	67
WMAS	Springfield, Mass. (100) WMAS, Inc.	142
WMAZ	Macon, Ga. (500) Southeastern Brd. Co., Inc.	118
WMBC	Watertown, Mich. (500) Michigan Brd. Co., Inc.	142
WMBD	Peoria, Illinois (500) Peoria Broadcasting Co.	144
WMBG	Richmond, Va. (100) Havens & Martin, Inc.	121
WMBH	Joplin, Missouri (100) W. M. Robertson	142
WMBI	Chicago, Illinois (5000) I. S. Morris, Biddle Inst.	108
WMBQ	Auburn, N. Y. (100) WMBQ, Incorporated	131
WMBR	Brooklyn, N. Y. (100) Paul J. Gelfelter	150
WMC	Jacksonville, Fla. (100) F. J. Reynolds	137
WMCA	Memphis, Tenn. (500) WMC, Inc.	78
WMEX	New York, N. Y. (500) Knickerbocker Brd. Co., Inc.	57
WMEX	Chester, Mass. (100) The Northern Corp.	150
WMMN	Fairmont, W. Va. (250) A. M. Rowe, Inc.	89
WMPC	Lapeer, Michigan (100) First Meth. Protestant Ch.	150
WMT	Waterloo, Iowa (1000) Waterloo Broadcasting Co.	60
WNAC	Boston, Mass. (1000) Shepard Brd. Service	123
WNAD	Norman, Okla. (500) University of Oklahoma	101
WNAX	Yankton, S. D. (1000) House of Gurney, Inc.	57
WNBF	Binghamton, N. Y. (100) C. C. Orey, Inc.	150
WNBH	N. Bedford, Mass. (100) New Bedford Brd. Co.	131
WNBO	Lower Haven, Pa. (100) John Brownlee Springs	120
WNBR	Memphis, Tenn. (500) Memphis Broadcasting Co.	143
WNBX	Springfield, Vt. (250) WNBX Broadcasting Corp.	126
WNBZ	Saranac Lake, N. Y. (50) Smith & Mace	129
WNEL	San Juan, P. R. (500) Juan Plaza	129
WNEW	Newark, N. J. (1000) Wodaam Corp.	125
WNOX	Knoxville, Tenn. (1000) WNOX, Inc.	56
WNRA	Mus. Shoals, Ala. (100) Kathryn Jones	142
WNYC	New York, N. Y. (500) City of New York	81
WOAI	S. Antonio, Tex. (50,000) Southland Industries, Inc.	119
WOC	Des Moines, Ia. (50,000) Central Broadcasting Co.	100
WOCL	Jamestown, N. Y. (50) A. E. Newell	121
WODX	Mobile, Ala. (500) Mobile Broadcasting Corp.	141
WOI	Ames, Iowa (5000) Iowa State Col. of Agric.	64
WOKO	Albany, N. Y. (5000) WOKO, Inc.	143
WOL	Washington, D. C. (100) American Broadcasting Co.	131
WOMT	Manitowoc, Wis. (100) Francis M. Kadew	121
WOOD	Gr. Rapids, Mich. (500) Kansky-Trendle Brd. Corp.	127
WOPI	Bristol, Tennessee (100) Radionik, Brd. Station	150
WOQ	Kansas City, Mo. (1000) Unity School of Christ'nty	130
WOR	Newark, N. J. (50,000) Bamberger Brd. Service	71
WORC	Worcester, Mass. (100) Alfred Frank McIndoe	128
WORK	York, Penn. (1000) York Broadcasting Co.	100
WOS	Jefferson City, Mo. (500) Mo. State Highway Patrol	63
WOSU	Columbus, Ohio (1000) Ohio State University	57
WOV	New York, N. Y. (1000) International Brd. Co.	113

APRIL — Radio Log and Lore — **PAGE [25]**

ALPHABETICAL CALL LIST

These four pages of alphabetical listings contain every broadcasting station in North America, indicating the station call, the channel in which it operates, the point from which it is licensed and the name of the registered owner. The list below shows the countries of North America that have broadcasting stations within their borders, the number in each country, together with the letters which may be used by each country under international assignment and regulation.

Country	Assigned Letters	Stations
United States	K and W	591
Dominion of Canada	CF and CK	69
Cuba	CM	57
Mexico	X	48
Costa Rica	TI	15
Newfoundland	VO	6
Dominican Republic	HI	5
Honduras	HR	2
Bahamas	VP and VS	2
El Salvador	R	1
Guatemala	TG	1
Haiti	HH	1
Miquelon Islands	F	1

(City, Owner, Power)	CHANNEL	CALL	(City, Owner, Power)	CHANNEL
DW Omaha, Nebr. (1000) W. O. W. Life Ins. Assn.	59	WSB Atlanta, Ga. (50,000) Atlanta Journal Co.	74	
DWO Ft. Wayne, Ind. (10,000) Main Auto Supply Co.	116	WSBC Chicago, Ill. (100) WSBC, Inc.	121	
PAD Paducah, Ky. (100) Paducah Broadcasting Co.	142	WSBT South Bend, Ind. (500) South Bend Tribune	123	
PEN Philadelphia, Pa. (250) Wm. Penn Broadcasting Co.	92	WSEN Columbus, Ohio (100) Columbus Brd. Corp.	121	
PFB Hattiesburg, Miss. (100) Oaks Ferry Corp.	137	WSFA Montgomery, Ala. (500) Montgomery Brd. Co.	141	
PG Atlantic City, N. J. (5000) Columbia Brd. System	110	WSGN Birmingham, Ala. (250) R. B. Broyles' Fur. Co.	131	
PHR Petersburgh, Va. (100) WBGB, Inc.	120	WSIX Springfield, Tenn. (100) 638 Tire & Vule, Co.	121	
PRO Providence, R. I. (250) Cherry and Webb Brd. Co.	63	WSJS Winston-Salem, NC (100) Winston-Salem Journal Co.	131	
PTF Raleigh, N. C. (5000) WPTF Radio Co.	68	WSM Nashville, Tenn. (50,000) Nat. Life & Acc. Ins. Co.	65	
QAM Miami, Fla. (1000) Miami Broadcasting Co.	56	WSMB New Orleans, La. (500) WSMB, Incorporated	132	
QAN Scranton, Pa. (250) E. J. Lynett, Proprietor	88	WSMK Dayton, Ohio (200) Stanley M. Krohn, Jr.	138	
QBC Vickburg, Miss. (500) Delta Brd. Co., Inc.	136	WSOC Charlotte, N. C. (100) WSOC Incorporated	121	
QDM St. Albans, Vt. (100) St. Antoine and Regan	137	WSPA Spartanburg, S. C. (100) Voice of South Carolina	142	
QDX Thomasville, Ga. (100) Seevens Lake	121	WSPD Toledo, Ohio (1000) Toledo Broadcasting Co.	134	
RAK Williamsport, Pa. (100) WRAK, Inc.	137	WSUI Iowa City, Iowa (500) State University of Iowa	88	
RAM Durham, N. C. (100) Wilmington Radio Ass. Inc.	150	WSVS Buffalo, N. Y. (50) Sen. Vocat. High School	137	
RAW Reading, Pa. (100) Reading Broadcasting Co.	131	WSYB Rutland, Vt. (100) Philip Weiss Music Co.	150	
RAX Philadelphia, Pa. (250) WRAX Broadcasting Co.	102	WSYR Syracuse, N. Y. (250) Central N. Y. Brd. Co.	57	
RBL Columbus, Ga. (100) WRBL Radio Station, Inc.	120	WTAD Quincy, Ill. (500) Illinois Brd. Corp.	144	
RBX Roanoke, Va. (250) Richmond Develop't Corp.	141	WTAC Worcester, Mass. (750) Worcester Telegram Pub. Co.	58	
RC Washington, D.C. (500) National Broadcasting Co.	95	WTAM Cleveland, Ohio (50,000) National Broadcasting Co.	107	
RDO Augusta, Maine (100) WRDO, Inc.	137	WTAU Eau Claire, Wis. (1000) Gillette Rubber Co.	133	
RDW Augusta, Ga. (100) Musicave, Inc.	150	WTAR Fairfax, Va. (500) WTAR Radio Corp.	78	
REC Memphis, Tenn. (500) WREC, Inc.	60	WTAW College Sta., Tex. (500) Agri. & Mech. Coll. of Texas	112	
REN Lawrence, Kan. (1000) Jenny Wren Co.	122	WTAX Springfield, Ill. (100) WTAX, Inc.	121	
RHM Minneapolis (2000) Minnesota Brd. Corp.	125	WTBO Cumberland, Md. (100) Associated Brd. Corp.	142	
RJN Racine, Wis. (100) Racine Broadcasting Corp.	137	WTEL Philadelphia, Pa. (100) Foulkland Radio Eng. Co.	131	
ROK Rockford, Ill. (500) Rockford Broadcasters, Inc.	141	WTFI Athens, Ga. (500) Liberty Broadcasting Co.	145	
ROL Kinston, N.C. (100) Stuart Broadcasting Corp.	131	WTIC Hartford, Conn. (50,000) Travelers Brd. Ser. Corp.	106	
RR Dallas, Tex. (500) City of Dallas	128	WTJS Jackson, Tenn. (100) The Sun Publishing Co.	131	
RUF Gainesville, Fla. (5000) University of Florida	83	WTMJ Milwaukee, Wis. (1000) The Journal Co.	62	
RVA Richmond, Va. (5000) Larson & Br. Co., Inc.	111	WTNJ Trenton, N. J. (500) W-DAX, Inc.	128	
SAI Cincinnati, Ohio (1000) Crosley Radio Corp.	133	WTOC Savannah, Ga. (500) Savannah Broadcasting Co.	126	
SAJ Grove City, Pa. (100) Grove City College	131	WTRC Elkhart, Ind. (50) The Truth Pub. Co., Inc.	131	
SAN Allentown, Penna. (250) WSAN, Inc.	144	WYFW Brooklyn, N. Y. (500) Paramount Brd. Corp.	140	
SAR Fall River, Mass. (250) Doughty & Welch Elec. Co.	145	WWAE Hammond, Ind. (100) Hammond-Columbus Brd.	120	
SAZ Huntington, W. Va. (1000) WSAZ, Inc.	119	WWJ Detroit, Mich. (10000) The Evening News And	92	

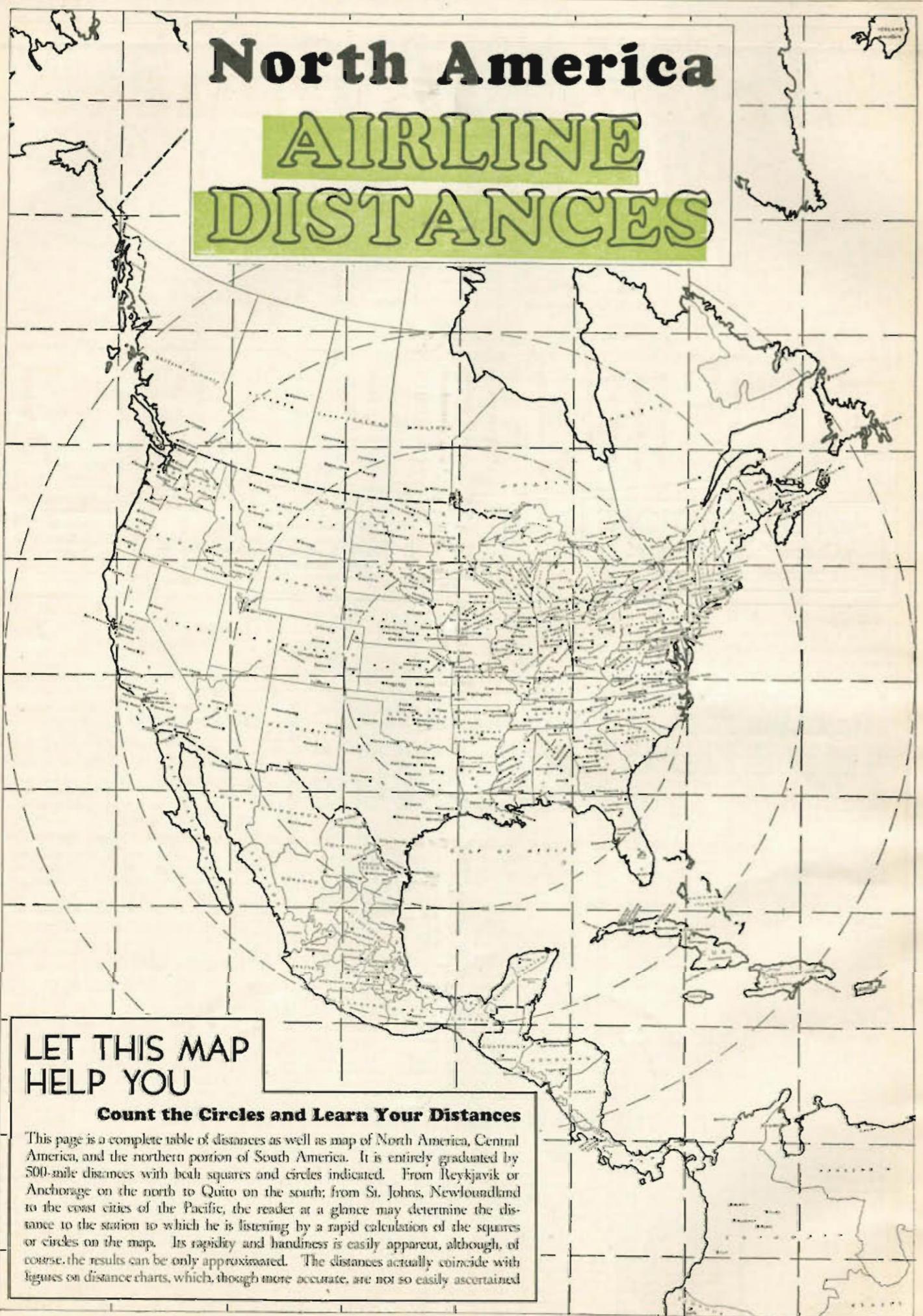
CALL	(City, Owner, Power)	CHANNEL
WWL	New Orleans (10,000) Loyola University	85
WWNC	Asheville, N. C. (1000) Citizen Brd. Co., Inc.	57
WWRL	Woodside, N. Y. (100) L. I. Broadcasting Corp.	150
WWSW	Pittsburgh, Penna. (100) Walker & Downing Radio Co.	150
WWVA	Wheeling, W. Va. (5000) West Virginia Bld. Corp.	116
WXYZ	Detroit, Mich. (1000) Kumsky-Trendle Bld. Corp.	124
XEA	Guadalupe, Jal. (250) Alberto Palos Suiza	100
XEAB	Nuevo Laredo, Tamps. (8) Humberto Garcia R.	145
XEAC	San Luis Potosi (100) Francisco de P. Cabrera	129
XEAE	Tijuana, L. C. (800) Adolfo Lebastic Jr.	99
XEAF	Nogales, Sonora (750) Manuel Marescares M.	99
XEAI	Mexico, D. F. (100) Carlos Gonzalez Caballero	109
XEAO	Mexicali, B. C. (100) Luis L. Castro	56
XEAW	Reynosa, Tamps. (10,000) Int. Dif. de Reynosa, SA	97
XEB	Mexico C. D. F. (10,000) El Buen Tono S. A.	103
XEC	Toluca, Mex. (50) Jesus R. Bonedives	100
XED	Gaudalajara, Jal. (500) Radiofonografia, S. A.	115
XEFA	Tacubla, D. F. (500) Eduardo Limon Segui	125
XEFB	Monterrey, Mex. (100) Jesus Quintanilla	131
XEFC	Merida, Yucatan (100) Julia Molina Font	105
XEFE	N. Laredo, Tamps (100) Rafael Y. Carranza	99
XEFC	Mexico City, Mex. (250) Manuel Espinosa Tagle	108
XEFI	Chihuahua, Mex. (250) Feliciano Lopez Itzcas	126
XEFO	Monterrey, Mex. (100) Rodolfo Junco de la Vega	100
XEFO	Mexico City, Mex. (5000) Parido Nacional Revolucion	94
XEFS	Queretaro, Mex. (40) Salvador Sanchez	100
XEJV	C. Juarez, Mex. (101) Jose Onofre Meza	137
XEFW	Tampico, Tamps. (70) José Expedito Martinez	128
XEZF	Mexico City, Mex. (100) Manuel Zetina	137
XEH	Monterrey, Mex. (250) Ing. Constante de Tamayo	113
XEI	Morelia, Mich. (250) Carlos Gutierrez	131
XEJ	C. Juarez, Mex. (250) Juan B. Buttner	101
XEK	Mexico City, Mex. (100) Arturo Marquez	99
XEEL	Saltillo, Mex. (10) Antonio Garza Castro	100
XEN	Mexico City, Mex. (1000) Corvernia Modelos S/A	71
XENT	Nuevo Laredo (150,000) Ind. Universal de Mex.	111
XEOK	Tijuana, L. C. (2,500) Carlos de la Sierra	76
XEPE	Mexico City, Mex. (500) Ana Rovalo de Pasalagua	78
XEPM	Piedras Negras (50,000) Radiote. de Piedras Neg	58
XER	Univ. Auton. (250,000) Radidif. de V. Acent. S.	74
XES	Tampico, Tamps. (250) Fernando Saiz	102
XET	Monterrey, Mex. (500) Mexico Music Co.	69
XEVB	Torreón, Mex. (125) Jorge A. Benavides	138
XETH	Puebla, Mex. (100) Ramon Herra	86
XETU	Pachuca, Mex. (100) Bentito Castillo	89
XETW	Mexico City, Mex. (500) Rafael M. Pena	83
XEU	Vera Cruz, Mex. (180) Fernandez Fazos	101
XEW	Mexico City, Mex. (5000) Cadena Rialto Discoteca	91
XEWX	Vera Cruz, Mex. (250) Horacio Remes	110
XEX	Monterrey, Mex. (50) Luis F. Petit Juan	63
XEYZ	Mexico City (10,000) Angel M. Diaz	76
XEZ	Merida, Yucatan (500) Bartolome Garcia Correa	63
XFB	Jalapa, Mexico (1000) Tolriero de Est. Vera Cruz	129
XEO	Mexico City, Mex. (5000) Partido Revolucion Part	94

HERE ARE THE POLICE CALLS

NUMERICALLY BY MEGACYCLES

Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency									
.19 Megacycles (190 Kilocycles; 1570 Meters)																				
WBA	Harrisburg, Pa.	.19	KGPC	St. Louis, Mo.	1.71	WCK	Belle Isle'd, Mich.	2.41	WPDN	Auburn, N. Y.	2.46									
WBR	Butler, Pa.	.19	KGPJ	Beaumont, Tex.	2.41	WMO	High Park, Mich.	2.41	WPDO	Akron, Ohio	2.46									
WDX	Wyoming, Pa.	.19	KGPL	Los Angeles, Cal.	1.71	WPDA	Tulare, Calif.	2.41	WPDR	Rochester, N. Y.	2.46									
WJL	Greensburg, Pa.	.19	KGZB	Houston, Tex.	1.71	WPDX	Detroit, Mich.	2.41	WPDV	Charlotte, N. C.	2.46									
WM	West Reading, Pa.	.19	KGZL	Wichita F'ts, Tex.	1.71	WPDY	Atlanta, Ga.	2.41	WPEA	Syracuse, N. Y.	2.46									
1.53 Megacycles (1534 Kilocycles; 196.1 Meters)																				
KGHO	Des Moines, Iowa	1.53	KGZQ	Waco, Tex.	1.71	WPFI	Baltimore, Md.	2.41	WPFS	Asheville, N. C.	2.46									
1.56 Megacycles (1558 Kilocycles; 192.5 Meters)																				
WEY	Boston, Mass.	1.56	KSW	Berkeley, Calif.	1.71	WPFM	Birmingham, Ala.	2.41	WRDH	Cleveland, Ohio	2.46									
WKDT	Detroit, Mich.	1.56	KVP	Dallas, Tex.	1.71	WPFP	Cl'cksh'g, W. Va.	2.41	WPFE	Louisville, Ky.	2.44									
1.57 Megacycles (1557 Kilocycles; 195.5 Meters)																				
KGPY	Baton Rouge, La.	1.57	UYR	Montreal, Can.	1.71	WPFW	Mt. Pl'snt, N. Y.	2.41	WPFD	Flint, Mich.	2.44									
WMP	Fram'g'h, Mass.	1.57	WKDU	Cincinnati, Ohio	1.71	WRDR	Grosse Pt., Mich.	2.41	WPDH	Richmond, Ind.	2.44									
WPEV	Middleboro, Mass.	1.57	WPDC	Chicago, Ill.	1.71	2.44 Megacycles (2442 Kilocycles; 122.8 Meters)														
WPEW	Portable, Mass.	1.57	WPEO	Arlington, Mass.	1.71	KGPP	Portland, Ore.	2.44	WPDN	Auburn, N. Y.	2.46									
WPEW	N'th'mpt'n, Mass.	1.71	WPET	Lexington, Mass.	1.71	KGPK	Denver, Colo.	2.44	WPDO	Akron, Ohio	2.46									
WRDS	E. Lansing, Mich.	1.57	WPFA	Newton, Mass.	1.71	KGZH	Klamath F. Ore.	2.44	WPDR	Rochester, N. Y.	2.46									
1.71 Megacycles (1712 Kilocycles; 175.1 Meters)																				
KGJX	Pasadena, Cal.	1.71	WPFJ	Hannover, Ind.	1.71	KGZC	Topeka, Kans.	2.42	KGZD	Wichita F'ts, Tex.	2.42									
KGZQ	S. Barbara, Cal.	2.41	WPKF	Fairhaven, Mass.	1.71	KGZM	El Paso, Tex.	2.41	KGZP	Tacoma, Wash.	2.41									
2.41 Megacycles (2414 Kilocycles; 124.2 Meters)																				
KGPF	Minneapolis	2.43	KGZT	San Diego, Calif.	2.43	KGZU	Phoenix, Ariz.	2.43	KGZV	New York, N. Y.	2.45									
KGZD	St. Paul, Minn.	2.43	WPDI	Columbus, Ohio	2.43	WPEE	New York, N. Y.	2.45	WPEF	New York, N. Y.	2.45									
KGZG	Dayton, Ohio	2.43	WPDM	Dayton, Ohio	2.43	WPEG	New York, N. Y.	2.45	WPEH	East Providence, R. I.	2.45									
KGZK	St. Paul, Minn.	2.43	WPDP	St. Paul, Minn.	2.43	KGZL	Homestead, T. H.	2.45	KGZM	El Paso, Tex.	2.41									
KGZL	Seattle, Wash.	2.41	WPDK	High'd Park, Ill.	2.43	KGZM	Tucson, Ariz.	2.41	KGZP	Tom's River, N. J.	2.43									
KGZM	Bakersfield, Cal.	2.41	WPDL	High'd Park, Ill.	2.43	KGZT	Youngst'n, Ohio	2.46	KGZU	Hackensack, N. J.	2.43									
KGZN	Fresno, Calif.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	S. Antonio, Tex.	2.51	2.42 Megacycles (2422 Kilocycles; 124.2 Meters)											
KGZP	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZW	Waco, Tex.	2.41	KGZD	Wichita F'ts, Tex.	2.42									
KGZQ	Seattle, Wash.	2.41	WPDL	High'd Park, Ill.	2.43	KGZM	Wichita F'ts, Tex.	2.41	KGZL	Youngst'n, Ohio	2.46									
KGZT	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZU	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZW	Youngst'n, Ohio	2.46	2.43 Megacycles (2430 Kilocycles; 123.4 Meters)											
KGZV	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZD	Youngst'n, Ohio	2.46	KGZL	Youngst'n, Ohio	2.46									
KGZW	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZD	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.44 Megacycles (2442 Kilocycles; 122.8 Meters)											
KGZL	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZM	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.45 Megacycles (2450 Kilocycles; 122.4 Meters)											
KGZV	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZD	Youngst'n, Ohio	2.46	KGZL	Youngst'n, Ohio	2.46									
KGZW	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZD	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.46 Megacycles (2458 Kilocycles; 122.0 Meters)											
KGZL	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZM	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.47 Megacycles (2470 Kilocycles; 121.5 Meters)											
KGZV	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZD	Youngst'n, Ohio	2.46	KGZL	Youngst'n, Ohio	2.46									
KGZW	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZD	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.48 Megacycles (2482 Kilocycles; 121.2 Meters)											
KGZL	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZM	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.49 Megacycles (2490 Kilocycles; 120.8 Meters)											
KGZV	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZD	Youngst'n, Ohio	2.46	KGZL	Youngst'n, Ohio	2.46									
KGZW	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZD	Portland, Me.	2.41	WPDK	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.50 Megacycles (2506 Kilocycles; 120.0 Meters)											
KGZL	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZM	Youngst'n, Ohio	2.46	KGZU	Youngst'n, Ohio	2.46									
KGZM	Portland, Me.	2.41	WPDM	High'd Park, Ill.	2.43	KGZV	Youngst'n, Ohio	2.46	2.51 Megacycles (2506 Kilocycles; 120.0 Meters)											
KGZV	Portland, Me.	2.41	WPDL	High'd Park, Ill.	2.43	KGZD	Youngst'n, Ohio	2.46	KGZL	Youngst'n, Ohio	2.46									
KG																				

North America AIRLINE DISTANCES



Airline Distances

(United States-Canada)

TABLE NO. 1

It is possible to arrange only a limited number of cities in a distance table, for quick finding and on this page is a table that is one of a series that embraces

No. 1: United States-Canada Distances
No. 2: Western Hemisphere Distances

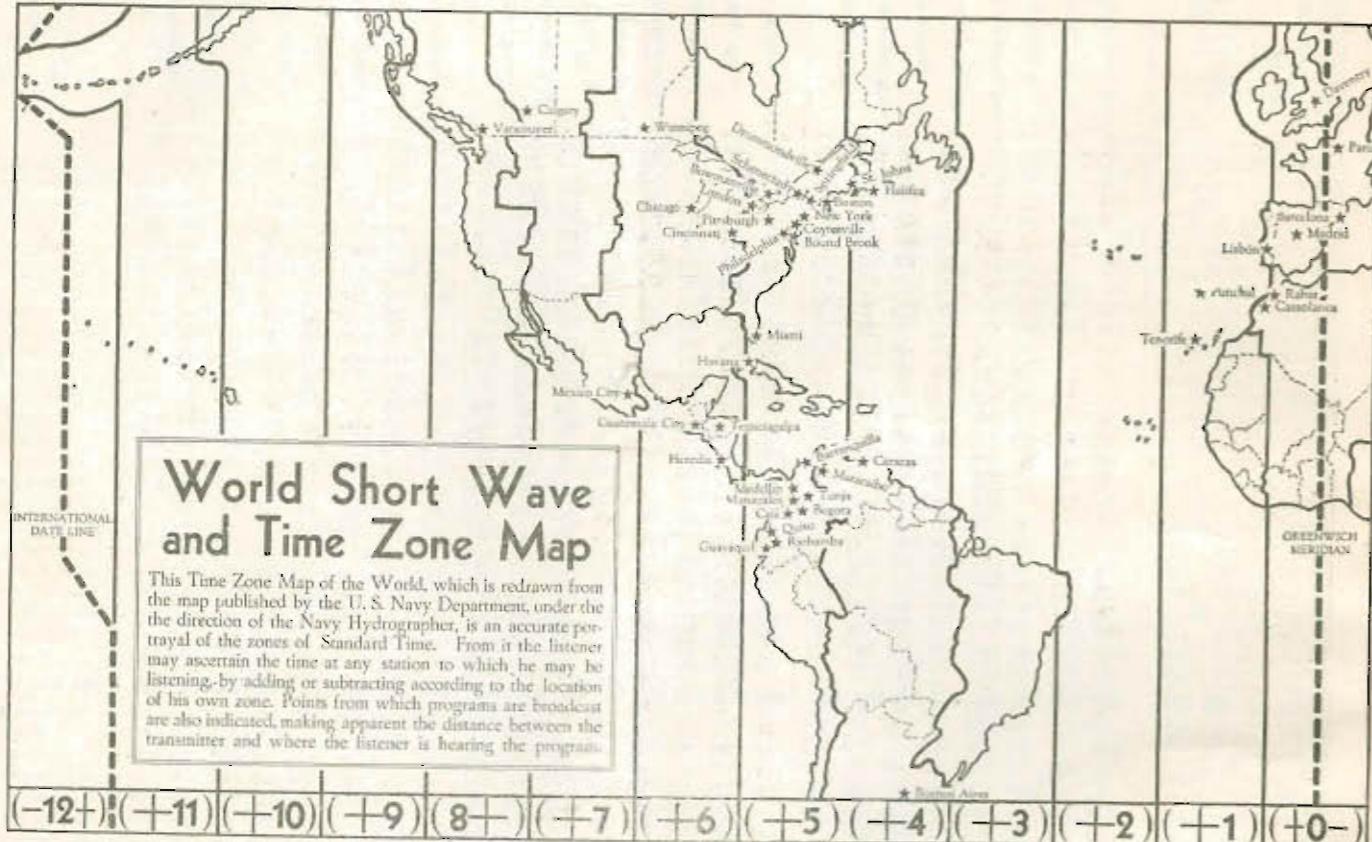
It will be noted that 48 cities are included in this chart and the arrangement places 48 on each side and 24 each on top and bottom. The diagonal row of dots in the upper and lower halves divides the figures applying to the cities at the left and those at the right.

FROM	TO	FROM	TO
Albuquerque	Winnipeg, Man.	Winnipeg, Man.	Albuquerque
Atlanta, Ga.	Washington, D.C.	Washington, D.C.	Atlanta, Ga.
Baltimore, Md.	Vancouver, B.C.	Vancouver, B.C.	Baltimore, Md.
Bismarck, N.D.	Tulsa, Okla.	Tulsa, Okla.	Bismarck, N.D.
Boise, Idaho	Toronto, Ont.	Toronto, Ont.	Boise, Idaho
Boston, Mass.	Seattle, Wash.	Seattle, Wash.	Boston, Mass.
Butte, Mont.	Schenectady	Schenectady	Butte, Mont.
Calgary, Alta.	San Francisco	San Francisco	Calgary, Alta.
Casper, Wyo.	San Antonio, Tex.	San Antonio, Tex.	Casper, Wyo.
Charlotte, N.C.	Salt Lake City	Salt Lake City	Charlotte, N.C.
Chicago, Ill.	St. Louis, Mo.	St. Louis, Mo.	Chicago, Ill.
Cincinnati, Ohio	Richmond, Va.	Richmond, Va.	Cincinnati, Ohio
Cleveland, Ohio	Regina, Sask.	Regina, Sask.	Cleveland, Ohio
Dallas, Texas	Portland, Ore.	Portland, Ore.	Dallas, Texas
Denver, Colo.	Pittsburgh, Pa.	Pittsburgh, Pa.	Denver, Colo.
Des Moines, Iowa	Phoenix, Ariz.	Phoenix, Ariz.	Des Moines, Iowa
Des Moines, Iowa	Philadelphia, Pa.	Philadelphia, Pa.	Des Moines, Iowa
Edmonton, Alta.	Omaha, Neb.	Omaha, Neb.	Edmonton, Alta.
Hot Springs, Ark.	New York, N.Y.	New York, N.Y.	Hot Springs, Ark.
Kansas City, Mo.	New Orleans, La.	New Orleans, La.	Kansas City, Mo.
Los Angeles, Cal.	Nashville, Tenn.	Nashville, Tenn.	Los Angeles, Cal.
Louisville, Ky.	Montreal, Que.	Montreal, Que.	Louisville, Ky.
Miami, Fla.	Montreal, Que.	Montreal, Que.	Miami, Fla.
Milwaukee, Wis.	Milwaukee, Wis.	Milwaukee, Wis.	Milwaukee, Wis.
Minneapolis	Miami, Fla.	Miami, Fla.	Minneapolis
Montreal, Que.	Louisville, Ky.	Louisville, Ky.	Montreal, Que.
Nashville, Tenn.	Los Angeles, Cal.	Los Angeles, Cal.	Nashville, Tenn.
New Orleans, La.	Kansas City, Mo.	Kansas City, Mo.	New Orleans, La.
New York, N.Y.	Hot Springs, Ark.	Hot Springs, Ark.	New York, N.Y.
Omaha, Neb.	Edmonton, Alta.	Edmonton, Alta.	Omaha, Neb.
Philadelphia, Pa.	Detroit, Mich.	Detroit, Mich.	Philadelphia, Pa.
Phoenix, Ariz.	Des Moines, Iowa	Des Moines, Iowa	Phoenix, Ariz.
Pittsburgh, Pa.	Denver, Colo.	Denver, Colo.	Pittsburgh, Pa.
Portland, Me.	Calgary, Alta.	Calgary, Alta.	Portland, Me.
Portland, Ore.	Butte, Mont.	Butte, Mont.	Portland, Ore.
Regina, Sask.	Baltimore, Md.	Baltimore, Md.	Regina, Sask.
Richmond, Va.	Bismarck, N.D.	Bismarck, N.D.	Richmond, Va.
St. Louis, Mo.	Atlanta, Ga.	Atlanta, Ga.	St. Louis, Mo.
Salt Lake City	Albuquerque	Albuquerque	Salt Lake City
San Antonio, Tex.	Winnipeg, Man.	Winnipeg, Man.	San Antonio, Tex.
San Francisco	Portland, Oreg.	Portland, Oreg.	San Francisco
Schenectady	Schenectady	Schenectady	Schenectady
Seattle, Wash.	Seattle, Wash.	Seattle, Wash.	Seattle, Wash.
Toronto, Ont.	Toronto, Ont.	Toronto, Ont.	Toronto, Ont.
Tulsa, Okla.	Tulsa, Okla.	Tulsa, Okla.	Tulsa, Okla.
Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.	Vancouver, B.C.
Washington, D.C.	Washington, D.C.	Washington, D.C.	Washington, D.C.

WESTERN (SHORT WAVE HEMISPHERE)

STATIONS OF THE WORLD

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
UNITED STATES														
Boston, Mass.	W1XAL	6.04	New York, N. Y.	W2XE	15.27	Bowmanville, Ont.	VE9GW	11.81	Mexico City, Mexico	XDA	5.86	Barranquilla, Colom.	HKD	6.24
Boston, Mass.	W1XAL	21.46	New York, N. Y.	W2XBH	5.50	Bowmanville, Ont.	VE9GW	6.09	Mexico City, Mexico	XEW	6.03	Bogota, Colombia	HJ3ABF	7.61
Boston, Mass.	W1XAL	11.79	New York, N. Y.	W2XE	6.12	Calgary, Alberta	VE9CA	6.03	Mexico City, Mexico	XDA	14.63	Bogota, Colombia	HKC	6.20
Bound Brook, N. J.	W3XL	6.39	Philadelphia, Pa.	W3XAU	6.06	Calgary, Alta.	VE9CG	6.11	Mexico City, Mexico	XDA	11.76	Bogota, Colombia	HKF	7.56
Bound Brook, N. J.	W3XL	6.10	Philadelphia, Pa.	W3XAU	9.59	Drummondville, Ont.	VE9DR	11.78	Cali, Colombia	H5ABD	6.38	Cali, Colombia	H5ABD	6.38
Bound Brook, N. J.	W3XL	6.10	Pittsburgh, Pa.	W3XK	11.85	Pittsburgh, Pa.	W3XK	11.85	Guatemala City, Guat.	TGW	6.68	Manizales, Colom.	HJ4ABB	7.21
Chicago, Ill.	W9XF	17.78	Pittsburgh, Pa.	W3XK	6.00	Drummond's, Canada	VE9DR	6.00	Guatemala City, Guat.	VE9HX	6.12	Medellin, Colombia	HJ4ABE	5.93
Chicago, Ill.	W9XF	17.78	Pittsburgh, Pa.	W3XK	17.78	Halifax, N. S.	W9XAA	6.12	Tunja, Colombia	HJ2ABA	5.88	Tunja, Colombia	HJ2ABA	5.88
Chicago, Ill.	W9XA	6.08	Pittsburgh, Pa.	W3XK	21.54	Halifax, N. S.	W9XAA	6.05	Quito, Colombia	HICDR	6.38	Quito, Colombia	HICDR	6.38
Chicago, Ill.	W9XF	6.10	Pittsburgh, Pa.	W3XK	15.21	London, Canada	VE9BY	4.79	London, Canada	VE9BY	4.79	Tegucigalpa, Hond.	HRB	6.00
Cincinnati, Ohio	W8XAL	6.06	Pittsburgh, Pa.	W3XK	9.57	London, Ont.	VE9BY	6.43	London, Ont.	VE9BY	6.43	Quito, Ecuador	HCJB	4.00
Covington, N. J.	W2XAL	15.25	Schenectady, N. Y.	W2XO	12.85	London, Ont.	VE9BY	8.65	St. Johns, N. B.	VE9BJ	6.09	Buenos Aires, Arg.	LSX	10.35
Long Island City, N. Y.	W2XV	4.79	Schenectady, N. Y.	W2XAD	15.33	London, Ont.	VE9BY	10.51	Vancouver, B. C.	VE9CS	6.07	Colombia	COLOMBIA	8.11
Miami Beach, Fla.	W4XB	6.04	Schenectady, N. Y.	W2XAF	9.53	London, Ont.	VE9CL	5.71	Winnipeg, Canada	VE9CL	5.71	Caracas, Venezuela	YV1BC	6.11
New York, N. Y.	W2XE	11.83	Springfield, Mass.	W1XAZ	9.57	London, Ont.	VE9CR	11.72	Winnipeg, Man.	VE9JR	11.72	Maracaibo, Vene.	YB1IBMO	6.13
Havana, Cuba	CMCI	6.06	Havana, Cuba	CM6XJ	15.01	London, Ont.	VE9DR	17.76	London, Ont.	VE9DR	17.76	Barcelona, Spain	EAJ25	6.00



WORLD BROADCAST STATIONS (Alphabetically by Cities)

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
Barcelona, Spain	EAJ25	6.00	Chicago, Ill.	W9XF	17.78	Heredia, Costa Rica	TI4NRH	9.68	Paris, France	FLE	6.12	Rome, Italy	I2R0	11.81
Barranquilla, Colom.	HKA	6.15	Chicago, Ill.	W9XA	17.78	Johannesburg, S. Africa	ZTJ	6.10	Paris, France	FYA	15.24	Schenectady, N. Y.	W2XAF	9.53
Barranquilla, Colom.	HKD	6.00	Chicago, Ill.	W9XF	6.10	Johannesburg, S. Africa	ZTJ	6.12	Paris, France	FYA	11.90	London, Canada	VE9V	4.79
Barranquilla, Colom.	HKD	6.24	Chicago, Ill.	W9XA	11.83	Khalchayev, Russia	RV15	4.27	Paris, France	FYA	11.70	Long Island City, N. Y.	W2XV	4.79
Bandung, Java	PMY	5.17	Chicago, Ill.	W9XA	6.08	Lisbon, Portugal	CT1AA	9.60	Paris, France	FYA	10.51	London, Ont.	VE9BY	6.43
Bogota, Colombia	HJ3ABF	6.25	Cincinnati, Ohio	W8XAL	6.05	London, Ont.	VE9BY	4.79	Skamlebak, Denmark	OXY	6.07	London, Ont.	VE9BY	8.65
Bogota, Colombia	HJK	6.20	Coyotesville, N. J.	W2XAL	15.25	London, Ont.	VE9BY	10.51	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	10.51
Bogota, Colombia	HJK	7.56	Daventry, England	GSC	5.93	London, Ont.	VE9BY	11.72	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	11.72
Bogota, Colombia	HJK	7.61	Daventry, England	GSD	9.51	London, Ont.	VE9BY	17.76	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.76
Boston, Mass.	W1XAL	21.46	Daventry, England	GSD	11.75	London, Ont.	VE9BY	17.78	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.78
Boston, Mass.	W1XAL	11.79	Daventry, England	GSE	11.80	London, Ont.	VE9BY	17.78	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.78
Bound Brook, N. J.	W3XL	6.39	Daventry, England	GSE	15.20	London, Ont.	VE9BY	17.78	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.78
Bound Brook, N. J.	W3XL	6.10	Daventry, England	GSA	17.77	London, Ont.	VE9BY	17.78	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.78
Bound Brook, N. J.	W3XL	17.78	Daventry, England	GSA	17.78	London, Ont.	VE9BY	17.78	Skamlebak, Denmark	OXY	9.52	London, Ont.	VE9BY	17.78
Drummond's, Canada	VE9DR	6.00	Mexico City, Mexico	XDA	11.76	Paris, France	FLE	6.12	Paris, France	FYA	15.24	Havana, Cuba	CMCI	6.05
Drummond's, Canada	VE9DR	11.78	Mexico City, Mexico	XDA	14.63	Paris, France	FYA	11.90	Paris, France	FYA	11.70	Khabarovsk, Russia	RV15	4.27
Bowmanville, Ont.	VE9GW	6.09	Mexico City, Mexico	XDA	17.78	Paris, France	FYA	11.70	Paris, France	FYA	10.51	Schenectady, N. Y.	W2XAF	9.53
Bowmanville, Ont.	VE9GW	11.81	Mexico City, Mexico	XDA	17.78	Paris, France	FYA	10.51	Paris, France	FYA	11.90	London, Canada	VE9V	4.79
Bucharest, Romania	YOL	13.95	Mexico City, Mexico	XDA	17.78	Paris, France	FYA	11.70	Paris, France	FYA	11.70	Long Island City, N. Y.	W2XV	4.79
Buenos Aires, Argen.	LSX	10.35	Mexico City, Mexico	XEW	6.03	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Calcutta, India	VUC	6.11	Miami Beach, Fla.	W4XB	5.50	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Calgary, Alta.	VE9CG	6.11	Moscow, Russia	W9XF	6.00	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Calgary, Alberta	VE9CA	6.03	Moscow, Russia	W9XF	5.93	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Caracas, Colombia	HJ5ABD	6.38	Montevideo, Uruguay	W2XAH	5.50	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Caracas, Venezuela	YV1BC	6.11	Montevideo, Uruguay	W2XAH	5.50	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43
Casanblanca, Morocco	CN8MC	6.25	Montevideo, Uruguay	W2XAH	5.50	Paris, France	FYA	11.70	Paris, France	FYA	11.70	London, Ont.	VE9BY	6.43

BROADCASTING) EASTERN HEMISPHERE

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
Austria	GSD	11.75	Daventry, England	GSE	11.86	Poznan, Poland	SRI	9.49	Poland	SWITZERLAND	7.44	Calcutta, India	VUC	6.11
Vienna, Austria	UO2R	6.07	Daventry, England	GSE	11.86	Sydney, Australia	VK2ME	9.59	Radio Nations, Switz.	HBQ	7.80	Radio Nations, Switz.	HBQ	7.80
Sydney, Australia</td														

ULTRA SHORT; ULTRA LONG

THE SHORT WAVES

This Line Illustrates a 6-Meter (50,000-Kilocycle) Wave Traveling 100 Cycles of 6 Meters Each or 600 Meters

This Line Illustrates a 60-Meter (5,000-Kilocycle) Wave Traveling 10 Cycles of 60 Meters Each or 600 Meters
---60 METERS---

This Line Illustrates a 100-Meter (3,000-Kilocycle) Wave Traveling 6 Cycles of 100 Meters Each or 600 Meters
---100 METERS---

THE LONG WAVES

This Line Illustrates a 200-Meter (1,500-Kilocycle) Wave Traveling 3 Cycles of 200 Meters Each or 600 Meters
---200 METERS--- 200 METERS---

This Line Illustrates a 300-Meter (1,000-Kilocycle) Wave Traveling 2 Cycles of 300 Meters Each or 600 Meters
---300 METERS---

This Line Illustrates one 600-Meter (500-Kilocycle) Wave for Purposes of Comparison
---600 METERS---

These lines are correct reproductions of the relative length of radio waves—from the ultra short (50,000 kilocycles) to the ultra long (500 kilocycles) just outside the broadcast band.

In North America, long wave broadcasting begins at 550 and ends at 1500 kilocycles; but in Europe, stations are assigned as high as 155 kilocycles. Short wave is generally known as the frequencies below 3000 kilocycles.

Why [WAVE LENGTHS (METERS) DECREASE] As FREQUENCIES (CYCLES) INCREASE] As Meters Multiplied By Cycles Must Equal Distance the Wave Travels Per Second

As a kilocycle is equivalent to one thousand cycles, it will readily be seen that the ultra short wave illustrated at the top of this page, known as the 50,000 kilocycle wave, is in reality a 50,000,000 cycle wave, meaning that 50,000,000 is the number of cycles it makes in one second. As radio waves are known to travel 300,000,000 meters per second, it follows that a wave making 50,000,000 cycles per second must travel in cycles or waves of 6 meters each in order to travel at its given speed of 300,000,000 meters per second. This particular ultra-short wave is known either as a 50,000,000 cycle (or 50,000 kilocycles) wave, from the number of waves it makes a second, or as a 6-meter wave, the length of each wave so covered. Thus it is in each of the waves illustrated above. The number of cycles described by the wave multiplied by meters (the length of each wave) must equal the 300,000,000 meters each wave must travel in one second, bearing in mind that one kilocycle is the equivalent of 1,000 cycles. Thus do wavelengths (meters) and frequencies (kilocycles) increase and decrease conversely, not unlike the tall and the short man walking side by side. The latter takes more steps (kilocycles) but shorter ones (meters) than the tall man who takes fewer but longer steps and reaches his destination at the same time.

This illustration is presented, however, not to emphasize the theory of meter and kilocycle designation, but to illustrate the great difference between even the short waves themselves—the 100-meter wave and the ultra short 6-meter wave, which descends into an almost straight line of tiny pulsations.

So called short waves are below 100 meters and long waves, utilized for program broadcasting, above. Practically all broadcasting assignments are between the 500 kilocycle (600 meter) wave at the bottom and the 1500 kilocycle (200 meter) wave above, while practically all short wave broadcasting and commercial communications are carried on between the 6 and 100 meter bands.

It is interesting to note that the six waves, from the ultra-short to the ultra-long, actually travel the 600 meters as pictured above in a five hundred thousandth part of a second.