

A-676  
200

# Radio Log and Lore

**25 Cents** (30 CENTS  
Canada-Foreign) — **Winter**

84 Pages of Enjoyment for the Radio Set Owner

Brown Picture SECTION } 4 North American Logs } Colored Atlas SECTION  
3 World Logs }  
9 Short Wave Logs }

*Aileen Stanley*

*Sings the Old Songs*

“Everybody sings the popular hits,” says Miss Stanley, musical comedy star, “but many listeners write for the old favorites, too---hits of 10 to 20 years back. So I am going to sing them.”

NBC-BLUE NETWORK



# WITH THE PUBLISHERS

## Your Radio and Your Enjoyment

Radio Log and Lore is intended to help you enjoy your radio more. The mass of information has been selected with the thought of being useful and interesting to the owner of a radio set. It is a complete and authentic log of all broadcasting stations everywhere in the world (long and short wave). It could be no more complete of any foreign country if it were published in that country. Secondly, it is a concise and complete directory of broadcasting in North America, with station data and program schedules of broadcast networks. This is amplified by a colored pictorial section of radio artists and a colored atlas of maps and charts illustrates the log features. A news section contains events of interest in the United States, Canada and the World. In a word, it aims to tell you anything and everything that has to do with the use of your radio and to make that information the most easily accessible.

### IN THIS ISSUE:

#### LOG FEATURES

<i>North American Broadcast Listings</i>	.	.	Kilocycle . . . . .	Pages 38-39	
			<small>WHITMAN'S RAPID STATION FINDER</small>		
			Sectional . . . . .	41-43	
<i>World Broadcast Listings</i>	.	.	Alphabetically by Cities . . . . .	44-45	
			Alphabetically by Calls . . . . .	46-50	
			Kilocycle (Station Finder) . . . . .	54-55	
<i>World Short Wave Listings</i>	.	.	Sectional . . . . .	51-53	
			Alphabetically by Cities . . . . .	56-57	
			Kilocycle (Station Finder) . . . . .	64-65	
<i>Radio Atlas</i> (Color Section)	)	)	Broadcast Directory . . . . .	60-61	
			Police Calls . . . . .	59	
			Phone Calls . . . . .	62-63	
			Morse Code Stations . . . . .	62-63	
			Air Stations . . . . .	66	
			Ship Stations . . . . .	59	
			Experimental Stations . . . . .	59	
			Television Time Table . . . . .	66	
			Straight-Airline Distances . . . . .	67-69	
			Time Zone Map of World . . . . .	70-71	
How Time Changes . . . . .	72				
Time Zone Map of N. A. . . . .	75				
World Short Wave Map . . . . .	74				
Government of Radio . . . . .	76-77				
How Kilocycles Convert . . . . .	78				
Division of Radio Facilities . . . . .	79				
Network Maps . . . . .	80-81				
Time Zone Map of U. S. . . . .	82				

#### PROGRAM FEATURES

<i>Programs</i>	)	)	List of Network Stations . . . . .	12
			Network Maps . . . . .	80-81
			Transcontinental Programs . . . . .	14-15
<i>Radio Pictures (Brown-Yellow Section)</i>	.	.	Eastern Programs . . . . .	13
			KGO-KPO Programs . . . . .	16-17
			Don Lee Programs . . . . .	18
<i>News Section—World, U. S., Canada—Broadcast News</i>	.	.	.	3-II

### Make a Welcome Visitor a Regular One

If you are not a regular subscriber; if your subscription has expired: Tear this coupon, enclose with 50 Cents [70 Cents in Canada] in stamps or coin, and be sure you will receive each issue regularly.

Please Send RL&L..... My Address .....

# Radio Log and Lore

THE WORLD'S BEST  
Volume 4; Number 2

[ 50 Cents per Year ]  
[ 70 Cents Canada and Foreign ]

LOG OF THE WORLD  
(Quarterly) WINTER

## Films Look to Radio for New Blood

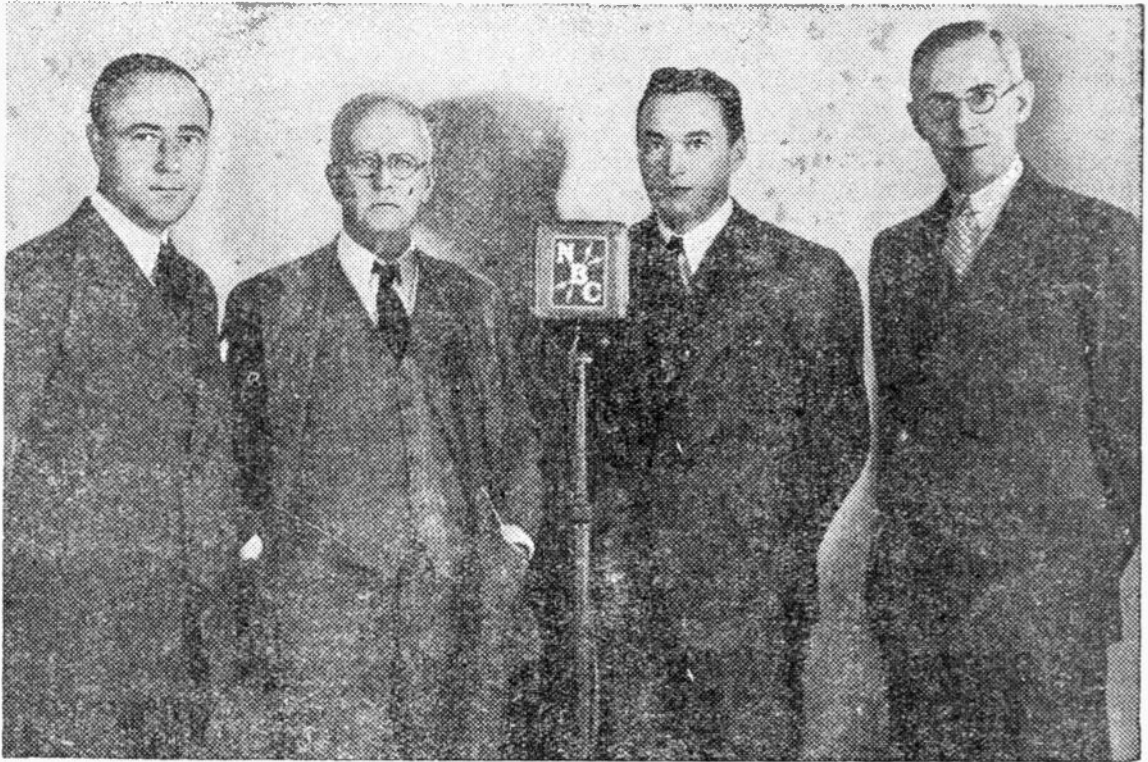
News from Hollywood is to the effect that picture producing companies are laying plans to make moderate cost productions with radio stars as the draw, to replace the fading westerns. There has been a decided falling off in the receipts of small town theatres and studios believe that ether stars are just the tonic needed to revive the rural trade and to successfully carry on where the hit and run riders of the wide open have fallen down on the job.

Keen executives in the industry have had an eye on radio developments for some time and insist that radio and the personalities it develops are too important to be ignored. There being no way to stop radio, they figure the next best bet is to capitalize the new competitor by turning this ether star popularity into bad theatre admissions. Thus it is quite reasonable that many others besides Amos 'n' Andy and Kate Smith will be replacing wearers of ten-gallon hats, and they hope, with greater appeal.

So far Paramount has taken the lead.

## Miracle of Radio:

Transcontinental Network Carries Voices of Noted Journalists to Mountain Hamlets and Isolated Farms on Election Night



President Aylesworth, left, invited Arthur Brisbane, of the Hearst Newspapers, Walter Lippmann, columnist of the New York Herald-Tribune, and George B. Parker, editor-in-chief of the Scripps-Howard Papers, reading left to right, to be his guests at the election night broadcast over the NBC network. Every NBC station took the election returns service which began at 6 p.m. Eastern time and continued until 2:30 the following morning.

## Back in the 1920's Seattle and KJR Were on the Air

Please Turn to Page 34 for Pictures

Back to the good old 1920's. A plaintive voice emerged from one lone five watt tube a little bit raucous perhaps, but then who could be particular in 1920? "This is KJR, Seattle", said the announcer, operator, owner—all one man. Four hours previous on this same day in Connecticut, the natives were discussing "one of those there wireless contraptions". If one was inclined toward argument Connecticut won by four hours in having the first broadcast station in the U. S. A. Today the station in Connecticut is forgotten, but not so with KJR. Born during a political campaign, new power tubes were added like new teeth to a babe. Ten watt, fifty watt, one hundred watt, Tsk! Tsk! What next! Those were the days when binding posts and knobs cost twenty five cents apiece. The same variety one can buy now at twenty five cents a hundred. Crystal sets, eight inches by twelve inches, four inches deep sold for twenty five dollars, with headphones. Headphones — well everybody couldn't afford them, and what was a loud speaker?

As it is true of any history, it is difficult to find definite records giving the exact dates that have to do with the early history of radio station KJR. We are reliably informed that the radio station known as KJR was founded by Vincent Kraft in 1920. Mr. Kraft is still in the radio business and operates one of Seattle's stations. He tells us that he has the first transmitter equipment that was used at that time when KJR was known as 7-XC. This was before the Government supervised or issued licenses for the operation of radio stations and when such stations as operated at that time—and there were only three or four—it was on a "hit and miss" basis. They were not called radio stations then, and whatever programs were presented or broadcasting was done, it was the result of the station manager, operator, engineer, technician, owner and staff help and whatever else he may have been called, who played a phonograph record or presented that which went to make up the program. KJR, or as we have said, 7-XC at that time, was a 5 Watt station and operated

from the residence of Vincent Kraft, Seattle. The first broadcast presented by 7-XC was July 2, 1920—the Dempsey-Carpentier fight being held in the East. Telegraphic service from Annapolis made it possible for 7-XC to get the fight by rounds, which resulted in their presenting this program. From this time on, the station operated on a regular schedule basis, which as it is recalled, was three days a week. A short time later, the station went to 10 Watts, then to 50 and 100. It was about a year after 7-XC came into existence that the Government gave to it its present call letters — KJR, at which time a simultaneous move by the Government issued call letters to KDKA.

As far as kilocycles were concerned, no one ever heard of it. It was wave band and the broadcast transmitter was adjusted something like this. The Radio Inspector as he was called then (they call 'em supervisors now) listened in on a multi-tube receiver usually home-made and the transmitter was timed to the setting he had on his receiver for that particular wave band.

# MADRID INTERNATIONAL CONFERENCE FAILS TO RELIEVE BROADCASTING

## Body Does Lots of Talking But Does Not Lengthen Span

The Madrid Conference has come and gone and with it have also gone what hopes may have existed for the lengthening of the broadcast span. The Conference went into session September 3 and completed its labor on September 9, after utilizing most of its time in a general reorganization scheme and bitter arguments over allotment of the voting strength of various nations. While there was a whole lot of discussion regarding relief for the congested broadcast span, 550 to 1500 kilocycles, it remains a fact that broadcasting is still engulfed by the mobile services, 460 to 550 kilocycles and above 1500 kilocycles. The band between 460 and 550 kilocycles was the spot where powerful broadcasting influences from North America had hoped to obtain concessions; similarly European broadcasters were determined to have these channels thrown open for program services, but the Convention refused to sanction any changes and when adjournment was made, the allotments of the Washington convention, giving these bands to the mobile services, were still in effect.

The Convention did, however, make some concessions between 160 and 460 kilocycles, but with a good many strings attached. Individual countries were allowed to assign these various bands to broadcasting at their option but always on the condition that at no time could they interfere with the rights or privileges of other countries that were still using them for mobile services. However, two regional conferences were arranged to follow in the wake of the Conven-

tion; one to be held in Europe for mutual agreement and assignment of privileges below 460 kilocycles and a similar conference to be held at Mexico City to decide on use of the same bands for North America. Generally speaking it was a hollow victory for the broadcasters, as the new bands do not run consecutively with the present broadcast span, but rather entails the dialing through the dead space other than broadcasting services.

Considerable was accomplished, however, in the way of reorganization. It is a fact that the greater portion of the telegraph service regulations dated from the St. Petersburg Convention of 1875, while radio services were governed in the most part by the Washington Convention of 1927. These regulations were consolidated and then sub-divided under the head of Telegraph Regulations, Telephone Regulations and Radio Regulations.

In order to be able to sign the Convention, a country must sign at least one of the sets of regulations, but is not bound by those articles of the convention which refer specifically to the set or sets of regulations which it has not signed. In addition to these four documents, there were also signed at Madrid a number of protocols--one containing certain reservations on the part of certain countries regarding specific points on the Telegraph Regulations signed by them, a second containing reservations to parts of the Radio Regulations, and a third--of great importance to broadcasting--a European protocol establishing

the procedure to be adopted by a European conference which will allot waves to European broadcasting stations.

Important improvements have been made recently in the Algiers Radio studios. A system of movable screens has been installed which permits the room to be made larger or smaller, to obtain a suitable resonance and echo.

### Prince Strong for Hanshaw Recordings



The Prince of Wales has taken a great fancy for Annette Hanshaw's singing and has ordered all the records made by the young woman, either under her own name or as Gay Ellis, Dot Dare or Patsy Young.

### New Viennese Tenor, Fassell Signed by NBC



Otto Fassell, a Viennese radio favorite, and the latest of Europe's tenor sensations to be introduced to American audiences via radio, has been signed by NBC. Fassell is one of a half-dozen living singers to have the honorary title of "Kammersaenger" awarded by the Austrian government. He sings in English, French, German, Polish, Italian and Russian, speaks all of these languages fluently with the exception of English.

## Eskimos Listen

### Saw Hutchinson Plane Winging Its Way North and Now Listen Eagerly for the Family Broadcast



Fur-clad Eskimos who watched while George Hutchinson and his Flying Family winged their way over Labrador and Greenland on their proposed flight to Europe were among the most interested listeners to the Hutchinsons' recently dramatized broadcasts of their adventures. The Hutchinsons received a letter from their listeners at Hopedale, a little village of about 135 Eskimos and ten whites, located in Central Labrador. The letter was congratulatory in tone and was written by the settlement priest; all the Eskimos attaching their signature mark to the letter.

The Flying Family also has received messages from Juliananehaab, Greenland, another landing point on the flight. It was after leaving Juliananehaab and rounding Cape Farewell that the Hutchinsons were driven down by a storm, and forced to complete their journey to Europe by boat.

After reaching land, however, they again took to the air, and in three days flying Kathryn and Janet Lee saw more of England, Scotland and Ireland than their grandparents had seen in thirty years residence on the British Isles.

### SEND YULETIDE GREETINGS

The Danish Broadcasting Company arranged during the recent Yuletide season, for relatives to broadcast Christmas greetings to the Danish "exiles" in Greenland.

## Hatchet-Day Dramas

*Not Relished by*  
**San Francisco Chinese**



*Chief-of-Police Quinn,*

of San Francisco, proved a good story teller, but his stories were too realistic. The Chinese of his city objected to his stories of early Chinatown, when the chief was a member of the Chinatown squad.

The Chinese dragon, somnolent in San Francisco's Chinatown for almost a generation, opened his jaws and roared in the traditional manner of dragons who are angered. The occasion was the recent series of broadcasts over the NBC-KPO networks, in which the early hatchet-day stories were narrated by Police Chief Wm. J. Quinn, and dramatized by the National Players augmented by members of the Chinese younger generation. The ideas of the older generation, however, were different and a strained tension in the Chinese quarter was relieved and possible international complications avoided when NBC decided to discontinue the series. Leading citizens in the Chinatown of today didn't approve of the idea of reincarnating the old, violent days of Hatchet-men and opium dens, even over the microphone.

Important in the cast were Peter Wong, youthful Chinese actor and Miss Helen Fong. Wong sensed the undercurrents among his fellow country-men and withdrew from the cast, sending another actor, Leung Fung, who was less prominent in Chinatown than himself, to take his place, but half an hour before one of their broadcasts, Fung and Miss Fong were missing. They sent messages explaining that while the old days of reprisals by violence are over, their respective family associations thought it "unwise" for them to assist in the Chinatown plays. Chinese musicians, apparently overlooked by their family associations, turned up at the studio on time, and supplied the background music as scheduled. Occidentals subbed for the Chinese for the one broadcast, but the series was immediately discontinued.

A high power station, built by the Telefunken Company, was recently opened at Nanking.

## Blessing Is Radio in Far North

**Eskimos Dance to Daventry Music**

The blessing that radio may be to mankind is manifest in the case of the lonely and winter bound people of Greenland, who now enjoy music and literary programs and a news service from the outside world. Even at Godhavn, which is in the very shadow of the north pole, people dance to music from Daventry, until Big Ben tolls out the hour of midnight, signifying 2LO is signing off for the night.

In the evening, Copenhagen sends a news broadcast in Danish to Skamlabæk, in North Zealand, by land line, where it is rebroadcast later in both Danish and Eskimo from the three big stations at Julianahaab, Gotthaab and Godhavn. Thus the news is picked up all over Greenland. In settlements and colonies it is typed and distributed and posted in public places.

## Bate Goes to England for the National



Frederick Bate has been appointed as European representative for the National Broadcasting Company with headquarters in London, and will co-operate with Dr. Max Jordan, who has headquarters in Berne. Both men are working toward the promotion of the mutual exchange of radio programs across the Atlantic and assisting foreign countries in obtaining American program features for rebroadcast.

## Father Hubbard, Glacier Priest, Tells of Daring Descent Into Crater's Mouth



Geologists the world over have manifest keen interest in the recent broadcasts of Rev. Bernard R. Hubbard on his discovery of the three largest active volcanic craters in the world.

Father Hubbard, known the world over as the "Glacier Priest," recently returned from Alaska where his plane made a successful landing inside the crater walls on a small lake in the volcano Aniachak. In addition to his radio talk, Father Hubbard made an extensive tour of the country.

## "BIG BEN" SPEAKS IN SAX ROHMER STORIES

"Sound-effecting" as an adjunct to radio broadcasting is becoming a highly specialized art these days. Consequently when a prominent manufacturer of church chimes listened in on the Fu Manchu broadcasts, he was so impressed with the realistic effect of the "Big Ben" chimes that he immediately wrote to Fred Ibbet, Columbia's director of broadcasts, inquiring for the name of the device which "certainly could be used in connection with the chimes we install in churches and colleges." Ibbet was forced to reply that it would not, as the sound effect is a recording made in London, directly beneath the famous "Big Ben", and sent here specially for Fu Manchu programs.



## Adventure Stories by Carveth Wells

World stories of adventure are being broadcast over an NBC network by Carveth Wells, famous world explorer. A number of broadcasts will also deal with America, over which Wells made an airplane tour during the summer.



# Radio Log and Lore

Published Quarterly By

WHITMAN RADIO PUBLISHING CO.

Business and Publication Office:

KIRKLAND, WASHINGTON, U. S. A.

W. R. WHITMAN . . . . . Publisher  
ALICE M. WHITMAN . . . . . Editor  
EMUGENE R. WHITMAN . . . . . Assistant Publisher

Entered as second-class matter at the postoffice at Kirkland, Wash., under the act of March 3, 1879. Entire contents copyrighted, 1933, by W. R. Whitman. Printed in U. S. A.

## SUBSCRIPTION RATES:

One Year [Four Issues]	50c
Canada and Foreign	70c
Six Months [Two Issues]	30c
Canada and Foreign	40c

ONE has to go away from home to get the news. Some time ago Fritz Kreisler's public was a bit puzzled to learn that when he signed for a series of concert appearances with NBC Artists Bureau, there was a clause to the effect that he would broadcast for NBC "if and when" he decided to face the microphone; was the world's leading virtuoso surrendering to the inevitable? ¶ Mr. Kreisler takes the editor of the British Broadcasting Corporation's official publication, *World Radio*, in London, into his confidence. He said: ¶ "We, the older artists, want to keep on playing as we have always done, because it would not be easy for us to make changes for the peculiarities of radio performances. I am convinced that much music, especially the great concertos, would have to be performed differently for the microphone from the performance which playing only for visible listeners demands. The expression 'over the air' seems to be a modification of what one does naturally. I have heard my colleagues broadcast, and I am not favourably impressed. I think it would be a decided risk for a well-known concert artist to broadcast promiscuously. If he goes 'on the air' at all, he should first learn all the tricks of the trade, then go frequently before the radio microphone. That is the course I have planned for myself, but before I begin I shall have thoroughly studied the requirements of this new art of expression and learned all its secrets, just as those of the platform. Not until then shall I turn to radio."

AROUND holiday time English people were quite concerned over the inauguration of Empire Broadcasting. Inspired by the occasion, the King's chef baked an Empire plum pudding made of Empire ingredients, from the earth's four corners. A quarter gill of brandy comes from Australia or South Africa; a half gill of rum from Jamaica or British Guinea and a pint of beer from England, Wales, Scotland or Ireland.

The eventual scope of radio in public life and just how far politics and broadcasting will go together is still uncertain, but they have gone far enough to establish that any man who isn't a competent microphone performer simply is not a successful politician, and vice versa. Seattle provides the latest striking example, when a comparatively unknown lawyer, in conducting a series of advertising programs for a chain of dental offices, became intimately acquainted with and evidently won the confidence of the listeners, and was elected county commissioner. The man with microphone manners is John Stevenson and the point of interest in the case is that he was elected only after he besought court aid and compelled the election authorities to enter his name on the ballot as "Radio Speaker John Stevenson," in order that his public be not misled and inveigled into voting for another John Stevenson, who had filed for the same office. While Mr. Stevenson has not yet taken office, he is still keeping faith with his public and hieing himself regularly to the microphonic trysting place.

We wonder if the Federal Radio Commission, not officially of course, paid any heed to the recent election returns, and noticed that Dr. Brinkley made a very creditable showing for a high office in his home state of Kansas and that Rev. Bob Shuler, of Los Angeles, ran for an equally high office and likewise made a creditable showing. Thumbs down on both these gentlemen, or perhaps to be more correct, on their respective radio stations, was the commission, but the votes of their constituency was rather commendatory. We do not know whether Norman Baker, formerly of Muscatine, Iowa, or Mr. Henderson, of Shreveport-on-the-Air, have office-holding aspirations, but it would seem by the habit the people have of giving votes of confidence to Radio Commission cast-offs, that they should be prime potential political timber.

Speaking of Norman Baker, it is reported that he is about ready to join Dr. Brinkley as a Mexican broadcaster and will shortly go on the air with the second high-power station, near the Texas border. Only Mr. Baker's station will have a very modest output of 150 kilowatts, whereas Dr. Brinkley's has only 75 kilowatts. Baker's station has been licensed by the Mexican govern-

ment under the call XENT. It has been built at a cost of \$225,000 and its kilocycle assignment 115, is between WPG and WRVA.

Thus so much more grief for American broadcasters. Canada particularly had looked to the Madrid Conference to iron out the North American controversy over air channels, but running true to form, European countries could not even agree on their voting; so little was accomplished. However, the North American delegates agreed to meet in Mexico City, where it is hoped some solution of air privileges can be arrived at, to be respected and enforced by all nations.

Wired radio, the basic idea of which was discovered by a United States army officer, Major-General George A. Squier, at a time when radio was pretty new, and which has flourished in Europe, is due for a tryout in this country, according to gossip. It is said that a company subsidiary to the North American Company has been formed and is making plans for the United States venture. Briefly, wire systems, either power or telephone are utilized as carriers, instead of the ether, and thus the listener is not annoyed by static in the air; also as no commercial sponsor is footing the bill, advertising is not forced upon the listener. What many would like to know, including those with money in the present "space radio" organizations and those putting up money for the new "wired radio", is, would the public rather pay for their broadcast, or get it free and hear what they hear in the way of advertising.

We believe the great majority of listeners have the friendliest of feelings for broadcast stations and program sponsors generally. Most advertising, particularly that incidental to national hook-ups, is cleverly planned and entirely unobjectionable. The most frequently voiced criticism, is not against the nature of the spoken lines, but the loud voice in which it is repeated. In other words, with the set tuned to permit of orchestra music of about the right volume, the advertising announcement comes bellowing in loud enough to distract and prevent conversation in the room. After a scramble to the dial to curb the announcer, the music returns, too low to be audible,

# England Launches Zone Broadcasts to Entire Empire

## THE EMPIRE SET-UP

Zone	Country	Call	Kilocycle	Time
Zone 1—Australasia		GSD	11,750	9:30 a. m.
		GSC	9,585	
Zone 2—India . . . .		GSG	17,770	2:30 p. m.
		GSE	11,865	
Zone 3—So. Africa		GSC	9,585	6:00 p. m.
		GSA	6,050	
Zone 4—W. Africa		GSB	9,510	8:30 p. m.
		GSA	6,050	
Zone 5—Canada . .		GSB	9,510	1:00 a. m.
		GSA	6,050	
Alternate Stations:		GSF	15,140	
		GSH	21,470	

Monday night, December 19, 9:30 [G. M. T.] the Right Hon. J. H. Whitley, Chairman of the Governors of the British Broadcasting Corporation, speaking at Broadcasting House, London, the event being the opening of England's new Empire Short Wave Stations at Daventry: "Good evening, everybody! My colleagues and I---the Governors of the B.B.C.---send our warm greeting to listeners everywhere!

For a long time we have been thinking of the possibility of an Empire broadcast service. To-day we are happy to send out the first program.

Remember, it is only a beginning: for we depend upon your co-operation to make the service better and better as time goes on. Now I make way for Sir J. C. W. Reith, Director-General." Thus was realized England's dream of Empire broadcasting---eight transmitters, each with its own call and kilocycle assignment, to serve five zones, into which the English Empire has been divided for broadcasting. The inauguration, however, sounded the death knell of what was perhaps the world's most famous short wave station G5SW, familiarly known as Chelmsford to listeners.

Director-General Reith said the occasion was as significant as any in the history of British broadcasting; a significant occasion in the history of the British Empire---how significant it would be unwise at the moment to say. A great deal of experimenting had yet to be done.

On Christmas day the Empire system was used to broadcast the King's speech, and it was successfully heard in Australia, India, Africa and Canada.

Roughly, each zone will receive a broadcast from a directional beam antenna of two hours per day, for a week, between the hours of 7 and 11 p. m., local time. Each of these local broadcasts will be sent each zone on an average of once a month and for testing purposes, each broadcast will go out on two different transmitters, of different wavelengths, until it is ascertained what band is best for each particular location. When this has been determined, a definite service and a single transmission will be decided upon. In the meantime a close check will be kept on programs, to learn what class of entertainment is best liked in each locality.

## Short Wave Suggested for Inter-Office Communication



This picture illustrates one of the possibilities of short wave. E. K. Cohan, above, Technical Director of CBS, who is speaking into a one-watt portable transmitter on his desk and Chief Division Engineer Henry Grossman, below, who listens with a receiver in a television studio, wonder whether these five meter outfits will someday find general use for inter-office communication as well as in the field of remote control broadcasting.

### SHORT WAVE NOTES

Some of the latest reports on the French stations are: station FTN is no longer on voice; FTM on 15.5 meters, works with Rabat, Africa and FTK on 19.12 meters, works with Saigon, French Indo China.

J1AA at Kemikawa-Cho, Japan, is on a regular schedule now and relays JOAK programs from Tokio to Manchuria. The station is on 30.4 meters and is on the air from 5 to 7:45 a.m. E.S.T.

RW59, Moscow, Russia, broadcasts the Midnight chimes from the Kremlin, heard in the Eastern zone each afternoon at five. The government buildings of Russia, which are within the walls of the Kremlin, contain many things of historical value that date back many centuries.

A new short wave station, W4XB, has been established at Miami Beach, Florida. It is owned by the Isle of Dreams Broadcasting Company and relays WIOD on 49.69 meters.

The following stations are now operating in Ecuador: HC1DR at Quito, on 47 meters; HCJB at Quito, on 52.5 meters; HC2JSB at Guayaquil, on 37.5 meters; HC1RM, a military station on 43 meters and HC1SC, an amateur station 40 meters.

# This Is How It's Done in Radio



This is how it's done in radio: Eva Gruninger, NBC singer whose beautiful contralto voice has been heard transcontinentally many times, appeared just as usual when she arrived at the studio for the Cecilians program a recent Sunday afternoon. But half an hour after the program ended she was standing by the side of Dr. Thomas E. Gibson, noted San Francisco surgeon, at a quiet bridal ceremony in her home. The couple spent their honeymoon at Carmel, but returned in time for NBC's newest bride to sing in Balladettes Tuesday afternoon.

One of the best loved stars in western radio, Miss Gruninger makes frequent concert appearances, and is a principal in the San Francisco Grand Opera Company, with which she appeared during the recent season. She was the soloist at the opening of the San Francisco War Memorial.

Victor Lindfoot, NBC San Francisco announcer, and baritone soloist, has reason for his "unfaze-able front" while in the studio. Much of his professional singing experience was gained overseas during the war. Victor, still in his "teens, sang in concerts for the Royal Canadians, and gas and bombs frequently interrupted his performances.

Three times each day, for ten minutes, Irma Glen, Chicago NBC organist, walks about the studio with a seven pound sandbag atop her head. Her doctor says it exercises the back muscles which get no work when Irma plays the organ.

## Brass Band on His Wedding Tour



Meredith Willson, NBC orchestral leader, says that he and Mrs. Willson took a brass band along on their honeymoon, but that is a bit of exaggeration. The band was John Philip Sousa's, and Willson was its flute soloist when he married the girl who was his childhood sweetheart, just as the band started on tour.

Annette Hastings, auburn-haired member of NBC's Coquettes, has taken up walking to reduce, and the other day she decided to make a really heroic effort by walking from her apartment to her mother's home — five miles away. She arrived there a couple of hours later, only to discover her mother was absent, and — worse — that she had left her purse at home. There wasn't anything to do except trek back, which gave the plump little soprano a record-breaking jaunt of ten miles. "And after all that walking, I lost only half a pound!" she mourns.

## JUVENILE STAR



### Organist Comes from Family of Divines

Paul Carson, who builds the "Bridge to Dreamland" for NBC listeners Sunday nights, with the aid of an organ keyboard, is the descendant of several generations of clergymen, but never felt the slightest desire to enter the ministry.



Dickie Le Grand, NBC juvenile star, is growing up. He became "Richard Le Grand Jr.," on NBC casting sheets, by his own request, the other day — "because I'm almost thirteen, now, and that's too old to be called 'Dickie'."

### Gail Taylor Bears Likeness to Estelle



Gail Taylor, NBC soprano, is used to having acquaintances remark upon her resemblance to Estelle Taylor of picture fame — but there is no relationship.



### Resembles Gloria, Says Director

Connie Boswell, of the Boswell Sisters now in Paramount's "The Big Broadcast" bears a striking resemblance to Gloria Swanson, according to their director, Frank Tuttle, who formerly directed Miss Swanson.

## Radio: Its Heroines

Radio has its heroines — for instance, Bernice Berwin, NBC actress, was cast on a Doctor Dick program the other morning, and arrived at the studio to discover that as the "love interest" in the dramatic sketch, she had to sing the aria from the opera "Romeo and Juliet" — accompanying herself on the piano. She had never attempted to sing, much less to play, the "Romeo and Juliet" score before, but with less than an hour's rehearsal, she did it, and came through with flying colors.







### Kate Smith Breaks Her Glasses

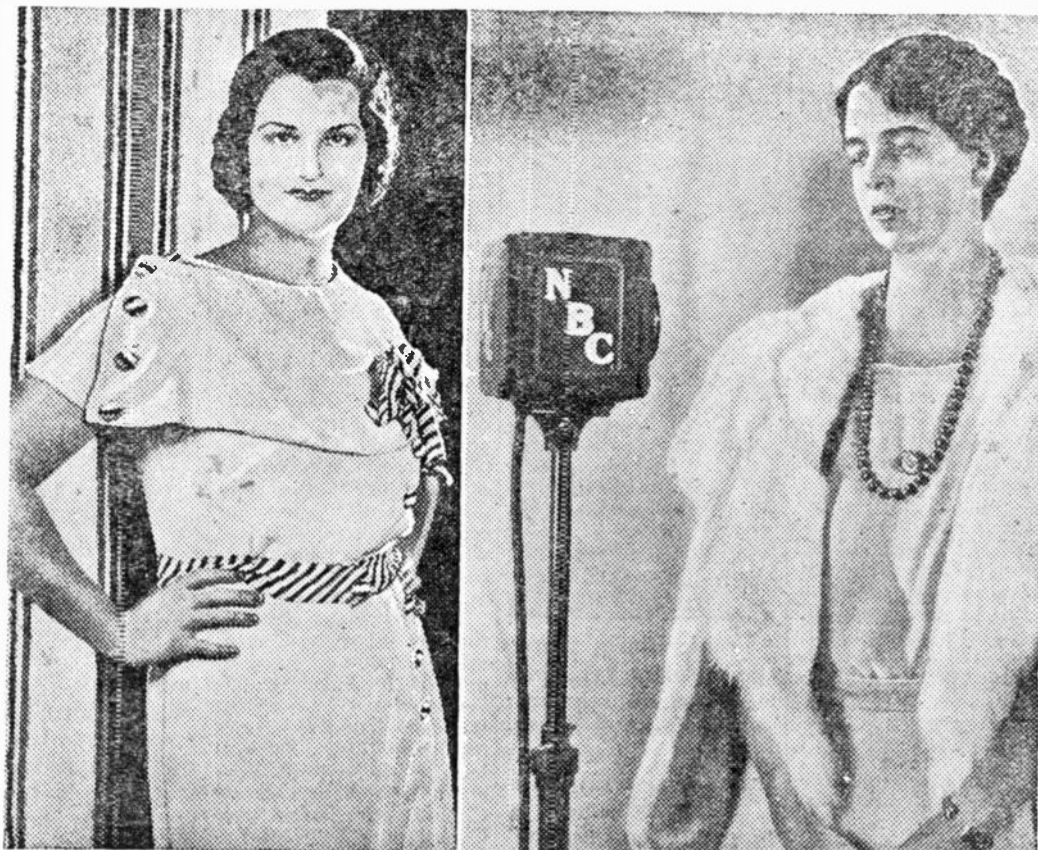
Good-natured Kate Smith had a narrow escape in the crush of enthusiastic fans who crowded around her at Grand Central Station when she left New York for Hollywood and the Paramount movie lot. The press of the throng splintered her seldom-worn spectacles, the shattered bits narrowly missing her eyes. A description of the lenses was wired to Chicago, where a new pair was handed her en route.

“Can't I ever escape this fellow O'Connor?” asks John Holbrook NBC announcer. Two years ago Holbrook and Charles O'Connor played together in a stock company in Waterbury, Conn. Shortly after, Holbrook joined the announcing staff of a Boston station. A few weeks later O'Connor turned up in the same studios. Holbrook moved over to WBZ, NBC associate station in the Hub. Before long, O'Connor followed him over. So Holbrook jumped to the NBC headquarters in New York. A few months ago, Holbrook saw a familiar figure announcing in the NBC studios. It was O'Connor.

The versatility of Jack Smart, CBS radio actor noted for his impersonations of famous individuals on the “March of Time”, was recently put to a test when he was asked to imitate a small dog on Fred Allen's Revue. He carried out his assignment with his usual perfection, but the sight of the hefty actor emitting the sounds of a tiny pup provoked the studio audience to gales of laughter which nearly disrupted the program.

Eddie Duchin's peculiar style of piano playing is due to the fact that he plays the majority of his solos cross-handed. In this manner, he attains the interesting effect of producing the melody in the bass section while the higher notes supply the harmony.

## Roosevelt and Garner



Mrs. Franklin D. Roosevelt, wife of the president-elect is appearing in series of broadcasts for unemployment relief, over the NBC-Red Network. Miss Nancy Garner, a coloratura soprano from Texas and a cousin of Vice-President-elect John Nance Garner, also sings over the same network.



### Frank Munn Is an Engineer

Frank Munn, whose voice is heard over NBC networks, studied mechanical engineering, specialized in automotive engineering, and was headed for a career with a motor car firm when a foreman heard him sing. The foreman was pleased. Munn decided his voice would please anyone if it pleased the foreman, so he abandoned motors for music.



### Elsie Hitz a Button Collector

Several years ago Elsie Hitz, CBS actress featured on the new “Magic Voice” series, was playing in Boston and the theatrical press agent sent out the story that she was a collector of buttons. Ever since she has been receiving all sizes and descriptions. They are kept in a trunk in her attic and she wouldn't dispose of them for the world.



### Richard Gordon a Painter

Richard Gordon, alias Sherlock Holmes, could have been a commercial artist instead of an actor, had he cared to pursue his early bent for painting. The NBC actor attended the Yale Art School at New Haven and his efforts were recognized by Bridgeport, Conn. artists in 1900 when the Thumb and Tack Club of that city made him a member.

### Now He's Over NBC

Dick Teala, sang in a choir, drove a milk wagon, a hearse, played football, put the shot, won the Wisconsin Atwater-Kent auditions, swam four hours in a storm when his speedboat capsized, and worked as a golf pro, all before he was twenty. Wandered into the NBC studios a few months back to see what they look like, and now you'll hear him over NBC with Harold Stokes and his orchestra.

### Phillips Carlin Goes Fishing

Phillips Carlin, NBC executive who is an enthusiastic angler recently received an unusual “mess of trout”. He had so frequently inquired as to the size of the trout in Dean Gleason L. Archer's private pond in Norwell, Mass., that NBC's law lecturer cut silhouettes of some of his finest specimens out of paper and mailed them to Carlin, who immediately went fishing.

### Returns Lanny's Picture

One of Lanny Ross's most ardent feminine fans has sent his picture back! With many chidings and heartfelt regrets, a lady who was endeared to the Lanny who starred over NBC with Don Voorehees orchestra on the fifteen minute Maxwell House program for nearly a year, feels that his love affair with Mary Lou in the new Show Boat program proves him unfaithful to her.

## Lost Planes Rescued by Radio's Aid

Fourteen airplanes—lost in a heavy fog, with their only hope pinned on their chances of landing safely on a field without lights. Radio met this situation when it occurred recently near San Diego, and the fourteen fliers were saved injury and possible death.

The airmen's plight first became known when station KFSD received a request from Flight Commander Davidson, asking KFSD's aid. The planes were being instructed by radio to land on Camp Kearny Field, but it had no lighting facilities—could KFSD help? Immediately a call for aid was flashed on the air and NBC listeners came to the rescue. Within an hour 2,500 cars reached Camp Kearny and flooded the landing field with their lights and the entire group of fourteen planes landed safely.

### Phil Cook Signs

Phil Cook, versatile "one man army of voices", has signed a new long-term agreement to appear under the exclusive management of the National Broadcasting Company's Artists Service, George Engles, managing director, announced today. Cook is a veteran radio entertainer who made the phrase "O. K. Colonel" a byword throughout the United States and is often referred to as the "Lon Chaney of radio".

Mary Wood, NBC soprano, seldom wears the same costume twice in a week.

### Frank Black Named NBC Music Head



Frank Black, whose appointment as general music program director of the National Broadcasting Company was announced recently, is a strong advocate of simplicity, and the preservation of melody in music.

The new director has had wide experience, and is an accomplished pianist, conductor and composer. He has written and arranged music for radio and appeared before the microphone for years as accompanist for the famous Revelers.

## To Reduce Size of U.S. Radio Body

News from Washington is to the effect that the Radio Commission will be reduced to three members. Congress is attempting to enact into law the Couzens bill creating a Commission on Communications. If it passes, it will automatically abolish the present Commission. Should opposition arise to the new bill, an attempt will be made to amend the present radio law to reduce the number of commissioners. The proposed amendment will terminate the appointment of all four of the commissioners and allow for only three commissioners, who will serve the whole country instead of representing a particular zone.

Talk in official circles is that the only present commissioner sure to be reappointed is Judge E. O. Sykes, who has served on the commission ever since its organization. This will leave both a Republican and a Democratic vacancy. Commissioner Starbuck and Congressman Ewin L. Davis are considered possible candidates for the Democratic appointment.

### Cantor in Cast

There is a theatre manager in Milwaukee who is a keen student of the trend of public tastes. When he sees a rival attraction interfering with the Sunday night paid admissions, he plans to meet the emergency. Thus Manager Al Krool of the Alhambra Theatre, who had noticed that the Sunday evening customers were loathe to leave the fireside until after the Cantor broadcast, which, by the way, was too late for the Alhambra performance, at once made Cantor a member of his cast, via the loud speaker route. Theatres in different parts of the country tried the scheme with Amos 'n' Andy until stopped by NBC.

## Paramount

fetes  
Kate  
Smith

Gala  
Event  
at  
Ambassador  
Hotel



Leading figures of the motion picture and Pacific Coast radio industries united in a testimonial dinner and reception for Kate Smith, queen of the air, at the Ambassador Hotel's Coconut Grove in Los Angeles on the night of Tuesday, December 20. Miss Smith is now starring in a motion picture, "Hello, Everybody!" for Paramount, who sponsored the party to honor the twenty-three-year-old girl who has endeared herself to millions not only by the magic of her voice but by her charitable efforts which, it is said, have been responsible for raising more than \$250,000 for hospitals, orphanages and disabled soldiers. Miss Smith sang several of her songs, including "When the Moon Comes Over the Mountain". Other notable figures of the screen, radio and song-writing worlds also entertained. The Ambassador Hotel presented guests with hand sculptured dolls of Miss Smith.

## Schenectady Director



### David Buttolph Organizes New WGY Orchestra

David Buttolph, musical director of WGY, has organized and is directing a municipal orchestra of forty men at Schenectady, N. Y.

Buttolph's musical training began when he was five, and from eight to twelve he was a member of the boy choir of Grace Episcopal church, New York.

## Oldest Announcer on NBC's Pacific Coast Network

Jennings Pierce, NBC chief announcer and director of special broadcasts, is the oldest announcer, in point of service, in the Pacific Division headquarters, for he was the first announcer ever employed by station KGO, before it became the key station of the National Broadcasting Company's first Pacific Coast network.



STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912.

Of Radio Log and Lore, published quarterly at Kirkland, Washington, October 1, 1932.

State of Washington, County of King—ss.

Before me, a Notary Public in and for the State and county aforesaid, personally appeared W. R. Whitman, who, having been duly sworn according to law, deposes and says that he is the publisher of the Radio Log and Lore, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied

in section 411, Postal Laws and Regulations, printed on the reverse of this form, to-wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, W. R. Whitman, Kirkland, Wash.; Editor, W. R. Whitman, Kirkland, Wash.; Managing Editor, W. R. Whitman, Kirkland, Wash.

2. That the owner is W. R. Whitman.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

W. R. WHITMAN,  
(Signature of editor, publisher,

Sworn to and subscribed before me this 13th day of October, 1932.

(Notarial Seal) O. S. PENNEY.  
(My commission expires April 7, 1933.)

# Canada Plans Super Chain

## Madrid Delegates Return

(Ottawa Correspondence)



MINISTER DURANLEAU

A new deal for Canada in broadcasting it is believed will result from the recent gathering at Madrid of the International Telegraphic Union. Minister of Marine, Alfred Duranleau, who was a delegate representing Canada, has returned from Madrid, and the report of the Canadian delegation has been submitted to the House of Commons. While no statement is forthcoming, it is known that Mr. Duranleau and the entire Canadian delegation believe that Canada will benefit as the result of the actions of the Convention. It is understood that Canada, the United States and Great Britain presented a united front against the encroachment upon certain zones vital to inland and trans-oceanic navigation. It is believed, however, that tentative agreements have been reached for additional channels for Canada that will facilitate the launching of the new national radio hook-up.

Things have moved fast since Hector Charlesworth became chairman of the new Canadian Broadcast Commission, with Lieutenant Colonel W. A. Steel and Thomas Maher as members. Although Mr. Charlesworth made the statement that a survey would be made to see what improvements could be affected in radio programs and service in the Maritimes and in West Canada, changes will be made in unexpected directions.

Erection of six 100,000-watt stations, in carefully selected cities throughout the Dominion, will be one of the first steps to be taken by the new Canadian Radio Broadcasting Commission. These six stations will constitute the first cross-Canada network. There will be broadcast, as soon as possible, sustaining programs of the finest grade entertainment available. The commission will permit continued operation of local

# Vancouver Girl Sings With Novis

Vancouver Staff Correspondence



For Picture of Miss McEwan, please Turn to Page 31

Now that Donald Novis has scaled the heights of radio stardom, I wonder how many people know that our own Isabel McEwan was his team mate for a series of broadcasts over KNX at Los Angeles. Novis later appeared on NBC's Pacific programs and finally was called to the New York studios; Miss McEwan returning to Vancouver. While in California she appeared in pictures with Maurice Chevalier and Jeanette MacDonald in the Love Parade and Denis King in the Vagabond King. When Isabel got home to Vancouver she found another McEwan in the radio studios, Katherine McEwan, (no relation) and a contralto. Isabel agrees with us all that Katherine is a credit to the name of McEwan.

Returning to Novis, it is said that this remarkable young man, while singing over the NBC networks in New York is still studying with his Los Angeles vocal instructor in California. It's this way:

Allen Ray Carpenter listens to the young tenor during his four broadcasts each week from New York, makes a recording of his criticisms and sends the records from Pasadena to his pupil in New York. Novis has studied with Carpenter since the young Californian was in high school at Pasadena.

Canada however, can truthfully claim Novis as her own as he made his musical debut in a small mining town in northern Ontario at the age of six. Lifted to the platform by his father, Donald brought down the house, or log cabin, to be exact, with a song called "Mary".

Hastings, England, where William I defeated Harold II in 1066, was the birthplace of Novis, young NBC tenor. Don's father sang in the Hastings church choir and migrated with his little family to Canada when Donald was two.

stations under 200-watt power, but their programs must measure up to the standard stipulated by the commission.

It is expected that the radio license fees in Canada, now \$2 a year, will be increased to either \$3 or \$4 a year, the idea being that the added sum derived by the government is necessary under the new plan.

# Radio Speaking to Be Added to McGill University Course

McGill University, Montreal, is giving the subject of microphone technique, considerable attention, in the belief that there is still much to be taught in the art of speaking via the microphone. A committee has

been appointed and it is probable a course will be added to the curriculum.

As the broadcast listener well knows, the art of speaking into a microphone differs considerably from that of the orator.

# SOPRANO

VOICES, HIGH FLUTY SOPRANO, ARE MUCH ADMIRER BY JAPANESE; AIKO SAITA, VANCOUVER, B. C. HIGH SCHOOL SONGBIRD, WAS HEARTBROKEN WHEN NATURE FAILED TO ENDOW HER WITH ONE; RECONCILED, SHE IS NOW ITALY AND OPERA BOUND, BUT AS A

# CONTRALTO

This is a story of a 20 year old Japanese High School girl possessing a marvelous contralto voice, who, heartbroken because she was not a soprano, all but forsook her music; but who is now Italy-bound in quest of fame and fortune in grand opera—Aiko Saita.

I first met Aiko Saita in the studio of her instructor Madame Duke Gidy and it was there that I first heard her lovely deep contralto voice.

When this beautiful little Japanese girl was just a baby, her family moved back to Japan, where she remained eight years, hearing only Japanese music. Then she became the ward of Dr. and Mrs. Eiju Miyake and came back to Vancouver.

When she was fifteen she wandered into Madame Duke Gidy's studio and asked

Vancouver Staff Correspondence

her if she could sing. Her voice, though rough, was beautiful and she started to study right away. The little girl had no idea of occidental music, and all that comes naturally to us, had to be taught to her.

About a year later she began singing at Japanese functions, but was heartbroken because none of her friends liked her voice. Japanese people prefer a high fluty soprano, so Aiko went to her teacher and asked to be made into a soprano. She was so disappointed when she found that this was impossible that she promptly stopped her lessons. It took her fully

a year to get over her disappointment and resume her lessons again.

Two years ago she made her first appearance over the radio and was very well received. Last year the Japanese prima donna, Toshiko Sekuja, who was on a concert tour here on her way to Italy, heard our Japanese girl sing, and said she was the best Japanese contralto she had ever heard, and advised her to prepare for an operatic career. The Japanese community here offered to finance Aiko for study in Italy, but some wealthy friends of hers are going to send her there next year.

Her voice was lately tested by Victor, and she will shortly be making records to be sold in Japan. Good news, Aiko Saita!

Please Turn to Page 31 for Pictures

# The Networks and Their Programs

On this page is printed the station personnel of the trans-continental broadcast networks and on several succeeding pages the complete program schedule for each 15-minute period. The Columbia is a single network system, but the National maintains a double program service, with two networks in simultaneous operation. In the east these two chains, each with an outlet in the principal cities are known as Blue and Red; and the stations comprising each is shown; a supplementary network variously receives either Blue or Red programs. Similarly a double network--the Orange and Gold--is maintained on the Pacific Coast with an Orange-Gold supplementary chain that may take programs from either Chain. Many western programs are produced in the company's

Pacific Coast studios, but from mid-day until the eastern key stations go off the air at midnight, Blue and Red programs are piped through from Coast to Coast. Programs are similarly sent through from East to West on the Columbia's single network. While the key studios in New York produce most of the programs for each of the networks, more and more are being originated in Chicago and other centers. A double page gives complete trans-continental releases for Columbia, Blue-NBC and Red-NBC chains, while forenoon programs, too early for the most part for Pacific Coast broadcasting, are on a separate page. Pages showing releases on the Orange-NBC and the Gold-NBC and the Columbia Don Lee systems are also shown.

## NATIONAL

National Broadcasting Company Networks

### BLUE

Key: WJZ, New York, N. Y.

- 56 Philadelphia, Pa. (WFI).....500
- 67 Chicago, Ill. (WMAQ).....5,000
- 70 Cincinnati, O. (WLW).....50,000
- 75 Detroit, Mich. (WJR).....10,000
- 76 New York, N. Y. (WJZ) 30,000
- 84 Toronto, Ont. (CKGW).....10,000
- 87 Chicago, Ill. (WENR).....50,000
- 95 Washington, D. C. (WRC) 500
- 98 Pittsburgh (KDKA).....50,000
- 99 Boston, Mass. (WBZ).....25,000
- 99 Boston, Mass. (WBZA).....1,000
- 103 Montreal, Que. (CFCF).....500
- 102 Chicago, Ill. (KYW).....10,000
- 106 Baltimore, Md. (WBAL).....10,000
- 115 Rochester (WHAM).....25,000
- 122 Kan. City, Mo. (WREN).....1,000
- 126 Council Bluffs (KOIL).....1,000
- 135 St. Louis, Mo. (KWK).....1,000
- 138 Des Moines, Iowa (KSO).....500
- 142 Cedar Rapids (KWCR).....100
- 145 Cleveland, Ohio (WGAR).....500

### RED

Key: WEAf, New York, N. Y.

- 55 St. Louis, Mo. (KSD).....500
- 56 Philadelphia, Pa. (WLIT).....500
- 58 Worcester, Mass. (WTAG).....250
- 59 Omaha, Neb. (WOW).....1,000
- 59 Boston, Mass. (WEEI).....1,000
- 66 New York (WEAF).....50,000
- 61 Kan. City, Mo. (WDAF).....1,000
- 79 Schenectady (WGY).....50,000
- 87 Chicago, Ill. (WLS).....50,000
- 89 Providence, R. I. (WJAR) 500
- 90 Buffalo, N. Y. (WBNY).....1,000
- 92 Detroit, Mich. (WWJ).....1,000
- 94 Portland, Me. (WCSH).....1,000
- 97 Chicago, Ill. (WCFL).....5,000
- 100 Des Moines (WHO).....60,000
- 100 Davenport, Iowa (WOC).....5,000
- 106 Hartford (WTIC).....50,000
- 107 Cleveland, O. (WTAM).....50,000
- 122 Pittsburgh, Pa. (WCAE).....1,000
- 127 Baltimore, Md. (WFBZ).....500
- 133 Cincinnati, Ohio (WSAI).....500

### BLUE-RED SUPPLEMENTARY

- 55 Bismark, N. D. (KFYR).....1,000
- 57 Asheville, N. C. (WWNC).....1,000
- 62 Clearwater, Fla. (WFLA).....1,000
- 62 Milwaukee (WTMJ).....1,000
- 65 Nashville, Tenn. (WSM).....50,000
- 68 Raleigh, N. C. (WPTF).....1,000
- 74 Atlanta, Ga. (WSB).....50,000
- 78 Memphis, Tenn. (WMC).....500
- 80 Dallas, Texas (WFAA).....50,000
- 80 Fort Worth (WBAP).....10,000
- 90 Jacksonville (WJAX).....1,000
- 90 Oklahoma City (WKY).....1,000
- 94 Fargo, N. D. (WDAY).....1,000
- 92 Houston, Texas (KPRC).....1,000
- 101 Columbia, S. C. (WIS).....500
- 104 Hot Springs (KTHS).....10,000
- 111 Richmond, Va. (WRVA).....5,000
- 114 Birmingham (WAPI).....25,000
- 114 Tulsa, Okla. (KVOO).....25,000
- 119 San Antonio (WOAI).....50,000
- 127 Jackson, Miss. (WJDX).....1,000
- 128 Madison, Wis. (WIBA).....500
- 129 Superior, Wis. (WIBC).....1,000
- 130 Miami Beach (WIOD).....1,000
- 132 New Orleans (WSMB).....500
- 145 Shreveport, La. (KTBS).....1,000
- 146 St. Paul, Minn. (KSTP).....10,000
- 149 Covington, Ky. (WCKY).....5,000

### ORANGE

Key: KGO, San Francisco, Cal.

- 59 Spokane, Wash. (KHQ).....1,000
- 62 Portland, Ore. (KGW).....1,000
- 64 Los Angeles (KFI).....50,000
- 79 San Francisco (KGO).....7,500
- 92 Seattle, Wash. (KOMO).....1,000

### GOLD

Key: KPO, San Francisco, Cal.

- 68 San Francisco (KPO).....50,000
- 97 Seattle, Wash. (KJR).....5,000
- 118 Portland, Ore. (KEX).....5,000
- 143 Los Angeles (KECA).....1,000
- 147 Spokane, Wash. (KGA).....5,000

### ORANGE-GOLD SUPPLEMENTARY

- 60 San Diego, Cal. (KFSD).....500
- 62 Phoenix, Ariz. (KTAR).....500
- 75 Honolulu, T. H. (KGU).....2,500
- 83 Denver, Colo. (KOA).....50,000
- 95 Billings, Mont. (KGHL).....1,000
- 93 San Francisco (KYA).....1,000
- 129 Salt Lake, Utah (KDYL).....1,000
- 136 Butte, Mont. (KGIR).....500

## CNR NETWORK

Key: CFCF, Montreal, Quebec

- 58 Edmonton, Alta. (CKUA).....500
- 60 Ottawa, Ont. (CNRO).....500
- 63 Hamilton, Ont. (CKOC).....500
- 63 Moncton, N. B. (CNRA).....500
- 65 Quebec, Que. (CHRC).....100
- 69 Toronto, Ont. (CFRB).....10,000
- 91 London, Ont. (CJCK).....5,000
- 96 Toronto, Ont. (CKNC).....500
- 103 Montreal, Que. (CFCF).....500
- 103 Vancouver, B. C. (CNRV).....500

## COLUMBIA

Columbia Broadcasting System Networks

### BASIC

Key: WABC, New York, N. Y.

- 54 Windsor, Ont. (CKOK).....1,000
- 55 Buffalo, N. Y. (WGR).....1,000
- 55 Cincinnati, Ohio, (WKRC).....500
- 60 Baltimore, Md. (WCAO).....250
- 61 Philadelphia, Pa. (WIP).....500
- 61 Philadelphia, Pa. (WFAN).....500
- 72 Chicago, Ill. (WGN).....25,000
- 77 Chicago, Ill. (WBBM).....25,000
- 86 New York (WABC).....50,000
- 95 Kan. City, Mo. (KMBC).....1,000
- 109 St. Louis, Mo. (KMOX).....50,000
- 116 Fort Wayne (WOWO).....10,000
- 117 Philadelphia (WCAU).....50,000
- 123 Indianapolis (WFBM).....1,000
- 129 Pittsburgh, Pa. (WJAS).....1,000
- 132 Tallmadge, Ohio (WADC).....1,000
- 134 Toledo, Ohio (WSPD).....1,000
- 136 Syracuse, N. Y. (WFBL).....1,000
- 139 Cleveland, Ohio (WHK).....1,000
- 143 Albany, N. Y. (WOKO).....500
- 146 Alexandria, Va. (WJSV).....10,000
- 148 Buffalo, N. Y. (WKBW).....5,000

### SUPPLEMENTARY

- 57 Yankton, S. D. (WNAX).....1,000
- 57 Youngstown, O. (WKBN).....500
- 58 Topeka, Kan. (WIBW).....1,000
- 60 Waterloo, Iowa (WMT).....500
- 79 Toronto, Ont. (CFRB).....10,000
- 73 Montreal, Que. (CKAC).....5,000
- 77 Lincoln, Neb. (KFAB).....25,000
- 81 Minneapolis (WCCO).....50,000
- 110 Atlantic City (WPG).....5,000
- 112 Milwaukee, Wis. (WISN).....250
- 116 Wheeling, W. Va. (WWVA).....5,000
- 123 South Bend, Ind. (WSBT).....500
- 126 Erie, Pa. (WLBW).....500
- 130 Wichita, Kan. (KFH).....1,000
- 133 Eau Claire (WTAG).....1,000
- 133 Sioux City, Iowa (KSCJ).....1,000
- 137 Ft. Wayne, Ind. (WGL).....100
- 138 La Crosse (WKBH).....1,000
- 141 Bay City, Mich. (WBCM).....500
- 143 Columbus, Ohio (WCAH).....500
- 144 Harrisburg, Pa. (WHP).....500
- 144 Peoria, Ill. (WMBD).....500
- 144 Rochester, N. Y. (WHEC).....500

### DIXIE

Key: WBT, Charlotte, N. C.

- 56 Knoxville (WNOX).....1,000
- 56 Miami, Fla. (WQAM).....1,000
- 60 Memphis, Tenn. (WREC).....500
- 78 Norfolk, Va. (WTAR).....500
- 82 Louisville, Ky. (WHAS).....25,000
- 89 Atlanta, Ga. (WGST).....250
- 93 Birmingham, Ala. (WBR).....500
- 93 Roanoke, Va. (WDBJ).....250
- 104 Dallas, Texas (KRLD).....10,000
- 108 Charlotte, N. C. (WBT).....25,000
- 112 Houston, Texas (KTRH).....500
- 112 Orlando, Fla. (WDBO).....250
- 121 Richmond, Va. (WMBG).....100
- 122 Tampa, Fla. (WDAE).....1,000
- 124 Waco, Texas (WACO).....1,000
- 125 New Orleans (WDSU).....1,000
- 128 Chattanooga (WDOD).....1,000
- 128 Dallas, Texas (WRR).....500
- 129 San Antonio (KTSA).....1,000
- 126 Savannah, Ga. (WTOC).....500
- 139 Little Rock (KLRA).....1,000
- 141 Mobile, Ala. (WODX).....500
- 141 Montgomery, Ala. (WSFA).....500
- 144 Greensboro, N. C. (WBIG).....500
- 147 Nashville (WLAC).....5,000
- 148 Oklahoma City (KOMA).....5,000

### DON LEE

Key: KFRC, San Francisco, Cal.

- 57 Tacoma, Wash. (KVI).....500
- 56 Denver, Colo. (KLZ).....1,000
- 61 San Francisco (KFRC).....1,000
- 90 Los Angeles (KHJ).....1,000
- 94 Portland, Ore. (KOIN).....1,000
- 105 Sacramento (KFBK).....5,000
- 113 Salt Lake, Utah (KSL).....50,000
- 120 Bakersfield, Cal. (KERN).....100
- 120 Stockton, Cal. (KWG).....100
- 121 Fresno, Cal. (KMJ).....100
- 127 Colorado Sprgs. (KVOR).....1,000
- 127 Seattle, Wash. (KOL).....1,000
- 133 San Diego, Cal. (KGB).....500
- 134 Spokane, Wash. (KFPY).....1,000
- 138 Reno, Nev. (KOH).....500
- 150 Santa Barbara (KDB).....100

### YANKEE

Key: WNAC, Boston, Mass.

- 60 Bridgeport, Conn. (WICC).....250
- 62 Bangor, Me. (WLBZ).....500
- 78 Providence, R. I. (WEAN).....250
- 120 Worcester, Mass. (WORC).....100
- 121 Providence, R. I. (WPRO).....100
- 123 Boston, Mass. (WNAC).....1,000
- 131 New Bedford (WNBH).....100
- 133 Hartford, Conn. (WDR).....500
- 141 Boston, Mass. (WAAB).....500
- 142 Springfield, Mass. (WMAS).....100
- 143 Manchester (WFEA).....500

# EASTERN CHAIN PROGRAMS

These programs appear for the most part in the Eastern and Central time zones, and Eastern Standard time is used. As in the other tables, listings are given for each quarter-hour period.

Hours	Station	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9:00	Nat B Nat R Col	Children's Hour Balladeers Junior Bugle Children's Hour Balladeers Junior Bugle Children's Hour Sparklets Junior Bugle Children's Hour A. Edkins, Bass Junior Bugle	Pepper Pot Three Mustachios Jack Little Pepper Pot Current Events Gypsy Music Vic and Sade Flying Fingers Tony Wons Nothing but Truth Okla. Cowboys The Merry-makers	Pepper Pot Morning Glee Club Jack Little Pepper Pot Current Events Melody Parade Vic and Sade Jack and Jill Tony Wons Mouth Health Pie Plant Pete Round Towners	Pepper Pot Glee Club Jack Little Pepper Pot Current Events Melody Magic Vic and Sade Flying Fingers Tony Wons Nothing but Truth Flying Fingers The Merry-makers	Pepper Pot Marguerite DeVine Jack Little Pepper Pot Current Events Gypsy Music Vic and Sade The Upstaters Tony Wons Nothing but Truth Pie Plant Pete Melody Parade	Pepper Pot Glee Club Jack Little Pepper Pot Current Events Morning Moods Vic and Sade Flying Fingers Tony Wons Nothing but Truth The Banjo-leers Merry-makers	Pepper Pot Glee Club Jack Little Pepper Pot Masqueraders The Commutators Vic and Sade Jack and Jill Tony Wons Nothing but Truth Pie Plant Pete Artfells Dickson	
10:00	Nat B Nat R Col	Instrumentalists String Quartet Church of Air Instrumentalists String Quartet Church of Air Fiddlers Three Italy Impression Faculty Recital Mood Continental Italy Impression Faculty Recital	J. Fogarty, Tenor Jack and Jill Singing Vagabond Clara, Lu 'n' Em Breen-De Rose Melody Parade Our Daily Food U. S. Navy Band F. Berren's Orch. Emily Post U. S. Navy Band Vocal Art Trio	Musical Melange Mystery Chef Morning Moods Clara, Lu 'n' Em Souv. of Melody Morning Moods Our Daily Food S. Strelava, Sopr. Helen Board Irma Glenn, Organ Breen-de Rose U. S. Navy Band	J. Fogarty, Tenor Banjo-leers Oxal Feature Clara, Lu 'n' Em Young Artists Artfells Dickson Our Daily Food Swingin' Along Melody Parade Irma Glenn-Organ Betty Crocker Four Clubmen	Musical Melange Mystery Chef Melody Parade Clara, Lu 'n' Em Young Artists Ida Bailey Allen Our Daily Food Swingin' Along Four Clubmen Emily Post Breen-De Rose News Column	J. Fogarty, Tenor Melodie Oxal Feature Clara, Lu 'n' Em Breen-de Rose Crumit-Sanderson Our Daily Food Strolling Fiddler Crumit-Sanderson Irma Glenn-Organ Betty Crocker Melody Parade	Musical Melange The Vass Family Melody Parade J. Fogarty, Tenor Souv. of Melody The Ambassadors Our Daily Food Mme. Gainsbor Helen and Mary Irma Glenn-Organ Breen-de Rose Helen and Mary	
11:00	Nat B Nat R Col	Musicale Russian Choir Mahony-Carlile Musicale Russian Choir Mahony-Carlile Musicale Capitol Family Melody Makers Musicale Capitol Family Melody Makers	Organ Melodies Melody Three Morning Moods Elsie Mae Gordon Household Inst. Morning Moods Singing Strings Sonata Recital Medicine Acad. Singing Strings Sonata Recital Ben Alley, Tenor	Irma Glenn-Organ Juvenile Protect. U. S. Navy Band Genia Fonarova Household Inst. Pebeco Playboys Looking Glass U. S. Army Band V. Sorey's Orch. Rhythm Ramblers U. S. Army Band V. Sorey's Orch.	U. S. Army Band Breen-de Rose Beauty Talk U. S. Army Band Singing Strings Household Ins. Morning Moods Rhythm Ramblers Romantic Bachelor Fitch Professor Sweetheart Prog. Concert Pianist Ben Alley, Tenor	Cooking Talk May We Present U. S. Navy Band Singing Strings Household Ins. U. S. Navy Band Rhythm Ramblers Household Inst. E. Deutsch's Or. Rhythm Ramblers Hugo Mariani E. Deutsch's Or.	Music Appreciatn The Captivators Music Appreciatn Music Appreciatn The Captivators Music Appreciatn Cooking School Music Appreciatn Music Appreciatn Ben Alley, Tenor	Cooking Talk Melodies of South Symphony Society Rhythm Ramblers Household Ins. Symphony Society Rhythm Ramblers Swen Swensen Symphony Society Spanish Idylls Swen Swensen Symphony Society	
12:00	Nat B Nat R Col	Marimba Band Capitol Family S. L. Choir-Organ Marimba Band Capitol Family S. L. Choir-Organ Organ Recital Southland Sketch Reis-Dunn Organ Recital Southland Sketch Emery Deutch Or.	Smackout J. Marvin, Tenor B. Harrod's Orch. Lady Bugs On Wings of Song B. Harrod's Orch. Farm-Home Hour On Wings of Song Columbia Revue Farm-Home Hour On Wings of Song Columbia Revue	Smackout J. Marvin, Tenor B. Harrod's Orch. Lady Bugs On Wings of Song B. Harrod's Orch. Farm-Home Hour On Wings of Song Columbia Revue Farm-Home Hour On Wings of Song Columbia Revue	Bill and Henry J. Marvin, Tenor B. Harrod's Orch. Lady Bugs On Wings of Song B. Harrod's Orch. Farm-Home Hour On Wings of Song Columbia Revue Farm-Home Hour On Wings of Song Columbia Revue	Smackout J. Marvin, Tenor B. Harrod's Orch. Lady Bugs On Wings of Song B. Harrod's Orch. Farm-Home Hour On Wings of Song Columbia Revue Farm-Home Hour On Wings of Song Columbia Revue	Bill and Henry J. Marvin, Tenor B. Harrod's Orch. Lady Bugs On Wings of Song B. Harrod's Orch. Farm-Home Hour On Wings of Song Columbia Revue Farm-Home Hour On Wings of Song Columbia Revue	Smackout J. Marvin, Tenor B. Harrod's Orch. Lady Bugs Concert Orch. B. Harrod's Orch. Farm-Home Hour Concert Orch. Columbia Revue Farm-Home Hour E. Stanford, Sopr. Educational Feat.	Smackout J. Marvin, Tenor Symphony Society Lady Bugs Trade Revival Symphony Society Farmer's Union Concert Orchestra B. Harrod's Orch. Farmer's Union Concert Orch. B. Harrod's Orch.
1:00	Nat B Nat R Col	Roxy's Gang K-7: Spy Story Cathedral Hour Roxy's Gang K-7: Spy Story Cathedral Hour Roxy's Gang Pop Concert Church of Air Roxy's Gang Pop Concert Church of Air	Farm-Home Hour Market-Weather George Hall's Or. Farm-Home Hour Kay Kyser's Orch. George Hall's Or. Van and Don Emerson Gill's Or. Musicale H. Stokes' Or. Emerson Gill's Or. Musicale	Farm-Home Hour Market-Weather George Hall's Or. Farm-Home Hour Nat. Farm-Home Hour Classic Variety George Hall's Or. Concert Ensemble G. Scherban's Or. Madison Ensemble Concert Ensemble G. Scherban's Or. Madison Ensemble	Farm Home Hour Market-Weather George Hall's Or. Farm-Home Hour Red Nichol's Or. George Hall's Or. Van and Don Rex Battle's Or. Madison Ensemble G. Ludlow, Violin Rex Battle's Or. Madison Ensemble	Farm-Home Hour Market-Weather George Hall's Or. Farm-Home Hour Popular Variety George Hall's Or. Van and Don Palais d'Or Orch. Musicale H. Stokes' Or. Palais d'Or Orch. Musicale	Farm-Home Hour Market-Weather George Hall's Or. Farm-Home Hour G. Scherban's Or. George Hall's Or. Van and Don Palais d'Or Orch. Musicale H. Stokes' Or. Palais d'Or Orch. Musicale	Farm-Home Hour Market-Weather George Hall's Or. Farm-Home Hour G. Scherban's Or. George Hall's Or. Van and Don Palais d'Or Orch. Musicale H. Stokes' Or. Palais d'Or Orch. Musicale	Farmer's Union Arthur Jarrett George Hall's Or. Farmer's Union Arthur Jarrett George Hall's Or. H. Stokes' Or. Arthur Jarrett Madison Ensemble H. Stokes' Or. Arthur Jarrett Madison Ensemble
2:00	Nat B Nat R Col	The Pilgrims Saxophone Oct. Ed McConnell Interviews H. Heini, Piano Sunday Matinee Yeast Foamers Moonshine-Honey Sunday Matinee Yeast Foamers Moonshine-Honey Hoosier Editor	Words-Music Revolving Stage Student Feder. Words and Music Revolving Stage Sylvia Sapira Talk Revolving Stage School of Air G. Ludlow, Violin Revolving Stage School of Air	Words-Music Morr Madcaps Aunt Jemima Song Words-Music Girl Next Door Ann Leaf-Organ *Roller Matinee Dorothy Berlinger School of Air *Roller Matinee School of Air	Words and Music Palais d'Or Orch. Aunt Jemima Song Words and Music Girl Next Door Artist Recital Syncoptors Westminster Choir School of Air Concert Petite Westminster Choir School of Air	Words-Music Salon Singers Aunt Jemima Song Words and Music Girl Next Door Natural History Syncoptors K. Stewart, Piano School of Air Concert Petite Sportsmanship School of Air	Words and Music Magic of Speech School of Air Words-Music Magic of Speech School of Air Ivy Scott, Sopr. Shades of Blue Philadelphia Or. Concert Petite Muted Strings Philadelphia Or.	Words and Music Kay Kyser's Or. Syncoptors Words and Music Kay Kyser's Or. Syncoptors Synphonic Mat. Salon Orchestra Concert Petite Synphonic Mat. Salon Orchestra	
3:00	Nat B Nat R Col	American Music Wayne King's Or. Symphony Orch. American Music Wayne King's Or. Symphony Orch. Merry-Go-Round Hour of Worship Symphony Orch. Merry-Go-Round Hour of Worship Symphony Orch.	Setty and Bob Dr. Kaliski Elix. Barthell Marine Band Henrietta Schum'n Salon Orchestra Marine Band Women's Review S. Prager, Piano Marine Band Women's Review Eton Boys	Betty and Bob Vocal Quartet Artist Recital Radio Troubadour Vocal Quartet Artist Recital Men o Song Women's Review F. Westphal's Or. Tod Mack's Or. Woman's Review F. Westphal's Or.	Betty and Bob Concert Ensemble Flix. Barthell Radio Troubadour Concert Ensemble Madame Cutter Men o Song Women's Review Madame Cutter Rhythmic Serenade Women's Review Eton Boys	Betty and Bob Three Mustachios H. Hoesen: Songs U. S. Navy Band Hobby Riding H. Hoesen: Songs U. S. Navy Band Women's Review F. Westphal's Or. U. S. Navy Band Women's Review F. Westphal's Or.	Betty and Bob Echoes of Erin Philadelphia Or. Marine Band Famous Loves Philadelphia Or. Marine Band Women's Review Philadelphia Or. Marine Band Woman's Review Philadelphia Or.	Troubadours Rhythm Madcaps Round Towners Troubadours Merry Madcaps Round Towners Men o Song Matinee Gems Rhythm Kings Piano Moods Matinee Gems Rhythm Kings	
4:00	Nat B Nat R Col	Temple of Song Jane Froman Symphony Orch. Temple of Song Wildroot Inst. Symphony Orch. Youth Conference Radio Forum Symphony Orch. Youth Conference Le Tric Charmant Symphony Orch.	Radio Guild Pop Concert F. Westphal's Or. Radio Guild Pop Concert F. Westphal's Or. Radio Guild P. Whiteman's Or. Artist Recital Radio Guild Lady Next Door Tuberculosis Assn.	Ted Mack's Orch. Bridge Club Tito Guizar, Tenor M. Wilson's Orch. Bridge Club Curtis Institute M. Wilson's Orch. Tea Dansante Curtis Institute Lady Next Door Curtis Institute	Symphony Orch. Two Balcony Seats C. Hopkin's Orch. Symphony Orch. Two Balcony Seats C. Hopkin's Orch. Symphony Orch. Tea Dansante Jack Brooks M. Sherman's Or. Lady Next Door Bill Schudt	Kindergarten Musical Comedy U. S. Army Band Kindergarten Musical Comedy U. S. Army Band Thursday Special Tea Dansante U. S. Army Band Thursday Special Lady Next Door Trade Revival	Hobbies for Boys May We Present Grab Bag Colorado Cowboys String Quartet Grab Bag Colorado Cowboys String Quartet U. S. Army Band Concert Artists Lady Next Door U. S. Army Band	Rhythmic Serenade Debate Spanish Serenade Rhythmic Serenade Debate Spanish Serenade Concert Favorites Debate L. Belasco's Or. Concert Favorites Debate L. Belasco's Or.	

# NETWORK PROGRAMS;

Many of the programs on these pages go from Coast to Coast, the zones in which they appear being indicated by the letters following the programs, E&C, Eastern and Central, etc. The chains, NatB, NatR, and Col., are indicated at the left.

TIME		SUNDAY	MONDAY	TUESDAY
Eastern 5	5:00	Nat B National Vespers.....ECMP	Nat B Mary Steele, Soprano.....E & C	Nat B Swanee Serenaders.....E & C
Central 4		Nat R The Revelers.....E & C	Nat R Whispering Banjos.....E & C	Nat R Melodic Thoughts.....E Only
Mount'n 3		Col Roses and Drums.....E & C	Col Midland Broadcasters.....C & M	Col Meet the Artist.....ECM
Pacific 2		Nat B National Vespers.....ECMP	Nat B Desert Romance.....ECMP	Nat B Swanee Serenaders.....E & C
		Nat R The Revelers.....E & C	Nat R Paul Wing, Story Man.....E & C	Nat R Melodic Thoughts.....E Only
		Col Roses and Drums.....E & C	Col Captain Jack.....E & C	Col Captain Jack.....E Only
		Nat B Pages of Romance.....E & C	Nat B Singing Lady.....E & C	Nat B The Singing Lady.....E & C
		Nat R Dream Dramas.....ECMP	Nat R Flying Family.....E & C	Nat R Melodic Thoughts.....E Only
		Col Ballad Hour.....E & C	Col Skippy.....E Only	Col Skippy.....E Only
		Nat B Pages of Romance.....E & C	Nat B Little Orphan Annie.....E Only	Nat B Little Orphan Annie.....E & C
		Nat R Bring 'Em Back Alive.....ECMP	Nat R Slow River.....ECMP	Nat R Children's Club.....E Only
		Col Ballad Hour.....E & C	Col Lone Wolf Tribe.....E Only	Col This Is Your Program.....ECM
Eastern 6	6:00	Nat B Paul Whiteman's Orch.....E & C	Nat B Palais d'Or Orchestra.....E & C	Nat B Village Barn Orch.....E & C
Central 5		Nat R Catholic Hour.....ECMP	Nat R Waldorf-Astoria Orch.....ECMP	Nat R Mme. Frances Alda.....ECMP
Mount'n 4		Col Grub Street Speaks.....E & C	Col Irene Beasley: Songs.....E & C	Col Current Events.....ECM
Pacific 3		Nat B Paul Whiteman's Orch.....E & C	Nat B Palais d'Or Orchestra.....E & C	Nat B Children's Aid Society.....E Only
		Nat R Catholic Hour.....ECMP	Nat R Waldorf-Astoria Orch.....ECMP	Nat R Mme. Frances Alda.....ECMP
		Col Grub Street Speaks.....E & C	Col Reis and Dunn.....ECM	Col Reis and Dunn: Comedy.....ECM
		Nat B Paul Whiteman's Orch.....E & C	Nat B Palais d'Or Orchestra.....E & C	Nat B Savannah Liners.....E Only
		Nat R Our American Schools.....ECMP	Nat R Budget Commission.....E Only	Nat R Ralph Kirby: Song.....ECMP
		Col William Hall, Do Re Mi.....ECM	Col Vaughn De Leath.....E & C	Col George Hall's Orch.....E & C
		Nat B Paul Whiteman's Orch.....E & C	Nat B Little Orphan Annie.....C Only	Nat B Lowell Thomas: News.....E & C
		Nat R Our American Schools.....ECMP	Nat R G E Circle.....E Only	Nat R Back of News in Wn.....E & C
		Col William Hall, Do Re Mi.....ECM	Col The Funnyboners.....E & C	Col George Hall's Orch.....ECM
Eastern 7	7:00	Nat B Eva Jessye Choir.....E & C	Nat R Amos 'n' Andy.....E Only	Nat B Amos 'n' Andy.....E Only
Central 6		Nat R Marimba Band.....E & C	Col G E Circle.....CMP	Nat R Mid-Week Hymn Sing.....ECMP
Mount'n 5		Col World's Business.....ECM	Col Myrt and Marge.....E & C	Col Myrt and Marge.....E & C
Pacific 4		Nat B Harmonica Rascals.....ECMP	Nat B Tastyest Jesters.....E & C	Nat B Musical Dreams.....E & C
		Nat R Wheatenaville.....E & C	Nat R Wheatenaville.....E & C	Nat R Wheatenaville.....E & C
		Col B. Maurel, Contralto.....ECM	Col Wm. O'Neal, Tenor.....E & C	Col Leon Navarro's Orch.....E & C
		Nat B Great Moments in His.....ECMP	Nat B Groucho and Chico Marx.....ECMP	Nat B Ramoses Program.....E Only
		Nat R Orchestra Gems.....E & C	Nat R Sojourn in Songland.....E & C	Nat R Barbasol Program.....E & C
		Col Memories in Melody.....ECMP	Col Isham Jones Orch.....E & C	Col Leon Navarro's Orch.....E & C
		Nat B Great Moments in Hist.....ECMP	Nat B J. Hart in Hollywood.....E & C	Nat B J. Hart in Hollywood.....E & C
		Nat R Orchestral Gems.....E & C	Nat R The Goldbergs: Sketch.....E & C	Nat R The Goldbergs: Sketch.....E & C
		Col "Your Child".....E & C	Col Morton Downey, Tenor.....ECM	Col John Kelvin, Tenor.....E & C
Eastern 8	8:00	Nat B Russian Gaieties.....E & C	Nat B All-Star Revue.....E & C	Nat B You and Your Govt.....ECMP
Central 7		Nat R Chase-Sanborn Hour.....ECMP	Nat R Soconylnd Sketches.....E Only	Nat R Blackstone Plantation.....E & C
Mount'n 6		Col A. Kostelanetz Presents.....ECM	Col Whispering Jack Smith.....E & C	Col The Dictators.....E & C
Pacific 5		Nat B Russian Gaieties.....E & C	Nat B All Star Revue.....E & C	Nat B You and Your Govt.....ECMP
		Nat R Chase-Sanborn Hour.....ECMP	Nat R Soconylnd Sketches.....E Only	Nat R Blackstone Plantation.....E & C
		Col A. Kostelanetz Presents.....ECM	Col Ann Leaf at the Organ.....E & C	Col The Magic Voice.....E & C
		Nat B Red Adams: Sketch.....E & C	Nat B Red and Ramona: Songs.....E & C	Nat B Health Talks.....E & C
		Nat R Chase-Sanborn Hour.....ECMP	Nat R Voice of Firestone.....E & C	Nat R Wayne King's Orch.....E & C
		Col Roxy Theatre.....ECM	Col Kate Smith: Songs.....E & C	Col Kate Smith: Songs.....ECMP
		Nat B Red Adams: Sketch.....E & C	Nat B Charlie Hamp: Patter.....ECMP	Nat B Charlie Hamp: Patter.....ECMP
		Nat R Chase-Sanborn Hour.....ECMP	Nat R Voice of Firestone.....E & C	Nat R Wayne King's Orch.....E & C
		Col Roxy Theatre.....ECM	Col Fu Manchu Mystery.....E & C	Col The Columbians.....ECM
Eastern 9	9:00	Nat B Enna Jettick Melodies.....ECMP	Nat B Sinc. Weiner Minstrels.....E & C	Nat B Musical Memories.....E & C
Central 8		Nat R Our Government.....E & C	Nat R A & P Gypsies.....E & C	Nat R Ben Bernie's Orch.....ECM
Mount'n 7		Col Bath Club Revue.....ECMP	Col Jack Russel's Orch.....E & C	Col Music That Satisfies.....ECMP
Pacific 6		Nat B Smith Brothers.....E & C	Nat B Sinc. Weiner Minstrels.....E & C	Nat B Musical Memories.....E & C
		Nat R Am. Album Fam. Music.....ECMP	Nat R A & P Gypsies.....E & C	Nat R Ben Bernie's Orch.....ECM
		Col Bath Club Revue.....ECMP	Col Mills Brothers.....E & C	Col Threads of Happiness.....ECMP
		Nat B Walter Winchell.....E & C	Nat B Jack Frost's Mcl. Mom.....E & C	Nat B Garcia's Novelty Orch.....E & C
		Nat R Am. Album Fam. Music.....ECMP	Nat R Paul Whiteman's Orch.....ECMP	Nat R Ed Wynn.....ECMP
		Col Parade of Melodies.....E & C	Col Mysteries in Paris.....ECMP	Col California Melodies.....ECM
		Nat B Lifetime Revue.....ECMP	Nat B Jack Frost's Mel. Mom.....E & C	Nat B Garcia's Novelty Orch.....E & C
		Nat R Ohman and Arden.....E & C	Nat R Paul Whiteman's Orch.....ECMP	Nat R Ed Wynn.....ECMP
		Col Parade of Melodies.....E & C	Col Mysteries in Paris.....ECMP	Col California Melodies.....ECM
Eastern 10	10:00	Nat B Lifetime Revue.....ECMP	Nat B P. Lords in Coun. Doc.....E & C	Nat B P. Lord in Coun. Doc.....E & C
Central 9		Nat R Balkan Melodies.....E & C	Nat R Contented Program.....E & C	Nat R Lucky Strike Hour.....ECMP
Mount'n 8		Col Arabesque: Des. Play.....E & C	Col Music That Satisfies.....ECMP	Col Five Star Theatre.....E & C
Pacific 7		Nat B The Old Singing Master.....E & C	Nat B Otto Fassell, Tenor.....E & C	Nat B Tune Detective.....E & C
		Nat R L'Heure Exquise.....ECMP	Nat R Contented Program.....E & C	Nat R Lucky Strike Hour.....ECMP
		Col Arabesque: Des. Play.....E & C	Col Easy Aces.....ECMP	Col Ray Parker's Orch.....C Only
		Nat B L'Heure Exquise.....ECM	Nat B Organ Reveries.....E & C	Nat B Al and Pete.....E & C
		Nat R E. Hutcheson, Pianist.....ECMP	Nat R National Radio Forum.....ECP	Nat R Lucky Strike Hour.....ECMP
		Col Mystery Drama.....E & C	Col Columbia Revue.....E & C	Col Human Side of News.....ECM
		Nat B Mystery Drama.....E & C	Nat B Organ Reveries.....E & C	Nat B Ilomay Bailey, Soprano.....E & C
		Nat R Sunday at Seth Parker's.....ECMP	Nat R National Radio Forum.....ECP	Nat R Lucky Strike Hour.....ECMP
		Col E. Hutcheson, Pianist.....ECM	Col Myrt and Marge.....CMP	Col Myrt and Marge.....M & P
Eastern 11	11:00	Nat B S. Herman: Xylophonist.....E & C	Nat R Amos 'n' Andy.....CMP	Nat B Amos 'n' Andy.....CMP
Central 10		Nat R Sunday at Seth Parker's.....ECMP	Nat B Ted Weems' Orch.....E & C	Nat R Lanny Ross, Tenor.....E & C
Mount'n 9		Col The Gauchos.....ECM	Col Columbia Symphony Or.....ECM	Col Columbia Symphony Or.....ECM
Pacific 8		Nat B Lavender and Old Lace.....E & C	Nat B National Light Opera.....E & C	Nat B National Grand Opera.....ECM
		Nat R Donald Novis, Tenor.....ECMP	Nat R Ted Weems' Orch.....E & C	Nat R 3 Keys: Harmony Trio.....E Only
		Col "Your Child".....M & P	Col Columbia Symohony Or.....ECM	Col Columbia Symp. Orch.....ECM
		Nat B Hotel Bismark Orch.....E & C	Nat B National Light Opera.....E & C	Nat B National Grand Opera.....ECMP
		Nat R Melodic Serenade.....ECMP	Nat R Voice of Firestone.....M & P	Nat R Jack Denny's Orch.....E Only
		Col Eddie Duchin's Orch.....E & C	Col Guy Lombardo's Orch.....ECM	Col Isham Jones' Orch.....ECM
		Nat B Hotel Bismark Orch.....E & C	Nat B National Light Opera.....E & C	Nat B National Grand Opera.....ECM
		Nat R Melodic Serenade.....ECMP	Nat R Voice of Firestone.....M & P	Nat R Jack Denny's Orch.....E Only
		Col Eddie Duchini Orch.....E & C	Col Guy Lombardo's Orch.....ECM	Col Isham Jones' Orch.....ECM

# COAST TO COAST

Program time in each zone is printed. The large figures indicate Eastern Standard time, but the equivalent time in the other three zones appears in smaller type. As in the other tables, each hour is divided into quarter hour periods.

WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nat B Maurice Sherman's Or. E & C Nat R Joseph Gallicchio's Or. E Only Col Bobby Benson E Only	Nat B Neal Sisters: Songs E & C Nat R Schirmer and Schmit ECM Col Ben Alley, Tenor ECM	Nat B Concert Artists ECM Nat R M. Sherman's Or. E & C Col Bobby Benson E Only	Nat B Swanee Serenaders ECM Nat R Beau Balladeer E & C Col Eddie Duchin's Or. ECM
Nat B Desert Romance ECM Nat R Paul Wing—Story Man E & C Col Captain Jack E Only	Nat B Harold Van Horne, Piano E & C Nat R Paul Whiteman's Or. E Only Col Captain Jack E Only	Nat B Desert Romance ECM Nat R Paul Wing, Story Man E & C Col Captain Jack E Only	Nat B Swanee Serenaders ECM Nat R Mitchell Schuster's Or. E & C Col Eddie Duchin's Or. ECM
Nat B Singing Lady E & C Nat R The Flying Family E & C Col Skippy E Only	Nat B Singing Lady E & C Nat R Genia Fonariva, Sopr. E & C Col Skippy E Only	Nat B Singing Lady E & C Nat R Flying Family E & C Col Skippy E Only	Nat B Swanee Serenaders ECM Nat R Mitchell Schuster's Or. E & C Col Skippy E Only
Nat B Little Orphan Annie E & C Nat R Safety Soldiers E & C Col Lone Wolf Tribe E Only	Nat B Little Orphan Annie E & C Nat R Children's Club E Only Col Vaughn De Leath ECM	Nat B Little Orphan Annie E & C Nat R Safety Soldiers E & C Col Lone Wolf Tribe E Only	Nat B Little Orphan Annie E & C Nat R Children's Club E Only Col Tito Guizar, Tenor ECM
Nat B Palais d'Or Or. E & C Nat R Waldorf-Astoria Or. ECM Col Vaughn De Leath ECM	Nat B Gus Van and Joe Furst E & C Nat R Waldorf-Astoria Or. ECM Col Current Events ECM	Nat B Palais d'Or Orchestra E & C Nat R Waldorf-Astoria Or. ECM Col Irene Beasley: Songs ECM	Nat B Little German Band E & C Nat R Waldorf-Astoria Or. E & C Col The Funnyboners ECM
Nat B Palais d'Or Or. E & C Nat R Waldorf-Astoria Or. ECM Col George Hall's Or. ECM	Nat B John B. Kennedy: Talk E & C Nat R Waldorf-Astoria Or. ECM Col Don Redman's Or. ECM	Nat B Palais d'Or Orchestra E & C Nat R Waldorf-Astoria Or. ECM Col Harold Stern's Or. ECM	Nat B Little German Band E & C Nat R Waldorf-Astoria Or. E & C Col Riviera Orchestra ECM
Nat B Sheer Romance E & C Nat R Relief Talk E Only Col Skippy E Only	Nat B Old Songs of the Church E & C Nat R Ralph Kirbery, Baritone ECM Col Skippy E Only	Nat B Betty Boop E & C Nat R Relief Program E Only Col Skippy C Only	Nat B Laws that Safeguard Soc ECM Nat R Al Bernard, Minstrel E & C Col Skippy C Only
Nat B Lowell Thomas: News E & C Nat R GE Circle E Only Col The Funnyboners E & C	Nat B Lowell Thomas: News E & C Nat R GE Circle E Only Col George Hall's Or. ECM	Nat B Lowell Thomas: News E & C Nat R GE Circle E Only Col Lone Wolf Tribe C Only	Nat B Lee Sims and Or. E & C Nat R GE Circle E Only Col Do Re Mi: Novelty Trio ECM
Nat B Amos 'n' Andy E Only Nat R GE Circle CMP Col Myrt and Marge E Only	Nat B Amos 'n' Andy E Only Nat R GE Circle CMP Col Myrt and Marge E Only	Nat B Amos 'n' Andy E Only Nat R GE Circle CMP Col Myrt and Marge E Only	Nat B Fields and Hall: Patter E & C Nat R GE Circle CMP Col Political Situation E & C
Nat B Royal Vagabonds ECM Nat R Wheatonville E & C Col Wm. Hall, Baritone E & C	Nat B Royal Vagabonds ECM Nat R Wheatonville E & C Col The Dictators E & C	Nat B Royal Vagabonds ECM Nat R Kremlin Art Quintet E & C Col Vaughn De Leath E & C	Nat B Merle Thorpe: Talk ECP Nat R George Olsen's Or. E & C Col Don Redman's Or. E Only
Nat B Short Story ECM Nat R Instrumental Quartet E & C Col Leon Navarro's Or. E & C	Nat B Louise Bernhardt, Con. E & C Nat R Barbasol Program E & C Col Harold Stern's Or. E & C	Nat B Charlie Chan: Drama ECM Nat R Vivienne Ruth, Crooner E & C Col Isham Jones' Or. E & C	Nat B Cuckoo Program ECM Nat R George Olsen's Or. E & C Col Meyer Davis Or. E Only
Nat B Short Story ECM Nat R The Goldbergs: Sketch E & C Col Your Child E & C	Nat B John Hart in Hollywood E & C Nat R The Goldbergs: Sketch E & C Col Harold Stern's Or. E & C	Nat B Charlie Chan: Drama ECM Nat R The Goldbergs: Sketch E & C Col William Hall, Baritone ECM	Nat B Cuckoo Program ECM Nat R The World Today E Only Col The Magic Voice E & C
Nat B Cap. Deamond's Adven. E Only Nat R Mystery Drama E Only Col Whispering Jack Smith E & C	Nat B Regimentalists E & C Nat R Fleischmann Hour ECM Col Vincent Sorey's Or. E & C	Nat B Nestle's Program E & C Nat R Cities Service Concert ECM Col Human Side of the News ECM	Nat B Am. Taxpayers' League ECM Nat R Echoes of the Palisades E & C Col Four Clubmen E & C
Nat B Cap. Deamond's Adven. E Only Nat R Mystery Drama E Only Col U. S. Marine Band E & C	Nat B Song Sixths E & C Nat R Fleischmann Hour ECM Col Manhattan Serenaders E & C	Nat B Nestle's Program E & C Nat R Cities Service Concert ECM Col Melody Magic E & C	Nat B Anson Weeks' Or. ECM Nat R Echoes of the Palisades E & C Col Symphony Orchestra E & C
Nat B Harriet Lee E & C Nat R Irene Taylor: Blues ECM Col Kate Smith: Songs E & C	Nat B Rin Tin Tin Thriller E & C Nat R Fleischmann Hour ECM Col Manhattan Serenaders E & C	Nat B Health Talk E & C Nat R Cities Service Concert ECM Col March of Time ECM	Nat B Road to Romany E & C Nat R Economic World Today ECM Col Symphony Orchestra E & C
Nat B Charlie Hamp: Patter E & C Nat R Jack Denny's Or. E & C Col The Dictators E & C	Nat B Thurston: Magician E & C Nat R Fleischmann Hour ECM Col Sampler Program E & C	Nat B Thurston, the Magician E & C Nat R Cities Service Concert ECM Col March of Time ECM	Nat B Road to Romany E & C Nat R Economic World Today ECM Col Symphony Or. E & C
Nat B Sherlock Holmes E & C Nat R Symphony Concert E Only Col Guy Lombardo's Or. E & C	Nat B Death Valley Days E & C Nat R Show Boat ECM Col Music That Satisfies ECM	Nat B First Nighter: Sketch ECM Nat R The Clicquot Club E & C Col Football Show ECM	Nat B S R O: Comedy Sketch E & C Nat R Erno Rapee: Music Tour ECM Col Symphony Orchestra E & C
Nat B Sherlock Holmes E & C Nat R Symphony Concert E Only Col Guy Lombardo's Or. E & C	Nat B Death Valley Days E & C Nat R Show Boat ECM Col The Mills Brothers E & C	Nat B First Nighter: Sketch ECM Nat R Clicquot Club E & C Col Football Show ECM	Nat B S R O: Comedy Sketch E & C Nat R Erno Rapee: Music Tour ECM Col Symphony Or. E & C
Nat B Friendship Town E & C Nat R Symphony Concert E Only Col Eno Crime Club E & C	Nat B Dancing Strings E & C Nat R Show Boat ECM Col Omar Khayyan ECM	Nat B Armour Program ECM Nat R Leo Reisman's Or. E & C Col To The Ladies E & C	Nat B S R O: Comedy Sketch E & C Nat R Erno Rapee: Music Tour ECM Col Symphony Or. E & C
Nat B Friendship Town E & C Nat R Symphony Concert E Only Col Eno Crime Club E & C	Nat B Dancing Strings E & C Nat R Show Boat ECM Col Elizabeth Barthell E & C	Nat B Armour Program ECM Nat R Leo Reisman's Or. E & C Col To The Ladies E & C	Nat B S R O: Comedy Sketch E & C Nat R Erno Rapee: Music Tour ECM Col Symphony Or. E & C
Nat B P. Lord in Coun. Doc. E & C Nat R Corn Cob Pipe Club ECM Col Ruth Etting ECM	Nat B P. Lord in Coun. Doc. E & C Nat R Lucky Strike Hour ECM Col Five Star Theatre E & C	Nat B P. Lord in Coun. Doc. E & C Nat R Al Jolson ECM Col Music That Satisfies ECM	Nat B Whoopee: Orchestra E & C Nat R Lucky Strike Hour ECM Col Morton Downey, Tenor ECM
Nat B Andy Sannella ECM Nat R Corn Cob Pipe Club ECM Col Easy Aces ECM	Nat B Wilfred Glenn, Basso E & C Nat R Lucky Strike Hour ECM Col Ben Pollack's Or. C Only	Nat B P. Lord's in Country Dr. E & C Nat R Al Jolson ECM Col Easy Aces ECM	Nat B Whoopee: Orchestra E & C Nat R Lucky Strike Hour ECM Col Public Affairs Inst. ECM
Nat B Radio Rubes E & C Nat R NBC Artists' Service E Only Col Columbia Revue ECM	Nat B Al and Pete: Patter E & C Nat R Lucky Strike Hour ECM Col Human Side of the News ECM	Nat B Concert Orchestra E & C Nat R Adventurer's Club ECM Col Columbia Revue ECM	Nat B The Buccaneers E & C Nat R Lucky Strike Hour ECM Col Public Affairs Inst. ECM
Nat B Mildred Bailey, Blues E & C Nat R NBC Artists' Service E Only Col Myrt and Marge CMP	Nat B Ilomay Bailey, Soprano E Only Nat R Lucky Strike Hour ECM Col Myrt and Marge CMP	Nat B Mildred Bailey: Blues E & C Nat R Lanny Ross, Tenor E & C Col Myrt and Marge CMP	Nat B Twenty Fingers of Har. E & C Nat R Lucky Strike Hour ECM Col Vaughn De Leath: Song ECM
Nat B Amos 'n' Andy CMP Nat R Nellie Revell E & C Col Columbia Symp. Or. ECM	Nat B Amos 'n' Andy CMP Nat R Arthur Jarret, D. Bestor E Only Col Columbia Symp. Or. ECM	Nat B Amos 'n' Andy CMP Nat R Anson Weeks' Or. E Only Col Columbia Symphony Or. ECM	Nat B Pickens Sisters E & C Nat R Arthur Jarret, D. Bestor E & C Col Guy Lombardo's Or. ECM
Nat B NBC Concert Or. E Only Nat R 3 Keys—Harmony Trio. E Only Col Your Child M & P	Nat B Science and Learning E Only Nat R Arthur Jarret, D. Bestor E & C Col Columbia Symphony Or. ECM	Nat B Night Song E Only Nat R Anson Weeks' Or. E & C Col Columbia Symphony Or. ECM	Nat B Night Song E & C Nat R Arthur Jarret, D. Bestor E & C Col Guy Lombardo's Or. ECM
Nat B NBC Concert Or. E Only Nat R Anson Weeks' Or. E Only Col Isham Jones' Or. ECM	Nat B Science and Learning E Only Nat R Ben Bernie's Or. E Only Col Isham Jones' Or. ECM	Nat B Night Song E Only Nat R George Olsen's Or. E Only Col Guy Lombardo's Or. ECM	Nat B Night Song E & C Nat R Paul Whiteman's Or. E & C Col Harold Stern's Or. ECM
Nat B NBC Concert Or. E Only Nat R Anson Weeks' Or. E Only Col Isham Jones' Or. ECM	Nat B Science and Learning E Only Nat R Ben Bernie's Or. E & C Col Isham Jones' Or. ECM	Nat B Night Song E Only Nat R George Olsen's Or. E Only Col Guy Lombardo's Or. ECM	Nat B Night Song E & C Nat R Paul Whiteman's Or. E & C Col Harold Stern's Or. ECM

# (KPO) Gold Network Programs (NBC's Pacific)

complete programs for each quarter hour period from 7:00 A. M. to 11:45 P. M. The supplementary stations are variously attached to either the Orange or Gold chain. Pacific Standard time is used.

## Supplementary

- Channel 95 (1000) **KGHL, Billings, Mont.**  
Northwestern Auto Supply Co., Inc.
- Channel 123 (1000) **KYA, San Francisco**  
Reynolds Radio Co., Inc.
- Channel 129 (1000) **KDYL, Salt Lake, Utah**  
Intermountain Broadcasting Corporation
- Channel 136 (500) **KGIR, Butte, Mont.**  
KGIR, Inc.

## Gold Network

- Channel 68 (50,000) **KPO, San Francisco**  
National Broadcasting Co., Inc.
- Channel 97 (5000) **KJR, Seattle, Wash.**  
Northwest Broadcasting System
- Channel 118 (5000) **KEX, Portland, Ore.**  
Western Broadcasting Co.
- Channel 143 (1000) **KECA, Los Angeles**  
Earl C. Anthony, Inc.
- Channel 147 (5000) **KGA, Spokane, Wash.**  
Northwest Broadcasting System

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>7:</b> 00 15 30 45		Arion Trio Arion Trio	Arion Trio Arion Trio	Organ Concert Organ Concert	Arion Trio Arion Trio	Arion Trio Arion Trio	Organ Concert Organ Concert
<b>8:</b> 00 15 30 45	Italy Impressions Capitol Family Capitol Family Capitol Family	Arion Trio Elsie Mae Gordon Sonata Recital Sonata Recital	Financial Service Soloist U. S. Army Band U. S. Army Band	Financial Service Sax Appeal Entertainers Concert Pianist	Financial Service Singing Strings Marine Band Marine Band	Music Appreciatn. Music Appreciatn. Music Appreciatn. Music Appreciatn.	Financial Service Bits of Melody Swen Swensen Swen Swensen
<b>9:</b> 00 15 30 45	Capitol Family Roxy Symphony Roxy Symphony Roxy Symphony	Tom Mitchell Dixie Memories Organ Concert Organ Concert	Tom Mitchell Dixie Memories Bluettes Bluettes	Tom Mitchell Dixie Memories Stringwood Ensem. Stringwood Ensem.	Marine Band Marine Band Tom Mitchell Dixie Memories	Tom Mitchell Dixie Memories Stringwood Ensem. Stringwood Ensem.	Tom Mitchell Dixie Memories Stringwood Ensem. Stringwood Ensem.
<b>10:</b> 00 15 30 45	Roxy Symphony Symphony Concert Cecelians Cecelians	Mardi Gras Mardi Gras The Ambassadors Rhythmic Serenade	Mardi Gras Mardi Gras Concert Ensem. Concert Ensem.	Mardi Gras Mardi Gras The Ambassadors Joint Recital	Mardi Gras Mardi Gras Concert Ensemble Concert Ensemble	Mardi Gras Mardi Gras Mavericks Mavericks	Familiar Songs Familiar Songs Farm Forum Farm Forum
<b>11:</b> 00 15 30 45	Bible Stories Bible Stories Bible Stories Bible Stories	Words and Music Words and Music Daytime Speaker Godfrey Ludlow	Words and Music Words and Music Rhythm Vendors Rhythm Vendors	Words and Music Words and Music Organ Concert Soloist	Words and Music Words and Music Syncopators Concert Petite	Magic of Speech Magic of Speech Ivy Scott Concert Petite	Words and Music Words and Music Syncopators Syncopators
<b>12:</b> 00 15 30 45	Pastels Pastels Melody Mixers Melody Mixers	Stringwood Ensem. Stringwood Ensem. Pair of Pianos Pair of Pianos	Organ Concert Organ Concert Organ Concert Harmonica Player	Organ Concert Rhythm Vendors Rhythm Vendors Eileen Piggott	Organ Concert Organ Concert Five Cards Five Cards	Organ Concert Organ Concert Organ Concert Club Luncheon	Organ Concert Troubadours The Ambassadors Piano Moods
<b>1:</b> 00 15 30 45	Melody Mixers Melody Mixers Quartet Time Quartet Time	U. S. Marine Band U. S. Marine Band Radio Guild Radio Guild	Palace Hotel Or. M. Willson's Or. M. Willson's Or. Brownie Tales	Chamber Music Chamber Music Chamber Music H. Salznick's Or.	Kindergarten Kindergarten Thurs. Special Thurs. Special	Club Luncheon Club Luncheon Rhythm Vendors Rhythm Vendors	Dance Masters Dance Masters Concert Favorite Concert Favorite
<b>2:</b> 00 15 30 45	T. Dantzler's Or. T. Dantzler's Or. Bohemians Bohemians	Sims-Bailey Monday Matinee Monday Matinee Monday Matinee	Music Garden Music Garden Music Garden Argentine Trio	H. Salznick's Or. The Little Colleen Music Box Music Box	Musical Sketches Musical Sketches Footlight Fantas. Footlight Fantas.	K. Spencer, Basso Metropolitans Metropolitans Metropolitans	M. Schuster's Or. M. Schuster's Or. Beau Balladeer Concert Echoes
<b>3:</b> 00 15 30 45	Catholic Hour Catholic Hour R. Chandler's Or. R. Chandler's Or.	Melody Mixers Melody Mixers Melody Mixers Melody Mixers	Melody Mixers Melody Mixers Melody Mixers Melody Mixers	Wldr.-Astoria Or. Wldr.-Astoria Or. D.iffing-Dreaming Dance Masters	Wldr.-Astoria Or. Wldr.-Astoria Or. Donald Novis Eva Gruninger	Wldr.-Astoria Or. Wldr.-Astoria Or. Donald Novis Dance Masters	Wldr.-Astoria Or. Wldr.-Astoria Or. Dean G. Archer Organ Concert
<b>4:</b> 00 15 30 45	Community Forum Community Forum N. Abas, Violin N. Abas, Violin	Life of Reillys Business Talk Eileen Pigott Charm Matinee	Simpy-Glawdys Your Government Your Government Charm Matinee	Life of Reillys Cosmopolitans Cosmopolitans Charm Matinee	Simpy-Glawdys Mindways Concert Footlights Charm Matinee	Stringwood Ensem. Stringwood Ensem. Stringwood Ensem. Charm Matinee	Organ Concert Merle Thorpe Geo. Olsen's Or. Charm Matinee
<b>5:</b> 00 15 30 45	Rendezvous Rendezvous Sunday Concert Sunday Concert	Chamber of Com. Synco-Thots Red and Ramona Argentine Trio	Violin Concert Bits of Melody	Choralia Choralia L'Amour Melod. L'Amour Melod.	N. Abas, Violin N. Abas, Violin E. Foster, Baritone Pamblers	Bouquet of Melody Bouquet of Melody Bluettes Cosmopolitans	Taxpayers League Anson Weeks' Or. Economic World Economic World
<b>6:</b> 00 15 30 45	Sunday Concert Sunday Concert Johansen, Piano Johansen, Piano	Music Doctor Music Doctor Traffic Talk Cecil and Sally	Recollections Recollections Recollections Cecil and Sally	Sunset Serenader Sunset Serenader Sunset Serenader Cecil and Sally	Ramblers Ramblers Ramblers Cecil and Sally	Cosmopolitans Serenaders Serenaders Cecil and Sally	Musical Echoes Musical Echoes Education Cecil and Sally
<b>7:</b> 00 15 30 45	John and Ned Sax-O-Tunes Silhouettes Silhouettes	John and Ned Tarzan of Apes Radio Forum Radio Forum	John and Ned Tarzan of Apes Rainbow Harmony Rainbow Harmony	John and Ned Tarzan of Apes Carveth Wells Carveth Wells	John and Ned Tarzan of Apes Log o' the Day Log o' the Day	John and Ned Tarzan of Apes Musical Highlights Musical Highlights	Medicine Show Medicine Show Concert Orch. Concert Orch.
<b>8:</b> 00 15 30 45	Silhouettes Wonder of Earth Rudy Seiger's Or. Rudy Seiger's Or.	On Parade On Parade Drama Program Drama Program	Western Artists Advertising Ass. Concert Orchestra Synco-Thots	Mavericks Mavericks Silver Strains Silver Strains	Myron Niesley Concert Orch. Concert Orch. Concert Orch.	Musical Highlights Soloist Night Song Night Song	Jack Denny's Or. Jack Denny's Or. Symphony Orch. Symphony Orch.
<b>9:</b> 00 15 30 45	Reader's Guide Reader's Guide Plaza Hotel Or. Plaza Hotel Or.	The Goldbergs Nomads Road Show Road Show	The Goldbergs Jarret-Bestor The Story Teller The Story Teller	The Goldbergs Close-Ups Out of the East Doric Quartet	Goldbergs: Sketch Synco-Thots Hollywood on Air Hollywood on Air	Goldbergs: Sketch Coquettes V. Lopez, Orch. V. Lopez, Orch.	Symphony Orch. Symphony Orch. V. Lopez, Orch. V. Lopez, Orch.
<b>10:</b> 00 15 30 45	Musicians' Union Musicians' Union Wings of Music Wings of Music	Road Show Road Show Road Show Road Show	Niesley-Mosher Chiffon Jazz Chiffon Jazz K. Spencer, Basso	Doric Quartet One Man's Family One Man's Family Slumber Hour	Railroad Stories Railroad Stories Ship of Dreams Ship of Dreams		McElroy's Orch. McElroy's Orch. Tom Gerun's Orch. Tom Gerun's Orch.
<b>11:</b> 00 15 30 45	MN Melodies MN Melodies MN Melodies MN Melodies	Stringwood Ensem. Stringwood Ensem. Rhythm Vendors Rhythm Vendors	Stringwood Ensem. Stringwood Ensem. Tom Gerun's Orch. Tom Gerun's Orch.	Slumber Hour Slumber Hour Tom Gerun's Or. Tom Gerun's Or.	Pacific Serenade Pacific Serenade Tom Gerun's Or. Tom Gerun's Or.	Organ Concert Organ Concert Tom Gerun's Or. Tom Gerun's Or.	Reminiscences Reminiscences Reminiscences Reminiscences



# (KGO) Orange Network Programs (NBC's Pacific)

## Orange Network

- Channel 59 (1000) **KHQ, Spokane, Wash.**  
Louis Wasmer, Inc.
- Channel 62 (1000) **KGW, Portland, Ore.**  
Oregonian Publishing Co.
- Channel 64 (50,000) **KFI, Los Angeles**  
Earl C. Anthony, Inc.
- Channel 79 (7500) **KGO, San Francisco**  
National Broadcasting Co., Inc.
- Channel 92 (1000) **KOMO, Seattle, Wash.**  
Fisher's Blend Station, Inc.

## Orange-Gold

- Channel 60 (500) **KFSD, San Diego, Cal.**  
Airfan Radio Corporation, Ltd.
- Channel 62 (500) **KTAR, Phoenix, Ariz.**  
KTAR Broadcasting Co.
- Channel 75 (2500) **KGU, Honolulu, T. H.**  
Marion A. Mulrony Publishing Co.
- Channel 83 (50,000) **KOA, Denver, Colo.**  
National Broadcasting Co., Inc.

This double page lists both the Orange and Gold networks of the National Broadcasting Company's Pacific Division, in order of frequency, showing call letters, power, and location. Also the

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7:00 7:15 7:30 7:45		Organ Concert Organ Concert Nagsbys Reform J. Marvin, Tenor	Organ Concert Organ Concert Soloist Breen-De Rose	Organ Concert Organ Concert Swingin' Along Accordiana	Organ Concert Organ Concert Swingin' Along Breen-De Rose	Organ Concert Organ Concert Strolling Fiddler Pair of Pianos	Organ Concert Organ Concert Organ Concert Breen-De Rose
8:00 8:15 8:30 8:45	Organ Concert Organ Concert Arion Trio Arion Trio	Singing Strings Shipwrecked Log o' the Day Log o' the Day	Your Child Shipwrecked Log o' the Day Log o' the Day	Breen-De Rose Shipwrecked Log o' the Day Log o' the Day	May We Present Shipwrecked Log o' the Day Log o' the Day	Pair of Pianos Shipwrecked Log o' the Day Log o' the Day	Melodies of South Shipwrecked Arion Trio Arion Trio
9:00 9:15 9:30 9:45	Arion Trio Arion Trio Song Album Song Album	J. Marvin, Tenor Lady Bugs Buckaroos Arion Trio	J. Marvin, Tenor Lady Bugs Buckaroos Arion Trio	J. Marvin, Tenor Lady Bugs Buckaroos Pair of Pianos	Rhythm Vendors Rhythm Vendors The Buckaroos Sarah Kreindler	J. Marvin, Tenor Lady Bugs The Buckaroos Arion Trio	J. Marvin, Tenor Trade Revival Farm-Home Hour Farm-Home Hour
10:00 10:15 10:30 10:45	Plano Pictures Plano Pictures The Pilgrims The Pilgrims	Arion Trio Doctor-Dick Magazine of Air Magazine of Air	Arion Trio Arion Trio Magazine of Air Magazine of Air	Pair of Pianos Harmonica Player Magazine of Air Magazine of Air	Magazine of Air Magazine of Air Magazine of Air Magazine of Air	Arion Trio Arion Trio Magazine of Air Magazine of Air	Farm-Home Hour Farm-Home Hour Magazine of Air Magazine of Air
11:00 11:15 11:30 11:45	Mystery Tenor Saxophone Octet Yeast Foamers Yeast Foamers	Magazine of Air Magazine of Air Women's Club Women's Club	Magazine of Air Magazine of Air Stroller Matinee Stroller Matinee	Magazine of Air Magazine of Air Westminster Choir Westminster Choir	Stan. School Brd. Stan. School Brd. Stan. School Brd. Shakespearean	Magazine of Air Magazine of Air Baby Care Talks Organ Concert	Magazine of Air Magazine of Air Organ Concert Organ Concert
12:00 12:15 12:30 12:45	Wayne King's Or. Wayne King's Or. Hour of Worship Hour of Worship	Edna Fischer Farm-Home Hour Farm-Home Hour Farm-Home Hour	Edna Fischer Farm-Home Hour Farm-Home Hour Farm-Home Hour	Edna Fischer Farm-Home Hour Farm-Home Hour Farm-Home Hour	Edna Fischer Farm-Home Hour Farm-Home Hour Farm-Home Hour	Edna Fischer Farm-Home Hour Farm-Home Hour Farm-Home Hour	Organ Concert West. Agricultur. West. Agricultur. West. Agricultur.
1:00 1:15 1:30 1:45	Jane Froman Wildroot Inst. Youth Conference Youth Conference	Organ Concert Organ Concert Organ Concert Middy Musicale	Stringwood Ensem. Stringwood Ensem. Stringwood Ensem. Stringwood Ensem.	Stringwood Ensem. Stringwood Ensem. Stringwood Ensem. Stringwood Ensem.	Stringwood Ensem. Stringwood Ensem. Stringwood Ensem. Stringwood Ensem.	May We Present Colorado Cowboys Colorado Cowboys Lady Next Door	Stringwood Ensem. Stringwood Ensem. Stringwood Ensem. Stringwood Ensem.
2:00 2:15 2:30 2:45	National Vespers National Vespers Symphonic Choir Symphonic Choir	Midday Musicale Concert Petite Irma Glenn, Organ Slow River	Rhythm Boys Melodic Thought Melodic Thought Concert Echoes	Bits of Melody Irma Glenn, Organ Concert Echoes	Piano Duo P. Whiteman's Or. Soloist Concert Echoes	Concert Artists H. Saiznick's Or. Irma Glenn, Organ Concert Echoes	Cosmopolitans Cosmopolitans Bluettes Harmonica Player
3:00 3:15 3:30 3:45	Songland Songland Romances Romances	Wldrf.-Astoria Or. Wldrf.-Astoria Or. Minstrel Man Dance Masters	Waldorf-Astoria Waldorf-Astoria Ralph Kirby Alvino Rey, Guitar	Melody Mixers Melody Mixers Melody Mixers Melody Mixers	Melody Mixers Melody Mixers Melody Mixers Melody Mixers	Melody Mixers Melody Mixers Melody Mixers Studio Party	Melody Mixers Melody Mixers Melody Mixers Melody Mixers
4:00 4:15 4:30 4:45	Harmonica Rascal Morin Sisters Great Moments Great Moments	GE Circle Concert Ensemble E. Gill and Orch. News Service	Hymn Sing Tea Timers Tea Timers Orphan Annie	GE Circle Concert Ensemble Orphan Annie	GE Circle Tea Timers News Service	GE Circle Morin Sisters Orphan Annie	Dance Hour Dance Hour Dance Hour Orphan Annie
5:00 5:15 5:30 5:45	Chase-Sanborn Chase-Sanborn Chase-Sanborn Chase-Sanborn	Oahu Serenaders Crystal Room Or. Orphan Annie Wheatenaville	Balladettes Balladettes Orphan Annie Wheatenaville	M. Willson's Or. M. Willson's Or. Orphan Annie Wheatenaville	Fleischmann Hour Fleischmann Hour Fleischmann Hour Fleischmann Hour	Cosmopolitans Cosmopolitans Orphan Annie Wheatenaville	Arion Trio Arion Trio Orphan Annie Wheatenaville
6:00 6:15 6:30 6:45	Melodies GE Circle Concert Familiar Music Familiar Music	P. Whiteman's Or. P. Whiteman's Or.	The Utah Trail The Utah Trail Ed Wynn Ed Wynn	Symphony Concert Symphony Concert Woodbury Prog. Woodbury Prog.	Show Boat Show Boat Show Boat Show Boat	First Nighter First Nighter Amour Program Amour Program	Geo. Olsen's Or. Geo. Olsen's Or. Geo. Olsen's Or. Geo. Olsen's Or.
7:00 7:15 7:30 7:45	E. Millay, Poetess Government Romances Seth Parker's	Alice Joy Alice Joy Demi-Tasse Revue Demi-Tasse Revue	Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr.	Corn Cob Pipe Clb. Corn Cob Pipe Clb T. Gerun's Orch. T. Gerun's Orch.	Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr.	Big Six-Jolson Big Six-Jolson Concert Orch. Lanny Ross, Tenor	Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr. Lucky Strike Hr.
8:00 8:15 8:30 8:45	Seth Parker's Walter Winchell Melodic Serenade Melodic Serenade	Amos n' Andy Ted Weems' Or. R. Crooks, Tenor R. Crooks, Tenor	Amos n' Andy Memory Lane Memory Lane Health Talks	Amos n' Andy A. Weeks' Or. Team Mates Team Mates	Amos n' Andy Symphony Hour Symphony Hour Symphony Hour	Amos n' Andy Theme, Variations Gilmore Circus Gilmore Circus	Caswell Concert Family Robinson Tom Gerun's Or. Tom Gerun's Or.
9:00 9:15 9:30 9:45	Domino Club Domino Club Domino Club Domino Club	Harmony Four A. Kassel's Orch. L. Diamond's Or. L. Diamond's Or	Waltz Time Waltz Time Ben Bernie's Or. Ben Bernie's Or.	Melody Time Sherlock Holmes Sherlock Holmes Mark Fisher's Or.	Symphony Hour Thurston, Magicn. Rhythm Concert Rhythm Concert	Gilmore Circus Thurston, Magicn. Novelettes Novelettes	Rhythmic Shadows Rhythmic Shadows Spotlight Revue Spotlight Revue
10:00 10:15 10:30 10:45	News Flashes P. Carson, Organ P. Carson, Organ P. Carson, Organ	News Flashes Dance Orchestra J. Hamp's Orch. J. Hamp's Orch.	News Flashes J. Hamp's Orch. J. Hamp's Orch. J. Hamp's Orch.	News Flashes J. Hamp's Or. J. Hamp's Or. J. Hamp's Or.	News Flashes J. Hamp's Or. J. Hamp's Or. J. Hamp's Or.	News Flashes J. Hamp's Or. J. Hamp's Or. J. Hamp's Or.	Spotlight Revue Spotlight Revue Spotlight Revue Spotlight Revue
11:00 11:15 11:30 11:45	T. Gerun's Orch. T. Gerun's Orch. T. Gerun's Orch. T. Gerun's Orch.	P. Harris' Orch. P. Harris' Orch. Organ Concert Organ Concert	P. Harris' Orch. P. Harris' Orch. Organ Concert Organ Concert	Phil Harris' Orch. Phil Harris' Orch. Organ Concert Organ Concert	Phil Harris' Orch. Phil Harris' Orch. Organ Concert Organ Concert	Phil Harris' Orch. Phil Harris' Orch. Organ Concert Organ Concert	Phil Harris' Orch. Phil Harris' Orch. J. Hamp's Or. J. Hamp's Or.

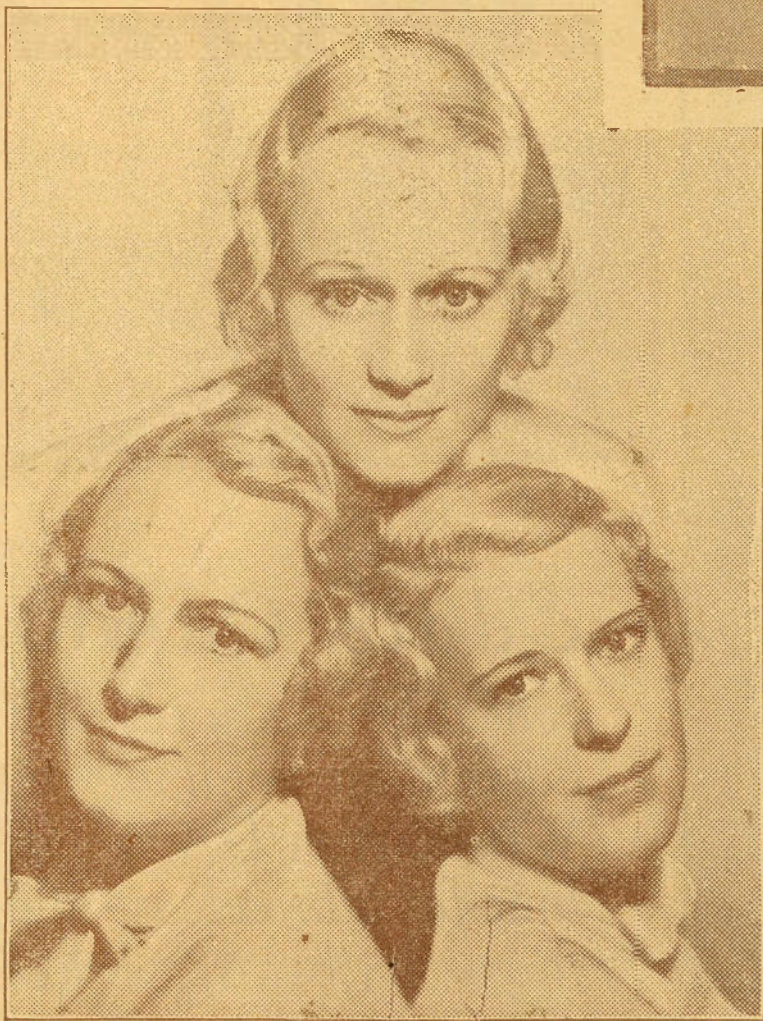


# Radio Pictures



New  
Year  
Greeting

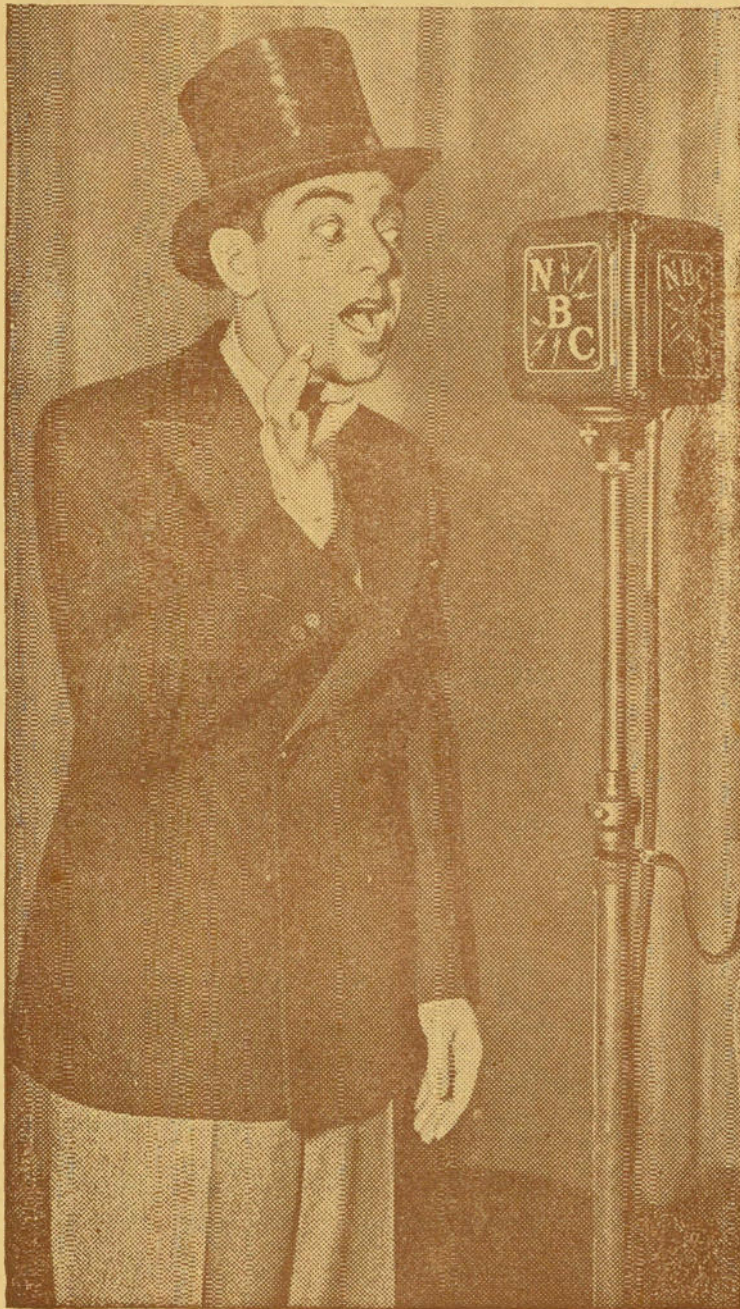
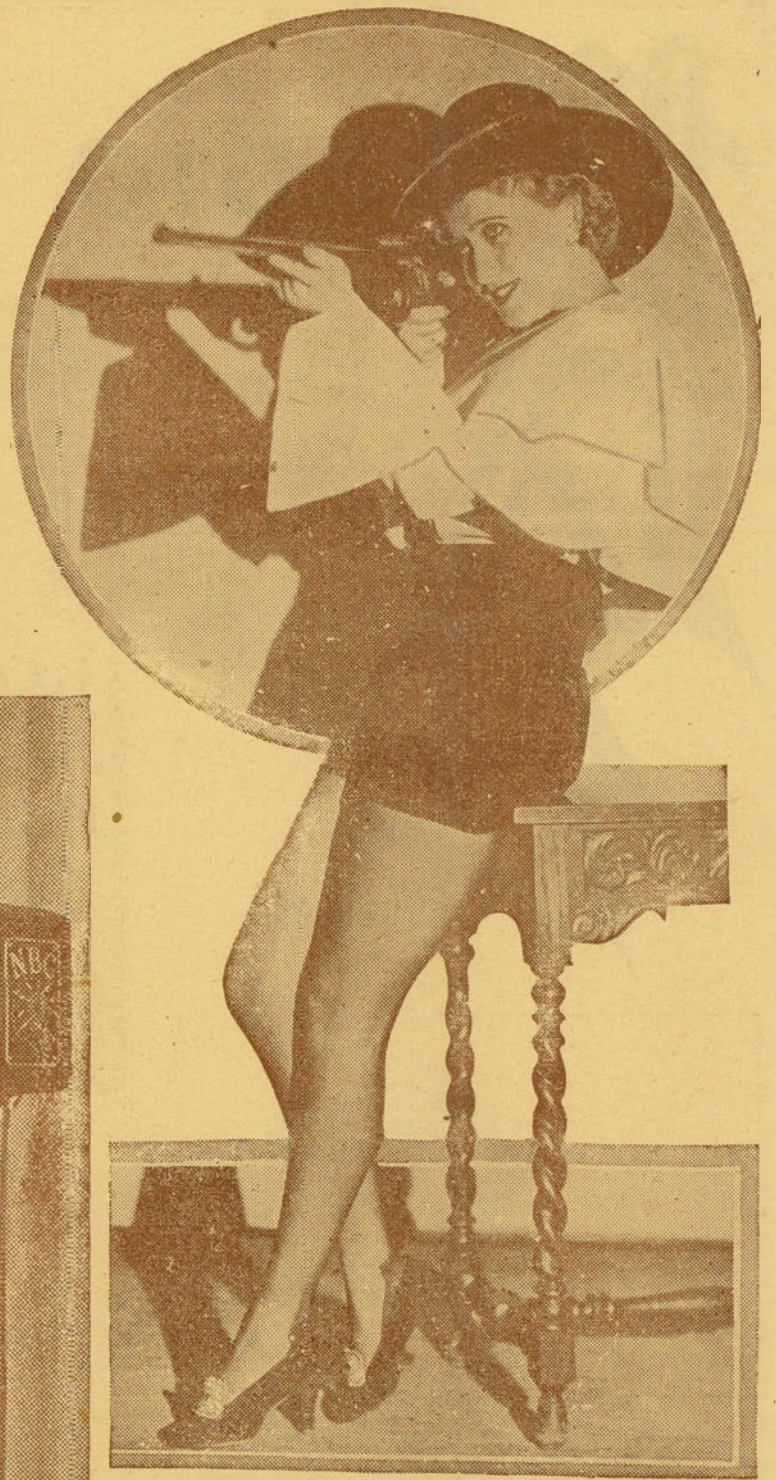
Three  
Blondes



Betty Barthell, Columbia's Southern songstress, is crashing right through the calendar to wish us all a mighty Happy New Year. Betty, who hails from Tennessee, appears with Hayton's orchestra

The Press Agent says these girls are blue blondes; they are the Neal sisters, Lucille, Ann and Gwyneth (regular cow girls) of Sun Dance, Wyoming. These co-eds harmonize for NBC at their studios in Chicago

*Ruth Etting* adopted this (1932) Pilgrim costume for a Thanksgiving broadcast and to get the "atmosphere," included an old turkey fowling piece. There was even a turkey



*Eddie Cantor* comedian de-luxe and advisor extraordinary to Washington, D. C., finds time for a broadcast and more Rubinoff jokes

## Pictures Don't Always Tell the Truth—

*But Charles Winninger (Captain Henry of the Show Boat) is not holding that gun just for fun. His trophy shelf is well filled to capacity with trapshooting awards*



*Likewise Carmen Lombardo used to win skating races in his native London, Ontario. He plays the saxophone, sings for Brother Guy's famous Band and is a composer of many popular song hits of the day*



# BEA *And* MICRO

## *Marilou Dix*

here appropriated one of Santa's steeds and had herself photographed with one of the studio microphones

## *Greta Keller*

is the deep-toned songbird from Vienna and starred in Berlin with Marlene Dietrich; sings over NBC chain



# UTY

*The*

# PHONE



*Jessica Dragonette*  
is a soprano soloist at the  
NBC studios in New York  
and an old-time favorite  
with radio fans everywhere

*Irene Taylor*  
is a blues singer, has sung  
much for radio and with  
Paul Whiteman's and other  
famous dance organizations

### Back in the 1880's

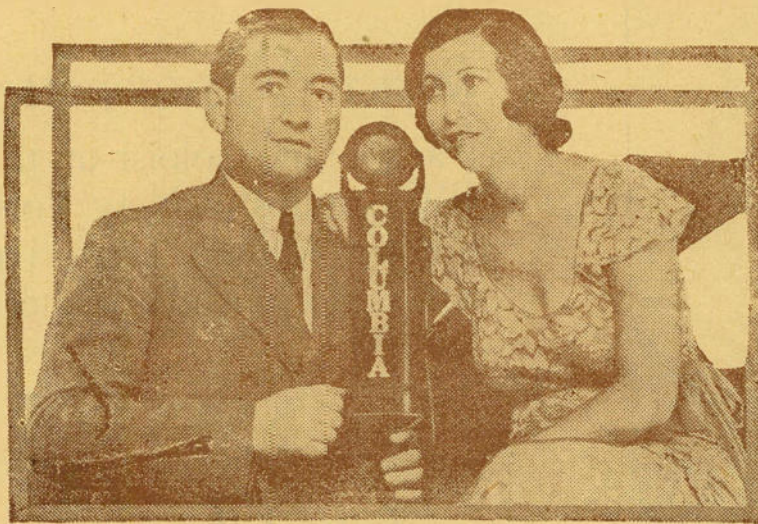


Another addition to radio from the motion picture and musical comedy field is Kay McKay; CBS network



Jessica Dragonette sang "Little Gray Home in the West", the late Thomas Edison's favorite song, at the 50th anniversary broadcast of the New York Edison company. She wore an authentic 1880 Gown

### Sweethearts of Air



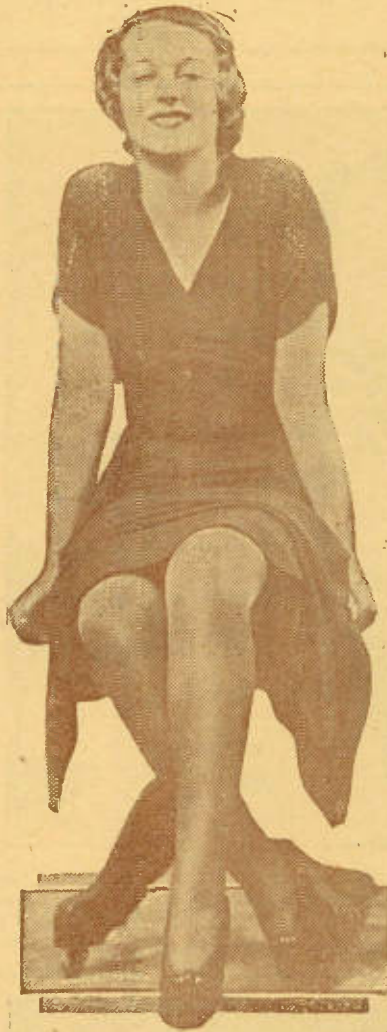
Ben Alley, Columbia tenor, and Helen Nugent, staff soprano, are veterans at the microphone and have appeared together on more than 500 programs. They first met at a Cincinnati station eight years ago. Columbia fans, with whom the pair is very popular, were pleased when they were again united on a program. They are known as Columbia's Sweethearts of the Air. Ben, by the way, celebrated New Year's Eve by attending his own wedding. Promptly at the stroke of midnight Ben married his former secretary, Miss Mildred Mauges.

Mathilde Harding, (top) persuaded her sister Irene to follow her into radio; NBC network





**Ethelyn Holt**



is one of Columbia's younger dramatic stars

*Stars from "Music That Satisfies"*

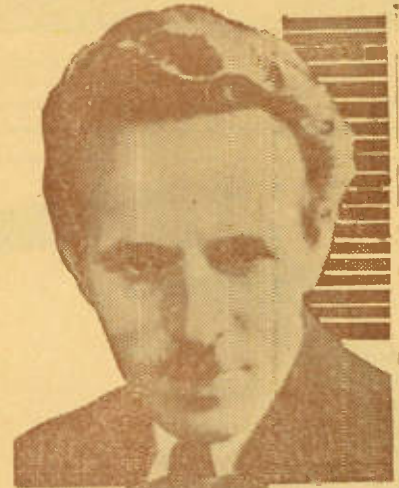


Norman Brokenshire of "how-do-you-do" fame is master of ceremonies at the "Music that Satisfies" Broadcast. Included in the cast are: the three Boswell Sisters, seated; Nat Shilkret, left; Ruth Etting and the Street Singer. The program is heard over Columbia.

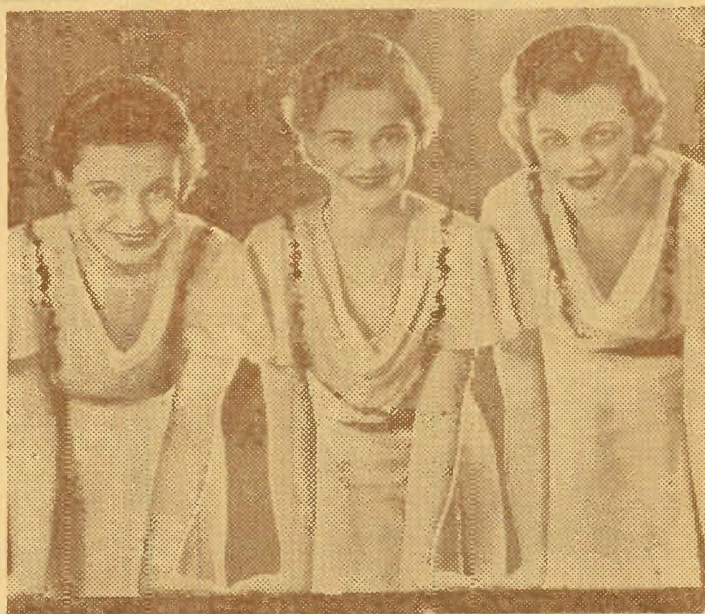


*Ruth Lyon NBC Songbird at the Chicago Studios is a University Graduate and an Accomplished Linguist*

**Same Names**



Two David Rosses--the better known, perhaps, a Columbia announcer, above; the other the conductor of the Roxy Concerters.



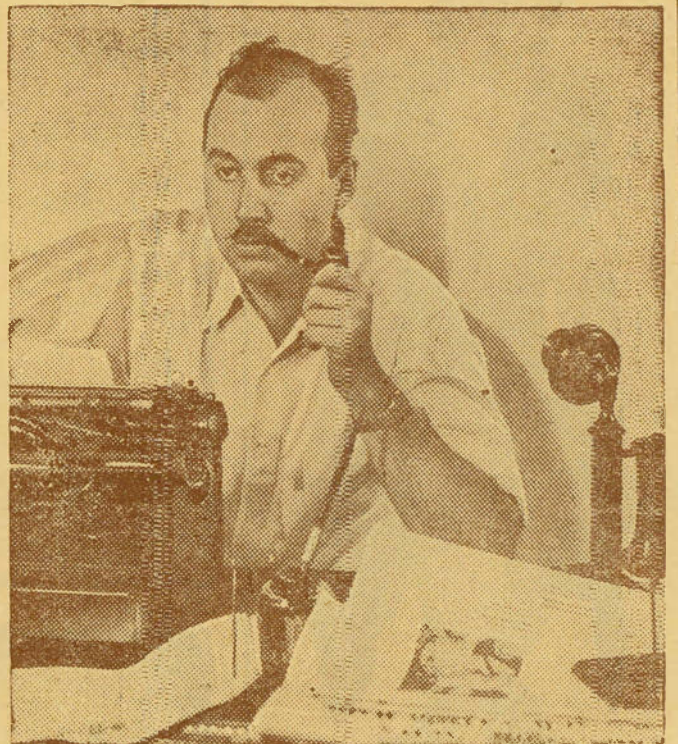
*The Pickens Sisters; harmony team from the South*

The Pickens Sisters of Georgia, Jane, Patti and Helen, had as their first teachers the singing negro workers in the fields. From them they learned the free, unstudied harmony that training in New York and abroad couldn't erase, even if they had wanted it to.

# Pictures in the News;



Leigh Lovel, as the faithful Dr. Watson, and Joseph Bell, director and announcer of the Sherlock Holmes dramatizations over NBC, are performing the familiar coffee-making ritual.



This is Raymond Knight pounding out another chapter in his beloved radio serial "Wheatenaville". Vivian Block, 11 year old girl star and Bobby Jordan, 9, play the leading roles.



Justice, as administered by His Honor Fred Allen, seems to regain its sight as Defendant Sheila Barrett presents convincing arguments justifying her selection as Radio's Beauty Queen.

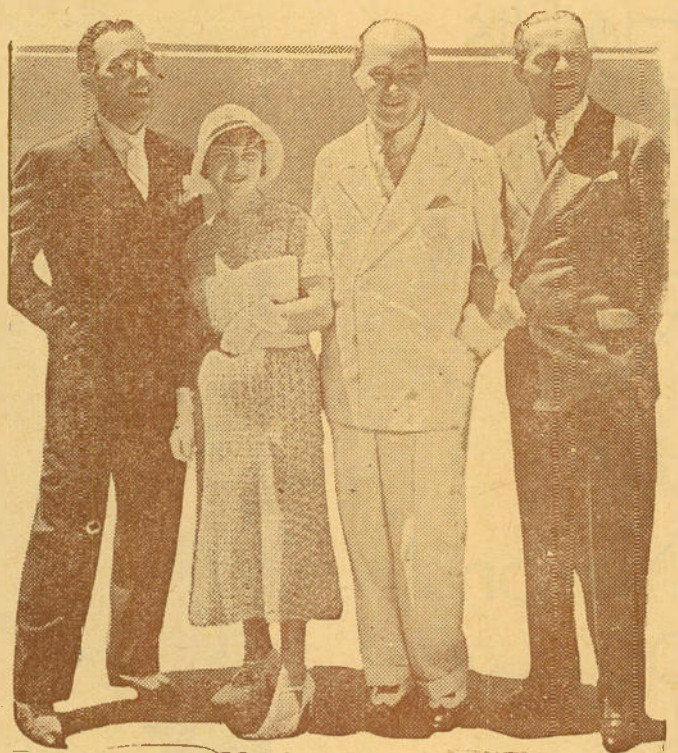


Charles J. Correll and Freeman F. Gosden--Amos 'n' Andy to you--like to fish and here we see them at the camp of Lawrence Richey, secretary to President Hoover.

# The News in Pictures



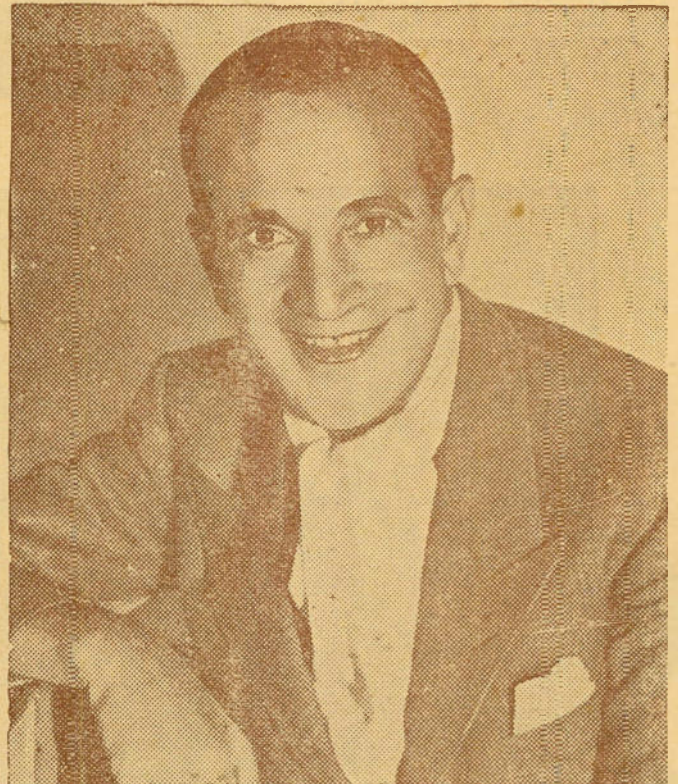
Here is Stuart Buchanan as Omar, and Betty Webb as Nur-Alan, in "The Story of Omar Kayyam". Miss Webb is well known on the stage and Buchanan on the screen.



When Bing Crosby and George Burns, Columbia Artists, were in Hollywood recently making pictures, they were visited by Ann Leaf and Freddie Rich, also of Columbia, who spent their vacation there.

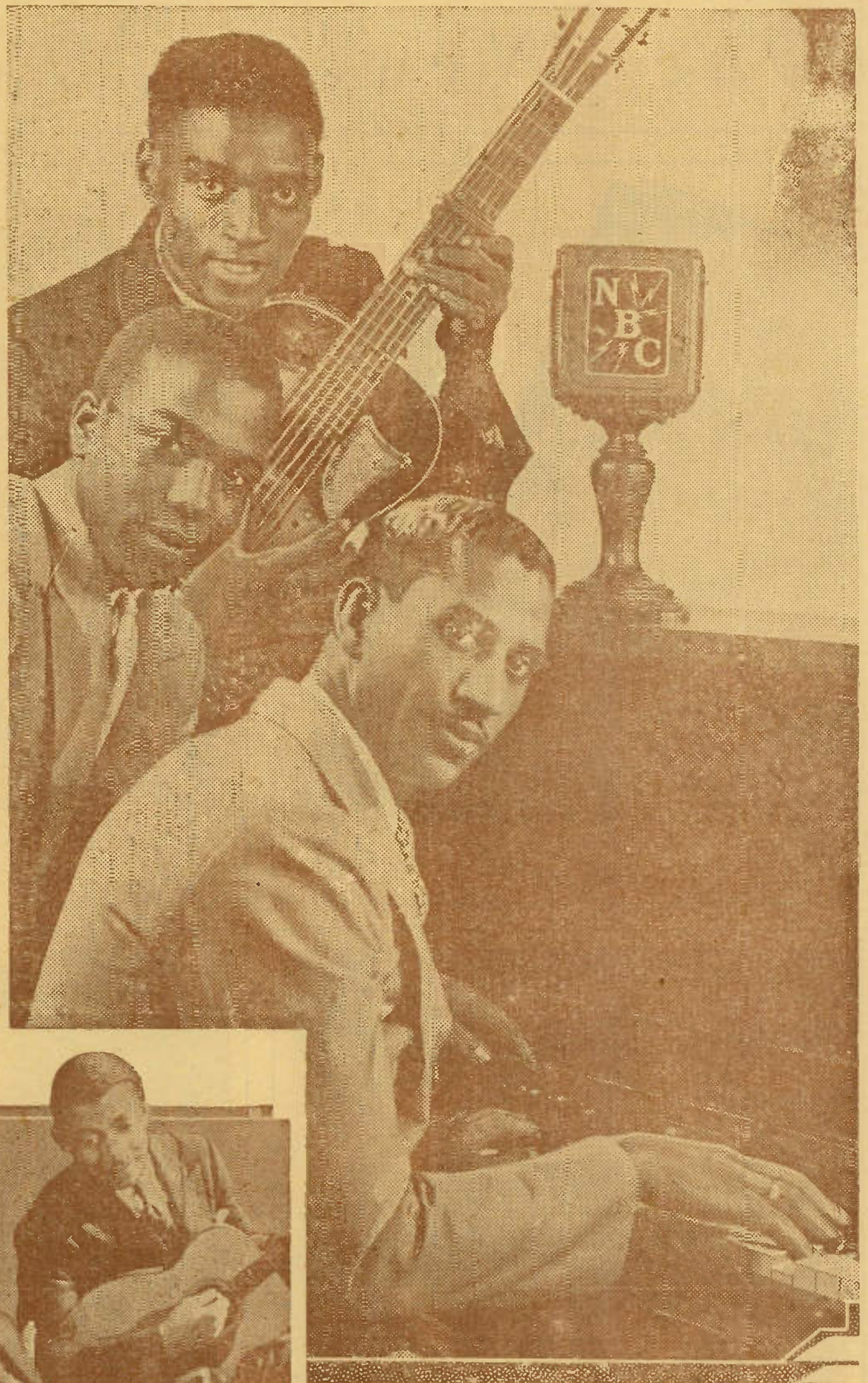


Albert Payson Terhune, novelist and authority on dogs, who broadcast a series of dog talks over NBC, is shown with one of his Sunnybank collies which was offered over the air.



Al Jolson, a Broadway institution for many years and a movie star since the birth of the talkies, is equally famous for radio broadcasts. He is heard over the NBC network.

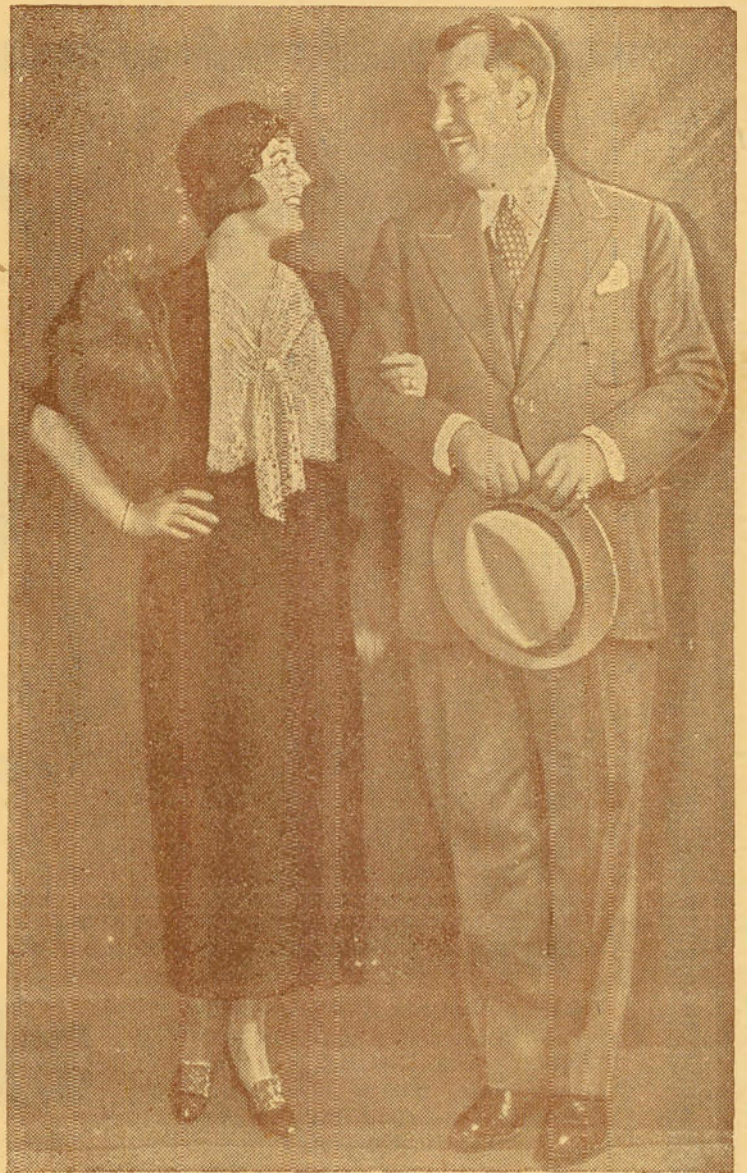
Columbia  
Has Its  
Mills  
Brothers;  
Now  
the  
National  
Presents  
The  
Three Keys



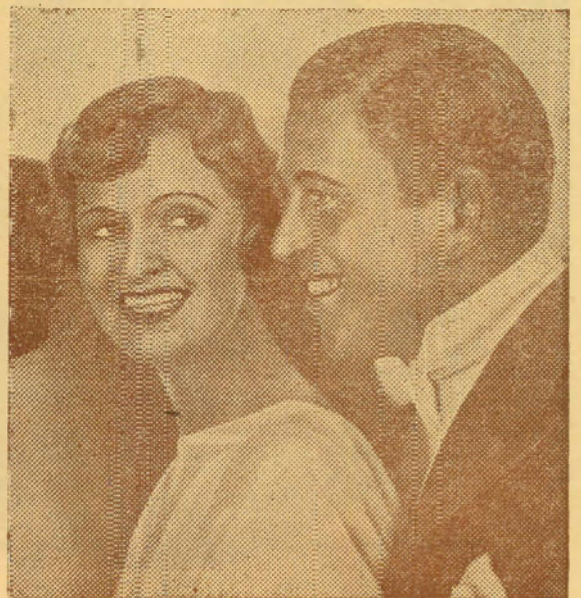
COLUMBIA sponsored the Mills Brothers (left) from the unknown to stardom; NBC now presents The Three Keys (above) and hopes—

# Artists Who Have Signed Life Contracts

JULIA Sanderson and Frank Crumit (right) have been famous on the stage many years; May Singhi Breen and Peter de Rose (below) have long appeared on the NBC networks; George Olsen, famous dance band leader, and Ethel Shutta, soloist, (lower right) are popular on the broadcast networks. In private life they are:

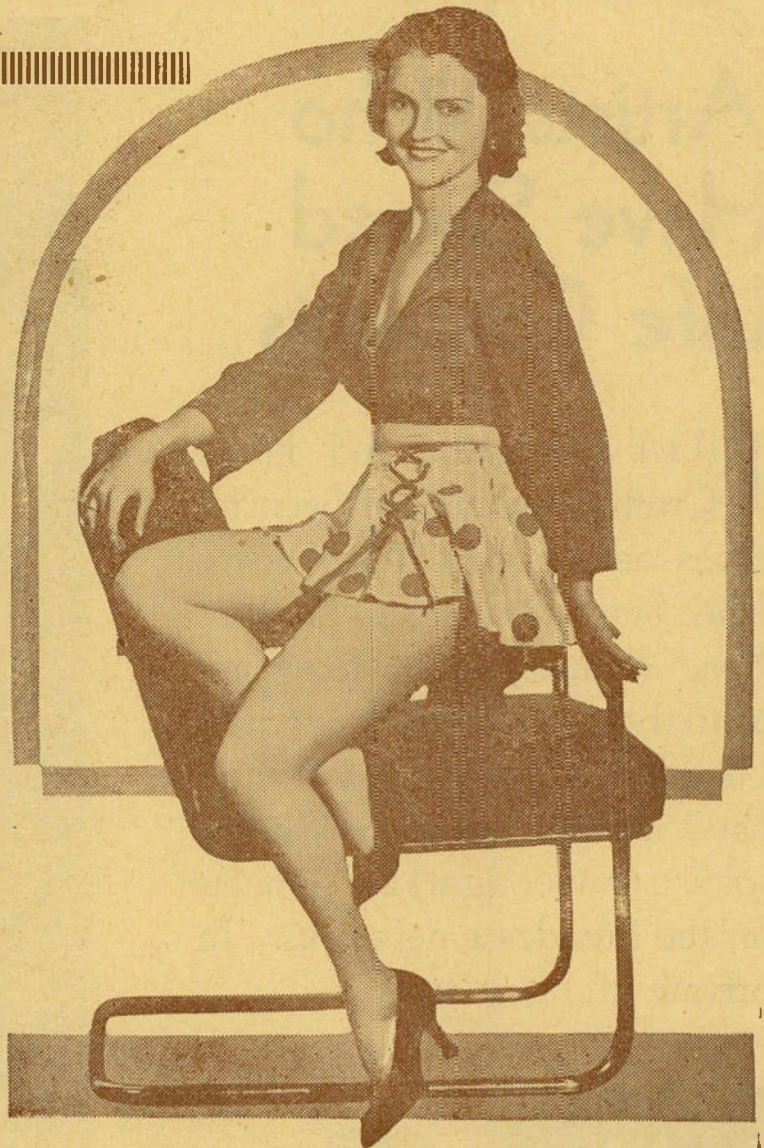


Mr. and Mrs. Frank Crumit (above)  
Mr. and Mrs. Peter de Rose (left)  
Mr. and Mrs. Geo. Olsen (below)

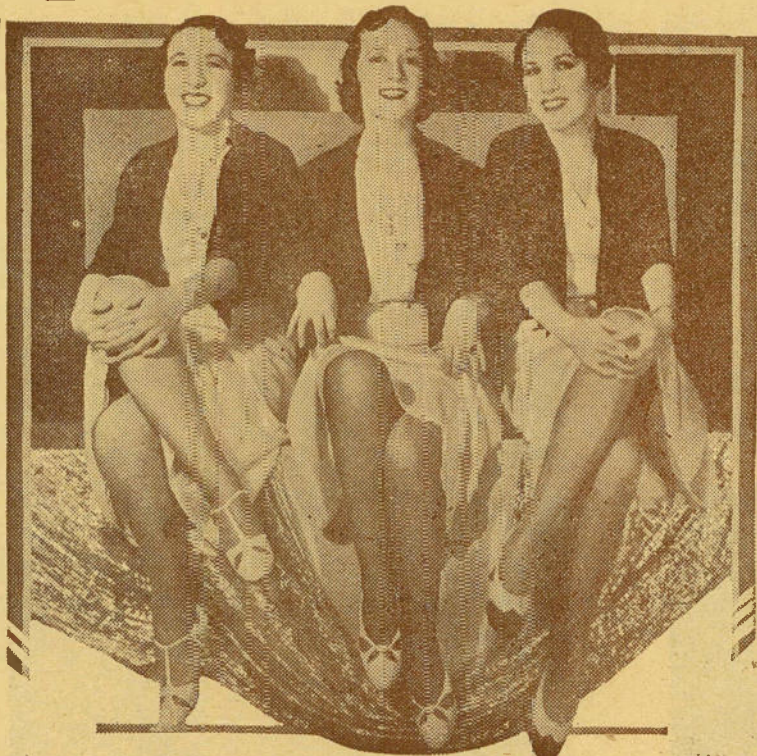




Irene Taylor, above, is heard with Paul Whiteman's orchestra over NBC, while Dorothy Thomas, right, sings to the accompaniment of Gus Arnheim's orchestra over Columbia.



Evelyn and Maybelle Ross and Ann Balthy, left, Columbia harmony team; below, Annette Hanshaw of Capt. Henry's Show Boat.



VANCOUVER - B.C.



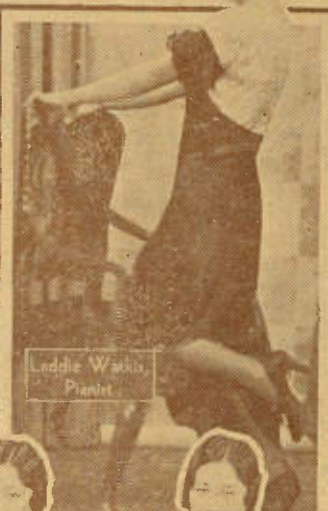
Kathleen Macdonald, Scottish Songs



June Day, Pianist



Irene Curtis, Dramatic Reader



Liddle Watkins, Pianist



Fanny and Pansy, in Cuckoo Act



Gilbert Sisters Concert Trio



Two poses of Aiko Saito, the Japanese Songbird



Kitty Campbell, the Rose Girl



Ramon Rembert, Spanish Song



Isabelle McEwan, Golden Voiced Soprano



Dorcas Romayne, "Song Girl of the Morning"

Where Women Play a Large Part in Radio

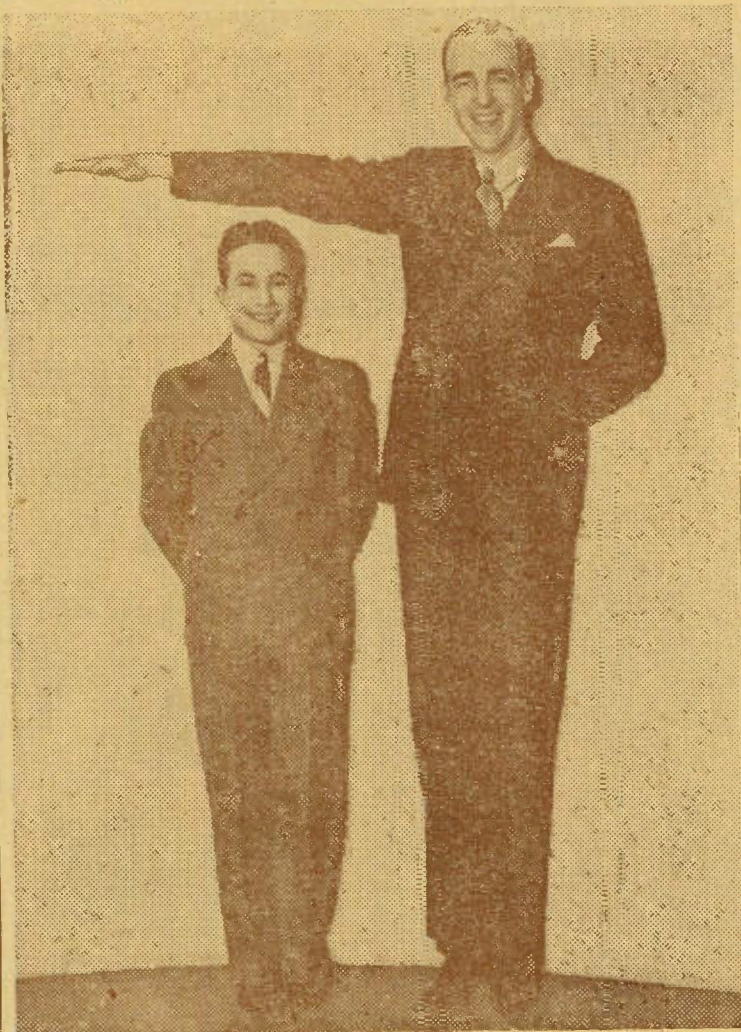
With Merc Man Relegated to Such Obscure Roles as Station Managers or Announcers. Photos by Whitefoot, Vancouver

### Then and Now



This is the A & P Gypsies— not the fine big organization of today, but what they sprung from eight years ago

### Tall and Short



Jackie Heller, tenor, stands five feet and one inch while Norman Condon, Ambassador Quartet bass, is six feet, five inches

### Women in Radio

*Belle Cutter*



is a lyric soprano appearing for Columbia

*Mrs. Eli Culbertson*



passes on her tips on contract bridge

*Georgia Backus*



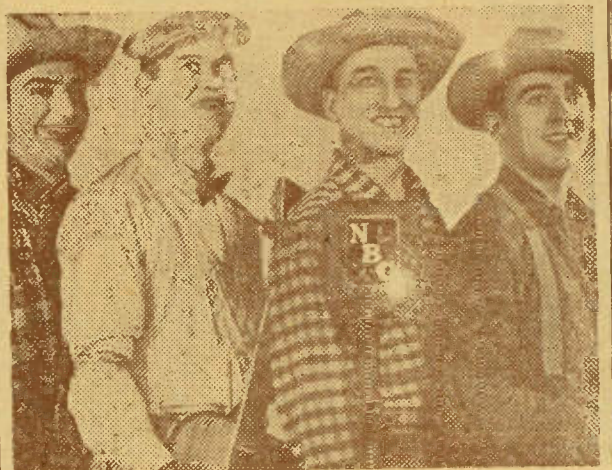
is a dramatic star on National networks

*Melissa Alexander*



vaudeville headliner, appears over Columbia

### Radio Rubes



The four hillbilly singers who are heard frequently over National Broadcasting Company Networks



# MAIN STREET

## Fast Talker



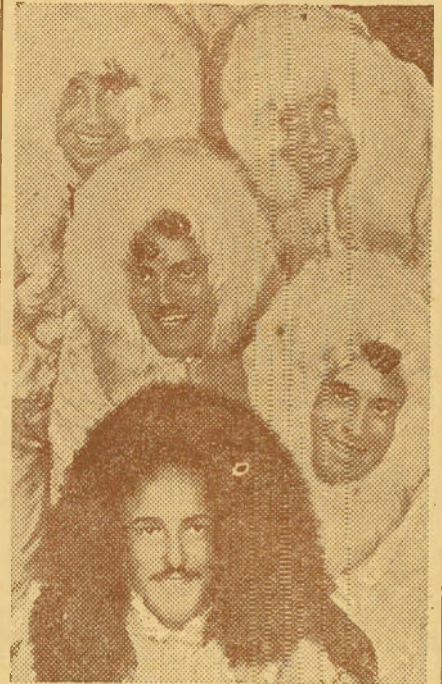
Floyd Gibbons, famous fast talker and correspondent, is now telling hair-raisers on a watch program.

## Old Script



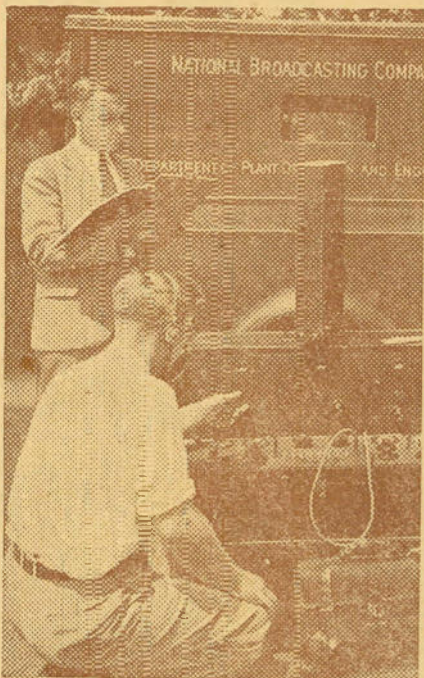
Amos 'n' Andy have had bound all the script used since they began broadcasting in 1925; NBC network.

## Eskimos



Harry Reser, center has led the Clicquot Eskimo orchestra in broadcasts for nearly eight years.

## Portable



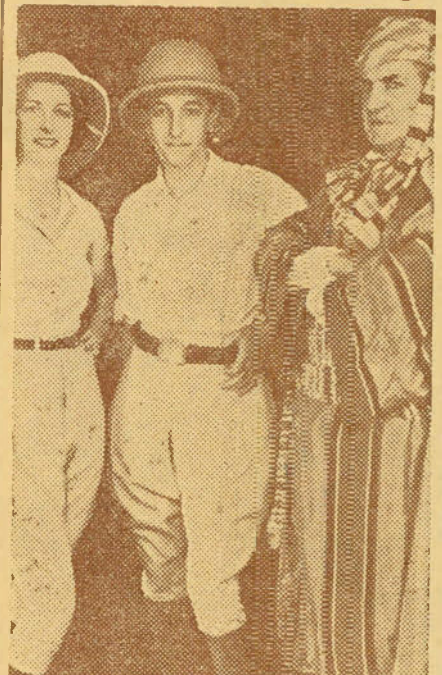
Transmitting equipment ready to go any place and to meet any emergency is maintained by NBC.

## Comedians

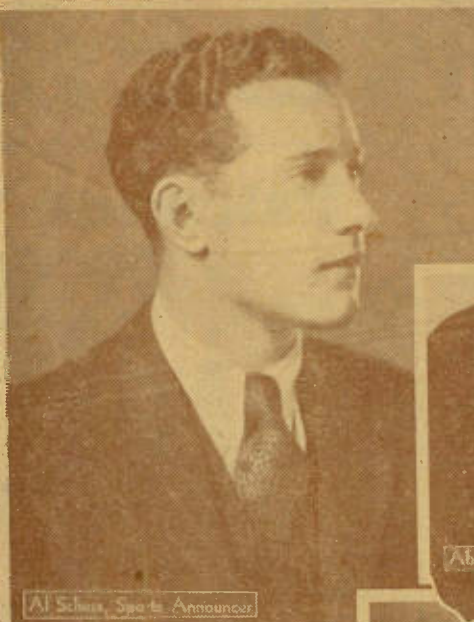


Willie and Eugene Howard have been together as a stage team nearly 25 years; NBC network.

## Desert Play



Lucille Wall, love story girl, is deep in the intrigues of a desert romance; NBC broadcast.



Al Schuss, Sports Announcer



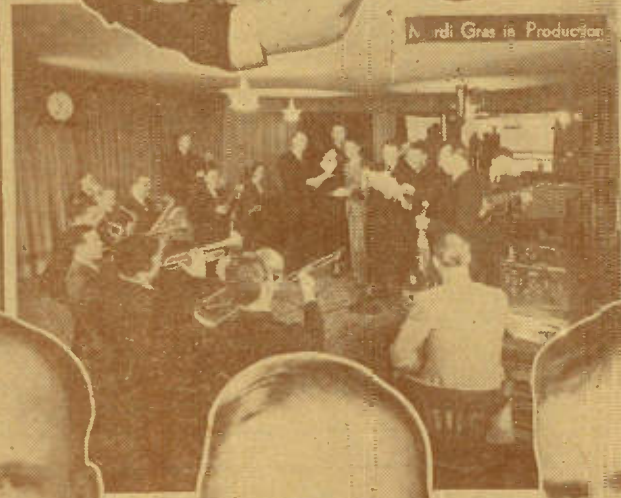
Alvin Evenden, Violinist



Cecil Jones, Announcer



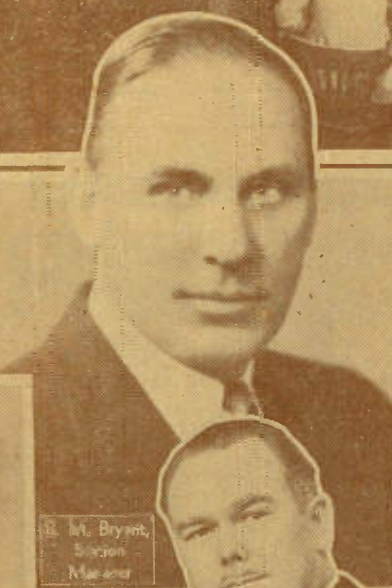
Hann Donald, Musical Director  
with  
Clara  
Cathart



Nardi Gras in Production



Grant Merrill, Pianist  
and  
Thomas Smith, Clarinet



B. M. Bryant, Organist



Mabel McInnes, Pianist



Winifred Lundberg, Contralto  
and Marshall Schl., Tenor



Elmer McCullinckly, Harpist and KJR Player

# LOG SECTION

Complete Listings of All Long and Short Wave Radio Stations Everywhere

## 4 North America Listings

Kilocycle — Sectional — Alphabetical — City

PAGES 36-50

## 3 World Listings

Kilocycle — Sectional — City

PAGES 51-57

## 9 Short Wave Classified Listings

Broadcast, Police, Phone, Code, Air, Ship, Experimental, Television  
and a Short Wave Station Finder

PAGES 58-66

## World's Official Call Letters and Their Significance

In the early days of broadcasting the adopting of call letters by radio stations had one object in view, viz.: the identification and distinguishing of one station from another and seldom had these call signs any intrinsic significance of their own. This somewhat chaotic state of affairs was entirely changed by the general redistribution of call signs which took place throughout the world when the International Radiotelegraph Regulations, drawn up by the Washington convention, were brought into force about three years ago. These regulations provided for the systematic distribution of call signs according to the nationality and nature of stations. Each country was allotted a consecutive number of call letter combinations (such as PAA, PAB, and PAC, etc.) and definite rules were agreed upon as to the type of call sign to be used by each class of station. Below is printed a list of these call letters as awarded to the nations of the earth!

### EUROPE

Albania	ZAA-ZAZ	Latvia	YLA-YLZ
Austria	UOA-UOZ	Lithuania	RYA-RYZ
Belgium	ONA-OTZ	Luxemburg	ULA-ULZ
Bulgaria	LZA-LZZ	Monaco	CZA-CZZ
Czechoslovakia	OKA-OKZ	Netherlands	PAA-PIZ
Danzig	YMA-YMZ	Norway	LAA-LNZ
Denmark	OUA-OZZ	Poland	SPA-SRZ
Estonia	ESA-ESZ	Portugal	CSA-CUZ
Finland	OFA-OCZ, OHA-OHZ	Portugese Colonies	CQA-CQZ, CRA-CRZ
France and Colonies	F	Roumania	CVA-CVZ
Germany	D	Spain	EAA-EHZ
Great Britain	C, M, VPA-VSZ, ZBA-ZHZ	Sweden	SAA-SMZ
Greece	SVA-SZZ	Switzerland	HBA-HBZ
Hungary	HAA-HAZ	Turkey	TAA-TCZ
Irish Free State	EIA-EIZ	Yugoslavia	UNA-UNZ
Italy and Colonies	I		

### SOUTH AMERICA

Argentina	LOA-LVZ	Ecuador	HCA-HCZ
Bolivia	CPA-CPZ	Paraguay	ZPA-ZPZ
Brazil	PPA-PYZ	Peru	OAA-OBZ, OCA-OCZ
Chile	CAA-CEZ	Venezuela	YVA-YVZ
Colombia	HJA-HKZ	Uruguay	CWA-CXZ
Curacao	PJA-PJZ		

### ASIA

Afghanistan	YAA-YAZ	Hejaz	UHA-UHZ
British India	VTA-VWZ	Iraq	YIA-YIZ
China	XCA-XUZ	Persia	RVA-RVZ
Dutch East Indies	UIA-UKZ, PKA-POZ	Saar	TSA-TSZ
Japan	J	Siam	HSA-HSZ
		Surinam	PZA-PZZ

### EUROPE-ASIA

Soviet Russian Republic	RAA-RQZ
-------------------------	---------

### NORTH AMERICA

Canada	CFA-CKZ, UWA-UZZ, VAA-VGZ	Iceland	TFA-TFZ
Costa Rica	TIA-TIZ	Mexico	XAA-XFZ
Cuba	CLA-CMZ	Newfoundland	VOA-VOZ
Dominican Republic	HIA-HIZ	Nicaragua	YNA-YNZ
Guatemala	TGA-TCZ	Panama	RXA-RXZ
Haiti	HHA-HHZ	Salvador	YSA-YSZ
Honduras	HRA-HRZ	United States	W, N, K

### AFRICA

Egypt	STA-STZ, SUA-SUZ	Morocco	CNA-CNZ
Ethiopia	ETA-ETZ	Union of South Africa	ZSA-ZUZ
Liberia	ELA-ELZ		

### OCEANIA

Australia	VHA-VMZ	New Zealand	ZKA-ZMZ
New Hebrides	YHA-YHZ		

In addition to the nationality of the station, however, call letters have even more significance, and by possessing a knowledge of how these letters and numerals are compiled one can usually tell at a glance to just what kind of a station a call sign belongs. While this rule is not infallible, it is generally the case, so that the listener with some understanding of the rules can readily tell the nationality and nature of the station, while by consulting lists giving the allocation of these call signs, which are published by the International (Berne) Radio Telegraph Convention, he may have full and accurate details. Exclusive of broadcast long wave and short wave stations there are four major divisions, and the way these divisions are indicated and handled by the call signs are as follows:

Fixed land ..... 3 letters      Ship ..... 4 letters      Aircraft ..... 5 letters  
Amateur and experimental ..... Nationality prefix followed by numeral and not more than 3 letters

The terms, "ship and aircraft stations," is readily understood, as is the term, "fixed land stations." This latter may embrace coastal stations, airdrome stations, or commercial high-powered stations, and their identification is fairly simple, as the number of letters only in the call is involved. There is more confusion in the amateur and experiment stations as for various reasons the rules are not always closely followed. Each country is allowed to choose the nationality prefix for both the amateur and experimental stations, and many countries, notably the United States, seize the use of the second character (the numeral) as a means of further identification. As there are nine radio districts in the United States, the call signs of amateur and experimental stations within these districts are numbered accordingly. Other countries which have adopted this check classification include Australia, Canada, Cuba, Czechoslovakia, Dutch East Indies, Finland, Japan, New Zealand, South Africa, etc. Ordinary broadcasting stations, which are the best known of radio stations, frequently form exceptions to the above rules. Being fixed land stations, they should in reality have three-letter combinations; whereas, in many instances they have four-letter combinations as well as a frequent mingling of numerals with the letters. Short-wave broadcasting stations, as in the case of experimental stations, utilize calls with a numeral following the nationality prefix.

# RADIO IN NORTH AMERICA

## (Broadcast Waves)

### 4-Way Listing of North America Stations

Radio Log and Lore contains four complete broadcast station lists of North America, cross-indexed; that is, every station is listed four times. Any stations may be found in the frequency or channel list, listed by its channel number. It may be found in the sectional or state list according to its location, also by its call letters arranged alphabetically and again in the alphabetically arranged city list. The sectional and city lists are used principally for reference purposes; that is, the former allows you to consult any given state, further indicating the stations that are in each city in the state; the city list permits you to turn to any city according to its alphabetical classification. The alphabetical call list aids in station identification when the listener has chanced to pick up all or part of the call letters repeated in announcing. That is not frequently, however, as listeners can testify that calls are heard when they are not sought, and vice-versa. By far greater use to the person seeking to identify strange stations is the frequency listings (Whitman's Rapid Station Finder). By matching the number on the Station Finder with the number on the dial and considering the probabilities based on distance and the power of the stations in the channel, you are almost certain to quickly identify the station you are listening to.

<i>Whitman's Rapid Station Finder (Kilocycle Listing)</i>	38-39
<i>North American Stations by Sections</i>	41-43
<i>North American Stations Alphabetically by Cities</i>	44-45
<i>North American Stations Alphabetically by Calls</i>	46-50

### United States Channel Classification

Broadcasting channels have been divided by the Radio Commission into three general classifications—cleared (for high power stations capable of being heard throughout the nation), regional (for stations occupying regions of approximately a fourth of the country's area), and local (for small powered stations that broadcast programs only of local interest). In order to make equitable division of the country's broadcast facilities, each zone has been allotted an equal number of stations in each classification.

**CLEARED CHANNEL STATIONS**—Forty cleared channels were designated by the Commission; eight were awarded each zone and stations selected for these frequencies.

**LOCAL CHANNEL STATIONS**—Six channels were then set aside for the service of small communities—small power stations that do not reach out of their own immediate territory. These are known as local channels, but a single one of these channels may carry as many stations as occupy all the cleared channels. The reason is obvious; the power limit of 100 watts permits of the radio waves, even at night, carrying only a short distance. Nearly all states are represented in each of the local channels.

**REGIONAL CHANNEL STATIONS**—The Regional Channel Stations, in power, are between the Cleared and Local Channel Stations. As the former is nation-wide and the latter covering not to exceed an area of a single state, the regional station is given an area equal to many states for its broadcasting activities. Power is allotted on a basis that will not permit of interference at any point of reception, between regional stations and a given frequency.

### U. S.-Canada Division of Broadcast Channels

Three-quarters of North America's broadcasting stations are located in the United States and it has been charged that she occupies even more than that percentage of the broadcasting channels. There is a working arrangement between the United States and Canada over a division of channels, but outside of this agreement, broadcasting has been haphazard, the United States using all broadcasting channels not conceded to Canada. The other two major countries, Mexico and Cuba, have utilized such channels as they saw fit. In the case of Cuba, the stations are of small power and little confusion has resulted. Mexican stations, however, have caused considerable interference. In the absence of an arrangement for a division of channels, Mexico has licensed stations near the border on frequencies close to stations of similar frequency across the border.

Of the 96 channels in the broadcast span, there are six conceded to Canada, in which no United States stations appear; there are 73 wholly United States in which there are no Canadian stations. There are also channels to which both United States and Canadian stations are assigned so as not to interfere with each other. In addition Canada utilizes Channel 54, just out of the broadcast span, to which one station has been assigned. This, however, is of doubtful value, as few sets are calibrated to permit its dialing.

**Canadian Exclusive Channels: 54, 69, 73, 84, 91, 96 and 103**

**89, 92, 93, 99, 101, 112, 120 and 121**

**Canadian Shared Channels: 58, 60, 63, 65, 67, 75, 78, 82, 88,**

# THE FACILITY OF DIALING

## STATION IDENTIFICATION EASY WITH

# Whitman's Rapid Station Finder

Whitman's Rapid Station Finder, on the two succeeding pages, is an accurate panorama of broadcasting in North America. Each frequency or channel is ruled off into a rectangle with the channel number in the upper left corner and each of these is a faithful reproduction of broadcasting in that channel as follows.

- 1—The size and importance of each station is indicated by the size of the call letters; thus Cleared Channels, occupied entirely or principally by super-power stations, are apparent. Regional Channel stations are in medium type while stations in Local Channels, which are marked with a star, are continued on a following page.
- 2—Location and power of stations follow call letters. Share-time stations are hyphenated and grouped on the same line.

The speed and facility of dialing with this chart is obvious. With channel numbers arranged in columns of ten, finding the channel is almost instantaneous; once found complete broadcasting information is at hand.

# WHITMAN'S RAPID

**150 CHANNEL**  
**KREG-KDB**  
 Santa Ana—100—Santa Barbara  
**WMBQ-WMIL-WWRL**  
 Brooklyn, Brooklyn, Newark, 100  
 KNOW—Austin, Texas 100  
 KPJM—Prescott, Ariz. 100  
 WRBB—East Dubuque, Ill. 100  
 WBSZ—Ludington, Mich. 100  
 WMPG—Lapeer, Mich. 100  
 WNSF—Binghamton, N. Y. 100  
 WPRN—Philadelphia, Pa. 100  
 WRDW—Augusta, Ga. 100  
 WWSW—Pittsburgh, Pa. 100

All NORTH AMERICAN STATIONS

Local Stations Are Continued on Another Page

Copyright 1933 by W. R. Whitman Kirkland, Wash. All Rights Reserved

**54 CHANNEL**  
**CKOK**  
 Windsor, Ont., 1,000

**55 CHANNEL**  
**KFDY-KFYR**  
 Breasport, N. C.—1,000—Bismarck  
**KOAC**  
 Corvallis, Ore., 1,000  
**WGR**  
 Buffalo, 1,000  
**KFUO-KSD**  
 Clayton, Mo.—800—St. Louis  
 WRCC—Cincinnati, Ohio 500  
 WDEV—Waterbury, Vt. 500

**56 CHANNEL**  
**WPCC-WIBO**  
 800—Chicago—1,000  
**WFI-WLIT**  
 Philadelphia, 500  
**KFBM**—Beaumont, Tex. 500  
 WNOX—Knoxville, Tenn. 1,000  
 WQAM—Miami, Fla. 1,000  
 KTAB—San Francisco, Cal. 1,000  
 KLZ—Denver, Colo. 1,000

**57 CHANNEL**  
**WNAX**  
 Yonkers, N. Y. 1,000  
**WNWC**  
 Annapolis, Md. 1,000  
**WNYC-WMCA**  
 New York, 500  
**WKBN-WEAO**  
 Youngstown, 500; Columbus, 1,000  
 KGRG—Wichita Falls, Texas 250  
 WBY—Syracuse, N. Y. 250  
 KYI—Tacoma, Wash. 500  
 KMTR—Los Angeles, Cal. 500

**58 CHANNEL**  
**KSAC-WIBW**  
 Manhattan, 500; Toronto, 1,000  
**CKUA-CHMA**  
 500—Edmonton—250  
**WOBU-WSAZ**  
 Charlotte—250—Washington  
 WTAG—Worcester, Mass. 250  
 WBOB—Orlando, Fla. 250  
 CKLC—Toronto, Ont. 500  
 CFCT—Charlottetown, P. E. I. 500  
 KMJ—Fresno, Cal. 500

**59 CHANNEL**  
**CMW**  
 Havana, 1,000  
**KHQ**  
 Beahm, Wash. 1,000  
**WEEI**  
 Boston, 1,000  
**WKZO**  
 Kalamazoo, Mich. 1,000  
**WCM**  
 Minneapolis City, Minn. 1,000  
**WOW-WCAJ**  
 Omaha, 1,000; Lincoln, 500

**60 CHANNEL**  
**WMT**  
 Waterloo, Iowa, 500  
**WREC**  
 Memphis, Tenn. 500  
**KFSD**  
 San Diego, Cal. 500  
**CNRO**  
 Ottawa, Ont., 500  
**WIC-WCAC**  
 Bridgeport, Conn. 500—St. Louis, Conn.  
 TISQ—San Jose, Costa Rica. 50  
**WCAO**—Baltimore, Md. 250

**61 CHANNEL**  
**KFRC**  
 San Francisco, 1,500  
**WDAF**  
 Kansas City, 1,000  
**WIP-WFAN**  
 Philadelphia, 500  
**WJAY**  
 Cleveland, 500  
 TIXA—San Jose, Costa Rica 50

**62 CHANNEL**  
**WFLA**  
 Clearwater, Fla., 1,000  
**WTMJ**  
 Milwaukee, 1,000  
**KGW**  
 Portland, Ore., 1,000  
**WLBZ**  
 Bangor, Me., 500  
**KTAR**  
 Phoenix, Ariz., 500

**63 CHANNEL**  
**KFRU-WOS-WGBF**  
 Columbia, Jefferson, Evansville 500  
**CKOC-CHCS-CKTB**  
 Hamilton, Hamilton, St. Catharines 500  
**CMCJ-CHQ**  
 Havana, 250  
 KGPX—Pierre, S. D. 50  
 CFCT—Victoria, B. C. 50  
 XET—Vera Cruz, Mex. 500  
 CBA—Moncton, N. B. 500  
 CJXJ—Yorkton, Sask. 500  
 WMAL—Washington, D. C. 250

**64 CHANNEL**  
**KFI**  
 LOS ANGELES, 50,000  
 WOI—Ames, Iowa 5,000  
 XPG—Mexico City, Mex. 2,000  
 WAIU—Columbus, Ohio 100

**65 CHANNEL**  
**WSM**  
 Nashville, 50,000  
**CHRC-CKCI**  
 Quebec, 100  
 CACB—Canton, Ont. 100  
 KPC—Seattle, Wash. 100

**66 CHANNEL**  
**WEAF**  
 NEW YORK, 30,000  
**CHDC-CMCO**  
 500—Marlana, Cuba—250  
 RUS—San Salvador, Salvador 500  
 WAAW—Omaha 500

**67 CHANNEL**  
**WMAQ**  
 CHICAGO, 3,000  
**CJRW-CJRM**  
 Winnipeg—500—Moosie Jaw  
 CHWR—Chittowack, S. C. 100  
 HIR—Santa Domingo 1,000  
 TIGP—San Jose, Costa Rica 75

**68 CHANNEL**  
**KPO**  
 SAN FRANCISCO, 30,000  
 KFEQ—St. Joseph, Mo. 2,500  
 WPTF—Raleigh, N. C. 1,000  
 VOWR—St. Johns, Newf'd's 500

**69 CHANNEL**  
**VAS**  
 Gloucester Bay, N. B., 2,000  
**CFRB**  
 Toronto, 10,000  
**CFAC-CJG**  
 Calgary, 500  
**XET**  
 Monterey, Mex., 500

**70 CHANNEL**  
**WLW**  
 CINCINNATI, 50,000

**71 CHANNEL**  
**WOR**  
 NEWARK, 50,000  
 XEN—Mexico City, Mex. 1,000  
 KMPG—Beverly Hills, Cal. 500  
 TIFB—San Jose, Costa Rica 50

**72 CHANNEL**  
**WGN**  
 CHICAGO, 25,000

**73 CHANNEL**  
**CMK**  
 Havana, 2,150  
**CKAC-CHYC**  
 Montreal, 5,000  
 CKCB-CKWX-CKFC-CKMO-CHLS  
 Vancouver, 100

**74 CHANNEL**  
**WSB**  
 ATLANTA, 50,000  
**XER**  
 Villa Acuña, Mex. 75,000  
 KEMU—Clay Center, Neb. 1,000  
 WHEB—Portsmouth, N. H. 250

**75 CHANNEL**  
**WJR**  
 Detroit, 10,000  
 XEQ—C. Juarez, Mex. 5,000  
 KESU—Hanksville, Nevada 2,500  
 CJCA—Edmonton, Alberta 500

**76 CHANNEL**  
**WJZ**  
 New York, 30,000  
 WEW—St. Louis 1,000  
 KKA—Seattle, Wash. 250

**77 CHANNEL**  
**WBBM-KFAB**  
 Chicago—25,000—Lincoln

**78 CHANNEL**  
**CKY**  
 Winnipeg, 5,000  
**KTM-KELW**  
 Los Angeles—500—Burbank  
 WEAN—Presidents, R. I. 250  
 WMC—Memphis, Tenn. 500  
 WTAR—Norfolk, Va. 500  
 XEZ—Mexico City, Mex. 500

**79 CHANNEL**  
**WGY-KGO**  
 SCHENECTADY, 50,000 and  
 SAN FRANCISCO, 7,500  
 CMST-CMSS-CMHC  
 Havana, 150, 150; Tutuacu, 250

**80 CHANNEL**  
**WBAP-WFAA**  
 FORT WORTH, 50,000—DALLAS

**81 CHANNEL**  
**WCCO**  
 MINNEAPOLIS, 50,000  
 WPCM—New York, N. Y. 500  
 XFC—Aguascalientes, Mex. 350

**82 CHANNEL**  
**WHAS**  
 LOUISVILLE, 25,000  
**CHMS-CHRM**  
 Halifax, 500  
 XFM—Mexico City, Mex. 1,000  
 CMCG—Matanzas, Cuba 50

**83 CHANNEL**  
**KOA**  
 DENVER, 30,000  
 WRUF—Gainesville, Fla. 5,000  
 WEL—Reading, Pa. 1,000  
 WOD—Boston 1,000  
 CMCA—Columbus, Ohio 50  
 TICA—San Jose, Costa Rica 50

**84 CHANNEL**  
**CKLC**  
 Red Deer, 1,000  
**CMC**—Havana 500  
**CKGW-CPRY-CIBC-CHNC**  
 10,000, 1,000—Toronto—5,000, 5,000

**85 CHANNEL**  
**KWKH-WWL**  
 Brevard—10,000—New Orleans  
 KIEV—Glendale, Cal. 100

**86 CHANNEL**  
**WABC**  
 NEW YORK, 50,000  
 WMB—Kansas City 500  
 XFX—Mexico City, Mex. 800  
 TYS—San Jose, Costa Rica 50  
 CMJE—Camaguey, Cuba 25

**87 CHANNEL**  
**WLS-WENR**  
 CHICAGO, 80,000

**88 CHANNEL**  
**KFKA-KPOF**  
 Greeley, Colo.—800—Denver, Colo.  
**WGBI-WGAN**  
 Scranton, Pa. 250  
 CKPC—Fresno, Ont. 100  
 CHML—Hamilton, Ont. 100  
 CICE—St. John's, N. B. 50  
 CKCV—Quebec, Quebec 50  
 WSDI—Iowa City, Iowa 500  
 KLX—Oakland, Cal. 500  
 WCOC—Meridian, Miss. 500

**89 CHANNEL**  
**KFNF-KUSD-WILL**  
 Sheboygan, Iowa 300; Vermilion, S. D. 500; Urbana, Ill. 250  
**CMX-CMCP**  
 100—Havana—250  
 KSEI—Saginaw, Mich. 250  
 WMB—Bismarck, N. D. 250  
 WCBT—Ashtabula, Ohio 250  
 CKCO—Ottawa, Ont. 100  
 CICE—St. John's, N. B. 50  
 SGT—St. John's, Newfoundland  
 KARK—Little Rock, Ark. 500  
 WJAR—Providence, R. I. 500  
 XES—Tampica, Mex. 500  
 CFBO—St. John, N. B. 500

**90 CHANNEL**  
**WLBL**  
 Stearns Point, Wis., 2,000  
**WBEN**  
 Buffalo, 1,000  
**WJAX**  
 Jacksonville, 1,000  
**WKY**  
 Oklahoma City, 1,000  
**KHJ**  
 Los Angeles, 1,000  
 KGBL—Relchikan, Alaska. 500

**91 CHANNEL**  
**XEW**  
 Mexico City, Mex., 5,000  
**CJGC**  
 London, 5,000  
**CFQC**  
 Saskatoon, 500  
 TICR—Cagua, Cuba 75

**92 CHANNEL**  
**KPRC**  
 Houston, 1,000  
**WWJ**  
 Detroit, 1,000  
**KOMO**  
 Seattle, 1,000  
**KPFX-KFEL**  
 Denver, 500  
 KFF—Chihuahua, Mex. 500  
 WBO—Newham, Mass. 500  
 WAAF—Chicago, Ill. 500  
 CFCC—Provincetown, Ont. 100  
 MNR—Port au Prince, Haiti. 1,000

**93 CHANNEL**  
**KMA-KGBZ**  
 Shreveport, Louisiana—1,000  
**KFWI-KROW**  
 San Francisco—250—Oakland  
**CFRC-CFCM**  
 Kingston, N. B. North Bay Ont. 100  
**CMJF-CMCH-CMCD**  
 Camaguey, 250; Matanzas, Mex. 250  
 WBG—Glendale, Pa. 100  
 WDB—Roanoke, Va. 100  
 WBCB—Birmingham, Ala. 500  
 CKX—Brandon, Man. 500

**94 CHANNEL**  
**XEO**  
 Mexico City, Mex., 5,000  
 WMA—Madison, Wis., 1,000  
 WFTW—Morgantown, Ky., 1,000  
 WDAY—Fargo, N. D., 1,000  
 WCSN—Portland, Me., 1,000  
 KOIN—Portland, Ore., 1,000  
 WAAT—Jersey City, N. J., 300

**95 CHANNEL**  
**KGHL**  
 Billings, Mont., 1,000  
**KMBC**  
 Kansas City, 1,000  
**KFWB**  
 Hollywood, 1,000  
**WRC**  
 Washington, 500  
 VORR—St. John's, Newfoundland  
 CMH—Cuba, Cuba 250  
 VORR—St. John's, Newfoundland 75

**96 CHANNEL**  
**CHWC-CKCK**  
 Regina, 500  
**CKNC**  
 Toronto, 500  
 CMJL—Camaguey, Cuba 50  
 CKCR—Charlottetown, P. E. I. 100

**97 CHANNEL**  
**KJR**  
 SEATTLE, 5,000  
**CMSC-CMAD**  
 Havana, Cuba, 150  
 XED—Rayosa, Mex. 10,000  
 WCPJ—Chicago, Ill. 5,000

**98 CHANNEL**  
**KDKA**  
 PITTSBURGH, 50,000

**99 CHANNEL**  
**WBZ-WBZA**  
 25,000—BOSTON—1,000  
 CFCC—Calgary 10,000  
 XES—Mexico City, Mex. 100  
 CMGF—Matanzas, Cuba 50

# STATION FINDER

**100 CHANNEL WHO-WOC**  
Des Moines—50,000—Davenport

★ WORK—York, Pa. 1,000  
KFVD—Los Angeles 250

---

**101 CHANNEL KQW**  
San Jose, 500

**WIS**  
Columbia S C 100

**KGFB-WNAD**  
Cape Girardeau—500—Norman, Okla

**WQAO-WHN-WRNY**  
New York, 250

CMZ—Havana, Cuba 100  
CJIC—Cienfuegos, C. 50  
YRBA—Cartago, Costa Rica 30

---

**102 CHANNEL KYW**  
CHICAGO, 18,000

XFED—Tijuana, Mex. 200  
WRAX—Philadelphia 250  
CMJM—Ciudad de Avila 15

---

**103 CHANNEL CNRV**  
Vancouver, B. C. 500

**CFCF**  
Montreal, 500

**CMKC**  
Santiago de Cuba, 100

XEB—Mexico City 1,000  
CMH—Santa Clara, Cuba 30

---

**104 CHANNEL KTHS-KRLD**  
Hot Springs—10,000—Dallas

WEG—Elmira, N. Y. 1,000  
WBAR—E. Lansing, Mich 1,000  
CMGN—Matanzas, Cuba 150

---

**105 CHANNEL KNX**  
LOS ANGELES, 25,000

WFB—Atlanta, Kansas 5,000  
CMJG—Camaguey, Cuba 50  
XEFC—Merida, Mex. 10

---

**106 CHANNEL WBAL-WTIC**  
BALTIMORE, 10,000, and  
HARTFORD, 50,000

WJAG—Norfolk, Neb. 1,000  
WJJJ—Portland, Ore. 500

---

**107 CHANNEL WTAM**  
CLEVELAND, 50,000

CMBG-CMCG  
25—Havana—100  
WVGO—San Francisco 100  
WJZ—Tampa, Fla. 100  
WGAZ—Capehart, Va. 50

---

**108 CHANNEL WBT**  
CHARLOTTE, N. C., 25,000

WCBD-WMBI  
Zion, Ill.—3,000—Chicago  
XEG—Mexico City, Mex. 100

---

**109 CHANNEL KMOX**  
ST. LOUIS, 10,000

**110 CHANNEL WLWL-WPG**  
New York—3,000—Atlantic City

KGDM—Stockton, Cal. 200

---

**111 CHANNEL WRVA**  
RICHMOND, 5,000

K900—Blount Falls, S. D. 2,000

---

**112 CHANNEL KFSG-KRKD**  
Las Vegas—500

**WTAW-KTRH**  
College Sta. Tex.—500—Houston

**WISN-WHAD**  
Milwaukee, 200

**CJOC-CFJC**  
Lathbridge—100—Lima, Peru 250  
WDEL—Washington, D.C. 250  
WJSC—Seattle, Wash. 100  
WFO—Seattle, Wash. 100

CPCA—Toronto, Canada 500  
CMBS—Summerside, P. E. I. 500

---

**113 CHANNEL KSL**  
SALT LAKE CITY, 50,000

WJD—Mooseheart, Ill. 20,000  
WQV—New York 1,000  
XEM—Monterrey, Mex. 1,000  
CMH—Cienfuegos, Cuba 50

---

**114 CHANNEL WAPI-KVOO**  
BIRMINGHAM—25,000—TULSA

CMCA-CMBW  
1,000—Havana—100  
XETA—Mexico City, Mex. 500

---

**115 CHANNEL WHAM**  
ROCHESTER, 25,000

---

**116 CHANNEL WWVA-WOVO**  
WHEELING, 5,000, and  
PORT WAYNE, 10,000

---

**117 CHANNEL WCAU**  
PHILADELPHIA, 50,000

---

**118 CHANNEL KEX-KOB**  
PORTLAND, ORE., 5,000, and  
ALBUQUERQUE, N. M., 10,000

WDGY—Minneapolis, Minn. 1,000  
WJSG—New York, N. Y. 500  
WMAZ—Miami, Fla. 500  
YRBA—Cartago, Costa Rica 30

---

**119 CHANNEL WOAI**  
SAN ANTONIO, 10,000

**120 CHANNEL KGEW-KGEK**  
Fort Morgan—100—Yuma, Colo

**WABZ-WJBW**  
New Orleans, 100

**WJBC-WJBL**  
La Belle, Ill.—100—Decatur, Ill.

**WVAE-WFAM**  
Hammond, Ind.—100—So. Bend

**WIL-KFWF**  
St. Louis, 100

---

**121 CHANNEL CJOR**  
Vancouver, 500

**WVAX-WJBU**  
Wilkes Barre—100—Lewisburg, Pa.

**WCBS-WTAX**  
Springfield, Ill., 100

**KFKM-KPPC**  
San Bernardino, 100, Pasadena, 50

**WCRW-WEDC-WSEC**  
Chicago, 100

---

**122 CHANNEL WDAE**  
Tampa, Fla., 1,000

**WCAE**  
Pittsburgh, 1,000

**KFKU-WREN**  
Lawrence, 500, Tangipahoa, 1,000

**KWSC-KTW**  
Pullman, Wash.—1,000—Seattle

**WCAB—Canton, N. Y. 500**

---

**123 CHANNEL WNAC**  
Boston, 1,000

**KYA**  
San Francisco, 1,000

**WFBM-WSBT**  
Indianapolis, 1,000, and So. Bend, 400

KGGH—Abbeville, N. C. 500  
KFGH—Anchorage, Alaska 250  
KFTG—Mexico City, Mex. 200

---

**124 CHANNEL KTAT-WACO**  
Ft. Worth—1,000—Waco, Tex.

**WXYZ**  
DETROIT, 1,000

**WKAQ**  
San Juan, Puerto Rico, 1,000

**CMCA-CMBW**  
150—Havana, Cuba—250

**KTFI—Twin Falls, Idaho 500**  
KLPB—Miami, N. D. 250  
KOCU—Raleigh, N. C. 250

---

**125 CHANNEL KFOX**  
Long Beach, 1,000

**WAAM-WGCP-WODA**  
Newark, 1,000, 250; Paterson, 1,000

**WLB-WRHM-KFMX-WCAL**  
Minneapolis—1,000—Northfield

**WDSU**  
New Orleans, 1,000

XEPB—Mexico City, Mex. 250  
CMAB—Pinar del Rio, Cuba 200

---

**126 CHANNEL KOIL**  
Council Bluffs, 1,000

**KFPY**  
Spokane, Wash., 1,000

**KRGV-KWVG**  
Hartinger—500—Brewerite

**WNBX—Springfield, Vt. 250**  
CMJJ—Ciudad de Avila, Cuba 50

WTC—Sarasota, Fla. 500  
WLSW—Erie, Pa. 500  
KVQA—Tucson, Ariz. 500

---

**127 CHANNEL WFBR**  
Baltimore, Md., 500

**WOOD-WASH**  
Grand Rapids, Mich., 500

**KWLK-KCCA**  
Dearborn, Mich., 100

**CMCU-CMCW**  
Havana—100—Maricao

XEPB—Monterrey, Mex. 50

**KOL—Seattle, Wash. 1,000**  
**KVOR—Colorado Springs, Colo. 1,000**  
**WJDX—Jackson, Miss. 1,000**

---

**128 CHANNEL WDDO**  
Chattanooga, Tenn., 1,000

**KFBB**  
Great Falls, Mont., 1,000

**WRR**  
Dallas, Texas, 500

**WIBA**  
Madison, Wis., 500

**WCAM-WCAP-WOAX**  
Camden, Asbury Park, and  
Teleton, N. J., 500

---

**129 CHANNEL WJAS**  
Pittsburgh, 1,000

**KDYL**  
Salt Lake, 1,000

**WBCB**  
Cleveland, 1,000

**KTSA-KFUL**  
San Antonio, 1,000, Galveston, 100

WJBF—Spring Lake, N. Y. 50  
KLCN—Birmingham, Ala. 50

**130 CHANNEL WIOD**  
Miami, Fla., 1,000

**KFH-WOQ**  
Wichita—1,000—Kansas City

**KGFB-KFAC**  
Los Angeles, 1,000

**KFJR-KALE**  
Portland, Ore., 500

**WBBR-WFAB-WEYD-WHAZ**  
New York, 1,000, 1,000, 500, 500

CMKA—Guantanamo, Cuba 30  
XEM—Mexico City, Mex. 200

---

**131 CHANNEL WHAT-WTEL**  
Philadelphia, 100

**KTSM-WDAH**  
El Paso, 100

**WJAC-WFBG**  
Johnstown, Pa.—100—Altoona

**WRAW-WGAL**  
Reading, Pa.—100—Lancaster

**WTRC-WLBC**  
Elkhart, Ind.—50—Muncie, Ind.

---

**132 CHANNEL WADC**  
Tolima, Ohio, 1,000

**WSMB**  
New Orleans, 500

KMB—Honolulu 250  
KGNF—Proble, Colo. 250  
KID—Mabo Falls, Idaho 250

---

**133 CHANNEL KSCJ-WTAQ**  
Brew City—1,000—Eau Claire

**WDRG**  
Hartford, Conn., 500

**WSAI**  
Cincinnati, 500

**KGB**  
San Diego, 1,000

TITR—San Jose, Costa Rica 75  
XEC—Toluca, Mex. 50

**KMO—Tacoma, Wash. 250**

---

**134 CHANNEL WSPD**  
Tulsa, 1,000

**WCOA**  
Pensacola, Fla., 500

---

**135 CHANNEL KWK**  
St. Louis, 1,000

**KIDO**  
Boise, 1,000

**WEHC**  
Charlottesville, Va., 500

**CMCR-CMCY**  
150—Havana—500

**JML—San Pedro, Honduras**

**WAWZ-WCOA-WBNX-WMSG**  
Zarphath, N. J.—250—New York

---

**136 CHANNEL WFBL**  
Byroned, N. Y., 1,000

**KGER**  
Long Beach, Cal., 1,000

**WGES-WJKS**  
Chicago, 500; Gary, 1,000

WDC—Vicksburg, Miss. 500  
WCSC—Charleston, S. C. 500  
KGR—Butte, Mont. 500

---

**137 CHANNEL KMAC-KONO**  
San Antonio, 100

**KVL-KFBL**  
Seattle, 100, and Everett, 50

**WBTM-WLVA**  
Danville, Va.—100—Lynchburg

**WJBK-WIBM**  
Detroit, 50; Jackson, 100

**KGFC-KCRC**  
Oklahoma City—100—Erid

---

**138 CHANNEL KOH**  
Reno, Nev., 500

**WKBB-KSO**  
LeCros, 1,000; Croton, Ia., 500

**WSMK-KQV**  
Dayton, O., 200; Pittsburgh, 500

**CMJC-CMCJ**  
Camaguey, Pinar del Rio, Cuba, 10

XETB—Tucson, Mex. 125

---

**139 CHANNEL KUOA-KLRA**  
Fayetteville—1,000—Little Rock

**WHK**  
Cleveland, 1,000

**KOY**  
Pheasant, Ark., 500

**140 CHANNEL WBAA-WCMA-WKBF**  
West Lafayette, Culver and  
Indianapolis, Ind., 500

**CMDB-CMCM-CMCM**  
Havana, 40, 20 and 10

KCCW—Chickadee, Okla. 250  
CMCO—Guantanamo, Cuba 200  
XEP—N. Laredo, Mex. 200  
VOX—St. Johns, Newfoundland

**WBBC-WLTH-WFOX-WCGU**  
Brooklyn, 500

**KLO—Ogden, Utah 500**

---

**141 CHANNEL KGRS-WDAG**  
American, Texas, 1,000

**WHBL-KFLY**  
Shenoygan, Wis.—500—Rochford

**WBCM**  
Bay City, Mich., 500

**WAAB**  
Boston, 1,000

**WODX-WWSA**  
Mobile—500—Montgomery, Ala.

**WHIS-WRWB**  
Bluefield, W. Va.—250—Roanoke

---

**142 CHANNEL KXL-KBPS**  
Portland, 100

**WEHS-WKBI-WHFC**  
Chicago, 100

**KGIV-KIDW**  
Tulsa—100—Lamar, Colo.

KGCC—San Francisco 100  
KQKX—Lewiston, Idaho 100  
WJWG—Americus, Ga. 100  
WJBO—New Orleans, La. 100  
WLFJ—Kansas City, Kan. 100  
WJBC—Detroit, Mich. 100  
WJBB—Joplin, Mo. 100

---

**143 CHANNEL KECA**  
Los Angeles, 1,000

**WNBR**  
Memphis, 500

**KGNF**  
Hart Plains, Neb., 500

**WMP-WBAK-WCAN-WFEA-WNEC-WOKO**  
Harrisburg, Harrisburg, Columbus, O., Manchester, N. H., Rochester and Albany, N. Y. 500

---

**144 CHANNEL WCBA-WSAN**  
Allentown, Pa., 250

**WTAD-WMBD**  
Quincy, Ill.—500—Popeia, Ill.

**CMHJ-CMHI-CMHL**  
Havana, 20, 20 and 20

TIFB—Cartago, Costa Rica 50

**KDFH—Casper, Wyo. 500**

**WBIG—Greensboro, N. C. 500**

**KLS—Oakland, Cal. 250**

**KXYZ—Houston, Tex. 250**

---

**145 CHANNEL KTBS**  
Shreveport, 1,000

**WGAR**  
Cleveland, 500

**WTFI**  
Athens, Ga., 500

**WHOM-WBMS-WNJ**  
Jersey C. Hallstead, N. York, 250

**WSAR—Fall River, Mass. 250**

TIEP—San Jose, Costa Rica. 50

---

**146 CHANNEL WJSV-KSTP**  
ALEXANDRIA, VA., 10,000, and  
ST. PAUL, 10,000

---

**147 CHANNEL KGA**  
Spokane, Wash., 5,000

**WLAC**  
Nashville, Tenn., 5,000

---

**148 CHANNEL WKBW**  
Buffalo, 5,000

**KOMA**  
Oklahoma City, 5,000

---

**149 CHANNEL WCKY**  
Covington, Ky., 5,000

# Division of Stations by Channels

## Cleared Channels: 40; Cleared Channel Stations: 50

ZONE I	ZONE II	ZONE III	ZONE IV	ZONE V
66—WEAF; 71—WOR 76—WJZ; 86—WABC 99—WBZ 106—WTIC-WBAL 110—WPG-WLWL 115—WHAM	70—WLW; 75—WJR 82—WHAS; 98—KDKA 107—WTAM 111—WRVA 116—WWVA 117—WCAU	65—WSM; 74—WSB 80—WBAP-WFAA 85—KWKH-WWL 104—KRDL-KTHS 108—WBT; 119—WOAI 114—WAPI-KVOO	67—WMAQ; 72—WGN 77—WBBM-KFAB 81—WCCO 87—WENR-WLS 100—WHO-WOC 102—KYW; 109—KMOX	64—KFI 68—KPO; 79—KGO 83—KOA 97—KJR; 105—KNX 113—KSL 118—KEX-KOB

The above table shows eight cleared channels in each of the five zones, together with the stations occupying the frequency. The radio act provides for an equal division of the cleared channel facilities among the zones.

## Regional Channels: 44; Regional Channel Stations: 320

All channels not cleared for high power transmission, exclusive of the six local channels and those conceded to Canada by agreement, are used for regional stations. These stations are of much higher power than the local stations, but not in the super-power class of the cleared power stations.

## Local Channels: 6; Local Channel Stations: 231

Following is a list of the six channels set aside for local or limited power broadcasting, together with the stations in each. The list in each channel is complete, including the stations appearing in the Station Finder Chart. All channels are complete on the chart on the preceding page except the local channels which are continued on this page. Channel 100, however, is not a local channel. It is a cleared station in the fourth zone but it is also used by a number of smaller Mexican stations; hence it is continued on a following page.

Call	City	Power	Call	City	Power	Call	City	Power	Call	City	Power																																																																																																																						
<b>CHANNEL 100</b>			<b>CHANNEL 121</b>			<b>CHANNEL 142</b>			<b>CHANNEL 150</b>																																																																																																																								
XEA—Guadalajara, Mex.....100	XEE—Oaxaca, Mex.....105	XEFE—Nuevo Laredo, Mex.100	XEFI—Chihuahua, Mex.....100	XEFS—Queretaro, Mex.....40	XEI—Morelia, Mex.....100	XEJ—C. Jaurez, Mex.....106	XEL—Saltillo, Mex.....10	XETC—Jalapa, Mex.....100	XETG—Torreon, Mex.....100	XEU—Veracruz, Mex.....100	XEV—Puebla, Mex.....100	XEY—Merida, Mex.....105	TITV—San Jose, Costa Rica 8	WRBL—Columbus, Ga.....100	KFXR—Oklahoma City.....100	KFYO—Lubbock, Tex.....100	KGBX—Springfield, Mo.....100	KGCX—Wolf Point, Mont.....100	KGEZ—Kallispell, Mont.....100	KGFV—Kearney, Neb.....100	KIT—Yakima, Wash.....100	KMED—Medford, Ore.....100	KRMD—Shreveport, La.....100	KXRO—Aberdeen, Wash.....100	WBEO—Marquette, Mich.....100	WBOW—Terre Haute, Ind.....100	WBRE—Wilkes-Barre, Pa.....100	WCLS—Joliet, Ill.....100	WEBR—Buffalo, N. Y.....100	WEXL—Royal Oak, Mich.....50	WDFD—Flint, Mich.....100	WGH—Newport News, Va.....100	WIAS—Ottumwa, Iowa.....100	WKAV—Laconia, N. H.....100	WKBC—Birmingham, Ala.....100	WKBS—Galesburg, Ill.....100	WMBO—Auburn, N. Y.....100	WNBH—N. Bedford, Mass.....100	WOL—Washington, D. C.....100	WROL—Knoxville, Tenn.....100	WSAJ—Grove City, Pa.....100	WSJS—Winston-Salem, N.C.100	WTJS—Jackson, Tenn.....100	WTSL—Laurel, Miss.....100	WJEM—Williamsport, Pa.....100	WLEY—Lexington, Mass.....100	WMBR—Tampa, Fla.....100	WPFB—Hattiesburg, Miss.....100	WQDM—St. Albans, Vt.....100	WRAC—Williamsport, Pa.....100	WRAM—Wilmington, N. C.....100	WRDO—Augusta, Maine.....100	WRJN—Racine, Wis.....100	WSVS—Buffalo, N. Y.....50	HRB—Tegucigalpa, Hond.....2300	KABC—San Antonio, Tex.....100	KCMC—Texarkana, Ark.....100	KFIZ—Fond du Lac, Wis.....100	KGFF—Shawnee, Okla.....100	KGIX—Las Vegas, Nev.....100	KICK—Carter Lake, Iowa.....100	KORE—Eugene, Ore.....100	KUMA—Yuma, Ariz.....100	KWCR—Cedar Rapids, Ia.....100	WAGM—Presque Isle, Me.....100	WAMC—Anniston, Ala.....100	WAZL—Hazelton, Pa.....100	WELL—Battle Creek, Mich.....50	WERE—Erle, Pa.....100	WHDL—Tupper Lake, N.Y.....100	WILM—Wilmington, Del.....100	WJMS—Ironwood, Mich.....100	WMAS—Springfield, Mass.....100	WPAD—Paducah, Ky.....100	WSPA—Spartansburg, S. C.....100	WTBO—Cumberland, Md.....100	KGFI—Corpus Christi, Tex.....100	KGFK—Moorhead, Minn.....100	KGIZ—Grant City, Mo.....100	KGKB—Tyler, Tex.....100	KGKY—Scottsbluff, Neb.....100	KPQ—Wenatchee, Wash.....100	KXO—El Centro, Cal.....100	WFDV—Rome, Ga.....100	WHEF—Kosciusko, Miss.....100	WKBV—Connersville, Ind.....100	WLOB—Boston, Mass.....100	WPOI—Bristol, Tenn.....100	WSYB—Rutland, Vt.....100	CMBR—Arroyo Apolo, Cuba 15	CMBQ—Mariano, Cuba.....50	XETZ—Coyoacan, Mex.....100																																					
<b>CHANNEL 120</b>			<b>CHANNEL 131</b>			<b>CHANNEL 137</b>																																																																																																																											
CHCH—Montreal, Que.....100	CJLP—Montreal, Que.....100	CKOV—Kelowna, B. C.....100	KBTM—Paragould, Ark.....100	KERN—Bakersfield, Cal.....100	KFJB—Marshalltown, Iowa 100	KFXD—Nampa, Idaho.....100	KFXJ—Grand Junc'n, Colo. 100	KGDE—Fergus Falls, Minn. 100	KGDY—Huron, S. D.....100	KGfJ—Los Angeles, Cal.....100	KGHI—Little Rock, Ark.....100	KGVO—Missoula, Mont.....100	KMLB—Monroe, La.....100	KVOS—Bellingham, Wash.....100	KWVG—Stockton, Cal.....100	WABI—Bangor, Maine.....100	WBBZ—Ponca City, Okla.....100	WBHS—Huntsville, Ala.....100	WCAT—Rapid City, S. D.....100	WCAX—Burlington, Vt.....100	WCLO—Janesville, Wis.....100	WCOD—Harrisburg, Pa.....100	WFBC—Greenville, S. C.....100	WFBE—Cincinnati, Ohio.....100	WHBC—Canton, Ohio.....10	W4BY—Green Bay, Wis.....100	WIBX—Utica, N. Y.....100	WKJC—Lancaster, Pa.....100	WLAP—Louisville, Ky.....100	WNBO—Silver Haven, Pa.....100	WNBW—Carbondale, Pa.....10	WORC—Worcester, Mass.....100	WPHR—Petersburg, Va.....100	KCRJ—Jerome, Arizona.....100	KFBK—Sacramento, Cal.....100	KFGQ—Boone, Iowa.....100	KFPL—Dublin, Texas.....100	KFPM—Greenville, Texas.....15	CFCO—Chatham, Ont.....250	CFNB—Fredericton, N. B.....50	CKMC—Cobalt, Ont.....100	KASA—Elk City, Okla.....100	KDLR—Devils Lake, N. D.....100	KFJI—Klamath Falls, Ore.....100	KFOR—Lincoln, Neb.....100	KFPW—Fort Smith, Ark.....100	KFVS—Cape Girardeau.....100	KGCR—Watertown, S. D.....100	KGMP—Elk City, Okla.....100	KGNO—Dodge City, Kan.....100	KGy—Olympia, Wash.....100	KIEM—Eureka, Cal.....100	KWEA—Shreveport, La.....100	WALR—Zanesville, Ohio.....100	WBBL—Richmond, Va.....100	WEBQ—Harrisburg, Ill.....100	WFAS—White Plains, N. Y.....100	WGBB—Freeport, N. Y.....100	WGNY—Chester Twp., N. Y.....100	WHBF—Rock Island, Ill.....100	WHBU—Anderson, Ind.....100	WHET—Troy, Ala.....100	WIBU—Poynette, Wis.....100	WJBI—Redbank, N. J.....100	WJBY—Gadsden, Ala.....100	WJEJ—Hagerstown, Md.....100	WJW—Akron, Ohio.....100	WKFI—Greenville, Miss.....100	WLCl—Ithaca, N. Y.....50	WMBG—Richmond, Va.....100	WOCL—Jamestown, N. Y.....50	WOMT—Manitowoc, Wis.....100	WPRO—Providence, R. I.....100	WQDX—Thomasville, Ga.....100	WSEN—Columbus, Ohio.....100	WSIX—Springfield, Tenn.....100	WSOC—Gastonia, N. C.....100	CMGB—Matanzas, Cuba.....8	XEX—Mexico City, Mex.....500	CFXR—Oklahoma City.....100	KFYO—Lubbock, Tex.....100	KGBX—Springfield, Mo.....100	KGCX—Wolf Point, Mont.....100	KGEZ—Kallispell, Mont.....100	KGFV—Kearney, Neb.....100	KIT—Yakima, Wash.....100	KMED—Medford, Ore.....100	KRMD—Shreveport, La.....100	KXRO—Aberdeen, Wash.....100	WBEO—Marquette, Mich.....100	WBOW—Terre Haute, Ind.....100	WBRE—Wilkes-Barre, Pa.....100	WCLS—Joliet, Ill.....100	WEBR—Buffalo, N. Y.....100	WEXL—Royal Oak, Mich.....50	WDFD—Flint, Mich.....100	WGH—Newport News, Va.....100	WIAS—Ottumwa, Iowa.....100	WKAV—Laconia, N. H.....100	WKBC—Birmingham, Ala.....100	WKBS—Galesburg, Ill.....100	WMBO—Auburn, N. Y.....100	WNBH—N. Bedford, Mass.....100	WOL—Washington, D. C.....100	WROL—Knoxville, Tenn.....100	WSAJ—Grove City, Pa.....100	WSJS—Winston-Salem, N.C.100	WTJS—Jackson, Tenn.....100	WTSL—Laurel, Miss.....100	KFJM—Grand Forks, N. D.....100	KFJZ—Fort Worth, Texas.....100	KFLX—Galveston, Tex.....100	KGAR—Tucson, Ariz.....100	KGDA—Mitchell, S. D.....100	KGFL—Roswell, N. M.....100	KGKL—San Angelo, Tex.....100	KICA—Clovis, N. Mex.....100	KOOS—Marshfield, Ore.....100	KRE—Berkeley, Calif.....100	KUJ—Walla Walla, Wash.....100	KWKC—Kansas City, Mo.....100	WCBM—Baltimore, Md.....100	WDAS—Philadelphia, Pa.....100	WGL—Fort Wayne, Ind.....100	WGLC—Hudson Falls, N. Y.....50	WHBD—Mt. Orab, Ohio.....100	WHBQ—Memphis, Tenn.....100	WHDF—Calumet, Mich.....100	WJTL—Atlanta, Ga.....100



# Sectional List of N. A.

The Count in Each State Is Shown; Cities Are Arranged Alphabetically and Stations Numerically by Their Channels

## CANADA (70)

City	Call	Channel	City	Call	Channel
<b>ALBERTA (8)</b>					
Calgary, CFAC		69	Hamilton, CHCS		63
CJ CJ		69	CKOC		63
CFCN		99	CHML		88
Edmonton, CHMA		58	Kingston, CFRC		93
CKUA		58	London, CJGC		91
CJCA		75	North Bay, CFCH		93
Lethbridge, CJOC		112	Ottawa, CNRO		60
Red Deer, CKLC		84	CKCO		89
<b>B. Columbia (11)</b>					
Chilliwack, CHWK		67	Prescott, CFLC		92
Kamloops, CFJC		112	Preston, CKPC		88
Kelowna, CKOV		120	St. Catherines, CKTB		63
Vancouver, CHLS		73	Toronto, CKCL		58
CKCD		73	CFRB		69
CKFC		73	CHNC		84
CKMO		73	CPRV		84
CKWX		73	CKGW		84
CNRV		103	CJBC		84
CJOR		121	CKNC		96
Victoria, CFCT		63	CFCA		112
<b>MANITOBA (3)</b>					
Brandon, CKX		93	Waterloo, CKCR		65
Winnipeg, CJRW		67	Windsor, CKOK		54
CKY		78	<b>P. E. ISLAND (3)</b>		
<b>N. Brunswick (3)</b>					
Fredericton, CFNB		121	Charlottetown, CFCY		58
Moncton, CNRA		63	CHCK		96
St. John, CFBO		89	Summerside, CHGS		112
<b>NOVA SCOTIA (5)</b>					
Glace Bay, VAS		69	<b>QUEBEC (8)</b>		
Halifax, CHNS		82	Montreal, CHYC		73
CNRH		82	CKAC		73
Sydney, CJCB		88	CFCF		103
Wolfville, CKIC		101	CJLP		120
<b>ONTARIO (24)</b>					
Chatham, CFCO		121	CHCH		120
Cobalt, CKMC		121	Quebec, CHRC		65
Fort William, CKPR		89	CKCI		65
<b>COSTA RICA (13)</b>					
Cartago, TIGA		101	CKCV		88
TIFS		144	<b>SASK. (5)</b>		
San Jose, TISO		60	Moose Jaw, CJRM		67
TIXA		61	Regina, CHWC		96
TIGP		67	CKCK		96
TIFB		71	Saskatoon, CFQC		91
TIEA		83	Yorkton, CJGX		63
TIVL		86	<b>NEWFOUNDLAND (5)</b>		
TICR		91	Bell Island, VOGT		89
TITV		100	St. Johns, VOWR		68
TIRC		118	VONA		95
TITR		133	VOBRA		95
TIEP		145	VOX		140
<b>HAITI (1)</b>					
Port au Prince, HHK		92	<b>HONDURAS (2)</b>		
<b>Domin'cn Rep (1)</b>					
Santo Domingo, HIX		67	San Pedro Sulo, JRL		135
<b>Costa Rica</b>					
Costa Rica		13	Tegucigalpa, HRB		137
<b>Haiti</b>					
Haiti		1	<b>SALVADOR (1)</b>		
<b>Newfld</b>					
Newfld		5	Salvador, RUS		66
<b>Honduras</b>					
Honduras		2	<b>Domin'cn Rep (1)</b>		
<b>Salvador</b>					
Salvador		1	<b>ALASKA (2)</b>		
<b>Dom. Rep.</b>					
Dom. Rep.		1	Anchorage, KFQD		123
<b>Alaska</b>					
Alaska		2	Ketchikan, KGBU		90
<b>Hawaii</b>					
Hawaii		2	<b>HAWAII (2)</b>		
<b>Porto Rico</b>					
Porto Rico		1	Honolulu, KGU		75
<b>Total</b>					
Total		801	KGMB		132

U. S.	604
Canada	70
Cuba	55
Mexico	44

# 801 Radio Stations in N. A.

## MEXICO (44)

City	Call	Channel	City	Call	Channel
<b>AGUA CALIENTES (1)</b>					
Aguascalientes, XFC		81	<b>MEXICO (1)</b>		
<b>Baja California (1)</b>					
Tijuana, XEFD		102	Toluca, XEC		133
<b>CHIHUAHUA (4)</b>					
Chihuahua, XFF		92	<b>MICHOACAN (1)</b>		
XEFI		100	Morelia, XEI		100
C. Juarez, XEQ		75	<b>NEUVO LEON (3)</b>		
XEJ		100	Monterrey, XET		69
<b>COAHUILA (4)</b>					
Salttillo, XEL		100	XEH		113
Torreon, XETG		100	XEFB		127
XETB		138	<b>OAXACA (1)</b>		
Villa Acuna, XER		74	Oaxaca, Oax., XEE		100
<b>Distrito Fed. (16)</b>					
Coyoacan, XETZ		150	<b>PUEBLA (1)</b>		
Mexico City, XFG		64	Puebla, XEV		100
XEN		71	<b>TAMAULIPAS (4)</b>		
XEZ		78	Nuevo Laredo, XEFE		100
XFI		82	XEP		140
AFX		86	Reynosa, XED		97
XEW		91	Tampico, XES		89
XEO		94	<b>VERACRUZ (3)</b>		
XEK		99	Jalapa, XETC		100
XEB		103	Veracruz, XETF		63
XEG		108	XEU		100
XETA		114	<b>YUCATAN (2)</b>		
XEX		121	Merida, XEY		100
XETQ		123	XEFC		105
XEFA		125	<b>QUERETARO (1)</b>		
XEM		130	Queretaro, XEFS		100
<b>JALISCO (1)</b>					
Guadalajara, XEA		100	<b>CUBA (55)</b>		

Arroyo Apolo, CMBR	150	Havana, CMBG	107
Caibarien, CMHD	95	CMBW	114
Camaguey, CMJE	86	CMCQ	114
CMJF	93	CMCA	124
CMJL	96	CMBY	124
CMJG	105	CMCU	127
CMJC	138	CMCY	135
Cardenas, CMGE	138	CMCR	135
Ciego de Avila, CMJH	102	CMCM	140
CMJI	126	CMCH	140
Cienfuegos, CMHJ	113	CMDB	140
Colon, CMGA	83	CMBN	144
Guanabacoa, CMCG	140	CMBI	144
Guantanamo, CMKJ	130	CMBL	144
Havana, CMW	59	Marianao, CMCO	66
CMCJ	63	CMDC	66
CMQ	63	CMCN	93
CMK	73	CMCW	127
CMBT	79	CMBQ	150
CMBS	79	Matanzas, CMGC	82
CMC	84	CMGF	99
CMCF	89	CMGH	104
CMX	89	CMBG	121
CMCD	93	Pinar del Rio, CMAB	125
CMBC	97	Santa Clara, CMHI	103
CMBD	97	Santiago de Cuba,	
CMBZ	101	CMKC	103
CMCB	107	Tuinucu, CMHC	79

# Sectional List of N. A.

The Following Three Pages Are a Complete Listing of North American Broadcasting Stations Showing the Number in Each Country

City Call Channel

## ALABAMA (9)

Anniston, WAMC .....142  
 Birmingham, WBRC 93  
 WAPI .....114  
 WKBC .....131  
 Gadsden, WJBY.....121  
 Huntsville, WBHS.....120  
 Mobile, WODX.....141  
 Montgomery, WSFA 141  
 Troy, WHET .....121

## ARIZONA (7)

Jerome, KCRJ.....131  
 Phoenix, KTAR ..... 62  
 KOY .....139  
 Prescott, KPJM.....150  
 Tucson, KVOA.....126  
 KGAR .....137  
 Yuma, KUMA .....142

## ARKANSAS (9)

Blytheville, KLCN...129  
 Fayetteville, KUOA...139  
 Fort Smith, KFPW...121  
 Hot Springs, KTHS...104  
 Little Rock, KARK... 89  
 KGHI .....120  
 KLRA .....139  
 Paragould, KBTM...120  
 Texarkana, KCMC...142

## CALIFORNIA (44)

Bakersfield, KERN...120  
 Berkeley, KRE.....137  
 Beverly Hills, KMPC 71  
 Burbank, KELW..... 78  
 El Centro, KXO.....150  
 Eureka, KIEM .....121  
 Fresno, KMJ .....58  
 Glendale, KIEV .....85  
 Hollywood, KFWB... 95  
 Long Beach, KFOX...125  
 KGER .....136  
 Los Angeles, KMTR.. 57  
 KFI .....64  
 KTM .....78  
 KHJ .....90  
 KFVD .....100  
 KNX .....105  
 KRKD .....112  
 KFSG .....112  
 KGfJ .....120  
 KFAC .....130  
 KGEF .....130  
 KECA .....143  
 Oakland, KLX..... 88  
 KROW .....93  
 KLS .....144  
 Pasadena, KPPC...121  
 Sacramento, KFBK...131  
 S. Bernardino, KFXM.121  
 San Diego, KFSD... 60  
 KGB .....133  
 San Francisco, KTAB 56  
 KFRC .....61  
 KPO .....68  
 KGO .....79  
 KFWI .....93  
 KJBS .....107  
 KYA .....123  
 KGGC .....142  
 San Jose, KQW .....101  
 Santa Ana, KREG...150

City Call Channel

Santa Barbara, KDB 150  
 Stockton, KGDM.....110  
 KWG .....120

## COLORADO (13)

Colorado Spg. KVOR 127  
 Denver, KLZ ..... 56  
 KOA .....83  
 KPOF .....88  
 KFEL .....92  
 KFXX .....92  
 Ft. Morgan, KGEW...120  
 G'nd Junc. KFXJ .....120  
 Greeley, KFKA..... 88  
 Lamar, KIDW .....142  
 Pueblo, KGHF.....132  
 Trinidad, KGIW...142  
 Yuma KGEK.....120

## Connecticut (4)

Bridgeport, WICC..... 60  
 Hartford, WTIC.....106  
 WDRG .....133  
 Storrs, WCAC..... 60

## DELAWARE (2)

Wilmington, WDEL...112  
 WILM .....142

## DIST. of COL. (3)

Washington, WMAL 63  
 WRC .....95  
 WOL .....131

## FLORIDA (9)

Clearwater, WFLA... 62  
 Gainesville, WRUF... 83  
 Jacksonville, WJAX... 90  
 Miami, WQAM ..... 56  
 WIOD .....130  
 Orlando, WDBO...58  
 Pensacola, WCOA...134  
 Tampa, WDAE .....122  
 WMBR .....137

## GEORGIA (11)

Americus, WENC.....142  
 Athens, WTFI.....145  
 Atlanta, WSB ..... 74  
 WGST .....89  
 WJTL .....137  
 Augusta, WRDW .....150  
 Columbus, WRBL...120  
 Macon, WMAZ.....118  
 Rome, WFDV .....150  
 Savannah, WTOG...126  
 Thomasville, WQDX 121

## INDIANA (16)

Anderson, WHBU.....121  
 Connersville, WKBV 150  
 Culver, WCMA.....140  
 Elkhart, WTRC.....131  
 Evansville, WGBF... 63  
 Ft. Wayne, WOWO...116  
 WGL .....137  
 Gary, WJKS .....136  
 Hammond, WVAE...120  
 Indianapolis, WFBM...123  
 WKBF .....140  
 Muncie, WLBC...131  
 South Bend, WFAM...120  
 WSBT .....123  
 Terre Haute, WBOW131  
 W. Lafayette, WBAA140

City Call Channel

## IDAHO (6)

Boise, KIDO .....135  
 Idaho Falls, KID.....132  
 Lewiston, KGKX...142  
 Nampa, KFXD .....120  
 Pocatello, KSEI ..... 89  
 Twin Falls, KTFI .....124

## ILLINOIS (35)

Carthage, WCAZ...107  
 Chicago, WIBO... 56  
 WPCC .....56  
 WMAQ .....67  
 WGN .....72  
 WBBM .....77  
 WENR .....87  
 WLS .....87  
 WAAF .....92  
 WCFL .....97  
 KYW .....102  
 WMBI .....108  
 WCRW .....121  
 WEDC .....121  
 WSBC .....121  
 WGES .....136  
 WHFC .....142  
 WEHS .....142  
 WKBI .....142

Decatur, WJBL...120  
 E. Dubuque, WKBB...150  
 Galesburg, WKBS...131  
 Harrisburg, WEBQ...121  
 Joliet, WCLS .....131  
 LaSalle, WJBC...120  
 Mooseheart, WJJD...113  
 Peoria, WMBD .....144  
 Quincy, WTAD...144  
 Rockford, KFLV...141  
 Rock Island, WHBF...121  
 Springfield, WCBS...121  
 WTAX .....121  
 Tuscola, WDZ.....107  
 Urbana, WILL ..... 89  
 Zion, WCBG...108

## IOWA (17)

Ames, WOI..... 64  
 Boone, KFGQ.....131  
 Carter Lake, KICK...142  
 Cedar Rapids, KWCR142  
 Council Bluffs, KOIL 126  
 Creston, KSO .....138  
 Davenport, WOC.....100  
 Decorah, KGCA...127  
 KWLC .....127  
 Des Moines, WHO...100  
 Iowa City, WSUI... 88  
 Marshalltown, KFJB 120  
 Ottumwa, WIAS...131  
 Shenandoah, KFNF.. 89  
 KMA .....93  
 Sioux City, KSCJ...133  
 Waterloo, WMT..... 60

## KANSAS (9)

Abilene, KFBI .....105  
 Coffeyville, KGGF ...101

City Call Channel

Dodge City, KGNO...121  
 Kansas City, WLBF...142  
 Lawrence, KFKU...122  
 Manhattan, KSAC... 58  
 Tonganoxie, WREN...122  
 Topeka, WIBW..... 58  
 Wichita, KFH.....130

## KENTUCKY (5)

Covington, WCKY...149  
 Hopkinsville, WFIW 94  
 Louisville, WHAS... 82  
 WLAP .....120  
 Paducah, WPAD...142

## LOUISIANA (11)

Monroe, KMLB...120  
 New Orleans, WWL.. 85  
 WABZ .....120  
 WJBW .....120  
 WDSU .....125  
 WSMB .....132  
 WJBO .....142  
 Shreveport, KWKH.. 85  
 KWEA .....121  
 KRMD .....131  
 KTBS .....145

## MAINE (5)

Augusta, WRDO...137  
 Bangor, WLBZ... 62  
 WABI .....120  
 Portland, WCSH... 94  
 Presque Isle, WAGM 142

## MARYLAND (6)

Baltimore, WCAO... 60  
 WBAL .....106  
 WFBR .....127  
 WCBM .....137  
 Cumberland, WTBO...142  
 Hagerstown, WJEJ...121

## MASS. (14)

Boston, WEEI..... 59  
 WHDH .....83  
 WBZA .....99  
 WBZ .....99  
 WNAC .....123  
 WAAB .....141  
 WLOE .....150  
 Fall River, WSAR...145  
 Lexington, WLEY...137  
 Needham, WBSO... 92  
 New Bedford, WNBH131  
 Springfield, WMAS...142  
 Worcester, WTAG... 58  
 WORC .....120

## MINNESOTA (9)

Fergus Falls, KGDE...120  
 Minneapolis, WCCO.. 81  
 WDGY .....118  
 WLB .....125  
 WRHM .....125  
 Moorhead, KGFK...150  
 Northfield, KFMX...125  
 WCAL .....125  
 St. Paul, KSTP...146

City Call Channel

## MICHIGAN (19)

Battle Creek, WELL 142  
 Bay City, WBCM...141  
 Calumet, WHDF...137  
 Detroit, WJR..... 75  
 WWJ .....92  
 WXYZ .....124  
 WJBK .....137  
 WMBC .....142  
 E. Lansing, WKAR...104  
 Flint, WFDF...131  
 G'nd Rapids, WASH...127  
 WOOD .....127  
 Ironwood, WJMS...142  
 Jackson, WIBM...137  
 Kalamazoo, WKZO... 59  
 Lapeer, WMPC...150  
 Ludington, WKBZ...150  
 Marquette, WBEO...131  
 Royal Oak, WEXL...131

## MISSISSIPPI (8)

Greenville, WKFI...121  
 Hattiesburg, WPFB...137  
 Jackson, WJDX...127  
 Kosciusko, WHEF...150  
 Laurel, WTSL...131  
 Meridian, WCOC... 88  
 Miss. City, WGCM... 59  
 Vicksburg, WQBC...136

## MISSOURI (19)

Cape Girird'u, KFVS...121  
 Clayton, KFUD... 55  
 Columbia, KFRU... 63  
 Grant City, KGIZ...150  
 Jefferson City, WOS. 63  
 Joplin, WMBH...142  
 Kansas City, WDAF 61  
 WHB .....86  
 KMBC .....95  
 WOQ .....130  
 KWKC .....137  
 St. Joseph, KFEQ... 68  
 St. Louis, KSD..... 55  
 WEW .....76  
 KMOX .....109  
 KFWF .....120  
 WIL .....120  
 KWK .....135  
 Springfield, KGBX...131

## MONTANA (6)

Billings, KGHL... 95  
 Butte, KGIR...136  
 Great Falls, KFBB...128  
 Kalispell, KGEZ...131  
 Missoula, KGVO...120  
 Wolf Point, KGCK...131

## NEBRASKA (11)

Clay Center, KMMJ.. 74  
 Kearney, KGFV...131  
 Lincoln, WCAJ... 59  
 KFAB .....77  
 KFOR .....121  
 Norfolk, WJAG...106  
 No. Platte, KGNF...143  
 Omaha, WOW..... 59  
 WAAW .....66  
 Scottsbluff, KGKY...150  
 York, KGBZ..... 93

# Sectional List of N. A.

The Channel Number of Each Station Is Indicated and They Are Listed by Countries and Segregated by States and Provinces

City	Call	Channel	City	Call	Channel	City	Call	Channel	City	Call	Channel	City	Call	Channel			
<b>New Jersey (14)</b>			<b>N. Hampshire (3)</b>			<b>OREGON (13)</b>			<b>SO. DAKOTA (9)</b>			<b>VIRGINIA (12)</b>					
Asbury Park, WCAP		128	Laconia, WKAV		131	Corvallis, KOAC		55	Brookings, KFDY		55	Alexandria, WJSV		146			
Atlantic City, WPG		110	Manchester, WFEA		143	Eugene, KORE		142	Huron, KGDY		120	Charl'tesv'le, WEHC		135			
Camder, WCAM		128	Portsmouth, WHEB		74	Klamath Falls, KFJI		121	Mitchell, KGDA		137	Danville, WBTM		137			
Hackensack, WBMS		145	<b>NEW MEXICO (4)</b>			Marshfield, KOOS		137	Pierre, KGFX		63	Lynchburg, WLVA		137			
Jersey City, WAAT		94	Albuquerque, KOB		118	Medford, KMED		131	Rapid City, WCAT		120	Newport News, WGH		131			
WHOM		145	KGGM		123	Portland, KGW		62	Sioux Falls, KSOO		111	Norfolk, WTAR		78			
Newark, WOR		71	Clovis, KICA		137	KOIN		94	Vermillion, KUSD		89	Petersburg, WPHR		120			
WAAM		125	Roswell, KGFL		137	KWJJ		106	Watertown, KGCR		121	Richmond, WRVA		111			
WGCP		125	<b>NEVADA (2)</b>			KEX		118	Yankton, WNAX		57	WBBL		121			
WNJ		145	Las Vegas, KGIX		142	KFJR		130									
Paterson, WODA		125	Reno, KOH		138	KALE		130	<b>TENNESSEE (12)</b>								
Redbank, WJBI		121	<b>No. Carolina (7)</b>			KBPS		142	Bristol, WOPI		150	<b>UTAH (3)</b>					
Trenton, WOAX		128	Asheville, WWNC		57	KXL		142	Chattanooga, WDOD		128	Ogden, KLO		140			
Zarephath, WAWZ		135	Charlotte, WBT		108	<b>PENNA. (41)</b>			Jackson, WTJS		131	Salt Lake City, KSL		113			
						Allentown, WCBA		144	Knoxville, WNOX		56	KDYL		129			
						WSAN		144	WROL		131	<b>Washington (22)</b>					
						Altoona, WFBG		131	Memphis, WREC		60	Aberdeen, KXRO		131			
						Carbondale, WNBW		120	WMC		78	Bellingham, KVOS		120			
						Erie, WLBW		126	WHBQ		137	Everett, KFBL		137			
						WERE		142	WNBR		143	Olympia, KGY		121			
						Glenside, WIBG		93	Nashville, WSM		65	Pullman, KWSC		122			
						Grove City, WSAJ		131	WLAC		147	Seattle, KPCB		65			
						Harrisburg, WCOD		120	Springfield, WSIX		121	KXA		76			
						WBAK		143	<b>TEXAS (33)</b>								
						WHP		143	Amarillo, KGRS		141	KOMO		92			
						<b>NO. DAKOTA (6)</b>			Wdag		141	KJR		97			
						Bismarck, KFJR		55	Austin, KNOW		150	KRSC		112			
						Devils Lake, KDLR		121	Beaumont, KFDM		56	KTW		122			
						Fargo, WDAY		94	Brownsville, KWWG		126	KOL		127			
						Grand Forks, KFJM		137	College Sta., WTAW		112	KVL		137			
						Mandan, KGCU		124	Corpus Christi, KGFI		150	Spokane, KHQ		99			
						Minot, KLPM		124	Dallas, WFAA		80	KFIO		112			
						<b>OHIO (20)</b>			KRLD		104	KFPY		126			
						Akron, WJW		121	WRR		128	KGA		147			
						Canton, WHBC		120	Dublin, KFPL		131	Tacoma, KVI		57			
						Cincinnati, WKRC		55	El Paso, KTSM		131	KMO		133			
						WLW		70	WDAH		131	Walla Walla, KUJ		137			
						WFBE		120	Fort Worth, WBAP		80	Wenatchee, KPQ		150			
						WSAI		133	KTAT		124	Yakima, KIT		131			
						Cleveland, WJAY		61	KFJZ		137	<b>W. VIRGINIA (5)</b>					
						WTAM		107	Galveston, KFUL		129	Bluefield, WHIS		141			
						WHK		139	KFLX		137	Charleston, WOB		58			
						WGAR		145	Greenville, KFPM		131	Fairmont, WMMN		89			
						Columbus, WEAO		57	Harlingen, KRGV		126	Huntington, WSAZ		58			
						WAU		64	Houston, KPRC		92	Wheeling, WWVA		116			
						WSEN		121	KTRH		112	<b>WISCONSIN (16)</b>					
						WCAH		143	KXYZ		144	Eau Claire, WTAQ		133			
						Dayton, WSMK		138	Lubbock, KFYO		131	Fond du Lac, KFIZ		142			
						Mt. Orab, WHBD		137	San Angelo, KGKL		137	Green Bay, WBY		120			
						Tallmadge, WADC		132	San Antonio, WOAI		119	Janesville, WCLO		120			
						Toledo, WSPD		134	KTSA		129	LaCrosse, WKBH		138			
						Youngstown, WKBN		57	KMAC		137	Madison, WHA		94			
						Zanesville, WALR		121	KONO		137	WIBA		128			
						<b>OKLAHOMA (12)</b>			KABC		142	Manitowoc, WOMT		121			
						Chickasha, KOCW		140	Tyler, KGKB		150	Milwaukee, WTMJ		62			
						Elk City, KGMP		121	Waco, WACO		124	WHAD		112			
						KASA		121	Wichita Falls, KGKO		57	WISN		112			
						Enid, KCRC		137	<b>VERMONT (5)</b>								
						Norman, WNAD		101	Burlington, WCAX		120	Poynette, WIBU		121			
						Oklahoma City, WKY		90	Rutland, WSYB		150	Racine, WRJN		137			
						KFXR		131	Springfield, WNBX		126	Sheboygan, WHBL		141			
						KGFG		137	St. Albans, WQDM		137	Stevens Pt., WLBL		90			
						KOMA		148	Waterburg, WDEV		55	Superior, WEBC		129			
						Ponca City, WBBZ		120	<b>WYOMING (1)</b>								
						Shawnee, KGFF		142	Casper, KDFN		144						
						Tulsa, KVOO		114									

# North America Stations

<p><b>A</b></p> <ul style="list-style-type: none"> <li>Aberdeen, Wash.                     <ul style="list-style-type: none"> <li>KXRO .....(100) 131</li> </ul> </li> <li>Abilene, Texas                     <ul style="list-style-type: none"> <li>KFBI .....(5,000) 105</li> </ul> </li> <li>Akron, Ohio                     <ul style="list-style-type: none"> <li>WJW .....(100) 121</li> <li>Agascalientes, Agu., Mex.                             <ul style="list-style-type: none"> <li>XFC .....(350) 81</li> </ul> </li> <li>Albany, N. Y.                             <ul style="list-style-type: none"> <li>WOKO .....(500) 143</li> </ul> </li> <li>Albuquerque, N. M.                             <ul style="list-style-type: none"> <li>KOB .....(10,000) 118</li> <li>KGGM .....(250) 123</li> </ul> </li> <li>Alexandria, Va.                             <ul style="list-style-type: none"> <li>WJSV .....(10,000) 148</li> </ul> </li> <li>Allentown, Pa.                             <ul style="list-style-type: none"> <li>WCBA .....(250) 144</li> <li>WSAN .....(250) 144</li> </ul> </li> <li>Alltoona, Pa.                             <ul style="list-style-type: none"> <li>WFBG .....(100) 131</li> </ul> </li> <li>Amarillo, Texas                             <ul style="list-style-type: none"> <li>KGRS .....(1,000) 141</li> <li>WDAG .....(1,000) 141</li> </ul> </li> <li>Americus, Ga.                             <ul style="list-style-type: none"> <li>WENC .....(100) 142</li> </ul> </li> <li>Ames, Iowa                             <ul style="list-style-type: none"> <li>WOI .....(5,000) 64</li> </ul> </li> <li>Anchorage, Alaska                             <ul style="list-style-type: none"> <li>KFQO .....(250) 123</li> </ul> </li> <li>Anderson, Ind.                             <ul style="list-style-type: none"> <li>WHBU .....(100) 121</li> </ul> </li> <li>Anniston, Ala.                             <ul style="list-style-type: none"> <li>WAMC .....(100) 142</li> </ul> </li> <li>Arroyo Apelo, Cuba                             <ul style="list-style-type: none"> <li>CMBR .....(15) 150</li> </ul> </li> <li>Asbury Park, N. J.                             <ul style="list-style-type: none"> <li>WCAP .....(500) 126</li> </ul> </li> <li>Ashville, N. C.                             <ul style="list-style-type: none"> <li>WWNC .....(1,000) 57</li> </ul> </li> <li>Athens, Ga.                             <ul style="list-style-type: none"> <li>WTFI .....(500) 143</li> </ul> </li> <li>Atlanta, Ga.                             <ul style="list-style-type: none"> <li>WSB .....(50,000) 74</li> <li>WGST .....(250) 89</li> <li>WJTL .....(100) 137</li> </ul> </li> <li>Atlantic City, N. J.                             <ul style="list-style-type: none"> <li>WPG .....(5,000) 110</li> </ul> </li> <li>Auburn, N. Y.                             <ul style="list-style-type: none"> <li>WMBD .....(100) 131</li> </ul> </li> <li>Augusta, Ga.                             <ul style="list-style-type: none"> <li>WRDW .....(100) 150</li> </ul> </li> <li>Augusta, Me.                             <ul style="list-style-type: none"> <li>WRDO .....(100) 137</li> </ul> </li> <li>Austin, Texas                             <ul style="list-style-type: none"> <li>KNOW .....(100) 150</li> </ul> </li> </ul> </li></ul>	<p>Bridgeport, Conn.                     <ul style="list-style-type: none"> <li>WICC .....(250) 60</li> </ul> </p> <p>Bristol, Tenn.                     <ul style="list-style-type: none"> <li>WOPI .....(100) 150</li> </ul> </p> <p>Brookings, S. D.                     <ul style="list-style-type: none"> <li>KFDY .....(1,000) 55</li> </ul> </p> <p>Brooklyn, N. Y.                     <ul style="list-style-type: none"> <li>WBBC .....(500) 140</li> <li>WCGU .....(500) 140</li> <li>WFOX .....(500) 140</li> <li>WLTH .....(500) 140</li> <li>WMBQ .....(100) 150</li> <li>WMIL .....(100) 150</li> </ul> </p> <p>Brownsville, Texas                     <ul style="list-style-type: none"> <li>KWWG .....(500) 128</li> </ul> </p> <p>Buffalo, N. Y.                     <ul style="list-style-type: none"> <li>WGR .....(1,000) 55</li> <li>WBEN .....(1,000) 90</li> <li>WEBR .....(100) 131</li> <li>WYSV .....(50) 137</li> <li>WKBW .....(5,000) 148</li> </ul> </p> <p>Burbank, Cal.                     <ul style="list-style-type: none"> <li>KELW .....(500) 78</li> </ul> </p> <p>Burlington, Vt.                     <ul style="list-style-type: none"> <li>WCAX .....(100) 120</li> </ul> </p> <p>Butte, Mont.                     <ul style="list-style-type: none"> <li>KGIR .....(500) 136</li> </ul> </p>	<p><b>B</b></p> <ul style="list-style-type: none"> <li>Bakersfield, Cal.                     <ul style="list-style-type: none"> <li>KERN .....(100) 120</li> </ul> </li> <li>Baltimore, Md.                     <ul style="list-style-type: none"> <li>WCAO .....(250) 60</li> <li>WBAL .....(10,000) 106</li> <li>WFBR .....(500) 127</li> <li>WCBM .....(100) 137</li> </ul> </li> <li>Bangor, Me.                     <ul style="list-style-type: none"> <li>WLZ .....(500) 62</li> <li>WABI .....(100) 120</li> </ul> </li> <li>Battle Creek, Mich.                     <ul style="list-style-type: none"> <li>WELL .....(50) 142</li> </ul> </li> <li>Bay City, Mich.                     <ul style="list-style-type: none"> <li>WBCM .....(500) 141</li> </ul> </li> <li>Beaumont, Texas                     <ul style="list-style-type: none"> <li>KFDM .....(500) 56</li> </ul> </li> <li>Bellingham, Wash.                     <ul style="list-style-type: none"> <li>KVOS .....(100) 120</li> </ul> </li> <li>Bell Island, N. F.                     <ul style="list-style-type: none"> <li>VDGT .....( ) 89</li> </ul> </li> <li>Berkeley, Cal.                     <ul style="list-style-type: none"> <li>KRE .....(100) 137</li> </ul> </li> <li>Beverly Hills, Cal.                     <ul style="list-style-type: none"> <li>KMPC .....(500) 71</li> </ul> </li> <li>Billings, Mont.                     <ul style="list-style-type: none"> <li>KGHL .....(1,000) 95</li> </ul> </li> <li>Binghamton, N. Y.                     <ul style="list-style-type: none"> <li>WNBF .....(100) 150</li> </ul> </li> <li>Birmingham, Ala.                     <ul style="list-style-type: none"> <li>WBRC .....(500) 93</li> <li>WAPI .....(25,000) 114</li> <li>WKBC .....(100) 131</li> </ul> </li> <li>Bismarck, N. D.                     <ul style="list-style-type: none"> <li>KFYR .....(1,000) 55</li> </ul> </li> <li>Bluefield, W. Va.                     <ul style="list-style-type: none"> <li>WHIS .....(250) 141</li> </ul> </li> <li>Blytheville, Ark.                     <ul style="list-style-type: none"> <li>KLCN .....(50) 129</li> </ul> </li> <li>Boise, Idaho                     <ul style="list-style-type: none"> <li>KIDD .....(1,000) 135</li> </ul> </li> <li>Boone, Iowa                     <ul style="list-style-type: none"> <li>KFGQ .....(100) 131</li> </ul> </li> <li>Boston, Mass.                     <ul style="list-style-type: none"> <li>WEEI .....(1,000) 59</li> <li>WHDH .....(1,000) 83</li> <li>WBZ .....(25,000) 99</li> <li>WBZA .....(1,000) 99</li> <li>WNAC .....(1,000) 123</li> <li>WAAB .....(1,000) 141</li> <li>WLOE .....(100) 150</li> </ul> </li> <li>Braddon, Man.                     <ul style="list-style-type: none"> <li>CKX .....(500) 93</li> </ul> </li> </ul>	<p><b>C</b></p> <ul style="list-style-type: none"> <li>Calbarien, Cuba                     <ul style="list-style-type: none"> <li>CMHD .....(250) 95</li> </ul> </li> <li>Calgary, Alta.                     <ul style="list-style-type: none"> <li>CFAC .....(500) 89</li> <li>CJCF .....(500) 89</li> <li>CFCN .....(10,000) 99</li> </ul> </li> <li>Calumet, Mich.                     <ul style="list-style-type: none"> <li>WHDF .....(100) 137</li> </ul> </li> <li>Camaguey, Cuba                     <ul style="list-style-type: none"> <li>CMJE .....(20) 86</li> <li>CMJF .....(225) 93</li> <li>CMJL .....(50) 96</li> <li>CMJG .....(50) 105</li> <li>CMJC .....(75) 138</li> </ul> </li> <li>Camden, N. J.                     <ul style="list-style-type: none"> <li>WCAM .....(500) 128</li> </ul> </li> <li>Canton, N. Y.                     <ul style="list-style-type: none"> <li>WCAD .....(500) 122</li> </ul> </li> <li>Canton, Ohio                     <ul style="list-style-type: none"> <li>WHBC .....(10) 120</li> </ul> </li> <li>Cape Girardeau, Me.                     <ul style="list-style-type: none"> <li>KFVS .....(100) 121</li> </ul> </li> <li>Carbondale, Pa.                     <ul style="list-style-type: none"> <li>WNWB .....(10) 120</li> </ul> </li> <li>Cardenas, Cuba                     <ul style="list-style-type: none"> <li>CMGE .....(30) 138</li> </ul> </li> <li>Jarlor Lake, Iowa                     <ul style="list-style-type: none"> <li>KICK .....(100) 142</li> </ul> </li> <li>Cartago, Costa Rica                     <ul style="list-style-type: none"> <li>TIGA .....(30) 101</li> <li>TIFS .....(8) 144</li> </ul> </li> <li>Carthage, Ill.                     <ul style="list-style-type: none"> <li>WCAZ .....(50) 187</li> </ul> </li> <li>Casper, Wyo.                     <ul style="list-style-type: none"> <li>KDFN .....(500) 144</li> </ul> </li> <li>Cedar Rapids, Iowa                     <ul style="list-style-type: none"> <li>WKCR .....(100) 142</li> </ul> </li> <li>Charleston, S. C.                     <ul style="list-style-type: none"> <li>WCSC .....(500) 136</li> </ul> </li> <li>Charleston, W. Va.                     <ul style="list-style-type: none"> <li>WOBV .....(250) 58</li> </ul> </li> <li>Charlotte, N. C.                     <ul style="list-style-type: none"> <li>WBTV .....(25,000) 108</li> </ul> </li> <li>Charlottesville, Va.                     <ul style="list-style-type: none"> <li>WEHC .....(500) 135</li> </ul> </li> <li>Charlottetown, P. E. I.                     <ul style="list-style-type: none"> <li>CFCY .....(500) 58</li> <li>CHCK .....(100) 96</li> </ul> </li> <li>Chatham, Ont.                     <ul style="list-style-type: none"> <li>CFCO .....(250) 121</li> </ul> </li> <li>Chattanooga, Tenn.                     <ul style="list-style-type: none"> <li>WDDO .....(1,000) 128</li> </ul> </li> <li>Chester Township, N. Y.                     <ul style="list-style-type: none"> <li>WGNV .....(50) 121</li> </ul> </li> <li>Chicago, Ill.                     <ul style="list-style-type: none"> <li>WIBO .....(1,000) 56</li> <li>WPCC .....(500) 56</li> <li>WMAQ .....(5,000) 87</li> <li>WGN .....(25,000) 72</li> <li>WBBM .....(25,000) 77</li> <li>WENR .....(50,000) 87</li> <li>WLS .....(50,000) 87</li> <li>WAAF .....(500) 92</li> <li>WCFL .....(5,000) 97</li> <li>KYW .....(10,000) 102</li> <li>WMBI .....(5,000) 108</li> <li>WCRR .....(100) 121</li> <li>WEOC .....(100) 121</li> <li>WIBC .....(100) 121</li> <li>WGES .....(500) 136</li> <li>WEHS .....(100) 142</li> <li>WHFC .....(100) 142</li> <li>WKBI .....(100) 142</li> </ul> </li> <li>Chickasha, Okla.                     <ul style="list-style-type: none"> <li>KOCW .....(250) 148</li> </ul> </li> <li>Chihuahua, Chih., Mex.                     <ul style="list-style-type: none"> <li>XFF .....(500) 82</li> <li>XEFI .....(100) 100</li> </ul> </li> <li>Chilliwack, B. C.                     <ul style="list-style-type: none"> <li>CHWK .....(100) 67</li> </ul> </li> </ul>	<p><b>C</b></p> <ul style="list-style-type: none"> <li>Ciego de Avila, Cuba                     <ul style="list-style-type: none"> <li>CMJH .....(15) 102</li> <li>CMJI .....(5) 126</li> </ul> </li> <li>Cienfuegos, Cuba                     <ul style="list-style-type: none"> <li>CMHJ .....(40) 113</li> </ul> </li> <li>Cincinnati, Ohio                     <ul style="list-style-type: none"> <li>WKRC .....(500) 55</li> <li>WLW .....(50,000) 70</li> <li>WFBE .....(100) 120</li> <li>WSAI .....(500) 133</li> </ul> </li> <li>Ciudad Juarez, Chih., Mex.                     <ul style="list-style-type: none"> <li>XEQ .....(5,000) 75</li> <li>XEJ .....(100) 100</li> </ul> </li> <li>Clay Center, Neb.                     <ul style="list-style-type: none"> <li>KMMJ .....(1,000) 74</li> </ul> </li> <li>Clayton, Mo.                     <ul style="list-style-type: none"> <li>KFUO .....(500) 55</li> </ul> </li> <li>Clearwater, Fla.                     <ul style="list-style-type: none"> <li>WFLA .....(1,000) 62</li> </ul> </li> <li>Cleveland, Ohio                     <ul style="list-style-type: none"> <li>WJAY .....(500) 61</li> <li>WTAM .....(50,000) 107</li> <li>WHK .....(1,000) 139</li> <li>WGAR .....(500) 145</li> </ul> </li> <li>Clovis, N. M.                     <ul style="list-style-type: none"> <li>KICA .....(100) 137</li> </ul> </li> <li>Cobalt, Ontario                     <ul style="list-style-type: none"> <li>CKMC .....(100) 121</li> </ul> </li> <li>Coffeyville, Kansas                     <ul style="list-style-type: none"> <li>KGGF .....(500) 101</li> </ul> </li> <li>College Station, Texas                     <ul style="list-style-type: none"> <li>WTAW .....(500) 112</li> </ul> </li> <li>Colon, Cuba                     <ul style="list-style-type: none"> <li>CMGA .....(100) 83</li> </ul> </li> <li>Colorado Springs, Colo.                     <ul style="list-style-type: none"> <li>KVOR .....(1,000) 127</li> </ul> </li> <li>Columbia, Mo.                     <ul style="list-style-type: none"> <li>KFRU .....(500) 63</li> </ul> </li> <li>Columbia, S. C.                     <ul style="list-style-type: none"> <li>WIS .....(500) 101</li> </ul> </li> <li>Columbus, Ga.                     <ul style="list-style-type: none"> <li>WRBL .....(100) 120</li> </ul> </li> <li>Columbus, Ohio                     <ul style="list-style-type: none"> <li>WEAO .....(1,000) 57</li> <li>WAIU .....(500) 64</li> <li>WSEN .....(100) 121</li> <li>WSEN .....(500) 143</li> </ul> </li> <li>Connersville, Ind.                     <ul style="list-style-type: none"> <li>WKBV .....(100) 150</li> </ul> </li> <li>Corpus Christi, Texas                     <ul style="list-style-type: none"> <li>KGFI .....(100) 150</li> </ul> </li> <li>Covilla, Ore.                     <ul style="list-style-type: none"> <li>KOAC .....(1,000) 55</li> </ul> </li> <li>Council Bluffs, Iowa                     <ul style="list-style-type: none"> <li>KDIL .....(1,000) 128</li> </ul> </li> <li>Cevington, Ky.                     <ul style="list-style-type: none"> <li>WCKY .....(5,000) 149</li> </ul> </li> <li>Coyocacan, D. F., Mex.                     <ul style="list-style-type: none"> <li>XETZ .....(100) 150</li> </ul> </li> <li>Creston, Iowa                     <ul style="list-style-type: none"> <li>KSO .....(500) 138</li> </ul> </li> <li>Culver, Ind.                     <ul style="list-style-type: none"> <li>WCMA .....(500) 140</li> </ul> </li> <li>Cumberland, Md.                     <ul style="list-style-type: none"> <li>WTBO .....(100) 142</li> </ul> </li> </ul>	<p><b>D</b></p> <ul style="list-style-type: none"> <li>Dallas, Texas                     <ul style="list-style-type: none"> <li>WFAA .....(50,000) 80</li> <li>KRLD .....(10,000) 104</li> <li>WRR .....(500) 128</li> </ul> </li> <li>Danville, Va.                     <ul style="list-style-type: none"> <li>WBTM .....(100) 137</li> </ul> </li> <li>Davenport, Iowa                     <ul style="list-style-type: none"> <li>WOC .....(5,000) 100</li> </ul> </li> <li>Dayton, Ohio                     <ul style="list-style-type: none"> <li>WSMK .....(200) 138</li> </ul> </li> <li>Decatur, Ill.                     <ul style="list-style-type: none"> <li>WJBL .....(100) 120</li> </ul> </li> <li>Decorah, Iowa                     <ul style="list-style-type: none"> <li>KGCA .....(100) 127</li> <li>KWLK .....(100) 127</li> </ul> </li> <li>Denver, Colo.                     <ul style="list-style-type: none"> <li>KLZ .....(1,000) 56</li> <li>KOA .....(50,000) 83</li> <li>KPOF .....(500) 88</li> <li>KFEL .....(500) 92</li> <li>KFXF .....(500) 92</li> </ul> </li> <li>Des Moines, Iowa                     <ul style="list-style-type: none"> <li>WHO .....(50,000) 100</li> </ul> </li> <li>Detroit, Mich.                     <ul style="list-style-type: none"> <li>WJR .....(10,000) 75</li> <li>WJL .....(1,000) 92</li> <li>WXYZ .....(1,000) 124</li> <li>WJKB .....(50) 137</li> <li>WMBC .....(100) 142</li> </ul> </li> <li>Devils Lake, N. D.                     <ul style="list-style-type: none"> <li>KDLR .....(100) 121</li> </ul> </li> <li>Oodge City, Kan.                     <ul style="list-style-type: none"> <li>KGNO .....(100) 121</li> </ul> </li> <li>Dublin, Texas                     <ul style="list-style-type: none"> <li>KFPL .....(100) 131</li> </ul> </li> </ul>	<p><b>E</b></p> <ul style="list-style-type: none"> <li>East Dubuque, Ill.                     <ul style="list-style-type: none"> <li>WKBB .....(100) 150</li> </ul> </li> <li>East Lansing, Mich.                     <ul style="list-style-type: none"> <li>WKAR .....(1,000) 104</li> </ul> </li> <li>Eau Claire, Wis.                     <ul style="list-style-type: none"> <li>WTAQ .....(1,000) 133</li> </ul> </li> <li>Edmonton, Alta.                     <ul style="list-style-type: none"> <li>CKUA .....(500) 58</li> <li>CHMA .....(250) 58</li> <li>CJCA .....(500) 75</li> </ul> </li> </ul>	<p><b>E</b></p> <ul style="list-style-type: none"> <li>El Centro, Cal.                     <ul style="list-style-type: none"> <li>KXO .....(100) 150</li> </ul> </li> <li>Elk City, Okla.                     <ul style="list-style-type: none"> <li>KASA .....(100) 121</li> <li>KGMP .....(100) 121</li> </ul> </li> <li>Elkhart, Ind.                     <ul style="list-style-type: none"> <li>WTRC .....(50) 131</li> </ul> </li> <li>Elmira, N. Y.                     <ul style="list-style-type: none"> <li>WESG .....(1,000) 104</li> </ul> </li> <li>El Paso, Texas                     <ul style="list-style-type: none"> <li>KTSM .....(100) 131</li> <li>WDAH .....(100) 131</li> </ul> </li> <li>Enid, Okla.                     <ul style="list-style-type: none"> <li>KCRC .....(100) 137</li> </ul> </li> <li>Erie, Pa.                     <ul style="list-style-type: none"> <li>WLBW .....(500) 128</li> <li>WERE .....(100) 142</li> </ul> </li> <li>Eugene, Ore.                     <ul style="list-style-type: none"> <li>KORE .....(100) 142</li> </ul> </li> <li>Eureka, Calif.                     <ul style="list-style-type: none"> <li>KIEM .....(100) 121</li> </ul> </li> <li>Evansville, Ind.                     <ul style="list-style-type: none"> <li>WGBF .....(500) 63</li> </ul> </li> <li>Everett, Wash.                     <ul style="list-style-type: none"> <li>KFBL .....(50) 137</li> </ul> </li> </ul>	<p><b>F</b></p> <ul style="list-style-type: none"> <li>Fairmont, W. Va.                     <ul style="list-style-type: none"> <li>WMNN .....(250) 89</li> </ul> </li> <li>Fall River, Mass.                     <ul style="list-style-type: none"> <li>WSAR .....(250) 145</li> </ul> </li> <li>Fargo, N. D.                     <ul style="list-style-type: none"> <li>WDAY .....(1,000) 94</li> </ul> </li> <li>Fayetteville, Ark.                     <ul style="list-style-type: none"> <li>KUOA .....(1,000) 139</li> </ul> </li> <li>Fergus Falls, Minn.                     <ul style="list-style-type: none"> <li>KGDE .....(100) 120</li> </ul> </li> <li>Flint, Mich.                     <ul style="list-style-type: none"> <li>WFDF .....(100) 131</li> </ul> </li> <li>Fond du Lac, Wis.                     <ul style="list-style-type: none"> <li>KFIZ .....(100) 142</li> </ul> </li> <li>Fort Morgan, Colo.                     <ul style="list-style-type: none"> <li>KGWE .....(100) 120</li> </ul> </li> <li>Fort Smith, Ark.                     <ul style="list-style-type: none"> <li>KFPW .....(100) 121</li> </ul> </li> <li>Fort Wayne, Ind.                     <ul style="list-style-type: none"> <li>WGL .....(100) 137</li> <li>WOWO .....(10,000) 116</li> </ul> </li> <li>Fort William, Ontario                     <ul style="list-style-type: none"> <li>CKPR .....(100) 89</li> </ul> </li> <li>Fort Worth, Texas                     <ul style="list-style-type: none"> <li>WBAP .....(50,000) 80</li> <li>KTAT .....(1,000) 124</li> <li>KFJZ .....(100) 137</li> </ul> </li> <li>Frederickton, New Brun.                     <ul style="list-style-type: none"> <li>CFNB .....(50) 121</li> </ul> </li> <li>Freeport, N. Y.                     <ul style="list-style-type: none"> <li>WGBB .....(100) 121</li> </ul> </li> <li>Fresno, Cal.                     <ul style="list-style-type: none"> <li>KMJ .....(500) 58</li> </ul> </li> </ul>	<p><b>G</b></p> <ul style="list-style-type: none"> <li>Gadsden, Ala.                     <ul style="list-style-type: none"> <li>WBYB .....(100) 121</li> </ul> </li> <li>Gainesville, Fla.                     <ul style="list-style-type: none"> <li>WRUF .....(5,000) 83</li> </ul> </li> <li>Galesburg, Ill.                     <ul style="list-style-type: none"> <li>WKBS .....(100) 131</li> </ul> </li> <li>Galveston, Texas                     <ul style="list-style-type: none"> <li>KFUL .....(500) 129</li> <li>KFLX .....(100) 137</li> </ul> </li> <li>Gary, Ind.                     <ul style="list-style-type: none"> <li>WJKS .....(1,000) 136</li> </ul> </li> <li>Gastonia, N. C.                     <ul style="list-style-type: none"> <li>WSOC .....(100) 121</li> </ul> </li> <li>Glac Bay, Nova Scotia                     <ul style="list-style-type: none"> <li>VAS .....(2,000) 69</li> </ul> </li> <li>Glendale, Calif.                     <ul style="list-style-type: none"> <li>KIEV .....(100) 85</li> </ul> </li> <li>Glenside, Pa.                     <ul style="list-style-type: none"> <li>WIBG .....(100) 93</li> </ul> </li> <li>Grand Forks, N. D.                     <ul style="list-style-type: none"> <li>KFJM .....(100) 137</li> </ul> </li> <li>Grand Junction, Colo.                     <ul style="list-style-type: none"> <li>KFXJ .....(100) 120</li> </ul> </li> <li>Grand Rapids, Mich.                     <ul style="list-style-type: none"> <li>WASH .....(500) 127</li> <li>WODD .....(500) 127</li> </ul> </li> <li>Grant City, Mo.                     <ul style="list-style-type: none"> <li>KGIZ .....(100) 150</li> </ul> </li> <li>Great Falls, Mont.                     <ul style="list-style-type: none"> <li>KFBB .....(1,000) 128</li> </ul> </li> <li>Greeley, Colo.                     <ul style="list-style-type: none"> <li>KFFA .....(500) 88</li> </ul> </li> <li>Green Bay, Wis.                     <ul style="list-style-type: none"> <li>WBXY .....(100) 120</li> </ul> </li> <li>Greensboro, N. C.                     <ul style="list-style-type: none"> <li>WBIG .....(500) 144</li> </ul> </li> <li>Greenville, Miss.                     <ul style="list-style-type: none"> <li>WKFI .....(100) 121</li> </ul> </li> <li>Greenville, S. C.                     <ul style="list-style-type: none"> <li>WFBC .....(100) 120</li> </ul> </li> <li>Greenville, Texas                     <ul style="list-style-type: none"> <li>KFPM .....(15) 131</li> </ul> </li> <li>Grove City, Pa.                     <ul style="list-style-type: none"> <li>WSAJ .....(100) 131</li> </ul> </li> <li>Guadalupe, Jal., Mex.                     <ul style="list-style-type: none"> <li>XEA .....(100) 100</li> </ul> </li> <li>Guantanamo, Cuba                     <ul style="list-style-type: none"> <li>CMCG .....(50) 140</li> </ul> </li> </ul>	<p><b>G</b></p> <ul style="list-style-type: none"> <li>Guantanamo, Cuba                     <ul style="list-style-type: none"> <li>CMKJ .....(20) 130</li> </ul> </li> </ul>	<p><b>H</b></p> <ul style="list-style-type: none"> <li>Hackensack, N. J.                     <ul style="list-style-type: none"> <li>WBMS .....(250) 145</li> </ul> </li> <li>Hagerstown, Md.                     <ul style="list-style-type: none"> <li>WJEJ .....(100) 121</li> </ul> </li> <li>Halifax, Nova Scotia                     <ul style="list-style-type: none"> <li>CHNS .....(500) 82</li> <li>CNRH .....(500) 82</li> </ul> </li> <li>Hamilton, Ontario                     <ul style="list-style-type: none"> <li>CHCS .....(500) 63</li> <li>CKOC .....(500) 63</li> </ul> </li> <li>Hammond, Ind.                     <ul style="list-style-type: none"> <li>WVAE .....(100) 120</li> </ul> </li> <li>Harlingen, Texas                     <ul style="list-style-type: none"> <li>KRGV .....(500) 126</li> </ul> </li> <li>Harrisburg, Ill.                     <ul style="list-style-type: none"> <li>WEBQ .....(100) 121</li> </ul> </li> <li>Harrisburg, Pa.                     <ul style="list-style-type: none"> <li>WCOD .....(100) 120</li> <li>WBAK .....(500) 143</li> <li>WHP .....(500) 143</li> </ul> </li> <li>Hartford, Conn.                     <ul style="list-style-type: none"> <li>WTIC .....(50,000) 106</li> <li>WORC .....(500) 133</li> </ul> </li> <li>Hattiesburg, Miss.                     <ul style="list-style-type: none"> <li>WPFB .....(100) 137</li> </ul> </li> <li>Hazleton, Pa.                     <ul style="list-style-type: none"> <li>WAZL .....(100) 142</li> </ul> </li> <li>Havana, Cuba                     <ul style="list-style-type: none"> </ul></li></ul>
---	--	---	--	--	---	---	--	---	--	--	---

# Alphabetically by Cities

**M**  
 Madison, Wis. WHA (1,000) 94  
 WIBA (500) 128  
 Manchester, N. H. WFEA (500) 143  
 Mandan, N. D. KGCU (250) 124  
 Manhattan, Kan. KSAC (500) 58  
 Manitowoc, Wis. WOMT (100) 121  
 Marianao, Cuba CMCQ (25) 66  
 CMCO (500) 86  
 CMDC (500) 86  
 CMCN (250) 93  
 CMCV (150) 127  
 CMQB (50) 150  
 Marquette, Mich. WBEQ (100) 131  
 Marshalltown, Iowa KFJB (100) 120  
 Marshallfield, Ore. KOOS (100) 137  
 Matanzas, Cuba CMGC (30) 82  
 CMGF (50) 99  
 CMGH (150) 104  
 CMGB (7.5) 121  
 Medford, Ore. KMED (100) 131  
 Memphis, Tenn. WREC (500) 60  
 WMC (500) 78  
 WHBQ (100) 137  
 WNBR (500) 143  
 Merida, Yuc., Mex. XEFC (10) 105  
 XEY (105) 100  
 Meridian, Miss. WCOC (500) 88  
 Mexico, D. F., Mex. XFG (2,000) 64  
 XEN (1,000) 71  
 XEZ (500) 78  
 XFI (1,000) 82  
 XFX (500) 86  
 XFW (5,000) 91  
 XEO (5,000) 94  
 XEK (100) 99  
 XEB (1,000) 103  
 XEG (100) 108  
 XETA (500) 114  
 XEX (500) 121  
 XETQ (100) 123  
 XEFA (250) 125  
 XEM (250) 130  
 Miami, Fla. WQAM (1,000) 56  
 WIOD (1,000) 130  
 Milwaukee, Wis. WTMJ (1,000) 62  
 WHAD (250) 112  
 WISN (250) 112  
 Minneapolis, Minn. WCCO (50,000) 81  
 WGGY (1,000) 118  
 WLB (1,000) 125  
 WRHM (1,000) 125  
 Minor, N. D. KLPM (250) 124  
 Mississippi City, Miss. WGCM (1,000) 58  
 Missoula, Mont. KGVO (100) 120  
 Mitchell, S. D. KGDA (100) 137  
 Mobile, Ala. WODX (500) 141  
 Moncton, N. B. CNRA (500) 63  
 Monroe, La. KMLB (100) 120  
 Monterrey, N. L., Mex. XET (500) 69  
 XEH (1,000) 113  
 XEFB (50) 127  
 Montgomery, Ala. WSFA (500) 141  
 Montreal, Quebec CHYC (5,000) 73  
 CKAC (5,000) 73  
 CFCE (500) 103  
 CHCH (100) 120  
 CJLP (100) 120  
 Moorhead, Minn. KGFK (100) 150  
 Mooseheart, Ill. WJJD (20,000) 113  
 Moose Jaw, Sask. CJRM (500) 67  
 Morelia, Mich., Mex. XEI (100) 100  
 Mount Hamilton, Ont. CHML (50) 88  
 Mount Orab, Ohio WHBD (100) 137  
 Muncie, Ind. WLBC (50) 131

**N**  
 Needham, Mass. WBSO (500) 92  
 Newark, N. J. WOR (50,000) 71  
 WAAM (1,000) 125  
 WGPC (250) 125  
 WNJ (250) 145  
 New Bedford, Mass. WNBH (100) 131  
 New Orleans, La. WWL (10,000) 85  
 WABZ (100) 120  
 WJBW (100) 120  
 WDSU (1,000) 125  
 WSMB (500) 132  
 WJBO (100) 142  
 Newport News, Va. WGH (100) 131  
 New York, N. Y. WMCA (500) 57  
 WNYC (500) 57  
 WEFM (50,000) 66  
 WJZ (30,000) 78  
 WPCB (500) 81  
 WABC (50,000) 86  
 WHN (250) 101  
 WQAO (250) 101  
 WRNY (250) 101  
 LWL (5,000) 110  
 WOY (1,000) 113  
 WINS (500) 118  
 WBBR (1,000) 130  
 WEVD (500) 130  
 WFAB (1,000) 130  
 WBNX (250) 135  
 WCDA (250) 135  
 WMSG (250) 135  
 Norfolk, Neb. WJAG (1,000) 106  
 Norfolk, Va. WTAR (500) 78  
 Norman, Okla. WNAD (500) 101  
 North Bay, Ontario CFCH (100) 93  
 Northfield, Minn. KFMX (1,000) 125  
 WCAL (1,000) 125  
 N. Laredo, Tamps., Mex. XEPE (100) 100  
 XEP (200) 140  
 North Platte, Neb. KGNF (500) 143

**O**  
 Oakland, Cal. KLX (500) 88  
 KROW (500) 93  
 KLS (250) 144  
 Oaxaca, Oax., Mex. XEE (105) 100  
 Ogden, Utah KLO (500) 140  
 Oklahoma City, Okla. WKY (1,000) 90  
 KFRR (100) 131  
 KGFG (100) 137  
 KOMA (5,000) 146  
 Olympia, Wash. KGY (100) 121  
 Omaha, Neb. WOW (1,000) 59  
 WAAW (500) 66  
 Orlando, Fla. WDBO (250) 58  
 Ottawa, Ontario CNRO (500) 60  
 CKCD (100) 89  
 Ottumwa, Iowa WIAS (100) 131

**P**  
 Patuxent, Ky. WPAD (100) 142  
 Paragouli, Ark. KBTM (100) 120  
 Pasadena, Cal. KPCC (50) 121  
 Paterson, N. J. WDDA (1,000) 125  
 Pensacola, Fla. WCOA (500) 134  
 Peoria, Ill. WMRD (500) 144  
 Petersburg, Va. WPHR (100) 120  
 Philadelphia, Pa. WFLI (500) 56  
 WFIT (500) 56  
 WFAN (500) 61  
 WIP (500) 61  
 WRAX (250) 102  
 WCAU (50,000) 117  
 WHAT (100) 131  
 WTEL (100) 131  
 WDAS (100) 137  
 WPEN (100) 150

**Q**  
 Quebec, Quebec CHRC (100) 65  
 CKCI (100) 65  
 CKCV (50) 88  
 Queretaro, Gro., Mex. XEFS (40) 100  
 Quincy, Ill. WTAD (500) 144

**R**  
 Racine, Wis. WRJN (100) 137  
 Raleigh, N. C. WPTF (1,000) 68  
 Rapid City, S. D. WCAT (100) 120  
 Reading, Pa. WEEU (1,000) 83  
 WRAW (100) 131  
 Red Bank, N. J. WJBI (100) 121  
 Red Deer, Alta. CKLC (1,000) 84  
 Regina, Sask. CHWC (500) 96  
 CKCK (500) 96  
 Reno, Nev. KOH (500) 138  
 Reynosa, Tamps., Mex. XED (10,000) 97  
 Richmond, Va. WRVA (5,000) 111  
 WBBL (100) 121  
 WMBG (100) 121  
 Roanoke, Va. WDBJ (250) 93  
 WRDX (250) 141  
 Rochester, N. Y. WHAM (25,000) 115  
 WHEC (500) 143  
 Rockford, Ill. KFLV (500) 141  
 Rock Island, Ill. WHBF (100) 121  
 Rome, Georgia WFDV (100) 150  
 Roswell, N. M. KGFL (100) 137  
 Royal Oak, Mich. WEXL (50) 131  
 Rutland, Vt. WSYB (100) 150

**S**  
 Sacramento, Cal. KFBK (100) 131  
 Phoenix, Ariz. KTAR (500) 62  
 KOY (500) 139  
 Pierre, S. D. KGFX (200) 63  
 Pinar del Rio, Cuba CMAB (20) 125  
 Pittsburgh, Pa. KDKA (50,000) 98  
 WCAE (1,000) 122  
 WJAS (1,000) 129  
 KQV (500) 138  
 WWSW (100) 150  
 Pocatello, Idaho KSEI (250) 89  
 Ponca City, Okla. WBBZ (100) 120  
 Port au Prince, Haiti HNK (1,000) 92  
 Portland, Maine WGSN (1,000) 94  
 Portland, Ore. KGW (1,000) 62  
 KOIN (1,000) 94  
 KWJJ (500) 106  
 KEX (5,000) 118  
 KFJR (500) 130  
 KALE (500) 130  
 KBPS (100) 142  
 KXL (100) 142  
 Portsmouth, N. H. WHEB (250) 74  
 Poyntette, Wis. WBU (100) 121  
 Prescott, Ariz. KPJM (100) 150  
 Prescott, Ontario CFLS (100) 92  
 Presque Isle, Maine WAGM (100) 142  
 Preston, Ontario CKPC (100) 88  
 Providence, R. I. WEAN (250) 78  
 WJAR (500) 89  
 WPRO (100) 121  
 Puebla, Pue., Mex. XEV (100) 100  
 Pueblo, Colo. KGHF (250) 132  
 Pullman, Wash. KWSC (1,000) 122

**T**  
 Quebec, Quebec CHRC (100) 65  
 CKCI (100) 65  
 CKCV (50) 88  
 Queretaro, Gro., Mex. XEFS (40) 100  
 Quincy, Ill. WTAD (500) 144  
 Racine, Wis. WRJN (100) 137  
 Raleigh, N. C. WPTF (1,000) 68  
 Rapid City, S. D. WCAT (100) 120  
 Reading, Pa. WEEU (1,000) 83  
 WRAW (100) 131  
 Red Bank, N. J. WJBI (100) 121  
 Red Deer, Alta. CKLC (1,000) 84  
 Regina, Sask. CHWC (500) 96  
 CKCK (500) 96  
 Reno, Nev. KOH (500) 138  
 Reynosa, Tamps., Mex. XED (10,000) 97  
 Richmond, Va. WRVA (5,000) 111  
 WBBL (100) 121  
 WMBG (100) 121  
 Roanoke, Va. WDBJ (250) 93  
 WRDX (250) 141  
 Rochester, N. Y. WHAM (25,000) 115  
 WHEC (500) 143  
 Rockford, Ill. KFLV (500) 141  
 Rock Island, Ill. WHBF (100) 121  
 Rome, Georgia WFDV (100) 150  
 Roswell, N. M. KGFL (100) 137  
 Royal Oak, Mich. WEXL (50) 131  
 Rutland, Vt. WSYB (100) 150

**U**  
 Urbana, Ill. WILL (250) 89  
 Utica, N. Y. WIBX (100) 120

**V**  
 Vancouver, B. C. CHLS (100) 73  
 CKCD (100) 73  
 CKFC (50) 73  
 CKMO (100) 73  
 CKWX (100) 73  
 CNRV (500) 183  
 CJOR (500) 121  
 Veracruz, Ver., Mex. XETF (500) 63  
 XEU (100) 100  
 Vermilion, S. D. KUSD (500) 89  
 Vicksburg, Miss. WQBC (500) 136  
 Victoria, B. C. CFCT (50) 63  
 Villa Acuna, Coah., Mex. XER (75,000) 74

**W**  
 Waco, Texas WACO (1,000) 124  
 Walla Walla, Wash. KUJ (100) 137  
 Washington, D. C. WMAL (250) 83  
 WRC (500) 95  
 WOL (100) 131  
 Waterbury, Vt. WDEV (500) 55  
 Waterloo, Iowa WMT (500) 60  
 Waterloo, Ontario CKCR (100) 65  
 Watertown, S. D. KGCR (100) 121  
 Wenatchee, Wash. KPQ (100) 150  
 West Lafayette, Ind. WBAA (500) 140  
 Wheeling, W. Va. WVA (5,000) 116  
 White Plains, N. Y. WFAS (100) 121  
 Wichita, Kan. KFH (1,000) 130  
 Wichita Falls, Texas KGKO (250) 57  
 Wilkes-Barre, Pa. WBAX (100) 121  
 WIBRE (100) 131  
 Williamsport, Pa. WJEC (100) 137  
 WRAA (100) 137  
 Wilmington, Del. WDEL (250) 112  
 WILM (100) 142  
 Wilmington, N. C. WRAM (100) 137  
 Windsor, Ontario CKOK (1,000) 54  
 Winnipeg, Manitoba CJRW (500) 67  
 CKY (5,000) 78  
 Winston-Salem, N. C. WSJS (100) 131  
 Wolf Point, Mont. KGCX (100) 131  
 Wolfville, Nova Scotia CKIC (50) 101  
 Woodside, N. Y. WWRL (100) 150  
 Worcester, Mass. WTAG (250) 58  
 WORC (100) 120

**Y**  
 Yakima, Wash. KIT (100) 131  
 Yankton, S. D. WNAX (1,000) 57  
 York, Neb. KGBZ (500) 93  
 York, Pa. WDRK (1,000) 100  
 Yorkton, Sask. CJGX (500) 63  
 Youngstown, Ohio WKBN (500) 57  
 Yuma, Ariz. KUMA (100) 142  
 Yuma, Colo. KGEK (100) 120

**Z**  
 Zanesville, Ohio WALR (100) 121  
 Zephth, N. J. WAWZ (250) 135  
 Zion, Ill. WCBZ (5,000) 186

ALPHABETICAL CALL LIST (U. S.) | ALPHABETICAL CALL LIST (U. S.)

Table with columns: Call, Location, Owner, Watts, Channel. Lists stations from WAAB to WCAC.

Table with columns: Call, Location, Owner, Watts, Channel. Lists stations from WCAD to WDBJ.

Table with columns: Call, Location, Owner, Watts, Channel. Lists stations from WDBO to WFBM.

Table with columns: Call, Location, Owner, Watts, Channel. Lists stations from WFBR to WHEF.

ALPHABETICAL
Complete Listing of North American Broadcasting Stations

ALPHABETICAL CALL LIST ( U. S. )

Table with 5 columns: Call, Location, Owner, Watts, Channel. Contains call letters and station information for stations starting with WH through WJ.

Table with 5 columns: Call, Location, Owner, Watts, Channel. Contains call letters and station information for stations starting with WJMS through WJZ.

This list of calls comprises every station on the North American continent. The stations of each country are printed in separate groups, but each alphabetically, so that any call letter may be easily found. The large black figures at the end of each line is the channel number, that is, the frequency with the final cypher dropped.

Table with 5 columns: Call, Location, Owner, Watts, Channel. Contains call letters and station information for stations starting with WK through WZ.

ALPHABETICAL CALL LIST ( U. S. )

Table with 5 columns: Call, Location, Owner, Watts, Channel. Contains call letters and station information for stations starting with WL through WOAX.

Table with 5 columns: Call, Location, Owner, Watts, Channel. Contains call letters and station information for stations starting with WOBU through WZ.

**ALPHABETICAL CALL LIST ( U. S. )**

**ALPHABETICAL CALL LIST ( U. S. )**

Call	Location	Owner	Watts	Channel
<b>WREN</b>	Tonganoxie, Kan.	Jenny Wren Co.	(1000)	122
<b>WRRM</b>	Minneapolis, Minn.	Minnesota Broadcasting Co.	(1000)	125
<b>WRJN</b>	Racine, Wis.	Racine Broadcasting Corp.	(100)	137
<b>WRNY</b>	New York, N. Y.	Aviation Radio Station, Inc.	(250)	101
<b>WROL</b>	Knoxville, Tenn.	Stuart Broadcasting Corp.	(100)	131
<b>WRR</b>	Dallas, Tex.	City of Dallas	(500)	128
<b>WRUF</b>	Gainesville, Fla.	University of Florida	(5000)	83
<b>WRVA</b>	Richmond, Va.	Larus & Bro. Co., Inc.	(5000)	111
<b>WSAI</b>	Cincinnati, Ohio	Cresley Radio Corp.	(500)	133
<b>WSAJ</b>	Grove City, Pa.	Grove City College	(100)	131
<b>WSAN</b>	Allentown, Pa.	Allentown Call Pub. Co., Inc.	(250)	144
<b>WSAR</b>	Fall River, Mass.	Doughty & Walsh Elec. Co., Inc.	(250)	145
<b>WSAZ</b>	Huntington, W. Va.	WSAZ, Inc.	(250)	58
<b>WSB</b>	Atlanta, Ga.	Atlanta Journal Co.	(50,000)	74
<b>WSBC</b>	Chicago, Ill.	World Battery Co., Inc.	(100)	121
<b>WSBT</b>	South Bend, Ind.	South Bend Tribune	(500)	123
<b>WSEN</b>	Columbus, Ohio	Columbus Broadcasting Corp.	(100)	121
<b>WSFA</b>	Montgomery, Ala.	Montgomery Broadcasting Corp.	(500)	141
<b>WSIX</b>	Springfield, Tenn.	638 Tire & Vulcanizing Co.	(100)	121
<b>WSJS</b>	Winston-Salem, N.C.	Winston-Salem Journal Co.	(100)	131
<b>WSM</b>	Nashville, Tenn.	Nat. Life & Acc. Ins. Co.	(50,000)	65
<b>WSMB</b>	New Orleans, La.	WSMB, Incorporated	(500)	132
<b>WSMK</b>	Dayton, Ohio	Stanley M. Krohn, Jr.	(200)	138
<b>WSOC</b>	Gastonia, N. C.	WSOC Incorporated	(100)	121
<b>WSPA</b>	Spartanburg, S. C.	Voice of South Carolina	(100)	142
<b>WSPD</b>	Toledo, Ohio	Toledo Broadcasting Co.	(1000)	134
<b>WSUI</b>	Iowa City, Iowa	State University of Iowa	(500)	88
<b>WSVS</b>	Buffalo, N. Y.	Seneca Vocational High School	(50)	137
<b>WSYB</b>	Rutland, Vt.	Philip Weiss Music Co.	(100)	150
<b>WSYR</b>	Syracuse, N. Y.	J. Tracy and E. Smedberg	(250)	57
<b>WTAD</b>	Quincy, Ill.	Illinois Broadcasting Corporation	(500)	144
<b>WTAG</b>	Worcester, Mass.	Worcester Telegram Pub. Co.	(250)	58
<b>WTAM</b>	Cleveland, Ohio	National Broadcasting Co., Inc.	(50,000)	107
<b>WTAQ</b>	Eau Claire, Wis.	Gillette Rubber Co.	(1000)	133
<b>WTAR</b>	Norfolk, Va.	WTAR Radio Corp.	(500)	78
<b>WTAW</b>	College Sta., Tex.	Agri. & Mech. College of Texas	(500)	112
<b>WTAX</b>	Springfield, Ill.	WTAX, Inc.	(100)	121
<b>WTBO</b>	Cumberland, Md.	Interstate Broadcasting System	(100)	142
<b>WTEL</b>	Philadelphia, Pa.	Foukred Radio Eng. Co.	(100)	131
<b>WTFI</b>	Athens, Ga.	Liberty Broadcasting Company	(500)	145
<b>WTIC</b>	Hartford, Conn.	Travelers Broadc. Service Corp.	(50,000)	106
<b>WTJS</b>	Jackson, Tenn.	The Sun Publishing Co., Inc.	(100)	131
<b>WTMJ</b>	Milwaukee, Wis.	The Journal Co.	(1000)	62
<b>WTOC</b>	Savannah, Ga.	Savannah Broadcasting Co.	(500)	126

Call	Location	Owner	Watts	Channel
<b>WTRC</b>	Eikhart, Ind.	The Truth Publishing Co., Inc.	(50)	131
<b>WTSL</b>	Laurel, Miss.	G. A. Houseman	(100)	131
<b>WWAE</b>	Hammond, Ind.	Hammond-Calumet Brdc. Corp.	(100)	120
<b>WWJ</b>	Detroit, Mich.	The Evening News Assn.	(1000)	92
<b>WWL</b>	New Orleans, La.	Loyola University	(10,000)	85
<b>WWNC</b>	Asheville, N. C.	Citizen's Broadcasting Co., Inc.	(1000)	57
<b>WWRL</b>	Woodside, N. Y.	L. I. Broadcasting Corp.	(100)	150
<b>WWSW</b>	Pittsburgh, Pa.	Walker & Dowling Radio Corp.	(100)	150
<b>WWVA</b>	Wheeling, W. Va.	West Virginia Broadc. Corp.	(5000)	116
<b>WXYZ</b>	Detroit, Mich.	Kunsky-Trendle Bdecasting Corp.	(1000)	124
<b>KABC</b>	San Antonio, Texas	Alamo Broadcasting Co., Inc.	(100)	142
<b>KALE</b>	Portland, Ore.	Kale, Inc.	(500)	130
<b>KARK</b>	Little Rock, Ark.	Arkansas Radio & Equip. Co.	(500)	89
<b>KASA</b>	Eik City, Okla.	E. M. Needy	(100)	121
<b>KBPS</b>	Portland, Ore.	Benson Polytechnical School	(100)	142
<b>K8TM</b>	Paragould, Ark.	W. J. Beard's Temple of Music	(100)	120
<b>KCMC</b>	Texarkana, Ark.	No. Mississippi Broade. Corp.	(100)	142
<b>KCRC</b>	Enid, Okla.	Enid Radiophone Co.	(100)	137
<b>KCRJ</b>	Jerome, Ariz.	Charles C. Robinson	(100)	131
<b>KDB</b>	Santa Barbara, Cal.	Santa Barbara Broadcasting, Ltd.	(100)	150
<b>KDFN</b>	Casper, Wyo.	Donald Lewis Hathaway	(500)	144
<b>KDKA</b>	Pittsburgh, Pa.	Westinghouse Elec. & Mfg. Co.	(50,000)	98
<b>KDLR</b>	Devils Lake, N. D.	KDLR, Inc.	(100)	121
<b>KOYL</b>	Salt Lake, Utah	Intermountain Broade. Corp.	(1000)	129
<b>KECA</b>	Los Angeles, Cal.	Earl C. Anthony, Inc.	(1000)	143
<b>KELW</b>	Burbank, Cal.	Magnolia Park, Ltd.	(500)	78
<b>KERN</b>	Bakersfield, Cal.	The Bee Bakersfield Broade. Co.	(100)	120
<b>KEX</b>	Portland, Ore.	Western Broadcasting Co.	(5000)	118
<b>KFAB</b>	Lincoln, Neb.	KFAB Broadcasting Co.	(25,000)	77
<b>KFAC</b>	Los Angeles, Cal.	Los Angeles Broadcasting Co.	(1000)	130
<b>KFBB</b>	Great Falls, Mont.	Butfrey Broadcast, Inc.	(1000)	128
<b>KFBI</b>	Abilene, Kans.	Farmers & Bankers Life Ins. Co.	(5000)	105
<b>KFBK</b>	Sacramento, Cal.	James McClatchy Co.	(100)	131
<b>KFBL</b>	Everett, Wash.	Leese Bros.	(50)	137
<b>KFDM</b>	Beaumont, Texas	Sabine Broadcasting Co., Inc.	(500)	56
<b>KFDY</b>	Brookings, S. D.	South Dakota State College	(1000)	55
<b>KFEL</b>	Denver, Colo.	Eugene P. O'Fallon, Inc.	(500)	92
<b>KFEQ</b>	St. Joseph, Mo.	Scroggin & Co. Bank	(2500)	68
<b>KFGQ</b>	Boone, Iowa	Boone Biblical College	(100)	131
<b>KFH</b>	Wichita, Kan.	Radio Station KFH Co.	(1000)	130
<b>KFI</b>	Los Angeles, Cal.	Earl C. Anthony, Inc.	(50,000)	64
<b>KFIO</b>	Spokane, Wash.	Spokane Broadcasting Corp.	(100)	112
<b>KFIZ</b>	Fond du Lac, Wis.	The Reporter Printing Co.	(100)	142
<b>KFJB</b>	Marshalltown, Iowa	Marshall Electric Co., Inc.	(100)	120

Call	Location	Owner	Watts	Channel
<b>KFJI</b>	Klamath Falls, Ore.	KFJI Broadcasters, Inc.	(100)	121
<b>KFJM</b>	Grand Forks, N. D.	University of North Dakota	(100)	137
<b>KFJR</b>	Portland, Ore.	Ashley C. Dixon-KFJR, Inc.	(500)	130
<b>KFJZ</b>	Fort Worth, Tex.	Fort Worth Br'dcast'g Co., Inc.	(100)	137
<b>KFKA</b>	Greeley, Colo.	Mid-Western Radio Corporation	(500)	88
<b>KFKU</b>	Lawrence, Kan.	University of Kansas	(500)	122
<b>KFLV</b>	Rockford, Ill.	Rockford Broadcasters	(500)	141
<b>KFLX</b>	Galveston, Tex.	George Roy Clough	(100)	137
<b>KFMX</b>	Northfield, Minn.	Carleton College	(1000)	125
<b>KFNF</b>	Shenandoah, Iowa	Henry Field Co.	(500)	89
<b>KFOR</b>	Lincoln, Neb.	Howard A. Shuman	(100)	121
<b>KFOX</b>	Long Beach, Cal.	Nichols & Warlener, Inc.	(1000)	125
<b>KFPL</b>	Dublin, Tex.	C. C. Baxter	(100)	131
<b>KFPM</b>	Greenville, Tex.	The New Furniture Co.	(15)	131
<b>KFPW</b>	Fort Smith, Ark.	Southwestern Hotel Co.	(100)	121
<b>KFPY</b>	Spokane, Wash.	Symons Broadcasting Co.	(1000)	126
<b>KFRC</b>	San Francisco, Cal.	Don Lee Broadcasting System	(1000)	61
<b>KFRU</b>	Columbia, Mo.	KFRU, Incorporated	(500)	63
<b>KFSD</b>	San Diego, Cal.	Airtan Radio Corp., Ltd.	(500)	60
<b>KFSG</b>	Los Angeles, Cal.	Echo Park Evang. Assn.	(500)	112
<b>KFUL</b>	Galveston, Tex.	The News Pub. Co., Inc.	(500)	129
<b>KFUD</b>	Clayton, Mo.	Concordia Seminary	(500)	55
<b>KFVQ</b>	Los Angeles, Cal.	Los Angeles Broadcasting Co.	(250)	100
<b>KFVS</b>	Cape Girardeau, Mo.	Hirsch Battery & Radio Co.	(100)	121
<b>KFWB</b>	Hollywood, Cal.	Warner Bros. Broadcasting Corp.	(1000)	95
<b>KFWF</b>	St. Louis, Mo.	St. Louis Truth Center, Inc.	(100)	120
<b>KFWI</b>	San Francisco, Cal.	Radio Entertainments, Inc.	(500)	93
<b>KFXD</b>	Nampa, Idaho	Frank E. Hurt	(100)	120
<b>KFXF</b>	Denver, Colo.	Colorado Radio Corporation	(500)	92
<b>KFXJ</b>	Grand Junction, Colo.	Western Slope Broadcasting Co.	(100)	120
<b>KFXM</b>	S. Bernardino, Cal.	J. C. and E. W. Lee	(100)	121
<b>KFXR</b>	Oklahoma City	Exchange Avenue Baptist Church	(100)	131
<b>KFYD</b>	Lubbock, Tex.	Kirkey Bros.	(100)	131
<b>KFYR</b>	Bismarck, N. D.	Meyer Broadcasting Co.	(1000)	55
<b>KGA</b>	Spokane, Wash.	Northwest Broadcasting System	(5000)	147
<b>KGAR</b>	Tucson, Ariz.	Tucson Motor Service Co.	(100)	137
<b>KGB</b>	San Diego, Cal.	Don Lee Broadcasting System	(100)	133
<b>KGBX</b>	Springfield, Mo.	KGBX, Inc.	(100)	131
<b>KGBZ</b>	York, Neb.	Dr. Geo. R. Miller	(500)	93
<b>KGCA</b>	Decorah, Iowa	Chas. W. Greenley	(100)	127
<b>KGCR</b>	Watertown, S. D.	Greater Kampeka Radio Corp.	(100)	121
<b>KGCU</b>	Mandan, N. D.	Mandan Radio Assn.	(250)	124
<b>KGCX</b>	Wolf Point, Mont.	First State Bank of Vida	(100)	131
<b>KGDA</b>	Mitchell, S. D.	Mitchell Broadcasting Corp.	(100)	137

Call	Location	Owner	Watts	Channel
<b>KGDE</b>	Fergus Falls, Minn.	Charles L. Jaran	(100)	120
<b>KGDM</b>	Stockton, Cal.	E. F. Puffer	(250)	110
<b>KGDY</b>	Huron, S. D.	Voice of So. Dakota	(100)	120
<b>KGEE</b>	Los Angeles, Cal.	Trinity Methodist Church	(1000)	130
<b>KGEK</b>	Yuma, Colo.	Beehler Electrical Equip. Co.	(100)	120
<b>KGER</b>	Long Beach, Cal.	Cons. Broadcasting Corp., Ltd.	(1000)	136
<b>KGEW</b>	Ft. Morgan, Colo.	City of Ft. Morgan	(100)	120
<b>KGEZ</b>	Kaliispell, Mont.	Donald C. Treloar	(100)	131
<b>KGFF</b>	Shawnee, Okla.	KGFF Broadcasting Co.	(100)	142
<b>KGFG</b>	Oklahoma City	Oklahoma Broadcasting Co., Inc.	(100)	137
<b>KGFI</b>	Corpus Christi, Tex.	Eagle Broadcasting Co., Inc.	(100)	150
<b>KGfJ</b>	Los Angeles, Cal.	Ben S. McGlashan	(100)	120
<b>KGFK</b>	Moorhead, Minn.	Red River Broadcasting Co., Inc.	(100)	150
<b>KGFL</b>	Roswell, N. M.	KGFL, Inc.	(100)	137
<b>KGFW</b>	Kearney, Neb.	Central Nebraska Brdcastg Co.	(100)	131
<b>KGFX</b>	Pierre, S. D.	Dana McNeil	(200)	63
<b>KGGC</b>	San Francisco, Cal.	Golden Gate Broadcasting Co.	(100)	142
<b>KGGF</b>	Coffeyville, Kansas	Powell & Platz	(500)	101
<b>KGGM</b>	Albuquerque, N. M.	New Mexico Broadcasting Co.	(250)	123
<b>KGHF</b>	Pueblo, Colo.	C. P. Ritchie and Joe E. Finch	(250)	132
<b>KGHI</b>	Little Rock, Ark.	O. A. Cook	(100)	120
<b>KGHL</b>	Billings, Mont.	Northwestern Auto Sup. Co., Inc.	(1000)	95
<b>KGIR</b>	Butte, Mont.	KGIR, Inc.	(500)	136
<b>KGIW</b>	Trinidad, Colo.	Leonard E. Wilson	(100)	142
<b>KGIX</b>	Las Vegas, Nev.	J. M. Heaton	(100)	142
<b>KGIZ</b>	Grant City, Mo.	Grant City Park Corp.	(100)	150
<b>KGKB</b>	Tyler, Tex.	East Texas Broadcasting Co.	(100)	150
<b>KGKL</b>	San Angelo, Tex.	KGKL, Inc.	(100)	137
<b>KGKO</b>	Wichita Falls, Tex.	Wichita Falls Broadcasting Co.	(250)	57
<b>KGKX</b>	Lewiston, Idaho	Sandpoint Broadcasting Co.	(100)	142
<b>KGKY</b>	Scottsbluff, Neb.	Hilliard Co., Inc.	(100)	150
<b>KGMP</b>	Elk City, Okla.	Bryant Radio & Electric Co.	(100)	121
<b>KGNF</b>	North Platte, Neb.	Great Plains Broadcasting Co.	(500)	143
<b>KGND</b>	Dodge City, Kan.	Dodge City Broade. Co., Inc.	(100)	121
<b>KGO</b>	San Francisco	National Broadcasting Co., Inc.	(7500)	79
<b>KGRS</b>	Amarillo, Tex.	Gish Radio Service	(1000)	141
<b>KGVO</b>	Missoula, Mont.	Mosby's, Incorporated	(100)	120
<b>KGW</b>	Portland, Ore.	Oregonian Publishing Co.	(1000)	62
<b>KGY</b>	Olympia, Wash.	KGY, Incorporated	(100)	121
<b>KHJ</b>	Los Angeles, Cal.	Don Lee Broadcasting System	(1000)	90
<b>KHQ</b>	Spokane, Wash.	Louis Wasmer, Inc.	(1000)	59
<b>KICA</b>	Clovis, N. M.	Southwest Broadcasting Co.	(100)	137
<b>KICK</b>	Carter Lake, Iowa	Red Oak Radio Corp.	(100)	142
<b>KID</b>	Idaho Falls, Ida.	KID Broadcasting Co.	(250)	132



ALPHABETICAL CALL LIST ( U. S. ) | ALPHABETICAL CALL LIST (Canada)

Call	Location	Owner	Watts	Channel
KIDO	Boise, Idaho	(1000) Boise Broadcast Station	135	
KIDW	Lamar, Colo.	(100) Lamar Broadcasting Company	142	
KIEM	Eureka, Cal.	(100) Harold H. Hanseth	121	
KIEV	Glendale, Cal.	(100) Cannon System, Ltd.	85	
KIT	Yakima, Wash.	(100) Carl E. Haymond	131	
KJBS	San Francisco, Cal.	(100) Julius Brunton & Sons Co.	107	
KJR	Seattle, Wash.	(5000) Northwest Broadcasting System	97	
KLCN	Blytheville, Ark.	(50) Charles Leo Lintzenich	129	
KLO	Ogden, Utah	(500) Interstate Broadcasting Corp.	140	
KLPM	Minot, N. D.	(250) John B. Cooley	124	
KLRA	Little Rock, Ark.	(1000) Arkansas Broadcasting Co.	139	
KLS	Oakland, Cal.	(250) Warner Bros.	144	
KLX	Oakland, Cal.	(500) The Tribune Publishing Co.	84	
KLZ	Denver, Colo.	(1000) Reynolds Radio Co., Inc.	56	
KMA	Shenandoah, Iowa	(500) May Seed & Nursery Co.	93	
KMAC	San Antonio, Tex.	(100) W. W. McAllister	137	
KMBC	Kansas City, Mo.	(1000) Midland Broadcasting Co., Inc.	95	
KMED	Medford, Ore.	(100) Mrs. W. J. Virgin	131	
KMJ	Fresno, Cal.	(500) James McClatchy Co.	58	
KMLB	Monroe, La.	(100) Liner's Broadcasting Station, Inc.	120	
KMMJ	Clay Center, Neb.	(1000) The M. M. Johnson Co.	74	
KMO	Tacoma, Wash.	(250) KMO, Inc.	133	
KMOX	St. Louis, Mo.	(50,000) Voice of St. Louis, Inc.	109	
KMPC	Beverly Hills, Cal.	(500) R. S. Macmillan	71	
KMTR	Los Angeles, Cal.	(500) KMTR Radio Corp.	5	
KNOW	Austin, Tex.	(100) KUT Broadcasting Company	150	
KNX	Los Angeles, Cal.	(25,000) Western Broadcast Co.	105	
KOA	Denver, Colo.	(50,000) National Broadcasting Co., Inc.	83	
KOAC	Corvallis, Ore.	(1000) Oregon State Agri. College	55	
KOB	Albuquerque	(10,000) N. M. College of Agri. & M. Arts	118	
KOCW	Chickasha, Okla.	(250) J. T. Griffin	140	
KOH	Reno, Nev.	(500) The Bee, Inc.	138	
KOIL	Council Bluffs, Ia.	(1000) Mona Motor Oil Co.	126	
KOIN	Portland, Ore.	(1000) KOIN, Inc.	94	
KOL	Seattle, Wash.	(1000) Seattle Broadcasting Co., Inc.	127	
KOMA	Oklahoma City	(5,000) National Radio Mfg. Co.	148	
KOMO	Seattle, Wash.	(1000) Fisher's Blend Station, Inc.	92	
KONO	San Antonio, Tex.	(100) Mission Broadcasting Co.	137	
KOOS	Marshfield, Ore.	(100) H. H. Hanseth, Inc.	137	
KORE	Eugene, Ore.	(100) Eugene Broadcast Station	142	
KOY	Phoenix, Ariz.	(500) Nielsen Radio Company	139	
KPCB	Seattle, Wash.	(100) Queen City Broadcast. Co.	65	
KPJM	Prescott, Ariz.	(100) Scott and Sturn	150	
KPO	San Francisco	(50,000) National Broadcasting Co., Inc.	68	

Call	Location	Owner	Watts	Channel
KPOF	Denver, Colo.	(500) Pillar of Fire, Inc.	88	
KPPC	Pasadena, Cal.	(50) Pasadena Presbyterian Church	121	
KPQ	Wenatchee, Wash.	(100) Westcoast Broadcasting Co.	150	
KPRC	Houston, Tex.	(1000) Houston Printing Co.	92	
KQV	Pittsburgh, Pa.	(500) KQV Broadcasting Co.	138	
KQW	San Jose, Cal.	(500) Pacific Agri. Foundation, Ltd.	101	
KRE	Berkeley, Cal.	(100) First Cong. Church of Berkeley	137	
KREG	Santa Ana, Cal.	(100) The Voice of the Orange Empire	150	
KRGV	Harlingen, Tex.	(500) KRGV, Inc.	126	
KRKO	Los Angeles, Cal.	(500) Fireside Broadcasting Co.	112	
KRLD	Dallas, Tex.	(10,000) KRLD Radio Corp.	104	
KRMO	Shreveport, La.	(100) Radio Station KRMO, Inc.	131	
KROW	Oakland, Cal.	(500) Educational Broadcasting Corp.	93	
KRSC	Seattle, Wash.	(100) Radio Sales Corp.	112	
KSAC	Manhattan, Kan.	(500) Kansas State Agri. College	53	
KSCJ	Sioux City, Iowa	(1000) Perkins Bros. Co.	133	
KSD	St. Louis, Mo.	(500) Pulitzer Publishing Co.	55	
KSEI	Pocatello, Idaho	(250) Radio Service Corporation	89	
KSL	Salt Lake, Utah	(50,000) Radio Serv. Corp of Utah	113	
KSD	Creston, Iowa	(500) Iowa Broadcasting Co.	138	
KSOO	Sioux Falls, S. D.	(2500) Sioux Falls Broadcast Assn., Inc.	111	
KSTP	St. Paul, Minn.	(10,000) National Battery Broadc. Co.	146	
KTAB	San Francisco	(1000) Associated Broadcasters, Inc.	56	
KTAR	Phoenix, Ariz.	(500) KTAR Broadcasting Co.	62	
KTAT	Fort Worth, Texas	(1000) KTAT Broadcast Co., Inc.	124	
KTBS	Shreveport, La.	(1000) Tri State Broadcasting System	145	
KTFI	Twin Falls, Idaho	(500) Radio Broadcasting Corp.	124	
KTHS	Hot Springs, Ark.	(10,000) Hot Springs C. of C.	104	
KTM	Los Angeles, Cal.	(500) Pickwick Broadcasting Corp.	78	
KTRH	Houston, Tex.	(500) Rice Hotel	112	
KTSA	San Antonio, Tex.	(1000) Southwest Broadcasting Co.	129	
KTSM	El Paso, Tex.	(100) Tri-State Broadcasting Co., Inc.	131	
KTW	Seattle, Wash.	(1000) First Presbyterian Church	122	
KUJ	Walla Walla, Wash.	(100) KUJ, Inc.	137	
KUMA	Yuma, Ariz.	(100) Albert H. Schermann	142	
KUOA	Fayetteville, Ark.	(1000) Southwestern Hotel Co.	139	
KUSD	Vermillion, S. D.	(500) University of South Dakota	89	
KVI	Tacoma, Wash.	(500) Puget Sound Broadc. Co., Inc.	57	
KVL	Seattle, Wash.	(100) KVL, Inc.	137	
KVOA	Tucson, Ariz.	(500) Robert M. Riculfi	126	
KVOO	Tulsa, Okla.	(25,000) Southwestern Sales Corp.	114	
KVOR	Colorado Springs	(1000) The Reynolds Radio Co., Inc.	127	
KVOS	Bellingham, Wash.	(100) KVOS, Inc.	120	
KWCR	Cedar Rapids, Iowa	(100) Cedar Rapids Broadcasting Co.	142	

Call	Location	Owner	Watts	Channel
KWEA	Shreveport, La.	(100) Hello World Broadcasting Corp.	121	
KWG	Stockton, Cal.	(100) Portable Wireless Tel. Co., Inc.	120	
KWJJ	Portland, Ore.	(500) KWJJ Broadcasting Co., Inc.	106	
KWK	St. Louis, Mo.	(1000) Thomas Patrick, Incorporated	135	
KWKC	Kansas City, Mo.	(100) Wilson Duncan Broadcasting Co.	137	
KWKH	Shreveport, La.	(10,000) Hello World Broadcasting Corp.	85	
KWLC	Decorah, Iowa	(100) Luther College	127	
KWSC	Pullman, Wash.	(1000) State College of Washington	122	
KWWG	Brownsville, Tex.	(500) Frank P. Jackson Co.	126	
KXA	Seattle, Wash.	(250) American Radio Tel. Co.	76	
KXL	Portland, Ore.	(100) KXL Broadcasters, Inc.	142	
KXO	El Centro, Cal.	(100) E. R. Irey and F. M. Bowles	150	
KXRO	Aberdeen, Wash.	(100) KXRO, Inc.	131	
KXYZ	Houston, Tex.	(250) Harris County Broadcast Co.	142	
KYA	San Francisco, Cal.	(1000) Pacific Broadcasting Corp.	123	
KYW	Chicago, Ill.	(10,000) Westinghouse Elec. & Mfg. Co.	102	

CANADA

CFAC	Calgary, Alta.	(500) The Calgary Herald	69
CFBO	St. John, N. B.	(500) C. A. Munro, Ltd.	89
CFCA	Toronto, Ont.	(500) Star Pub. & Ptg. Co.	112
CFCF	Montreal, Que.	(500) Canadian Marconi Co.	103
CFCH	North Bay, Ont.	(100) Northern Supplies, Ltd.	9
CFCN	Calgary, Alta.	(10,000) W. W. Grant and H. G. Love	99
CFCO	Chatham, Ont.	(250) John Beardall	121
CFCT	Victoria, B. C.	(50) Victoria Broadcasting Assn.	63
CFCY	Charlottetown, P.E.I.	(500) Island Radio Broadcasting Co.	58
CFJC	Kamloops, B. C.	(100) D. S. Daigleish & Sons, Ltd.	112
CFLC	Prescott, Ont.	(100) Radio Association of Prescott	9
CFNB	Fredericton, N. B.	(50) James S. Neill & Sons, Ltd.	121
CFQC	Saskatoon, Sask.	(500) The Electric Shop, Ltd.	91
CFRB	Toronto, Ont.	(10,000) Rogers Majestic Corp., Ltd.	69
CFRC	Kingston, Ont.	(50) Queen's University	93
CHCH	Montreal, Que.	(100) Montreal Radio Corp.	120
CHCK	Charlottetown, P.E.I.	(100) W. E. Burke & J. A. Gesser	96
CHCS	Hamilton, Ont.	(500) The Hamilton Spectator	63
CHGS	Summerside, P.E.I.	(500) R. T. Holman, Ltd.	112
CHLS	Vancouver, B. C.	(100) W. G. Hassell	73
CHMA	Edmonton, Alta.	(250) Christian & Missionary Alliance	58
CHML	Hamilton, Ont.	(50) Maple Leaf Radio Co., Ltd.	88
CHNC	Toronto, Ont.	(5000) Canadian Nat. Carbon Co., Ltd.	84
CHNS	Halifax, N. S.	(500) Maritime Broadcast Co., Ltd.	82
CHRC	Quebec, Que.	(100) CHRC Limited	65
CHWC	Regina, Sask.	(500) R. H. Williams & Sons, Ltd.	96

Call	Location	Owner	Watts	Channel
CHWK	Chilliwack, B. C.	(100) Chilliwack Broadcasting Co., Ltd.	67	
CHYC	Montreal, Que.	(5000) Northern Electric Co., Ltd.	73	
CJBC	Toronto, Ont.	(5000) Jarvis Street Baptist Church	84	
CJCA	Edmonton, Alta.	(500) The Edmonton Journal, Ltd.	75	
CJCB	Sydney, N. S.	(50) N. Mathanson	88	
CJCJ	Calgary, Alta.	(500) The Albertan Pub. Co., Ltd.	69	
CJGC	London, Ont.	(5000) London Free Press & Ptg. Co.	91	
CJGX	Yorkton, Sask.	(500) The Winnipeg Grain Exchange	63	
JLP	Montreal, Que.	(100) La Patrie Pub. Co., Ltd.	120	
CJOC	Lethbridge, Alta.	(100) Harold R. Carson	112	
CJOR	Vancouver, B. C.	(500) G. C. Chandler	121	
CJRM	Moose Jaw, Sask.	(500) Jas. Richardson & Sons, Ltd.	67	
CJRW	Winnipeg, Man.	(500) Jas. Richardson & Sons, Ltd.	67	
CKAC	Montreal, Que.	(5000) La Presse Pub. Co., Ltd.	73	
CKCD	Vancouver, B. C.	(100) Vancouver Daily Province	73	
CKCI	Quebec, Que.	(100) Le "Soleil" Ltd.	65	
CKCK	Regina, Sask.	(500) Leader-Post Limited	96	
CKCL	Toronto, Ont.	(500) The Dominion Battery Co.	58	
CKCO	Ottawa, Ont.	(100) Dr. G. M. Geldert	89	
CKCR	Waterloo, Ont.	(100) W. C. Mitchell and G. Liddle	65	
CKCV	Quebec, Que.	(50) Vandy, Inc.	88	
CKFC	Vancouver, B. C.	(50) United Church of Canada	73	
CKGW	Toronto, Ont.	(5,000) Gooderham & Werts, Ltd.	84	
CKIC	Wolfville, N. S.	(50) Acadia University	101	
CKLC	Red Deer Alta.	(1000) Alberta Pacific Grain Co., Ltd.	84	
CKMC	Cobalt, Ont.	(100) R. L. MacAdam	121	
CKMO	Vancouver, B. C.	(100) Sprott-Shaw Radio Co.	73	
CKNC	Toronto, Ont.	(500) Canadian Natl. Carbon Co., Ltd.	96	
KOC	Hamilton, Ont.	(500) Wentworth Broadcast Co., Ltd.	63	
CKOK	Windsor, Ont.	(1000) Essex Broadcasters, Ltd.	54	
CKOV	Kelowna, B. C.	(100) J. W. B. Browne	120	
CKPC	Preston, Ont.	(100) Cyrus Dolph	88	
CKPR	Fort William, Ont.	(100) Dougall Motor Car Co., Ltd.	89	
CKTB	St. Catharines, Ont.	(500) Taylor and Bate, Ltd.	63	
CKUA	Edmonton, Alta.	(500) University of Alberta	58	
CKWX	Vancouver, B. C.	(100) Western Broadcasting Company	73	
CKX	Brandon, Man.	(500) Manitoba Telephone System	93	
CKY	Winnipeg, Man.	(5000) Manitoba Telephone System	78	
CNRA	Moncton, N. B.	(500) Canadian National Railways	63	
CNRH	Halifax, N. S.	(500) Canadian National Railways	82	
CNRO	Ottawa, Ont.	(500) Canadian National Railways	60	
CNRV	Vancouver, B. C.	(500) Canadian National Railways	103	
CPRY	Toronto, Ont.	(5000) Canadian Pacific Railway Co.	84	
VAS	Glace Bay, N. S.	(2000) Canadian Marconi Company	69	

ALPHABETICAL CALL LIST (CUBA) | ALPHABETICAL CALL LIST (Mexico)

Call	Location	Owner	Watts	Channel
<b>CUBA</b>				
CMAB	Pinar del Rio	Jose Silveira	(20)	125
CMBC	Havana	Domingo Fernandez	(150)	97
CMBD	Havana	Luis Perez Garcia	(150)	97
CMBG	Havana	John L. Stowers	(225)	107
CMBI	Havana	Francisco Mayorquin	(30)	144
CMBL	Havana	Julio C. Hidalgo	(20)	144
CMBN	Havana	Armando Romeu	(30)	144
CMBQ	Marianao	Gall-Sardinas	(50)	150
CMBR	Arroyo Apolo	Tomas Basali	(15)	150
CMBS	Havana	Enrique Artalejo	(150)	79
CMBT	Havana	Emilio Perera	(150)	79
CMBW	Havana	Alvarez-Moris	(150)	114
CMBY	Havana	Callejas-Estefani	(350)	124
CMBZ	Havana	Manuel y Guillermo Safas	(150)	101
CMC	Havana	Cuban Telephone Co.	(500)	84
CMCA	Havana	Manuel Cruz	(150)	124
CMCB	Havana	Antonio Capabianca	(150)	107
CMCD	Havana	Angel Bertematy	(250)	93
CMCF	Havana	Raoul Karman	(250)	89
CMCG	Guanabacoa	Jose Justo Moran	(30)	140
CMCH	Havana	Willfredo Fontanals	(20)	140
CMCJ	Havana	Rafael Rodriguez	(250)	63
CMCM	Havana	Martinez-Madico	(15)	140
CMCN	Marianao	Antonio Ginard	(250)	93
CMCO	Marianao	John L. Stowers	(250)	66
CMCQ	Havana	Andrez Martinez	(1000)	114
CMCR	Havana	Aurelio Hernandez	(150)	135
CMCU	Havana	Jorge Garcia Serra	(150)	127
CMCW	Marianao	Jose Lorenzo	(150)	127
CMCY	Havana	M. D. Autran	(250)	135
CMDB	Havana	Julio Powers	(40)	140
CMDC	Marianao	Juan Fernandez de Castro	(500)	66
CMGA	Colon	Leopoldo V. Figueroa	(100)	83
CMGB	Matanzas	Jose Anorga	(7.5)	121
CMGC	Matanzas	Oscar S. Mechoso	(30)	82
CMGE	Cardenas	Genaro Sabater	(30)	138
CMSF	Matanzas	Bernabe R. de la Torre	(50)	99
CMGH	Matanzas	Alberto Alvarez	(150)	104
CMHC	Tuinucu	Frank H. Jones	(250)	79
CMHD	Caibarien	Manuel Alvarez	(250)	95
CMHI	Santa Clara	Laviz y Paz	(30)	103
CMHJ	Cienfuegos	Arturo Hernandez	(40)	113
CMJC	Camaguey	Feliciano Isaaq	(75)	138

Call	Location	Owner	Watts	Channel
CMJE	Camaguey	Manuel Fernandez	(20)	86
CMJG	Camaguey	Jose Antonio Lefran	(50)	105
CMJF	Camaguey	John L. Stowers	(225)	93
CMJH	Ciego de Avila	Luis Marauri	(15)	102
CMJI	Ciego de Avila	Gilberto Gesso	(5)	126
CMJL	Camaguey	Enrique Artimes	(50)	96

Call	Location	Owner	Watts	Channel
TIGP	San Jose, Costa Rica		(75)	67
TIRC	San Jose, Costa Rica		(30)	118
TISO	San Jose, Costa Rica		(50)	60
TITR	San Jose, Costa Rica		(75)	133
TITV	San Jose, Costa Rica		(8)	100
TIVL	San Jose, Costa Rica		(30)	86

Call	Location	Owner	Watts	Channel
<b>MEXICO</b>				
XEA	Guadalajara, Jal.	Alberto Potos Sauza	(100)	100
XEB	Mexico City, Mex.	El Buen Tono S/A	(1000)	103
XEC	Toluca, Mex.	Jesus R. Benevides	(50)	133
XED	Reynosa, Tamps.	Cia Intern. Difusora de Reynosa	(10,000)	97
XEE	Oaxaca, Mex.	Alfonzo Zorrilla B.	(105)	100
XEFA	Mexico City, Mex.	Manuel F. Murgula	(250)	125
XEFB	Monterrey, Mex.	Quintanilla y Stevenson	(50)	127
XEFC	Merida, Yuc.	Hugo Molina Font	(10)	105
XEFD	Tia Juana, Mex.	Carlos G. Caballero	(300)	102
XEFE	Nuevo Laredo	Rafael T. Carranza	(100)	100
XEFI	Chihuahua, Mex.	Feliciano Lopez Islas	(100)	100
XEFS	Queretero, Mex.	Salvador Sanchez	(40)	100
XEG	Mexico City, Mex.	Miguel Yarsa	(100)	108
XEH	Monterey, N. L.	Constantino de Tarnava, Jr.	(1000)	113
XEI	Morelia, Mich.	Carlos Gutierrez	(100)	100
XEJ	C. Juarez, Chih.	Juan B. Buttner	(100)	100
XEK	Mexico City, Mex.	Arturo Martinez	(100)	99
XEL	Saltillo, Coah.	Antonio Garza Castro	(10)	100
XEM	Mexico City, Mex.	Maria T. de Gutierrez	(250)	130
XEN	Mexico City, Mex.	Cerveceria Modelo S/A	(1000)	71
XED	Mexico City, Mex.	Partida Nacional Revol.	(5000)	94
XEP	Nuevo Laredo	Asociacion Radiofusoria S/A	(200)	140
XEQ	C. Juarez, Chih.	Feliciano Lopez Islas	(5000)	75
XER	Villa Acuna	Cia. Radidif. de V. Acuna, S. A.	(75,000)	74
XES	Tampico, Tamps.	Emilio Balli	(500)	89
XET	Monterey, N. L.	Mexico Music Co.	(500)	69
XETA	Mexico City, Mex.	Manuel Espinosa Tagle	(500)	114
XETB	Torreon, Mex.	Jose A. Berumen	(125)	138
XETC	Jalapa, Mex.	Juvenino Sanchez	(100)	100
XETF	Vera Cruz, Vera Crz	Manuel Angel Fernandez	(500)	63
XETG	Torreon, Mex.	Feliciano Lopez Islas	(100)	100
XETQ	Mexico City, Mex.	Carlos Caballero	(100)	123
XETZ	Coyoacan, D. F.	Manuel Zetina	(100)	150
XEU	Vera Cruz, Vera Crz	Fernandez Pazos	(100)	100
XEV	Puebla, Pueb.	Ciro Molino	(100)	100
XEW	Mexico City, Mex.	Mexico Music Co.	(5000)	91
XEX	Mexico City, Mex.	Excelsior (Newspaper)	(500)	121
XEY	Merida, Yuc.	Partido Socialista del Sureste	(105)	100
XEZ	Mexico City, Mex.	Joaquin Capilla	(500)	78
XFC	Aguaascalientes	State of Aguaascalientes	(350)	81
XFF	Chihuahua, Chih.	State of Chihuahua	(500)	92
XFG	Mexico City, Mex.	Ministry of War	(2000)	64
XFI	Mexico City, Mex.	Ministry of Industry	(1000)	82
XFX	Mexico City, Mex.	Ministry of Education	(500)	98

Official North America  
Call Letters Designated  
By International Union

- United States ..... K, W and N
- Canada:  
CFA-CKZ, UWA-UZZ, VAA-VGZ
- Cuba ..... CLA-CMZ
- Mexico ..... XAA-XFZ
- Costa Rica ..... TIA-TIZ
- Haiti ..... HHA-HHZ
- Newfoundland ..... VOA-VOZ
- Honduras ..... HRA-HRZ
- Salvador ..... RUS
- Dominican Republic ..... HIA-HIZ
- Alaska ..... K, W and N
- Hawaii ..... K, W and N
- Porto Rico ..... K, W and N

CMK	Havana	Cia Nacional de Radio	(3150)	73
CMKC	Santiago de Cuba	Pinol, Battle y Compania	(150)	103
CMKJ	Guantanamo	Luis Morlote	(20)	130
CMQ	Havana	Jose Fernandez	(250)	63
CMW	Havana	Troncoso-Gil	(1400)	59
CMX	Havana	Francisco Lavin	(500)	89
<b>NEWFOUNDLAND</b>				
VOGT	Bell Island	Rev. E. J. Rawlins, P. P.		89
VOHA	St. Johns	Radio Assoc. of Newfoundland		95
VOWR	St. Johns	Wesley United Church	(500)	68
VOX	St. Johns	R. G. Reid, Inc.		140
VOBRA	St. Johns		(25)	95
<b>COSTA RICA</b>				
TICR	San Jose, Costa Rica		(75)	91
TIEA	San Jose, Costa Rica		(8)	83
TIEP	San Jose, Costa Rica		(8)	145
TIFB	San Jose, Costa Rica		(30)	71
TIFS	Cartago, Costa Rica		(8)	144
TIGA	Cartago, Costa Rica		(30)	101

TIXA	San Jose, Costa Rica		(8)	61
<b>DOMINICAN REP.</b>				
HIX	Santo Domingo		(1000)	67
<b>EL SALVADOR</b>				
RUS	San Salvador		(500)	66
<b>HAITI</b>				
HHK	Port au Prince		(1000)	92
<b>ALASKA</b>				
KFQD	Anchorage, Alaska	Anchorage Radio Club, Inc.	(250)	123
KGBU	Ketchikan, Alaska	Alaska Radio & Service Co., Inc.	(500)	90
<b>HAWAII</b>				
KGU	Honolulu, T. H.	Marion A. Mulreny Pub. Co.	(2500)	75
KGMB	Honolulu, T. H.	Honolulu Broado. Co., Ltd.	(250)	132
<b>HONDURAS</b>				
HRB	Tegucigalpa		(2300)	137
JRL	San Pedro Sula		(8)	135
<b>PORTO RICO</b>				
WKAQ	San Juan, P. R.	Radio Corp of Porto Rico	(1000)	124

# World Radio

The following three pages are a complete listing of all long wave broadcasting stations of the world (except those in North America) by countries and cities, with call, power and frequency.

## South America

City Call Power Kilo. City Call Power Kilo.

### ARGENTINA

Bahia Blanca, LU2 (500) .....	789
Buenos Aires, LP6 (.....) .....	590
LP4 (5000) .....	670
LS1 (5000) .....	710
LR7 (7000) .....	750
LR1 (500) .....	790
LR5 (500) .....	830
LR2 (10,000) .....	870
LR6 (5000) .....	990
LR3 (5000) .....	950
LR4 (10,000) .....	990
LR9 (10,000) .....	1030
LS5 (10,000) .....	1069
LR8 (10,000) .....	1150
LS2 (10,000) .....	1190
LS8 (10,000) .....	1229
LS3 (1000) .....	1270
LS6 (3000) .....	1349
LS9 (10,000) .....	1388
Concordia, LT1 (1000) 810	
LT2 (400) .....	1360
Cordova, LV2 (1000) .....	911
Gen. Pico, LT7 (1000) .....	1441
La Plata, LT8 (1000) .....	685
Mar del Plata, LU1 (100) .....	1414
Mendoza, LT4 (500) .....	759
Parana, LT5 (500) .....	1249
Rosario, LT3 (2000) .....	1080
LT9 (100) .....	1075
LV5 (500) .....	1388
San Juan, LT6 (5000) .....	730
Tacuman, LV7 (500) .....	881
Villaguay, LP2 (65) .....	1140

### BRAZIL

Ampara, PRAM (50) .....	638
Bahia, PRAH (50) .....	674
Bello Horizonte, PRAQ (.....) .....	1090
Campinas (20) .....	1170
Curityba, PRAN (50) .....	882
Franca, PRAZ (50) .....	1110
Juiz de Fora, PRAJ (200) .....	857
Mogy d'Cruce, PRAY (50) .....	1000
Para, PRAF (250) .....	842
Pelotas, PRAD (50) .....	920
Pernambuco, PRAP (3000) .....	706
Porto Alegre, PRAG (3000) .....	706
Ribeirao Preto, PRAI (10) .....	1070
Rio de Janeiro, PRAA (1000) .....	750
PRAB (500) .....	937
PRAC (500) .....	857
PRAK (1000) .....	1153
PRAJ (1000) .....	1364
Santos, PRAS (1000) .....	887
Sao Paulo, PRAE (1000) 815	
PRAR (500) .....	1006

### BOLIVIA

La Paz, CPX (1000) .....	1350
--------------------------	------

### CHILE

Santiago, CMAB (1000) 625	
CMAC (1000) .....	804
CMAO (250) .....	1016
CMAQ (100) .....	1224
CMAK (100) .....	1333
Valparaiso, CMAJ (100) .....	1034

### COLOMBIA

Bogota, HJN (2000) .....	685
HKF (.....) .....	1034

### PARAGUAY

Asuncion, ZPI (.....) .....	1363
-----------------------------	------

### PERU

Arequipa, OA6U (20) .....	1764
Lima, OAX (1500) .....	790
OA4M (12) .....	1428

### URUGUAY

Montevideo, CX6 (1000) 650	
CX10 (1000) .....	730
CX12 (500) .....	770
CX14 (1000) .....	810
CX16 (.....) .....	850
CX18 (250) .....	890
CX20 (2000) .....	930
CX22 (250) .....	970
CX24 (1000) .....	1010
CX26 (2000) .....	1050
CX30 (250) .....	1130
CW30 (.....) .....	1140
CX32 (200) .....	1170
CW32 (.....) .....	1180
CX34 (500) .....	1210
CW34 (.....) .....	1220
CX36 (250) .....	1250
CW36 (.....) .....	1260
CX38 (100) .....	1290
CW38 (.....) .....	1300
CX40 (100) .....	1330
CW40 (.....) .....	1340
CX42 (500) .....	1370
CX44 (20) .....	1410
CX46 (100) .....	1450
CX48 (50) .....	1490
Paysando, CW40 (30) .....	1340
CW44 (30) .....	1420
Salto, CW32 (30) .....	1180
CW34 (50) .....	1220
CW36 (30) .....	1260
CW38 (30) .....	1300
Tacuarembó, CW30 (20) .....	1140
CW46 (20) .....	1460

### VENEZUELA

Caracas, YVIBC (.....) 960	
----------------------------	--

# Australia

City Call Power Kilo. City Call Power Kilo.

Adelaide, VK5CL (5000) 730		Melbourne	
VK5DN (500) .....	960	VK3DB (500) .....	1180
VK5AD (1000) .....	1310	VK3KZ (200) .....	1350
VK5KA (1000) .....	1200	VK3AW (500) .....	1430
Albury, VK2AY (50) .....	1480	VK3AK (50) .....	1500
Ballarat, VK3BA (50) .....	1300	Moss Vale, VK2MV (50) .....	1220
Bendigo, VK3BO (200) .....	970	Newcastle, VK2HD (200) .....	1110
Brisbane, VK4QG (5000) 760		VK2NC (2000) .....	1245
VK4BC (600) .....	1145	VK2KO (200) .....	1415
VK4BK (200) .....	1290	Perth, VK6WF (5000) .....	690
VK4BH (1000) .....	1380	VK6PR (200) .....	880
Broken Hill, VK2XL (50) .....	1365	VK6ML (300) .....	1135
Canberra, VK2CA (50) 1050		Port Pirie, VK5PI (50) 1041	
Corowa, VK2CO (7500) 560		Rockhampton, VK4RK (2000) .....	910
Crystal Brook, VK5CK (7500) .....	720	Swan Hill, VK3SH (50) 1080	
Elwood, VK3EF (50) .....	1250	Sydney, VK2FC (5000) .....	665
Geelong, VK3GL (50) .....	1400	VK2BL (5000) .....	885
Gouldburn, VK2GN (50) 1390		VK2GB (3000) .....	950
Gunnedah, VK2MA (50) 1330		VK3BO (200) .....	970
Hamilton, VK3HA (300) .....	1010	VK2UE (250) .....	1025
Hobart, VK7ZL (3000) .....	580	Sydney, VK2KY (150) .....	1070
VK7HO (50) .....	890	VK2UW (500) .....	1125
Kalgoorlie, VK6KG (100) .....	1220	VK2SM (3000) .....	1270
Launceston, VK7LA (200) .....	1100	VK2CH (1000) .....	1300
Lismore, VK2XN (50) .....	1340	Toowoomba, VK4GR (50) .....	1000
Mackay, VK4MK (100) 1190		Townsville, VK4TO (200) .....	1170
Melbourne, VK3AR (5000) .....	610	Trafalgar, VK3TR (50) 1280	
VK3LO (5000) .....	800	Wangaratta, VK3WR (50) .....	1260
VK3UZ (500) .....	930	Wollongong, VK2WL (50) .....	1435
VK3YB (25) .....	1145		

## NEW ZEALAND

Auckland, XL1YA (500) 910		Hastings, ZL2ZI (15) .....	1330
ZL1ZB (18) .....	1090	ZL2ZL (20) .....	1330
ZL1ZR (70) .....	1090	Hamilton, ZL1ZH (45) .....	600
ZL1ZQ (25) .....	1190	Inchclutha, ZL4ZR (4) 1340	
ZL1ZJ (26) .....	1320	Invercargill, ZL4ZI (8) 1160	
ZL1ZS (5) .....	1420	ZL4ZP (16) .....	1160
Christchurch, ZL3YA, (500) .....	980	Manerewa, ZL1ZM (40) 1210	
ZL3AC (250) .....	1200	Masteron, ZL2ZD (25) 1180	
Dannevirke, ZL2ZU (8) 1100		Napier, ZL2ZV (25) .....	1260
Dunedin, ZL4YA (500) .....	650	ZL2ZH (100) .....	1260
ZL4ZB (20) .....	1080	ZL2ZB (8) .....	1280
ZL4ZM (45) .....	1080	New Plymouth, ZL2YB (100) .....	1230
ZL4ZF (7) .....	1080	Palmerston North, ZL2ZF (50) .....	1050
ZL4ZO (30) .....	1080	ZL2ZO (10) .....	1050
ZL4ZW (50) .....	1080	Wairoa, H. B., ZL2ZP (33) .....	820
ZL4ZL (180) .....	1220	Wanganui, ZL2ZK (120) 600	
Eketahuna, ZL2ZE (110) .....	1210	Wellington, ZL2YA (5000) .....	720
Gisborne, ZL2ZJ (20) .....	1150	ZL2ZW (400) .....	1120
ZL2ZM (110) .....	1150		
Greymouth, ZL3ZR (20) 820			
ZL3ZE (45) .....	820		

# Africa

### ALGERIA

Algiers, (13,000) .....	825
-------------------------	-----

### CANARY ISLANDS

Las Palmas, EAR5 (500) .....	1071
------------------------------	------

### KENYA

Nairobi, VQ7LO (1000) 750	
---------------------------	--

### MOROCCO

Casablanca, CNO (2500) 893	
Rabat (6000) .....	721

### SOUTH AFRICA

Bloemfontaine (750) .....	588
Cape Town, ZTC (1000) 800	
Durban, ZTD (1000) .....	731
Johannesburg, ZTJ (1500) .....	667
JB (10,000) .....	667
Pretoria (50) .....	1000

### TUNISIA

Carthage, TNV .....	162
Tunis, TUA (500) .....	235
Kasbah (500) .....	222

**ENGLAND**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Aberdeen, Belfast, Bournemouth, Cardiff, Daventry, Dundee.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Edinburgh, Glasgow, London National, London Regional, Midland Regional, Newcastle.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for North National, North Regional, Plymouth, Scottish Regional, Swansea.

**FRANCE**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Angers, Beziers, Biarritz, Bordeaux, Caen, Fecamp, Grenoble, Lille, Lyon, Paris.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Limoges, Marseille, Mont-de-Marsan, Montpellier, Nice, Nimes, Paris, Strasbourg, Toulon, Toulouse.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Radio-Juan-les-Pin, Radio-Paris, Radio-Vitus, Rennes, Rheims, St. Etienne, St. Quentin, Strasbourg, Toulon, Toulouse.

**BELGIUM**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Andre, Antwerp, Brussels, Liege, Lucas, Masson, Ottom't, Philips, Radio Belgique.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for DeCaluwe, Ghent, Houben, Keups, Liege, Lucas, Masson, Ottom't, Philips, Radio Belgique.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Radio Conference, Radio Gand, Radio Liege, Radio Shaerbeek, Verviers, Radio-Wallonie.

**SWEDEN**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Boden, Boras, Eskilstuna, Falun, Gavle, Goteborg, Halmstad, Helsingb'g, Horby, Hudiksvall.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Jonkoping, Kalmar, Karlskrona, Karlstad, Kiruna, Kristinehamn, Malmerget, Malmo, Motala, Norrkoping.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Orebro, Ornsk'v'lk, Ostersund, Saffle, Stockh'm, Sundsdall, Trollhattan, Uddevalla, Umea, Uppsala, Varberg.

**PORTUGAL**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Lisbon, CT1AA, CT1AN.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for CT1BO, CT1DH, CT1EB.

**SPAIN**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Almeria, Barcelona, Cadiz.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Cartagena, Madrid, Ovideo.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Salamanca, San Sebastian, Seville, Valencia.

**SWITZERLAND**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Basel, Berne, Berominstar.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Berne, Geneva.

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Lausanne, Mount Ceneri, Sottens, Zurich.

**EUR**

Table header for EUR section: City, Call, Power, Kilo.

**AUSTRIA**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Graz, Innsbruck, Klagenfurt, Linz, Salzburg, Vienna.

**BULGARIA**

Table with 4 columns: City, Call, Power, Kilo. Includes entry for Sofia.

**CZECHO-SLOVAKIA**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Bratislava, Brno, Kosice, Moravaka-Ostrava, Prague.

**DENMARK**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Copenhagen, Kallundborg, Skamlebak, Sorø.

**DANZIG**

Table with 4 columns: City, Call, Power, Kilo. Includes entry for Danzig.

**HUNGARY**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Budapest, Csepel, Lakihegy.

**IRISH FREE STATE**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Cork, Dublin.

**AS**

**BRITISH COLONIES**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Victoria, ZBW.

**CEYLON**

Table with 4 columns: City, Call, Power, Kilo. Includes entry for Colombo.

**CHINA**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Canton, Hangchow, Harbin, Mukden, Nanking, Peiping, Peking, Shanghai, XGHA, XGZ, KSMS, XCBL, RSC, Tientsin, COTN, XOL.

**FORMOSA**

Table with 4 columns: City, Call, Power, Kilo. Includes entry for Taihoku.

**INDIA**

Table with 4 columns: City, Call, Power, Kilo. Includes entries for Bombay, Calcutta, Lahore, Madras, Rangoon.

# OPE

City	Call	Power	Kilo.
<b>ESTONIA</b>			
Tallinn	(10,000)		1013
	(100)		250
	(11,000)		1004
Tartu	(500)		644
	(2200)		735
<b>ICELAND</b>			
Reykjavik	TFU (21,000)		250
TFA	(500)		1200
<b>LUXEMBURG</b>			
Luxemburg	LOAA (10,000)		1344
<b>LITHUANIA</b>			
Kaunas	RYK (7000)		155
<b>LATVIA</b>			
Riga	YLZ (15,000)		572
<b>ROMANIA</b>			
Bucharest	(12,000)		759
	(12,000)		761
<b>REUNION</b>			
Radio S. Denis	(.....)		600
<b>TURKEY</b>			
Ankara	TAE (7000)		193
	(7000)		195
Istanbul	TAL (500)		250
<b>YUGOSLAVIA</b>			
Belgrade	(2500)		697
Ljubljana	(3000)		569
Zagreb	(700)		977

# IA

<b>JAPAN</b>			
Dairen	JQAK (1000)		759
Fukuoka	JOLK (500)		680
Hiroshima	JOFK (10,000)		850
Kanazawa	JOJK (300)		710
Keijo	JODK (1000)		690
Kokura	JOSK (1000)		741
Kumamoto	JOGK (10,000)		790
Nagano	JONK (500)		635
Nagoya	JOCK (10,000)		810
Niigata	JOJK (500)		625
Okayama	JOKK (500)		700
Osaka	JOBK (10,000)		750
Sapporo	JOJK (10,000)		830
Sendai	JOHK (10,000)		760
Shizuoka	JOPK (500)		780
Taihoku	JFAK (1000)		901
Tokio	JOAK (10,000)		670
<b>PHILIPPINE ISL.</b>			
Cebu	KZRC (.....)		1300
Manila	KZRM (.....)		625
	KZKZ (.....)		1110
	KZIB (.....)		1153
<b>SAMOA</b>			
Apia	5ZA (.....)		940
<b>SIAM</b>			
Bangkok	HSP1 (2500)		856
	H87PJ (.....)		923
	HSP3 (.....)		937
Sala Daeng	HS11PJ (400)		882

# GERMANY

City	Call	Power	Kilo.	City	Call	Power	Kilo.	City	Call	Power	Kilo.
Aachen	(300)		1319	Flensburg	(600)		1373	Konigsberg	(1700)		1085
Aix la Chapelle	(300)		1319	Frankfurt	(1700)		770		(600)		1382
Augsberg	(250)		536	Freiburg	(300)		527		(60,000)		184
Berlin	(1700)		716	Gleiwitz	(5600)		1157	Langenberg	(60,000)		635
	(35,000)		1635		(5000)		1184	Leipzig	(2300)		1184
	(600)		1058	Hamburg	(1700)		806		(2000)		1157
Bremen	(300)		950	Hellsberg	(60,000)		1085	Magdeburg	(600)		1058
	(250)		1112	Hanover	(300)		530	Muenster	(600)		1319
Breslau	(1700)		923	Kaiserslautern	(1500)		536	Muhlacker	(.....)		833
Cassel	(250)		1220		(300)		1112	Munich	(1700)		563
Cologne	(1700)		1319	Kassel	(300)		1220	Nurnberg	(2300)		1256
Dresden	(300)		941	Kiel	(300)		1292	Stettin	(600)		1058
								Stuttgart	(60,000)		832

# SOVIET RUSSIA

Achkhabad	RW19 (4000)		334	Leningrad	RW3 (20,000)		300	Piatigorsk	RW24 (1200)		865
Alma-Ata	RW60 (10,000)		310		RV36 (1200)		856	Pokrovsk	RW55 (1000)		730
Arkhangelsk	RW36 (10,000)		770		RW53 (100,000)		300	Rostov	RW12 (4000)		354
Armavir	RV50 (1000)		587	Makhatch Kala	RW27 (1000)		796		(4000)		271
Artemovsk	RV25 (1200)		811	Minsk	RW10 (4000)		429	Samara	RW16 (1200)		522
Astrakhan	RW35 (1000)		435	Moscow	RW39 (300)		793	Samark'd	RW18 (2000)		343
Bakou	RW8 (10,000)		238		RW1 (100,000)		203	Saratov	RA32 (200)		714
	RW43 (1200)		238		RW58 (40,000)		269		RW3 (.....)		340
Bogorodsk	RA8		700		(1200)		604	Sevastopol	RA9 (250)		375
Dneipropetrovsk	RW30 (4000)		511		RW37 (1000)		793		(1200)		630
Erlvan	RV21 (4000)		343		RW2 (20,000)		417	Simferop'l	RW52 (4000)		630
Gomel	RW40 (1200)		621		RW49 (100,000)		230	Smolensk	RW24 (2000)		531
Groznyi	RW23 (1200)		636	Nalchik	RW51 (1200)		748	Stalino	RW26 (1200)		810
Imeni Pop	RV58 (8000)		273	Nizhni-N.	RW42 (1800)		394	Stalinabad	RW47 (.....)		421
Irkutsk	RW14 (10,000)		188		(20,000)		599	Stavropol	RW32 (1200)		608
Ivanovo-Vosnesensk	RW31 (1200)		604	Nikolaev	RW43 (.....)		820	Stchelikovo	RV49 (.....)		320
	Karaganda	RW46 (.....)	687	Novoros'k	RA33 (4000)		268	Sverdlovsk	RW38 (.....)		157
	Kazan	RW17 (1000)	551		RA33 (4000)		238		RW5 (36,000)		364
	Khabarovsk	(500)	1053	Odessa	RW13 (4000)		666		RV53 (.....)		541
	Kharkov	RW4 (16,000)	320	Omsk	RW44 (1200)		472	Tashk't	RW11 (25,000)		256
		RV20 (20,000)	320	Orenburg	RW45 (1000)		462		RW47 (2000)		421
		RW20 (4000)	704	Ufa	RW22 (2000)		444	Tiflis	RW7 (10,000)		280
		Kiev	RW9 (10,000)	Oukhta	RW67 (.....)		354	Tiraspol	RW57 (4000)		842
			368	Penza	RW56 (1200)		640	Tomsk	RW48 (1200)		845
			290	Petrozav'k	RW29 (1200)		469	Tver	RA44 (1200)		690
			521		(2000)		385	Ulyanovsk	RA51 (20)		600
			650		RW46 (1200)		687	Veliki O.	RW41 (1200)		560
								Vladivost'k	RW28 (300)		636
								Vologda	RA41 (1200)		338
								Voronezh	RW25 (3000)		386

# NORWAY

Aalesund	LKA (350)		671	Fredrikstad	LKF (700)		815	Rjukan	LKR (150)		671
Bergen	LKB (1000)		824	Hamer	LKH (800)		511	Stavanger	LKS (500)		1247
Bodo	LKD (500)		662	Notodden	LKN (80)		671	Tromso	LKM (100)		662
Christiansand	LKK (500)		1274	Oslo	LKO (60,000)		277	Trondelag	LKT (500)		662
				Porsgrund	LKP (700)		662	Trondheim	(1200)		608

# HOLLAND

Amst'rd'm	PFBI (7000)		1004	The Hague	(350)		1000	Huizen	(8500)		160
	PH9 (.....)		1004	Hilversum	(1350)		280	Scheveningen	PCF (2000)		280
Bloemendaal	(.....)		1220		(20,000)		1013				

# POLAND

Krakow	SP3 (.....)		530	Lwow	SP6 (200)		779	Poznan	SP2 (350)		875
	(1500)		959		(16,000)		788		(1900)		896
Katowice	SP4 (16,000)		710	Warsaw	(120,000)		213	Wilno	(16,000)		533
	(16,000)		734		(25,000)		203		SP5 (.....)		690
Lodz	SP7 (.....)		1229		SP1 (.....)		270		(500)		779
	(2000)		1283		SP8 (1900)		1400				

# ITALY

Bolzano	1BZ (200)		662	Milan	IMI (8500)		599	Rome	I1RO (50,000)		680
	IBZ (1000)		815		(7000)		905	Trieste	I1TR (15,000)		1211
Florence	IF1 (20,000)		599	Naples	INA (1500)		941	Turin	(8500)		1013
Genoa	IGE (10,000)		959	Palermo	I1PA (4000)		554		(7000)		1096

# FINLAND

Abo	(.....)		1220	OFA	(.....)		1355	Tampere	OFE (.....)		662
Bjorneborg	(1500)		1220	Jakobstad	(750)		1220		(1000)		1031
	(700)		1373		OFC (250)		1031	Turku	OFG (600)		1220
Helsingfors	(10,000)		940	Lahti	OFB (40,000)		167	Viborg	OFH (1500)		1031
	(13,200)		815	Porl	OFD (.....)		1373				

# Rapid Station Finder

Excepting those of 100 watts power and less, this double page chart contains broadcasting the stations of the entire world, listed in order of frequency, for easy finding. The super-power stations of 50,000 watts and more are printed in large, heavy type.

## 1-500

- 155 RYK, Kaunas, Lithuania...7
- 157 RW38, Sverdlovsk, Russia...20
- 160 Huizen, Holland...8
- 167 OFB, Lahti, Finland...40

### FCFR

174, Radio-Paris, France, 75

174 Paris, France...13

### ZEEZAN

184, Zeezan, Germany, 60

- 188 RW14, Irkutsk, Russia...10
- 193 GSXX, Aankra, Eng...30
- 195 Davera, Turkey...7

### RW1

203, Moscow, Russia, 100

- 203 Warsaw, Poland...25
- 206 Paris, France...13

### WARSAW

213, Warsaw, Poland, 120

- 222 S8G, Metala, Sweden...30
- 222 Kasbah, Tunisia...5
- 224 Basel, Switzerland...5

### RW49

230, Moscow, Russia, 100

- 235 TUA, Tunis, Tunisia...5
- 236 RW8, Novosibirsk, Russia...4
- 238 RA53, Novosibirsk, Russia...4
- 238 RW43, Bakou, Russia...1
- 238 RW8, Bakou, Russia...10
- 244 SBE, Boden, Sweden...9
- 250 TAL, Istanbul, Turkey...5
- 250 TFU, Reykjavik, Iceland...21
- 256 RW11, Tashkent, Russia...25
- 260 RA33, Novosibirsk, Russia...4
- 260 RW58, Moscow, Russia...40
- 271 Rostov, Russia...4
- 273 RV58, Imenoi, Poland...8

### LKO

277, Oslo, Norway, 60

- 280 Hilversum, Holland...1
- 280 RW7, Tiflis, Russia...10
- 290 PCF, Scheveningen, Hol...2
- 287 Basel, Switzerland...3
- 290 RW9, Kiev, Russia...36
- 300 RW3, Leningrad, Russia...20

### RW53

300, Leningrad, Russia, 100

- 309 Sorø, Denmark...2
- 310 RW60, Alma-Ata, Russia...10

### RV49

320, Stehlikovo, Russia, 100

- 320 RV20, Kharkov, Russia...20
- 320 RW4, Kharkov, Russia...16
- 324 LKB, Bergen, Norway...1
- 334 RW19, Achkhabad, Russia...4
- 338 RA41, Volodga, Russia...1
- 340 RW3, Saratov, Russia...20
- 348 RW18, Samarkand, Russia...2
- 348 RV21, Erivan, Russia...4
- 354 RW87, Oukhta, Russia...2
- 354 RW12, Rostov, Russia...4
- 364 RW5, Sverdlovsk, Russia...36
- 368 RW9, Kiev, Russia...10
- 375 RA8, Sevastopol, Russia...3
- 385 Petrozav'k, Russia...2
- 386 RW25, Voronezh, Russia...3
- 389 SBF, Osterund, Sweden...6
- 394 RW42, Nizhni-N., Russia...2
- 395 Geneva, Switzerland...1
- 417 RW2, Moscow, Russia...20
- 421 RW47, Tashkent, Russia...2
- 421 RW47, Tashkent, Russia...2
- 429 RW10, Minsk, Russia...4
- 435 RW35, Astrakhan, Russia...1
- 441 AB2, Lausanne, Switz...6
- 444 RW22, Oufa, Russia...2
- 482 RW45, Orenburg, Russia...1
- 489 RW28, Petrozav'k, Russia...1
- 472 RW44, Omsk, Russia...1
- 511 LKH, Hamar, Norway...8
- 511 RW30, Dneprop'vsk, Rus...4
- 521 RA34, Kourak, Russia...1
- 522 RW16, Samara, Russia...1
- 527 Freiburg, Germany...3
- 530 Hanover, Germany...3
- 539 FPTT, Grenoble, France...2
- 531 UONZ, Vienna, Austria...15
- 531 RW24, Smolensk, Russia...2
- 538 Wilno, Poland...16
- 538 Augsburg, Germany...3
- 536 Kabserslautern, Ger...2
- 540 CKOK, Windsor, Can...1

## 600

- 545 Budapest, Hungary...20
- 550 WKRC, Cincinnati, USA...5
- 550 WGR, Buffalo, USA...1
- 550 KSD, St. Louis, USA...5
- 550 KOAC, Corvallis, USA...1
- 550 KFYR, Bismarck, USA...1
- 550 KFUD, Clayton, USA...5
- 550 KFDV, Brookings, USA...1
- 551 RW17, Kazan, Russia...1
- 551 IIPA, Palermo, Italy...4
- 554 SBD, Sundsdal, Sweden...10
- 556 KLZ, Denver, USA...5
- 560 WNOX, Knoxville, USA...1
- 560 WFIL, Philadelphia, USA...5
- 560 WTAB, San Francisco...1
- 560 W1B0, Chicago, USA...1
- 560 WLIT, Philadelphia, USA...5
- 560 WPCC, Chicago, USA...5
- 560 WQAM, Miami, USA...1
- 560 WQDM, Beaumont, USA...5
- 560 VK2CO, Carowa, Aust...7
- 560 RW41, Veliki O., Russia...2
- 563 Munich, Ger...2
- 569 Ljubljana, Yugo...3
- 570 KVI, Topeka, USA...5
- 570 WKBN, Youngstown, USA...5
- 570 WNBC, Asheville, USA...1
- 570 WSYR, Syracuse, USA...3
- 570 WNYC, New York, USA...5
- 570 WEAU, Columbus, USA...1
- 570 KNTR, Los Angeles, USA...5
- 570 WMCB, New York, USA...5
- 570 WNAJ, Yakona, USA...1
- 570 KGKO, Wichita Falls, US...3
- 572 VYZ, Riga, Latvia...15
- 580 CKUA, Edmonton, Can...5
- 580 CKCL, Toronto, Can...5
- 580 CHMA, Edmonton, Can...3
- 580 CFYC, Charlotte, Can...5
- 580 WSAZ, Huntington, USA...3
- 580 WTAG, Worcester, USA...3
- 580 WQBU, Charleston, USA...3
- 580 WIBW, Topeka, USA...1
- 580 KSAC, Manhattan, USA...5
- 580 VK7ZL, Hobart, Oc...3
- 587 RV50, Armavir, Russia...1
- 588 Bloemfontane, S. Afr...6
- 589 Velthem, Belgium...15
- 590 CMV, Havana, Cuba...1
- 590 WCAJ, Lincoln, USA...1
- 590 WKZO, Kalamazoo, USA...1
- 590 WEEI, Boston, USA...1
- 590 WGCW, Miss. City, USA...1
- 590 WOW, Omaha, USA...1
- 590 KHQ, Spokane, USA...1
- 590 ON4RB, Brussels...15
- 599 IMI, Milan, Italy...9
- 599 IFI, Florence, Italy...20
- 599 Nizhni-N., Russia...20
- 600 WICC, Bridgeport, USA...3
- 600 WJED, Indianapolis, USA...3
- 600 WCAO, Baltimore, USA...3
- 600 WCAO, Storrs, USA...3
- 600 WREC, Memphis, USA...5
- 600 WMT, Waterloo, USA...5
- 600 KFSD, San Diego, USA...5
- 600 CNRO, Ottawa, Can...5
- 600 ZL2ZK, Wanganui, N.Z...1
- 604 RW31, Ivanovo-Vosk, Rus...1
- 604 Moscow, Russia...1
- 606 XGZ, Nanking, China...5
- 608 RW32, Stavropol, Russia...1
- 608 Trondheim, Norway...1
- 610 WIP, Philadelphia, USA...5
- 610 WJAY, Cleveland, USA...5
- 610 WFAW, Philadelphia, US...5
- 610 WDAF, Kansas City...1
- 610 KFRC, San Francisco...1
- 610 VK3AR, Melbourne, Oc...5

### OKP

614 Prague, Czechoslovakia, 120

- 620 WTMJ, Milwaukee, USA...1
- 620 WFLA, Clearwater, USA...1
- 620 WLBB, Bangor, Maine...5
- 620 KTR, Phoenix, USA...5
- 620 KGW, Portland, USA...1
- 621 RW40, Gornal, Russia...1
- 625 XOL, Tientsin, China...5
- 625 COTN, Tientsin, China...5
- 625 CMAB, Santiago, Chile...1

### NORTH REGIONAL

625, North Regional, England, 50

- 625 JOQK, Niigata, Japan...5
- 629 CAB, Canton, China...1
- 630 WGBF, Evansville, USA...5
- 630 WMAL, Washington, USA...3
- 630 WOS, Jefferson City, USA...5
- 630 KGFX, Pierre, USA...2
- 630 KFRU, Columbia, USA...5
- 630 CKOC, Hamilton, Can...5
- 630 CNRA, Moncton, Can...5
- 630 KCTB, St Catherine, Can...5
- 630 CJGX, Yorkton, Can...5
- 630 CHCS, Hamilton, Can...5
- 630 XETF, Veracruz, Mex...5
- 630 GMCJ, Havana, Cuba...3

## 700

- 630 CMQ, Havana, Cuba...3
- 630 RW52, Simferopol', Russia...4
- 630 Sevastopol, Russia...1
- 635 JONK, Nagano, Japan...5

### LANGENBURG

635, Langenberg, Germany, 60

- 636 RW23, Grozny, Russia...1
- 636 RW28, Vladivostok, Russia...2
- 640 WOI, Ames, USA...5
- 640 XFG, Mexico City, Mex...2
- 640 WAIU, Columbus, USA...5

### KFI

640 Los Angeles, USA...50

- 640 RW56, Penza, Russia...1
- 644 FPTT, Lyon, France...1
- 644 Tartu, Estonia...5
- 645 RW48, Tomsk, Russia...1

### WSM

650, Nashville, USA, 50

- 650 ZL4YA, Dunedin, N. Z...5
- 650 CX6, Montevideo, Uruguay...1
- 650 RW33, Krasnodar, Russia...1

### BEROMINSTER

653, Beromunster, Switzerland, 60

- 660 CMCO, Marianne, Cuba...3
- 660 CMDC, Marianne, Cuba...5
- 660 RUS, San Salvador, C. Am...5
- 660 WAAW, Omaha, USA...5

### WEAF

660, New York, USA, 50

- 662 EAJ8, San Sebastian, Spain...1
- 662 EAJ22, Salamanca, Spain...1
- 662 SCT, Uppsala, Sweden...2
- 662 LKT, Trondslag, Norway...5
- 662 Kiangenturt, Aus...5
- 662 LKP, Porgruud, Norway...7
- 662 PTB, Danzig, Danzig...5
- 662 IBZ, Bolzano, Italy...2
- 662 LKD, Bodo, Norway...5
- 665 VK2FC, Sydney, Oc...4
- 666 RW13, Odessa, Russia...4
- 667 JB, Johannesburg, So. Afr...10
- 670 HIX, Johannesburg, So. Afr...2
- 670 CJRW, Fleming, Can...5
- 670 CJRM, Moose Jaw, Can...5
- 670 WMAQ, Chicago, USA...5
- 670 LP4, Buenos Aires, Arg...5
- 670 JOAK, Tokio, Japan...10
- 671 FPTT, Paris, France...7
- 671 LKA, Alesund, Norway...4
- 671 LKR, Rjukan, Norway...2
- 674 COHB, Harbin, China...1
- 680 VOVR, St. Johns, N. Fd...5
- 680 WPTF, Raleigh, USA...1

### KPO

680, San Francisco, USA, 50

- 630 KFEG, St. Joseph, USA...3
- 680 JOLK, Fukuoka, Japan...5

### I1RO

680, Rome, Italy, 50

- 685 LT8, La Plata, Argentina...1
- 685 HJN, Bogota, Colombia...2
- 687 RW48, Karaganda, Russia...1
- 687 RW48, Petrozav'k, Russia...1

### SBA

689, Stockholm, Sweden, 55

- 689 SCN, Malmberg, Sweden...3
- 690 XET, Monterrey, Mex...2
- 690 VAS, Glace Bay, Can...5
- 690 CJCJ, Calgary, Can...5
- 690 CFRB, Toronto, Can...10
- 690 CFAC, Calgary, Can...5
- 690 VK6WF, Perth, Oc...5
- 690 JODK, Keijo, Japan...1
- 690 RA44, Tver, Russia...1
- 697 Belgrade, Yugos...3
- 700 JOKK, Okayama, Japan...5

### WLW

700, Cincinnati, USA, 50

- 700 Colombo, Ceylon...1
- 704 RW20, Kharkov, Russia...4
- 706 PRAP, Porto Alegre, Brz...3
- 706 CMAC, Santiago, Chile...1
- 707 EAJ7, Madrid, Spain...2

### WOR

710, Newark, USA, 50

## 800

- 710 XEN, Mexico City, Mex...9
- 710 JOJK, Kanazawa, Japan...3
- 710 XEM, Mexico City, Mex...1
- 710 KMPC, Beverly Hills, Cal...5
- 710 SP4, Katowice, Poland...16
- 710 LB1, Buenos Aires, Arg...5
- 714 RA32, Saratov, Russia...2
- 716 Berlin, Germany...25
- 720 WGN, Chicago, USA...25
- 720 ZL2YA, Wellington, N. Z...5
- 720 VK5CK, Crystal Brk, Oc...8
- 721 Rabat, Morocco...6
- 723 COMK, Mukden, China...2
- 726 2RN, Dublin, Irish Fr. St...2
- 730 CMK, Havana, Cuba...3
- 730 CKAC, Montreal, Quebec...5
- 730 CHYC, Montreal, Can...5
- 730 VK5CL, Adelaide, Oc...5
- 730 WHY, Pokrovsk, Russia...1
- 730 LT6, San Juan, Arg...5
- 730 CX10, Montevideo...1
- 731 ZTD, Durban, So. Afr...1
- 734 Katowice, Poland...16
- 735 Tartu, Estonia...2

### XER

740, Villa Acoma, Mexico, 75

### WSB

740, Atlanta, USA, 50

- 740 WHEB, Portsmouth, USA...3
- 740 KMMJ, Clay Center, USA...1
- 741 JOSK, Kokura, Japan...1
- 743 Sottens, Switzerland...25
- 748 RW51, Nalchik, Russia...1
- 750 WJR, Detroit, USA...10
- 750 XEQ, Ciudad Jaurco, Mex...5
- 750 CJCA, Edmonton, Can...5
- 750 KGU, Honolulu, Hawaii...3
- 750 VQ7LO, Nairobi, Kenya...1
- 750 Mont-De-Marsan, Fr...3
- 750 JOBK, Osaka, Japan...10
- 750 PRAA, Rio de Janeiro...1
- 750 JRT, Buenos Aires, Arg...7
- 750 EAJ2, Madrid, Spain...6
- 752 Midland Reg., Eng...25
- 752 GSSC, Glasgow, Eng...1
- 759 JQAK, Dairon, Japan...1
- 759 LT4, Mendoza, Arg...5
- 759 Bueharest, Romania...12
- 760 JOHK, Sendai, Japan...10
- 760 KXA, Seattle, USA...3
- 760 WJZ, New York, USA...30
- 760 WEW, St. Louis, USA...1
- 760 VK4QG, Brisbane, Oc...5
- 761 Bucharest, Romania...12
- 770 RW36, Arkhangelsk, Rus...10
- 770 VUM, Madras, India...2
- 770 WBBM, Chicago, USA...25
- 770 KFAB, Lincoln, USA...2
- 770 CX12, Montevideo, Uruguay...5
- 770 Toulouse, France...8
- 770 Frankfurt, Ger...2
- 770 Rheims, France...5
- 779 Wilno, Poland...5
- 779 SP6, Lwow, Poland...2
- 780 WEAN, Providence, USA...3
- 780 WTAR, Norfolk, USA...5
- 780 WMC, Memphis, USA...5
- 780 KTM, Los Angeles, USA...5
- 780 KELW, Burbank, USA...5
- 780 XCZ, Mexico City, Mex...5
- 780 CKY, Winnipeg, Can...5
- 780 JOPK, Shizuoka, Japan...5
- 788 Lwow, Poland...16
- 789 LUZ, Bahia, Argentina...5

### WGY

Schenectady, USA, 50

- 790 KGO, San Francisco...8
- 790 CMBT, Havana, Cuba...2
- 790 CMHC, Tuinucu, Cuba...5
- 790 CMBS, Havana, Cuba...2
- 790 LR1, Buenos Aires, Arg...5
- 790 JOGI, Kumamoto, Japan...10
- 790 OAX, Lima, Peru...10
- 793 RW37, Moscow, Russia...1
- 793 RW39, Moscow, Russia...5
- 798 RW27, Makhatch Kala, Rus...1

### SCOTTISH REGIONAL

797, Scottish Regional, Eng., 50

- 800 WBAF, Fort Worth, USA...10

### WFAA

800, Dallas, USA, 50

- 800 ZTC, Cape Town, So. Afr...1
- 800 VK3LO, Melbourne, Oc...5
- 804 CMAC, Santiago, Chile...1
- 806 Hamburg, Germany...2

### WCCO

810, Minneapolis, U.S.A., 50

## 900

- 810 WPCB, New York, USA...5
- 810 XFC, Aguascalientes, Mex...4
- 810 Radio LL, Paris, France...1
- 810 CX14, Montevideo, Uruguay...1
- 810 SP4, Katowice, Poland...16
- 810 RW26, Stallino, Russia...1
- 810 JOCK, Nogyo, Japan...10
- 810 VUC, Calcutta, India...3
- 811 RW6, Artymovsk, Russia...1
- 815 Helsingfors, Finland...13
- 815 PRAE, Sao Paulo, Brazil...1
- 815 EAJ5, Seville, Spain...2
- 815 LKF, Fredrikstad, Nor...7
- 816 IBZ, Bolzano, Italy...1
- 820 CMK, Havana, Cuba...5
- 820 CNRH, Halifax, Can...5
- 820 XFI, Mexico City, Mex...1
- 820 WHAS, Louisville, USA...25
- 825 Algiers, Algeria...13
- 830 LR5, Buenos Aires, Arg...5
- 830 WEEU, Reading, USA...1
- 830 WHDH, Boston, USA...1

### KOA

830, Denver, USA, 50

- 830 WRUF, Gainesville, USA...5
- 830 JOIK, Sapporo, Japan...10

### STUTT GART

832, Stuttgart, Germany, 60

833, Muhlacker, Germany, 60

- 840 CMC, Havana, Cuba...5
- 840 CPFY, Toronto, Can...5
- 840 CJBC, Toronto, Can...5
- 840 CKGW, Toronto, Can...10
- 840 CKLC, Red Deer, Can...1
- 840 Helsingfors, Finland...10
- 840 VUB, Bombay, India...3

### LONDON REGIONAL

842, London Regional, Eng., 50

- 842 PRAF, Para, Brz...3
- 842 RW57, Tiraspol, Russia...4
- 850 KSWK, Shrevesport, USA...10
- 850 WNL, New Orleans, USA...10
- 850 JOFK, Hiroshima, Japan...10
- 851 Graz, Austria...1
- 858 RV36, Leiningrad, Russia...1
- 856 HSP1, Bangkok, Siam...3
- 857 PRAJ, Julz de Fora, Brz...2
- 857 PRAC, Rio de Janeiro...5
- 860 WHB, Kansas City, USA...5

### WABC

860, New York, USA, 50

- 860 XFX, Mexico City, Mex...5
- 860 EAJ1, Barcelona, Spain...8
- 865 RW24, Platigorsk, Russia...1
- 867 FPTT, Strasbourg, France...6
- 869 Strasbourg, France...12

### WLS

870, Chicago, USA, 50

- 870 Chicago, USA...50

### WENR

870, Chicago, USA, 50

- 870 LR2, Buenos Aires, Arg...10
- 875 SP2, Poznan, Poland...4
- 878 OKB, Brno, Czechoslov...36
- 880 KPOF, Denver, USA...5
- 880 WQAN, Saratov, USA...5
- 880 KFKA, Greeley, USA...5
- 880 WGBI, Saratov, USA...3
- 880 WUOI, Iowa City, USA...5
- 880 WCCO, Meridian, USA...5
- 880 VK6PR, Perth, Oc...2
- 881 LV7, Taumauan, Arg...5
- 882 HSI1P, Sala Daeng, Siam...4
- 885 VK2BL, Sydney, Oc...5
- 887 PRAS, Santos, Brazil...1
- 887 Brussels, Belgium...15
- 890 KFFN, Shenandoah, USA...5
- 890 WGST, Atlanta, USA...3
- 890 WMMN, Fairmont, USA...5
- 890 WJAR, Providence, USA...5
- 890 WILL, Urbana, USA...3
- 890 KUSD, Vermillion, USA...5
- 890 KARK, Little Rock, USA...5
- 890 KSEI, Petatello, USA...3
- 890 CMX, Havana, Cuba...5
- 890 CMCF, Havana, Cuba...5
- 890 CFBO, St. John, Can...5
- 890 XES, Tampico, Mex...5
- 890 CX10, Montevideo...3
- 893 CNB, Casablanca, Mor...3
- 895 XGY, Hangchow, China...3

# of World Broadcasting

Approximately, the large figures at the top of each column, indicate the frequencies contained in that column, making the finding of any frequency comparatively easy. Power is given in kilowatts (1000 watts) and is printed at the right.

<p><b>1000</b></p> <p>896 Cadiz, Spain..... 6 898 Poznan, Poland..... 2 900 WJAX, Jacksonville, USA..... 1 900 WKY, Oklahoma City..... 1 900 KGBU, Kotchikan, Alaska..... 5 900 WLBL, Stevens Pt., USA..... 2 900 WBEW, Buffalo, USA..... 1 901 KHJ, Los Angeles, USA..... 1 901 JFAC, Taihoku, Japan..... 1 901 Paris, France..... 5 905 Milan, Italy..... 7 910 XLIYA, Auckland, N. Z..... 5 910 XEW, Mexico City, Mex..... 5 910 CJGC, London, Can..... 5 910 CFQC, Saskatoon, Can..... 5 910 VK4RK, Rockhampton, Oc..... 2 911 LV2, Cordova, Argentina..... 1 914 Grenoble, France..... 2</p> <p><b>PARIS</b> 914, Paris, France, 60</p> <p>920 KOMO, Seattle, USA..... 1 920 KPRC, Houston, USA..... 1 920 WBSO, Needham, USA..... 3 920 HHK, Port au Prince, Haiti..... 1 920 WWJ, Detroit, USA..... 1 920 KFEL, Denver, USA..... 8 920 WAAF, Chicago, USA..... 5 920 KXFX, Denver, USA..... 5 923 Breslau, Germany..... 2 930 KMA, Shezandoh, USA..... 5 930 KROW, Oakland, USA..... 5 930 WDBJ, Roanoke, USA..... 3 930 WBRG, Birmingham, USA..... 5 930 KGBZ, York, USA..... 5 930 KFVI, San Francisco, USA..... 5 930 CKX, Brandon, Can..... 5 930 CMJF, Camaguey, Cuba..... 2 930 CMCD, Havana, Cuba..... 3 930 CMCN, Marlanoo, Cuba..... 3 930 CX20, Montevideo..... 2 930 VK3UZ, Melbourne, Oc..... 5 932 SBB, Goleborg, Swed..... 10 937 PRAB, Rio de Janeiro..... 5 937 COPK, Pekin, China..... 1 940 WHA, Madison, USA..... 1 940 WFIW, Hopkinsville, USA..... 1 940 WDAY, Fargo, USA..... 1 940 WCSH, Portland, Maine..... 1 940 WAAT, Jersey City, USA..... 3 940 KOIN, Portland, Oregon..... 1 940 XEO, Mexico City, Mex..... 5 941 Sofia, Bulgaria..... 1 941 Dresden, Germany..... 3 941 INA, Naples, Italy..... 2 950 CMHD, Calbarlen, Cuba..... 3 950 FPTT, Marselles, France..... 2 950 LR3, Buenos Aires, Arg..... 5 950 KGH, Billings, USA..... 1 950 KMBC, Kansas City, USA..... 1 950 WRC, Washington, USA..... 5 950 KFVB, Hollywood, USA..... 1 950 Bremen, Germany..... 3 950 VK2GB, Sydney, Oc..... 3 959 Krakow, Poland..... 2 959 Radio-Vitus, France..... 10 959 IGE, Genoa, Italy..... 10 960 CKCK, Regina, Can..... 5 960 CHWC, Regina, Can..... 5 960 CKNC, Toronto, Can..... 5 960 VK3DN, Adelaide, Oc..... 5 968 GSWA, Cardiff, England..... 1 970 WCF, Chicago, USA..... 5 970 KJR, Seattle, USA..... 5 970 XED, Reynosa, Mex..... 18 970 CMBC, Havana, Cuba..... 2 970 CMBD, Havana, Cuba..... 2 970 CX22, Montevideo, Urug..... 3 970 VK3BO, Bendigo, Oc..... 2 970 VK3BO, Sydney, Oc..... 2 477 SCC, Falun, Sweden..... 5 977 Zagreb, Yugoslavia..... 7</p> <p><b>KDKA</b> 980, Pittsburgh, USA, 50</p> <p>980 ZL3YA, Christchurch, NZ..... 5 986 FPTT, Bordeaux, France..... 13 990 WBZ, Boston, USA..... 25 990 WBZA, Boston, USA..... 1 990 CFCN, Calgary, Can..... 10 990 LR8, Buenos Aires, Arg..... 5 990 LR4, Buenos Aires, Arg..... 10</p> <p><b>NORTH NATIONAL</b> 995 North National, England..... 50</p> <p>995 G2BD, Aberdeen, Eng..... 1 1000 XEE, Oaxaca, Mex..... 1 1000 XEY, Merida, Mex..... 1 1000 The Hague, Holland..... 4</p> <p><b>WHO</b> 1000, Des Moines, USA, 50</p>	<p><b>1100</b></p> <p>1000 WORK, York, USA..... 1 1000 WOC, Dawsonport, USA..... 5 1000 KFVD, Los Angeles, USA..... 3 1004 Tallinn, Estonia..... 11 1004 PFB, Amsterdam, Hel..... 7 1006 PRAR, Sao Paulo, Brazil..... 5 1010 WHN, New York, USA..... 3 1010 WIS, Columbia, USA..... 5 1010 WQAO, New York, USA..... 3 1010 KQW, San Jose, USA..... 5 1010 CX24, Montevideo, Urug..... 1 1010 VK3HA, Hamilton, Oc..... 3 1010 WNAD, Norman, USA..... 5 1010 WRNY, New York, USA..... 3 1010 KGGF, So. Coffeyville, US..... 5 1010 CMZB, Havana, Cuba..... 2 1013 Tallinn, Estonia..... 10 1013 Turin, Italy..... 9 1013 Hiversum, Holland..... 20 1018 CMAO, Santiago, Chile..... 3 1020 XEFD, Tijuana, Mex..... 3 1020 WRAX, Philadelphia..... 3 1020 KYW, Chicago, USA..... 10 1022 OKK, Kosice, Slovakia..... 3 1022 Limoges, France..... 7 1025 VK2UE, Sydney, Oc..... 3 1030 LR9, Buenos Aires, Arg..... 10 1030 CFCC, Montreal, Can..... 5 1030 CNRV, Vancouver, Can..... 5 1030 XEB, Mexico City, Mex..... 1 1030 CMKC, Stgo. de Cuba..... 2 1031 OFH, Viborg, Finland..... 2 1031 OFC, Jakobstad, Finland..... 3 1031 Tampere, Finland..... 1 1040 Newcastle, Eng..... 1 1040 GSPY, Plymouth, Eng..... 1 1040 GSSX, Swansea, Eng..... 1 1040 G2EH, Edinburgh, Eng..... 4 1040 G2DE, Dundee, Eng..... 1 1040 G6BM, Bournemouth, Eng..... 1 1040 KRLD, Dallas, USA..... 10 1040 WKAR, E. Lansing, USA..... 1 1040 KTHS, Hot Springs, USA..... 10 1040 CMGH, Matanzas, Cuba..... 2 1043 Lyon, France..... 7 1049 Montpellier, France..... 8 1050 KNX, Los Angeles, USA..... 25 1050 CX26, Montevideo, Urug..... 2 1050 KFBI, Albiene, USA..... 5 1053 Khabarovsk, Rus..... 5 1056 CTIBO, Lisbon, Portugal..... 2 1058 Berlin, Germany..... 6 1058 Innsbruck, Austria..... 5 1058 Magdeburg, Germany..... 6 1080 WJAG, Norfolk, USA..... 1</p> <p><b>WTIC</b> 1060, Hartford, USA, 50</p> <p>1060 WBAL, Baltimore, USA..... 10 1060 KWJJ, Portland, Oregon..... 5 1063 Lisbon, Portugal..... 2 1087 Copenhagen, Den..... 1 1069 LB5, Buenos Aires, Arg..... 10 1070 VK2KY, Sydney, Oc..... 2</p> <p><b>WTAM</b> 1070, Cleveland, USA, 50</p> <p>1070 CMBG, Havana, Cuba..... 2 1070 CMCB, Havana, Cuba..... 2 1071 EAR5, Las Palmas, C. Isl..... 5 1078 OKR, Bratislava, Slov..... 14 1080 Casn, France..... 2 1080 LT3, Rosario, Arg..... 2</p> <p><b>HEILSBURG</b> 1085, Heilsberg, Germany, 60</p> <p>1080 Stettin, Germany..... 6 1080 WMBI, Chicago, USA..... 5 1080 WCBD, Zion, USA..... 5 1080 WBT, Charlotte, USA..... 25 1085 Konigsberg, Ger..... 2</p> <p><b>KMOX</b> 1090, St. Louis, USA, 50</p> <p>1091 Angers, France..... 3 1096 Turin, Italy..... 1 1100 WPG, Atlantic City, USA..... 5 1100 KGDW, Stockton, USA..... 3 1100 WLWL, New York, USA..... 5 1100 VK7LA, Launceston, Oc..... 2 1103 Rennes, France..... 1 1110 WRVA, Richmond, USA..... 5 1110 KSOD, Sioux Falls, USA..... 3 1112 Kalerslautern, Ger..... 3 1112 Bremen, Ger..... 3 1113 SCJ, Norrkoping, Sweden..... 3 1119 EAJ13, Barcelona, Spain..... 10 1120 CHGB, Summerside, Can..... 5 1120 CFCA, Toronto, Can..... 5 1120 KRKD, Los Angeles, USA..... 5 1120 KTRH, Houston, USA..... 5</p>	<p><b>1200</b></p> <p>1120 WHAD, Milwaukee, USA..... 3 1120 WTAW, Collog Sta., USA..... 5 1120 WSM, Milwaukee, USA..... 3 1120 WDEL, Wilmington, USA..... 3 1120 WBOB, Orlando, USA..... 3 1120 KFSG, Los Angeles, USA..... 5 1120 ZL2ZW, Wellington, N.Z..... 4 1121 Valencia, Spain..... 2 1121 Oviedo, Spain..... 7 1125 VK2UW, Sydney, Oc..... 5 1125 XEH, Monterrey, Mex..... 1 1130 WJJD, Mooseheart, USA..... 20 1130 WDV, New York, USA..... 1</p> <p><b>KSL</b> 1130, Salt Lake City, USA, 50</p> <p>1130 CX30, Montevideo, Urug..... 3 1130 Lille, France..... 1 1135 VK6ML, Perth, Oc..... 3 1137 Mora'ka-Dat'va, Slo..... 11 1140 WVP, Birmingham, USA..... 25 1140 KAOI, Tulsa, USA..... 25 1140 XETA, Mexico City, Mex..... 5 1140 CMBW, Havana, Cuba..... 2 1140 CMCO, Havana, Cuba..... 1 1145 VK4BC, Brisbane, Oc..... 8</p> <p><b>LONDON NATIONAL</b> 1147, London National, Eng., 50</p> <p>1150 WHAM, Rochester, USA..... 25 1150 ZL2ZM, Gisborne, N. Z..... 1 1150 LR8, Buenos Aires, Arg..... 10 1153 Kallundborg, Den..... 8 1153 PRAK, Rio de Janeiro..... 1 1157 Gleiwitz, Germany..... 6 1157 Leipzig, Germany..... 2 1160 WVVV, Wheeling, USA..... 5 1160 WQWO, Fort Wayne, USA..... 10 1166 SBH, Horby, Sweden..... 10 1170 CX32, Montevideo, Urug..... 2</p> <p><b>WCAU</b> 1170, Philadelphia, USA, 50</p> <p>1170 VK4TO, Townsville, Oc..... 2 1175 FMRD, Toulouse, France..... 2 1175 FPTT, Toulouse, France..... 7 1178 VK3DB, Melbourne, Oc..... 5 1183 WMAZ, Macon, USA..... 5 1180 WINS, New York, USA..... 5 1180 WOB, Minneapolis, USA..... 1 1180 KDG, Albuquerque, USA..... 1 1180 KEX, Portland, Oregon..... 5</p> <p><b>WOAI</b> 1190, San Antonio, USA, 50</p> <p>1184 Leipzig, Germany..... 2 1184 Gleiwitz, Germany..... 5 1190 LB2, Buenos Aires, Arg..... 10 1193 EAJ18, Almeria, Spain..... 1 1193 SCQ, Trollhattan, Sweden..... 3 1193 EAJ15, Barcelona, Spain..... 1 1199 Bordeaux, France..... 5 1200 VK5KA, Adelaide, Oc..... 3 1200 ZL3AC, Christchurch, NZ..... 3 1200 TFA, Reykjavik, Iceland..... 5 1200 Toulon, France..... 8 1202 SCU, Varberg, Sweden..... 3 1205 Rad.-Juan-les-Pin, Fr..... 8 1210 ZL2ZE, Ekotahuna, N. Z..... 1 1210 CX34, Montevideo, Urug..... 5 1210 CFCC, Chatham, Can..... 3 1210 CJOR, Vancouver, Can..... 5 1210 XEX, Mexico City, Mex..... 5 1211 ITR, Trieste, Italy..... 15 1211 SCI, Kalmr, Sweden..... 2 1219 Nice, France..... 3 1219 ON4RG, Ghent, Belgium..... 4 1219 ON4RW, Liège, Belgium..... 2 1219 EAJ15, Cartagena, Spain..... 4 1220 WCAE, Pittsburg, USA..... 1 1220 WDAE, Tampa, USA..... 1 1220 WCAD, Canton, USA..... 5 1220 KTW, Seattle, USA..... 1 1220 KWSC, Pullman, USA..... 1 1220 WREN, Tongonzo, USA..... 1 1220 KFKU, Lawrence, USA..... 5 1220 ZL4ZL, Dunedin, N. Z..... 2 1220 Berno, Switzerland..... 5 1220 Kiruna, Sweden..... 3 1220 Kassel, Germany..... 3 1220 SCP, Saffia, Sweden..... 4 1220 Cassel, Germany..... 3 1220 Jakobstad, Finland..... 8 1220 OFG, Turku, Finland..... 8 1220 Bjorneborg, Finland..... 2 1220 Linz, Austria..... 10 1229 LB8, Buenos Aires, Arg..... 10 1229 SCB, Eskilstuna, Sweden..... 2 1229 Basel, Switzerland..... 5 1230 WFBM, Indianapolis, USA..... 1</p>	<p><b>1300</b></p> <p>1230 KGGM, Albuquerque, USA..... 3 1230 WNAC, Boston, USA..... 1 1230 WSBT, South Bend, USA..... 5 1230 WPSC, State College, USA..... 5 1230 KYA, San Francisco, USA..... 1 1230 KFQD, Anchorage Alaska..... 3 1238 2BE, Belfast, Irish Fr. St..... 1 1238 G2BE, Belfast, Eng..... 1 1240 CMCA, Havana, Cuba..... 2 1240 WXYZ, Detroit, USA..... 1 1240 KTFI, Twin Falls, USA..... 5 1240 KLPW, Minot, USA..... 3 1240 WACO, Waco, USA..... 1 1240 KGPU, Mandan, USA..... 3 1240 CMBY, Havana, Cuba..... 4 1240 WKAQ, San Juan, P. Rico..... 1 1245 VK2NC, Newcastle, Oc..... 2 1247 LKS, Stavanger, Norway..... 5 1249 LT5, Parana, Argentina..... 5 1250 XEFA, Mexico City, Mex..... 3 1250 WCAL, Northfield, USA..... 1 1250 WDSU, New Orleans, USA..... 1 1250 WAAM, Newark, USA..... 1 1250 WGCP, Newark, USA..... 3 1250 WODA, Paterson, USA..... 1 1250 WRHM, Minneapolis, USA..... 1 1250 WLB, Minneapolis, USA..... 1 1250 KFOX, Long Beach, USA..... 1 1250 KFMM, Northfield, USA..... 1 1250 CX38, Montevideo..... 3 1250 Baziers, France..... 3 1250 Nimes, France..... 5 1258 Nurnberg, Germany..... 2 1260 KWVG, Brownsville, USA..... 5 1260 KOIL, Council Bluffs, USA..... 1 1260 WNBX, Springfield, VL..... 3 1260 WTCO, Savannah, USA..... 5 1260 WLBW, Erie, USA..... 5 1260 KYOA, Tucson, USA..... 5 1260 KRGV, Huntington, USA..... 5 1260 KGEZ, Kalispell, USA..... 3 1260 KFPY, Spokane, USA..... 1 1265 Bordeaux, France..... 3 1265 Nimes, France..... 1 1265 SCV, Orebro, Sweden..... 2 1270 VK2SM, Sydney, Oc..... 3 1270 CMCU, Havana, Cuba..... 2 1270 CMCW, Marlanoo, Cuba..... 2 1270 KOL, Seattle, USA..... 1 1270 WFBR, Baltimore, USA..... 5 1270 KVOR, Colorado Spgs, US..... 1 1270 WASH, Grand Rapids, US..... 5 1270 WEAL, Ithaca, USA..... 1 1270 WOOD, Grand Rapids, US..... 5 1270 WJDX, Jackson, USA..... 1 1270 L83, Buenos Aires, Arg..... 1 1274 LKK, Christiansand, Nor..... 5 1276 XCLB, Shanghai, China..... 4 1280 WDDO, Chattanooga, USA..... 1 1280 WCAM, Camden, USA..... 5 1280 WCAP, Asbury Park, USA..... 5 1280 WOAX, Trenton, USA..... 5 1280 WRR, Dallas, USA..... 5 1280 WIBA, Madison, USA..... 5 1280 KFBB, Great Falls, USA..... 1 1283 Lodz, Poland..... 2 1286 KDYL, Salt Lake City..... 1 1290 WJAS, Pittsburgh, USA..... 1 1290 WBCS, Superior, USA..... 1 1290 KTBA, San Antonio, USA..... 1 1290 KFUL, Galveston, USA..... 5 1290 VK4BK, Brisbane, Oc..... 2 1292 Kiel, Germany..... 3 1292 Norrkoping, Sweden..... 3 1300 XEM, Mexico City, Mex..... 3 1300 WHAZ, Troy, USA..... 5 1300 KFJR, Portland, Oregon..... 5 1300 KTBW, Portland, Oregon..... 5 1300 WBBR, New York, USA..... 1 1300 WEVD, New York, USA..... 5 1300 WIOD, Miami, USA..... 1 1300 WFAB, New York, USA..... 1 1300 WQK, Kansas City, USA..... 1 1300 KGEF, Los Angeles, USA..... 1 1300 KFAC, Los Angeles, USA..... 1 1300 KFH, Wichita, Oc..... 1 1300 VK2CH, Sydney, Oc..... 1 1301 SCB, Boras, Sweden..... 2 1301 SBC, Malmo, Sweden..... 2 1301 SCG, Helsingborg, Swed..... 2 1310 VK5AD, Adelaide, Oc..... 1 1319 Cologne, Germany..... 2 1319 Aix la Chapelle, Ger..... 3 1319 Muenster, Germany..... 6 1319 Aachen, Germany..... 3 1320 KID, Idaho Falls, USA..... 3 1320 WSBW, New Orleans, USA..... 5 1320 WADC, Tallmadge, USA..... 1 1320 KGHF, Pueblo, USA..... 3 1320 KGMH, Honolulu, Hawaii..... 3 1328 SCF, Hudiksvall, Sweden..... 2 1330 WTAQ, Eau Claire, USA..... 1 1330 WORC, Hartford, USA..... 5 1330 KSCJ, Sioux City, USA..... 1 1330 KMO, Tacoma, USA..... 3 1330 WSAI, Cincinnati, USA..... 5 1330 KGB, San Diego, USA..... 5 1337 8CK, Cork, Irish Fr. St..... 1 1340 WCOA, Pensacola, USA..... 5 1340 WSPD, Toledo, USA..... 1</p>	<p><b>1400</b></p> <p>1340 CW40, Montevideo, Urug..... 5 1344 LOAA, Luxembourg, Lux..... 10 1345 Fecamp, France..... 10 1349 LB6, Buenos Aires, Arg..... 3 1350 CMCY, Havana, Cuba..... 3 1350 WMSG, New York, USA..... 3 1350 WAWZ, Zarephath, USA..... 3 1350 WGNX, New York, USA..... 3 1350 WCDL, New York, USA..... 3 1350 WEHC, Emory, USA..... 5 1350 KWK, St. Louis, USA..... 1 1350 KIDO, Boise, USA..... 1 1350 CMCR, Havana, Cuba..... 2 1350 CPX, La Paz, Bolivia..... 1 1350 VK3KZ, Melbourne, Oc..... 2 1360 WGES, Chicago, USA..... 5 1360 WQBC, Vicksburg, USA..... 5 1360 WJKS, Gary, USA..... 1 1360 WBCS, Charleston, USA..... 5 1360 WFBL, Syracuse, USA..... 1 1360 KGER, Long Beach, USA..... 1 1360 KGIR, Butte, USA..... 5 1360 LT2, Conoordia, Argentina..... 4 1364 PRAX, Rio de Janeiro..... 1 1364 St. Etienne, France..... 3 1370 HRB, Tegucigalpa, Hoad..... 2 1370 CX42, Montevideo, Urug..... 5 1373 Bjorneborg, Finland..... 7 1373 Flenzburg, Germany..... 6 1373 Sziburg, Austria..... 5 1380 XETB, Torreon, Mex..... 1 1380 KSO, Creston, USA..... 5 1380 WSMK, Dayton, USA..... 2 1380 WKBH, La Crosse, USA..... 1 1380 KOH, Reno, USA..... 5 1380 KQV, Pittsburgh, USA..... 5 1380 VK4BH, Brisbane, Oc..... 1 1382 SCK, Karlstad, Sweden..... 3 1382 Kenigsberg, Ger..... 5 1388 ON4JC, Chatellineau, Bel..... 2 1388 LV5, Rosario, Argentina..... 5 1388 L89, Buenos Aires, Arg..... 10 1390 WHK, Cleveland, USA..... 1 1390 KOYA, Fayetteville, USA..... 1 1390 KUO, Phoenix, USA..... 5 1390 KLR, Little Rock, USA..... 1 1391 SCE, Halmstad, Sweden..... 2 1400 XEP, N. Laredo, Mex..... 2 1400 WCMA, Culver, USA..... 5 1400 WCGU, Brooklyn, USA..... 5 1400 WFOX, Brooklyn, USA..... 5 1400 WLTH, Brooklyn, USA..... 5 1400 WKBF, Indianapolis, USA..... 5 1400 WBAA, Lafayette, USA..... 5 1400 WBBG, Brooklyn, USA..... 5 1400 KCWC, Chickasha, USA..... 3 1400 KLO, Ogdan, USA..... 5 1400 SP8, Warsaw, Poland..... 2 1410 WHBL, Sheboygan, USA..... 5 1410 KGRS, Amarillo, USA..... 1 1410 WHIS, Bluefield, USA..... 3 1410 WDCG, Amarillo, USA..... 1 1410 WBCM, Bay City, USA..... 5 1410 WRBX, Roanoke, USA..... 3 1410 WOOD, Mobile, USA..... 5 1410 KFLV, Rockford, USA..... 5 1410 WSPA, Montgomery, USA..... 5 1410 WAAB, Boston, USA..... 5 1415 VK2KO, Newcastle, Oc..... 2 1428 Csepel, Hungary..... 3 1428 WCAH, Columbus, USA..... 5 1430 WHP, Harrisburg, USA..... 5 1430 WNBW, Memphis, USA..... 5 1430 WBAK, Harrisburg, USA..... 5 1430 KGNF, North Platte, USA..... 5 1430 KECA, Los Angeles, USA..... 1 1430 VK3AW, Melbourne, Oc..... 5 1440 KLS, Oakland, USA..... 3 1440 WHEC, Rochester, USA..... 5 1440 WSAH, Allentown, USA..... 3 1440 WCA, Allentown, USA..... 3 1440 WBG, Greensboro, USA..... 5 1440 WTAD, Quincy, USA..... 5 1440 WOKO, Albany, USA..... 5 1440 WMBD, Poria, USA..... 5 1440 KDFN, Casper, USA..... 5 1441 LT7, Gen. Pico, Arg..... 1 1442 Oporto, Portugal..... 3 1450 WTFI, Athens, USA..... 5 1450 WSAR, Fall River, USA..... 3 1450 WNJ, Newark, USA..... 3 1450 WBMS, Hackensack, USA..... 3 1450 WHOM, Jersey City, USA..... 3 1450 WGAR, Cleveland, USA..... 5 1450 KTBS, Shreveport, USA..... 1 1450 Boras, Sweden..... 2 1480 KSTP, St. Paul, USA..... 10 1480 WJSV, Alexandria, USA..... 10 1480 SCW, Ornsk'vik, Sweden..... 2 1480 Osterund, Sweden..... 2 1470 WLAC, Nashville, USA..... 5 1470 KGA, Spokane, USA..... 5 1470 SCE, Gavle, Sweden..... 2 1480 WKBW, Bufile, USA..... 5 1480 SCM, Kristinehamn, Swed..... 3 1480 KFJF, Oklahoma City, US..... 5 1490 WCKY, Covington, USA..... 5 1490 SCJ, Jenkoping, Sweden..... 3 1515 Biarritz, France..... 2 1530 SCJ, Karlskrona, Sweden..... 2 1635 Berlin, Germany..... 35</p>
--	--	---	---	--

The listing on these two pages comprises all the broadcasting stations in the world of over 100 watts power. Power is indicated by the figure in parenthesis.

# The World's Broadcasting;

<b>A</b>	Berne, Switzerland .....(500) 1220	<b>C</b>	Council Bluffs, USA KDIL .....(1,000) 1260	Galveston, USA KFUL .....(500) 1290	Hollywood, USA KFWB .....(1,000) 950	Kiev, Russia R99 .....(30,000) 290
Aachen, Germany .....(300) 1319	Beromünster, Switzerland .....(80,000) 653	Cadiz, Spain .....(5,500) 896	Covington, USA WCKY .....(5,000) 1490	Gary, USA WJKS .....(1,000) 1360	Honolulu, Hawaii KGU .....(2,500) 750	RW9 .....(10,000) 368
Aalesund, Norway LKA .....(350) 871	Beverly Hills, USA KMPC .....(500) 710	Caen, France .....(200) 1080	Creston, USA KSD .....(500) 1380	Gayle, Sweden SCE .....(200) 1478	KGU .....(2,500) 750	Kiruna, Sweden SCL .....(250) 1220
Aberdeen, England G2BD .....(1,900) 995	Beziers, France .....(250) 1250	Calbarion, Cuba CMHD .....(250) 950	Crystal Brook, Australia VK5CK .....(7,500) 720	Gen. Ploz, Argentina LT7 .....(1,000) 1441	KGMB .....(250) 1320	Kloengenfurt, Austria .....(500) 662
Abilene, USA KFBI .....(5,000) 1058	Blarritz, France .....(250) 1515	Calcutta, India VUC .....(3,000) 810	Csepel, Hungary .....(3,000) 1428	Geneva, Switzerland .....(1,200) 385	Hopkinsville, USA WFIW .....(1,000) 940	Knoxville, USA WNOX .....(1,000) 560
Akhhabad, Russia RW19 .....(4,000) 334	Billinge, USA KGHL .....(1,000) 958	Calgary, Can. CFAC .....(500) 880	Culver, USA WCMA .....(500) 1400	Genoa, Italy IGE .....(10,000) 858	Horby, Sweden SBH .....(10,000) 1106	Kokura, Japan JOSK .....(1,000) 741
Adelaide, Australia VK3CL .....(5,000) 730	Birmingham, USA WBRC .....(500) 830	Camden, USA W1AM .....(500) 1280	Dairon, Japan JQAK .....(1,000) 758	Ghent, Belgium ONARG .....(400) 1218	Hot Springs, USA KTHS .....(10,000) 1040	Konigsberg, Germany .....(1,700) 1085
AKSDN .....(500) 860	Bismarck, USA WAPI .....(25,900) 1140	Canton, China CAB .....(1,000) 629	Dallas, USA WFAA .....(50,000) 800	Giborne, New Zealand Z1ZM .....(110) 1150	Houston, USA KPRC .....(1,000) 820	Kristinehamn, Sweden OKK .....(2,500) 1022
VKSKA .....(1,000) 1200	Bjorneberg, Finland .....(1,500) 1220	Canton, USA WRR .....(500) 1280	Denver, USA KFLL .....(1,000) 560	Glac Bay, Nova Scotia VAS .....(2,000) 680	Hudikvallen, Sweden SCF .....(150) 1328	Kourak, Russia RA34 .....(1,000) 521
VK8AD .....(1,000) 1310	Bloemfontein, So. Africa .....(750) 588	Cape Town, So. Africa ZTC .....(1,000) 600	Detroit, USA KLZ .....(1,000) 560	Glasgow, England G5SC .....(1,000) 752	Huizen, Holland .....(8,500) 160	Krakow, Poland .....(1,500) 959
Aguascalientes, Mex. XFC .....(350) 810	Bluefield, USA WHIS .....(250) 1418	Cardiff, England G3WA .....(1,000) 968	Dayton, USA WSMK .....(200) 1380	Gleiwitz, Germany .....(5,000) 1157	Huntington, USA WSAZ .....(250) 588	Krasnodar, Russia RW33 .....(1,000) 858
Aix la Chapelle, Germany .....(300) 1319	Bodon, Sweden SBE .....(600) 244	Cartagena, Spain EJ15 .....(400) 1219	Des Moines, USA WHO .....(50,000) 1000	Ibama, Russia RV5E .....(8,000) 273	Istanbul, Turkey TAL .....(500) 250	Kristinehamn, Sweden SCM .....(250) 1480
<b>B</b>	Bodo, Norway LKD .....(500) 662	Casablanca, Morocco CNO .....(2,500) 893	Dresden, Germany DSD .....(300) 941	Indianapolis, USA WJED .....(250) 600	Ithaca, USA WEAI .....(1,000) 1270	Kumamoto, Japan JOGK .....(10,000) 790
Bahia Blanca, Argentina LU2 .....(500) 789	Bogota, Colombia HJN .....(2,000) 685	Casper, USA KDFN .....(500) 1440	Dublin, Irish Free State 2RN .....(1,500) 726	Iowa City, USA WSUI .....(500) 880	Ivanovo-Voz'nsk, Russia RW31 .....(1,200) 804	<b>L</b>
Baltimore, USA WCAD .....(250) 880	Bolzano, Italy IBZ .....(2,000) 818	Casei, Germany .....(250) 1220	Dundee, England GZDE .....(130) 1040	Jackson, USA WJDX .....(1,000) 1270	Jakarta, Indonesia WJAX .....(1,000) 900	La Paz, Bolivia CPX .....(1,000) 1350
WBAL .....(10,000) 1060	Bombay, India VUB .....(3,000) 840	Charleston, S. C., USA WCSC .....(500) 1360	Dunedin, New Zealand ZL4YA .....(500) 650	Jacksonville, USA WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lafayette, USA WBAA .....(500) 1400
WBFR .....(500) 1270	Bora, USA KIDD .....(1,000) 1350	Charlotte, Can. CFCY .....(500) 588	Durham, South Africa ZTD .....(1,000) 731	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lahli, Finland OFB .....(40,000) 167
Baku, Russia RW9 .....(10,000) 238	Bordeaux, France FPTT .....(13,000) 988	Chatelaineu, Belgium ONACE .....(200) 1388	Edmonton, Canada CHMA .....(250) 580	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Langensberg, Germany .....(60,000) 635
RW43 .....(1,200) 238	Bremen, Germany .....(300) 950	Chatham, Can. CFCO .....(250) 1210	Edinburgh, England G2EH .....(350) 1040	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Las Palmas, Canary Isl. EAR5 .....(500) 1071
Bangkok, Siam HSP1 .....(2,000) 856	Breilau, Germany .....(1,700) 923	Chattanooga, USA WDD .....(1,000) 1280	East Lansing, USA WKAAR .....(1,000) 1040	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lawrence, USA KFKU .....(500) 1220
Bangor, USA WLBZ .....(500) 820	Brisbane, Australia YK4QG .....(8,000) 768	Chicago, USA WIBO .....(1,000) 560	Eau Claire, USA WTAQ .....(1,000) 1330	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Leipzig, Germany .....(2,000) 1157
Barcelona, Spain EAJ1 .....(8,000) 860	Brno, Czechoslovakia OKB .....(38,000) 978	WPCO .....(500) 560	Hamburg, Germany WTAQ .....(1,000) 1330	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Leningrad, Russia RW3 .....(20,000) 300
EAJ13 .....(18,000) 1110	Bridgeport, USA WICC .....(250) 800	WMAQ .....(5,000) 720	Hannover, Germany XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	RW53 .....(100,000) 306
EAJ15 .....(1,000) 1193	Brookings, USA KFYD .....(1,000) 858	WGBM .....(1,000) 1048	Harbin, China CDBH .....(1,000) 674	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	RW38 .....(1,200) 856
Basel, Switzerland .....(500) 224	Brooklyn, USA WBBC .....(900) 1400	CKX .....(500) 930	Hartford, USA WTIC .....(50,000) 1060	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lille, France .....(1,300) 1130
.....(250) 287	Brussels, Belgium ON4RB .....(15,000) 598	WENR .....(50,000) 870	Hawthorn, Australia VK3HA .....(300) 1010	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lima, Peru OAX .....(1,500) 790
.....(500) 1220	Bucarest, Romania .....(12,000) 758	WFAF .....(500) 920	Hamilton, Canada CHCS .....(500) 630	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Limoges, France .....(700) 1022
Bay City, USA WBCN .....(500) 1410	Budapest, Hungary .....(20,000) 845	WFCF .....(5,000) 870	Hammer, Norway LKH .....(600) 511	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Ljubljana, Yugoslavia .....(3,000) 569
Beaumont, USA KFDM .....(500) 560	Buenos Aires, Argentina LP4 .....(5,000) 670	KYW .....(10,000) 1020	Hangchow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lodz, Poland .....(2,000) 1283
Belfast, England G2BE .....(1,200) 1297	BUENOS AIRES, ARGENTINA LS1 .....(5,000) 718	WMBI .....(5,000) 1080	Hanover, Germany XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	London, Natl., England .....(50,000) 1147
Belgrade, Yugoslavia .....(2,500) 898	LS7 .....(7,000) 758	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	London Reg., England .....(50,000) 842
Bendigo, Australia VK3BO .....(200) 970	LS8 .....(10,000) 1229	WGBL .....(1,000) 920	Hanover, Germany XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	London, Canada GJGC .....(8,000) 810
Bergen, Norway LKB .....(1,000) 824	LS9 .....(10,000) 1270	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Long Beach, USA KFOX .....(1,000) 1250
Berlin, Germany .....(1,700) 716	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KGER .....(1,000) 1360
.....(800) 1058	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Louisville, USA WHAB .....(25,000) 820
.....(35,000) 1035	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Los Angeles, USA KMTR .....(500) 570
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KTM .....(500) 780
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KFI .....(50,000) 640
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KHJ .....(1,000) 900
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KFYD .....(250) 1000
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KNX .....(25,000) 1058
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KFBG .....(500) 1120
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KRKD .....(500) 1120
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KFCAC .....(1,000) 1300
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KGEF .....(1,000) 1300
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	KECA .....(1,000) 1430
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Luxemburg, Luxemburg LOAA .....(18,000) 1344
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	Lwow, Poland SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 779
	LS9 .....(10,000) 1388	WGBS .....(1,000) 580	Hankow, China XGY .....(250) 895	Jakarta, Indonesia WJAX .....(1,000) 900	Jakarta, Indonesia WJAX .....(1,000) 900	SP6 .....(200) 7



# Radio Stations by Cities

The frequency, or kilocycle, is indicated by the figure at the right and the stations of each city are arranged in order of frequency and the cities alphabetically.

Madison, USA WHA (1,000) 940 WBA (500) 1280 Magdeburg, Germany MAG (600) 1058 Madras, India VUM (200) 770 Madrid, Spain EAJ (2,000) 707 EAJ2 (750) 750 Malmeborget, Sweden SCN (250) 689 Makhatchkala, Russia RW27 (1,000) 796 Malme, Sweden SBC (1,250) 1301 Mandan, USA KGCU (250) 1240 Manhattan, USA KSAC (500) 580 Marianao, Cuba CMCO (250) 660 CMOC (500) 660 MCGN (250) 930 CMCW (150) 1270 Marseille, France FPTT (1,500) 958 Matanzas, Cuba CMGH (150) 1040 Melbourne, Australia VK3AR (5,000) 810 VK3LO (5,000) 800 VK3UZ (500) 930 VK3DB (500) 1180 VK3KZ (200) 1350 VK3AW (500) 1430 Memphis, USA WREC (500) 800 WMC (500) 780 WNBK (500) 1430 Mendoza, Argentina LT4 (500) 759 Merida, Mex. XEY (105) 1060 Meridian, USA WCCO (500) 880 Mexico City, Mex. XF1 (1,000) 82 XFG (2,000) 840 XEN (1,000) 716 XEX (800) 780 XFX (500) 880 XEW (5,000) 910 XEO (5,000) 940 XEB (1,000) 1038 XETA (500) 1140 XEX (500) 1210 XEFA (250) 1250 XEM (250) 1300 Miami, USA WQAM (1,000) 560 WIOD (1,000) 1300 Midland Reg., England WTW (25,000) 752 Milan, Italy IMI (8,500) 599 IMI (7,000) 905 Minsk, Russia RW10 (4,000) 429 Milwaukee, USA WTMJ (1,000) 620 WHAD (250) 1120 WISN (250) 1120 Minneapolis, USA WCCO (80,000) 810 WGOY (1,000) 1180 WLB (1,000) 1250 WRHM (1,000) 1250 Miri, USA KLPN (250) 1240 Mississippi City, USA WGM (1,000) 590 Mobile, USA WDDX (500) 1410 Moncton, Can. CNRA (500) 630 Mont-de-Marsan, France MDE (250) 750 Monterrey, Mex. XET (500) 680 XEH (1,000) 1130 Montevideo, Uruguay CX6 (1,000) 650 CX10 (1,000) 730 CX12 (500) 770 CX14 (1,000) 810 CX18 (250) 890 CX28 (2,000) 930 CX22 (2,000) 878 CX24 (1,000) 818 CX26 (2,000) 1050 CX30 (250) 1130 CX32 (200) 1170 CX34 (500) 1218 CX38 (250) 1250 CW40 (580) 1340 CX42 (580) 1376 Montgomery, USA WBSA (500) 1418 Montpellier, France MMP (800) 1049 Montreal, Can. CHYC (5,000) 730 CKAC (5,000) 730 CFCF (500) 1030	Moonsheart, USA WJJJ (20,000) 1130 Moosa Jaw, Can. CJRM (500) 670 Morovska-Ostrava, Slov. MOS (11,000) 1137 Moscow, Russia RW1 (100,000) 203 RW49 (100,000) 230 RW58 (40,000) 269 RW2 (20,000) 417 RW37 (1,200) 604 RW37 (1,000) 793 RW39 (300) 793 Monala, Sweden SBB (30,000) 222 Muenster, Germany MUE (600) 1319 Muhlacker, Germany MUE (90,000) 833 Munich, Germany MUN (1,700) 583 Mukden, China COMK (2,000) 723 Nagano, Japan JONK (500) 635 Nagoya, Japan JOCK (10,000) 810 Nairobi, Kenya VQ7LO (1,000) 750 Nalchik, Russia RWSI (1,200) 748 Nanking, China XGZ (500) 608 Naples, Italy INA (1,500) 941 Nashville, USA WSM (50,000) 850 WLAC (5,000) 1470 Needham, USA WBSO (500) 920 Newark, USA WOR (50,000) 718 WAAM (1,000) 1250 WGCP (250) 1250 WNJ (250) 1450 Newcastle, Australia WNC (1,000) 1040 VK2HD (200) 1110 VK2NC (2,000) 1245 VK2KO (200) 1415 New Orleans, USA WWL (10,000) 850 WOSU (1,000) 1250 WSMB (500) 1320 New York, USA WMC (500) 570 WNYC (500) 570 WEAF (50,000) 660 WJZ (30,000) 760 WPCB (500) 610 WABC (50,000) 860 WHN (250) 1010 WQAO (250) 1010 WRNY (250) 1010 WLWL (5,000) 1100 WIV (1,000) 1130 WINS (500) 1180 WBBR (1,000) 1300 WEVD (500) 1300 WFAB (1,000) 1300 WBNX (250) 1350 WCDA (250) 1350 WMSG (250) 1350 Nice, France N15 (250) 1219 Niigata, Japan JOQK (500) 625 Nimes, France N15 (300) 1250 Nizhni-Nov., Russia RW42 (1,800) 394 RW42 (20,000) 589 Norfolk, USA WTAR (500) 780 WJAG (1,000) 1060 Norman, USA WNAD (500) 1010 Norfolk, USA KFKM (1,000) 1250 WCAE (1,000) 1250 WJAS (1,000) 1290 KQV (500) 1380 Plymouth, England GSPY (130) 1040 Pocatello, USA KSEI (250) 890 Pokrovsk, Russia RW55 (1,000) 730 Porsgrund, Norway LKP (700) 682 Portland (Me.), USA KGW (1,000) 620 KOIN (1,000) 840 WCSH (1,000) 840 KWJJ (500) 1080 KEX (5,000) 1180 KFJR (500) 1800 KTBK (500) 1300	Oakland, USA KLX (500) 880 KROW (500) 930 KLS (250) 1440 Oaxaca, Mex. XEE (105) 1000 Odessa, Russia RW13 (4,000) 666 Ogden, USA KLO (500) 1400 Okayama, Japan JOKK (500) 706 Oklahoma City, USA KFJF (5,000) 1480 Omaha, USA WOW (1,000) 590 WAAW (500) 660 Omak, Russia RW44 (1,200) 472 Orlando, USA WDBO (250) 1120 Oporto, Portugal OPR (3,000) 1442 Orebro, Sweden SCV (200) 1265 Orenburg, Russia RW45 (1,000) 462 Ornsk'vik, Sweden SCW (200) 1460 Osaka, Japan JOBK (10,000) 750 Oslo, Norway LKO (60,000) 277 Ostersund, Sweden SBF (600) 389 SOF (200) 1460 Ottawa, Can. CNRO (500) 600 Oufa, Russia RW22 (2,000) 444 Oukhta, Russia RW67 (2,000) 354 Ovideo, Spain OVI (700) 1121 Palermo, Italy IIPA (4,000) 554 Parana, Argentina LT5 (500) 1249 Paris, France P13 (13,500) 174 P13 (13,500) 200 FPTT (700) 671 Radio LL (1,200) 810 PAR (500) 901 PAR (60,000) 914 Paterson, USA WODA (1,000) 1250 Peking, China COPK (1,000) 937 Pensacola, USA WCOA (500) 1340 Penza, Russia RW56 (1,200) 640 Peoria, USA WMBD (500) 1440 Pernambuco, Brazil PRAP (3,000) 708 Perth, Australia VK6WF (5,000) 690 VK6PR (200) 880 VK6ML (300) 1135 Petrozav'k, Russia RW20 (1,200) 489 RW46 (1,200) 687 Philadelphia, USA WFI (500) 560 WLIT (500) 560 WFAN (500) 610 WIP (500) 610 WRAX (250) 1020 WCAU (50,000) 1170 Phoenix, USA KTAR (500) 620 KOY (500) 1390 Piatigorsk, Russia RW24 (1,200) 885 Pierre, USA KGFX (200) 630 Pittsburgh, USA KDKA (50,000) 980 WCAE (1,000) 1220 WJAS (1,000) 1290 KQV (500) 1380 Plymouth, England GSPY (130) 1040 Pocatello, USA KSEI (250) 890 Pokrovsk, Russia RW55 (1,000) 730 Porsgrund, Norway LKP (700) 682 Portland (Me.), USA KGW (1,000) 620 KOIN (1,000) 840 WCSH (1,000) 840 KWJJ (500) 1080 KEX (5,000) 1180 KFJR (500) 1800 KTBK (500) 1300	Oakland, USA KLX (500) 880 KROW (500) 930 KLS (250) 1440 Oaxaca, Mex. XEE (105) 1000 Odessa, Russia RW13 (4,000) 666 Ogden, USA KLO (500) 1400 Okayama, Japan JOKK (500) 706 Oklahoma City, USA KFJF (5,000) 1480 Omaha, USA WOW (1,000) 590 WAAW (500) 660 Omak, Russia RW44 (1,200) 472 Orlando, USA WDBO (250) 1120 Oporto, Portugal OPR (3,000) 1442 Orebro, Sweden SCV (200) 1265 Orenburg, Russia RW45 (1,000) 462 Ornsk'vik, Sweden SCW (200) 1460 Osaka, Japan JOBK (10,000) 750 Oslo, Norway LKO (60,000) 277 Ostersund, Sweden SBF (600) 389 SOF (200) 1460 Ottawa, Can. CNRO (500) 600 Oufa, Russia RW22 (2,000) 444 Oukhta, Russia RW67 (2,000) 354 Ovideo, Spain OVI (700) 1121 Palermo, Italy IIPA (4,000) 554 Parana, Argentina LT5 (500) 1249 Paris, France P13 (13,500) 174 P13 (13,500) 200 FPTT (700) 671 Radio LL (1,200) 810 PAR (500) 901 PAR (60,000) 914 Paterson, USA WODA (1,000) 1250 Peking, China COPK (1,000) 937 Pensacola, USA WCOA (500) 1340 Penza, Russia RW56 (1,200) 640 Peoria, USA WMBD (500) 1440 Pernambuco, Brazil PRAP (3,000) 708 Perth, Australia VK6WF (5,000) 690 VK6PR (200) 880 VK6ML (300) 1135 Petrozav'k, Russia RW20 (1,200) 489 RW46 (1,200) 687 Philadelphia, USA WFI (500) 560 WLIT (500) 560 WFAN (500) 610 WIP (500) 610 WRAX (250) 1020 WCAU (50,000) 1170 Phoenix, USA KTAR (500) 620 KOY (500) 1390 Piatigorsk, Russia RW24 (1,200) 885 Pierre, USA KGFX (200) 630 Pittsburgh, USA KDKA (50,000) 980 WCAE (1,000) 1220 WJAS (1,000) 1290 KQV (500) 1380 Plymouth, England GSPY (130) 1040 Pocatello, USA KSEI (250) 890 Pokrovsk, Russia RW55 (1,000) 730 Porsgrund, Norway LKP (700) 682 Portland (Me.), USA KGW (1,000) 620 KOIN (1,000) 840 WCSH (1,000) 840 KWJJ (500) 1080 KEX (5,000) 1180 KFJR (500) 1800 KTBK (500) 1300	Port au Prince, Haiti HHK (1,000) 920 Porto Alegre, Brazil PRAG (3,000) 708 Portsmouth, USA WHEB (250) 740 Poznan, Poland BP2 (350) 875 Poznan (1,900) 896 Prague, Slovakia OKP (120,000) 614 Providence, USA WEAN (250) 780 WJAR (500) 890 Pueblo, USA KGHF (250) 1320 Pullman, USA KWSC (1,000) 1220 Quincy, USA WTAD (500) 1440 Rabat, Morocco RAB (6,000) 721 Radio-Juan-les-Pin, Fr. RJP (800) 1205 Radio-Paris, France FCFR (75,000) 174 Radio-Vitus, France RVD (10,000) 958 Raleigh, USA WTF (1,000) 880 Radins, USA WEEU (1,000) 830 Red Deer, Can. CKLC (1,000) 84 Reno, USA KOH (500) 1380 Regina, Can. CHWC (500) 960 CKCK (500) 960 Rennes, France RNE (1,300) 1163 Reykjavik, Iceland TFU (21,000) 250 TFU (500) 1200 Reynosa, Mex. XED (10,000) 970 Rheims, France RHE (500) 777 Richmond, USA WRVA (5,000) 1110 Riga, Latvia YLZ (15,000) 572 Rio de Janeiro, Brazil PRAA (1,000) 750 PRAC (500) 857 PRAB (500) 937 PRAK (1,000) 1153 PRAX (1,000) 1364 Rjukan, Norway LKR (150) 671 Roanoke, USA WBJ (250) 930 WBBX (250) 1410 Rochester, USA WHAM (25,000) 1150 WHEC (500) 1440 Rockford, USA KFLV (500) 1410 Rockhampton, Australia VK4RK (2,000) 910 Roma, Italy IRO (50,000) 880 Rosario, Argentina LT3 (2,000) 1080 LV5 (500) 1388 Rostov, Russia RW12 (4,000) 271 RW12 (4,000) 354 Saffis, Sweden SCP (400) 1220 St. Catharines, Can. CKTB (500) 630 St. Etienne, France SET (250) 1384 St. John, Can. CFBO (500) 890 St. Johns, Newfoundland VOWR (500) 680 St. Joseph, USA KFEQ (2,500) 880 St. Louis, USA KSD (500) 550 WEW (1,000) 780 KMOX (50,000) 1090 KWK (1,000) 1850 St. Paul, USA KSTP (10,000) 1460 Saia Daeng, Slam HS11P (400) 882 Salamanca, Spain EAJ22 (1,000) 662 Salt Lake City, USA KSL (50,000) 1130 KDYL (1,000) 1290 Salzburg, Austria SAL (500) 1373 Samara, Russia RW16 (1,200) 522	Samar'k'd, Russia RW18 (2,000) 343 San Antonio, USA WOAI (50,000) 1190 KUSA (1,000) 1290 San Diego, USA KFSD (500) 600 KGB (500) 1330 San Francisco, USA KTAB (1,900) 560 KFRC (1,800) 610 KPO (50,000) 698 KGO (7,500) 790 KFWI (500) 930 KYA (1,000) 1230 San Jose, USA KWV (500) 1010 San Juan, Argentina LT6 (5,000) 730 San Juan, Porto Rico WKAQ (1,800) 1240 San Salvador, Salvador RUS (800) 660 San Sebastian, Spain EAJ8 (1,000) 662 Santiago, Chile CMAB (1,000) 825 CMAC (1,000) 804 CMAO (250) 1918 Stgo. de Cuba, Cuba CMKC (150) 1030 Santo Domingo, Dem. Rep. HIX (1,000) 670 Santos, Brazil PRAS (1,000) 687 Sao Paulo, Brazil PRAE (1,000) 815 PRAR (500) 1006 Sapporo, Japan JOIK (10,000) 830 Saratov, Russia RW3 (20,000) 340 RA32 (200) 714 Saskatoon, Can. CFQC (500) 910 Savannah, USA WTCC (500) 1260 Schenectady, USA WGY (50,000) 790 Scheveningen, Holland PCF (2,800) 280 Sendai, Japan JOHK (10,000) 780 Scottish Reg., England WVVA (50,000) 797 Scranton, USA WGBI (250) 880 WQAN (250) 880 Seattle, USA KXA (250) 760 KOMO (1,000) 820 KJR (5,000) 870 KTW (1,000) 1220 KOL (1,000) 1270 Sevastopol, Russia RA9 (250) 375 RA9 (1,200) 630 Sevilla, Spain EAJ5 (1,500) 815 Shanghai, China XCBL (400) 1276 Sheboygan, USA WHLB (500) 1410 Shenandoah, USA KNFA (800) 930 KNSA (500) 930 Shizuoka, Japan JOPK (500) 780 Shreveport, USA KWKH (10,000) 850 KTBS (1,000) 1450 Sioux Falls, USA KSCJ (1,000) 1330 Sioux Falls, USA K500 (2,500) 1110 Smolensk, Russia RW24 (2,000) 531 Sofia, Bulgaria SOF (1,000) 941 Soro, Denmark SRO (2,000) 309 Sottena, Switzerland SWN (25,000) 743 South Bend, USA WSBT (500) 1230 So. Coffeyville, USA KGGF (500) 1010 Spokane, USA KHQ (1,000) 590 KFPY (1,000) 1260 KGA (5,000) 1470 Springfield (Vt.), USA WNBX (250) 1260 Stalinabad, Russia RW47 (2,000) 421 State College, USA WPSC (500) 1230 Stalino, Russia RW26 (1,200) 810 Stavanger, Norway LKS (500) 1247 Stavropol, Russia RW32 (1,200) 608 Stetli, Ger. RW16 (1,200) 522 Stetli, Ger. RW16 (1,200) 522	Stettin, Ger. STW (600) 1058 Stevens Point, USA WLBL (2,000) 900 Stockholm, Sweden SBA (55,000) 689 Stockton, USA KBDM (250) 1100 Storrs, USA WCAC (250) 600 Strasbourg, France FPTT (9,000) 667 STP (11,500) 869 Stuttgart, Germany STU (60,000) 832 Summerside, Can. CHGS (500) 1120 Sunddall, Sweden SBB (10,000) 554 Superior, USA WBCB (1,000) 1290 Sverdlovsk, Russia RW5 (36,000) 364 RV53 (20,000) 541 Swansea, England GSXX (130) 1040 Sydney, Australia VK2FC (5,000) 665 VK2BL (5,000) 685 VK2GB (3,000) 950 VK3BO (200) 970 VK2UE (250) 1025 VK2KY (150) 1070 VK2UW (500) 1125 VK2SM (3,000) 1270 VK2CH (1,000) 1390 Sydney, USA WBFR (250) 570 WBFR (1,000) 1369 Tacoma, USA KVI (500) 570 KMO (250) 1330 Tacuman, Argentina LV7 (500) 881 Taihuo, Japan JFAK (1,000) 901 Tallin, Estonia TAL (1,000) 1004 TAL (1,000) 1013 Tallmadge, USA WADC (1,000) 1320 Tampa, USA WDAE (1,000) 1220 Tampere, Finland TAM (1,000) 1031 Tampico, Mex. XEB (500) 890 Tartu, Estonia TAR (500) 644 TAR (2,200) 735 Tashkent, Russia RW11 (25,000) 258 RW47 (2,800) 421 Tegucigalpa, Honduras HRB (2,300) 1376 Tientsin, China COTN (500) 625 XOL (500) 625 Tiflis, Russia RW7 (10,000) 280 Tijuana, Mex. XEFD (300) 1020 Tiraspol, Russia RW57 (4,000) 842 Toledo, USA WSPD (1,000) 1340 Tokio, Japan JOAK (10,000) 670 Tomsk, Russia RW48 (1,200) 645 Tonangole, USA WREN (1,000) 1220 Tepeka, USA WIBW (1,000) 580 Toronto, Can. CKCL (500) 580 CFRB (10,000) 890 CJCB (5,000) 840 CKGW (10,000) 840 CPRY (5,000) 840 CKNC (500) 960 CFCA (500) 1120 Torrone, Mex. XETB (125) 1380 Toulon, France TOL (500) 1200 Toulouse, France TOL (8,000) 770 FMRD (1,500) 1175 FPTT (700) 1175 Townsville, Australia VKATO (200) 1170 Tronton, USA WOAX (500) 1268 Trieste, Italy ITR (15,000) 1211 Troldhatten, Sweden TCO (250) 1193 Trondheim, Norway LKT (500) 662 Trondheim, Norway TRN (1,200) 668 Troy, USA WHAZ (500) 1300	Tucson, USA KVQA (500) 1260 Tulauev, Cuba CMHC (250) 796 Tulsa, USA KV00 (25,000) 1140 Tunis, Tunisia TUA (500) 235 Turin, Italy TUR (8,500) 1013 TUR (7,000) 1096 Turku, Finland OFB (600) 1220 Tver, Russia RA44 (1,200) 690 Twin Falls, USA KTFI (500) 1240 Umea, Sweden SCS (200) 1301 Uppsala, Sweden BCT (150) 662 Urbana, USA WILL (250) 890 Valencia, Spain VAL (1,500) 1121 Vancouver, Canada CNRV (500) 1030 CJOR (500) 1210 Varberg, Sweden SCU (300) 1202 Veliki O., Russia RW41 (1,200) 560 Vielthelm, Belgium VIE (15,000) 589 Veracruz, Mex. XETF (500) 630 Vermillion, USA KUSD (500) 890 Viborg, Finland OFH (1,500) 1081 Vicksburg, USA WQBC (500) 1360 Vienna, Austria UON2 (15,000) 531 Villa Acuna, Mex. XER (75,000) 740 Vladivostok, Russia RW26 (200) 636 Volgoda, Russia RA41 (1,200) 338 Voronezh, Russia RW25 (3,000) 388 Waco, USA WACO (1,000) 1240 Waggaui, New Zealand ZLZK (120) 600 Warsaw, Poland WAR (25,000) 203 WAR (120,000) 213 WAR (1,900) 1400 Washington, USA WMAJ (250) 630 WRC (500) 950 Waterloo, USA WMT (500) 600 Wellington, New Zealand ZLZY (5,000) 720 ZLZZ (400) 1128 Wheeling, USA WVVA (5,000) 1160 Wichita, USA KFH (1,000) 1300 Wichita Falls, USA WKGO (250) 570 Wilmington, USA WDEL (250) 1120 Wilno, Poland WIL (16,000) 533 WIL (500) 779 Windsor, Can. CKOK (1,000) 540 Winnipeg, Can. CKY (5,000) 780 Worcester, USA WTAB (250) 580 Yakhton, USA WNAX (1,000) 570 York (Neb.), USA KGBZ (500) 930 York (Pa.), USA WOPK (1,000) 1000 Yorkton, Can. CJGY (500) 630 Youngtown, USA WKBK (500) 570 Zagreb, Yugoslavia ZAG (700) 977 Zarephath, USA WAWZ (250) 1350 Zeezan, Ger. ZEE (60,000) 184 Zion, USA WCBD (5,000) 1088
--	--	---	---	--	--	---	---

# Classified Directory of WORLD SHORT WAVES

## 8 Classifications:

( BROADCAST (by Kilocycles)      AIR (by Operating Companies)  
POLICE (Alphabetically)      SHIP (Alphabetically by Names)  
PHONE (by Nations)      EXPERIMENTAL (by Kilocycles)  
CODE (by Kilocycles)      TELEVISION (by Sections) )

## and a Station Finder Call Chart

Each station, besides a listing in its own classification, is again listed in the general call chart (numerically by Kilocycles) showing frequency, wave length, call, location and the nature of the station. In most classifications, added details are contained in these classification lists, including hours of broadcast.

No attempt is made to include stations that hold a license but seldom operate, or stations that operate only at infrequent intervals. Broadcast stations only actually on the air, phone stations that transmit messages and ship and code stations actually heard by listeners are included. A complete list of air stations, used for calling planes in flight and police stations throughout the country are printed, as are the television assignments. A list of the highest power experimental stations is also printed.

Broadcast Directory	. . . . .	60-61
Municipal and State Police Calls	. . . . .	59
World Short Wave Phone Calls	. . . . .	62-63
Morse Code Stations	. . . . .	62-63
Air Stations	. . . . .	66
Ship Stations	. . . . .	59
Experimental Stations	. . . . .	59
Television Time Table	. . . . .	66
World Short Wave Kilocycle Directory (Station Finder)		64-65

## WHEN SHORT WAVE RECEPTION IS AT ITS BEST

In the Forenoon Dial . . . Above 15,000 Kilocycles

In the Afternoon Dial . . . 8,000 to 15,000 Kilocycles

In the Evening Dial . . . . Below 8,000 Kilocycles

The high frequencies (short waves) are used to span great distances so that the short wave set in a word, as compared to the long wave or broadcast wave receiver, is a set of great distances; but there are many factors which control reception and make the success of reception uncertain. Two fundamental factors in short wave broadcasting, however, have been discovered and used to advantage by broadcasters which have, in a measure, reduced uncertainty and improved on the results that may be obtained.

One of these is the time of day when reception is at its best for a given frequency. The other is the influence that both time of day and frequency exert on the "skip distance". Above 12,000 kilocycles reception generally is more satisfactory during the day than at night, whereas in frequencies below 6,000 kilo-

cycles night-time reception is better. It has been found experimentally that frequencies above 15,000 kilocycles can be heard only when the path between the transmitting station and the receiver lies entirely in daylight. For frequencies between 15,000 to 8,000 kilocycles reception is best when either the transmitter or the receiver lies in darkness, but not both. The reliable range of the sky wave will vary slowly from season to season, but very rapidly from day to night. The "skip distance" is at the minimum at noon, and increases to a maximum at midnight. The most unusual conditions of reception are encountered at sunrise and sunset when the most rapid changes occur. "Skip distance" is greater when the frequency is higher.

The foregoing accounts for broadcasters, well familiar with these physical agencies,

using different frequencies for different periods of the day as well as a frequency suitable for reaching the locality the broadcast is intended to cover.

The seasons of the year affect greatly short wave reception. Better reception on the shorter waves or higher frequencies may be expected, as a rule, during the Summer months, and better reception at 6,000 kilocycles and below during the Winter months. The higher frequencies are affected least by atmospheric disturbances or static, and good results may be obtained even in Midsummer during a severe thunder storm. On the other hand, these shorter waves are affected more by interference from trolley-cars, dial telephones, automobiles, electrical appliances, elevators and the many smaller electrical devices than the standard broadcast waves.

# MUNICIPAL POLICE CALLS

Practically every metropolitan police department in North America is now either equipped with a radio communication service or is having the service installed, which permits instant communication between the central station and its prowler cars everywhere. Following is a list of municipal and state police stations that have been licensed by the government. Dialing police stations and listening to reports of crime has become a popular practice but it is also the habit of many people to hurry to their automobiles and attempt to beat police cars to the scene of the crime. These people think they are helping the police, but in reality they are only hindering them and aiding the criminals in their efforts to get away. During the last year alone, many lives were lost as a result of curious people either chasing or preceding prowler cars to the place where the crime was committed.

<b>Akron, Ohio</b> WPDO .....(122.05) 2,485	<b>Cleveland, Ohio</b> WRBH .....(122.35) 2,451	<b>Greensburg, Pa.</b> WJL .....(1,165) 257	<b>New York, N. Y.</b> WCF .....(187.97) 1,596 WPEG .....(122.40) 2,450 WPY .....(685.00) 438 WPY .....(600.00) 500	<b>San Antonio, Texas</b> KGOY .....(175.23) 1,712 KGOH .....(94.22) 3,184
<b>Atlanta, Ga.</b> WPDY .....(124.27) 2,415	<b>Charlotte, S. C.</b> WPDV .....(122.05) 2,485	<b>Grosse Point, Mich.</b> WRDR .....(124.27) 2,415	<b>Oklahoma City, Okla.</b> KGPB .....(122.30) 2,452 KGPB .....(152.40) 2,450	<b>Seattle, Wash.</b> KGPA .....(187.90) 1,596 KGPA .....(124.17) 2,416 KGPA .....(123.86) 2,422
<b>Auburn, N. Y.</b> WPDN .....(175.23) 1,712 WPDN .....(122.05) 2,485	<b>Cedar Rapids, Iowa</b> KGOZ .....(121.50) 2,470	<b>Grand Rapids, Mich.</b> WPEB .....(123.86) 2,422	<b>Omaha, Neb.</b> KGPI .....(121.50) 2,470	<b>St. Paul, Minn.</b> WPDS .....(124.17) 2,416
<b>Arlington, Mass.</b> WPED .....(175.23) 1,712	<b>Detroit, Mich.</b> WCK .....(124.50) 2,415 WKDT .....(187.97) 1,596 WPDX .....(124.27) 2,415 WMO .....(124.27) 2,415 WMO .....(124.50) 2,410	<b>Harrisburg, Pa.</b> WBA .....(1,165.00) 257	<b>Pasadena, Cal.</b> KGJX .....(175.23) 1,712	<b>Syracuse, N. Y.</b> WPEA .....(122.05) 2,485
<b>Boston, Mass.</b> WEY .....(192.55) 1,554 WEY .....(175.23) 1,712	<b>Dallas, Texas</b> KVP .....(175.23) 1,712	<b>Houston, Texas</b> KGZB .....(175.23) 1,712	<b>Portland, Ore.</b> KGPP .....(123.86) 2,422 KGPP .....(122.30) 2,452	<b>Salt Lake City, Utah</b> KGPV .....(121.50) 2,470
<b>Beaumont, Texas</b> KGKM .....(187.90) 1,596 KGPJ .....(175.23) 1,712	<b>Denver, Colo.</b> KGPX .....(123.86) 2,422	<b>Honolulu, T. H.</b> KGPK .....(122.40) 2,450	<b>Richmond, Ind.</b> WPDH .....(124.17) 2,416 WPDH .....(123.86) 2,422	<b>San Jose, Cal.</b> KGPV .....(121.50) 2,470
<b>Berkeley, Cal.</b> KSW .....(175.23) 1,712 KSW .....(123.86) 2,422	<b>Dayton, Ohio</b> WPDN .....(124.17) 2,416	<b>Indianapolis, Ind.</b> WMDZ .....(123.86) 2,422 WMDZ .....(175.23) 1,712	<b>Sioux City, Iowa</b> KGPV .....(121.50) 2,470	<b>Tulare, Cal.</b> WPDA .....(124.20) 2,416 WPDA .....(124.27) 2,422
<b>Bakersfield, Cal.</b> KGPS .....(124.27) 2,415	<b>Davenport, Iowa</b> KGPV .....(121.50) 2,470	<b>Kansas City, Mo.</b> KGPE .....(123.86) 2,442	<b>Tulsa, Okla.</b> KGPO .....(122.40) 2,450	<b>Toledo, Ohio</b> WRDQ .....(121.50) 2,470
<b>Buffalo, N. Y.</b> WMJ .....(123.86) 2,422	<b>Des Moines, Iowa</b> KGPV .....(119.71) 2,505	<b>Kokomo, Ind.</b> WPDV .....(121.50) 2,470 WPDV .....(125.10) 2,398	<b>Vallejo, Cal.</b> KGPV .....(124.50) 2,410 KGPV .....(123.86) 2,422	<b>W. Reading, Pa.</b> WMB .....(1,165.00) 257
<b>Brooklyn, N. Y.</b> WPEE .....(122.40) 2,450 WPEF .....(122.40) 2,450 WRDU .....(187.97) 1,596	<b>Detroit, Mich.</b> WCK .....(124.50) 2,410 WKDT .....(175.23) 1,712	<b>Lansing, Mich.</b> WPDV .....(123.86) 2,422 WRDS .....(180.00) 1,662	<b>Pittsburgh, Pa.</b> WPDV .....(175.23) 1,712	<b>Washington, D. C.</b> WPDW .....(124.50) 2,410
<b>Butler, Pa.</b> WBR .....(1,165.00) 257	<b>East Lansing, Mich.</b> WRDS .....(190.60) 1,575	<b>Los Angeles, Cal.</b> KGPL .....(175.23) 1,712	<b>Richmond, N. Y.</b> WPDV .....(175.23) 1,712	<b>Wichita, Kan.</b> KGPZ .....(122.35) 2,451
<b>Chicago, Ill.</b> WPDB .....(175.23) 1,712 WPDC .....(175.23) 1,712 WPDD .....(175.23) 1,712	<b>Framington, Mass.</b> WMP .....(190.60) 1,575 WMP .....(180.00) 1,662	<b>Louisville, Ky.</b> WPDE .....(123.86) 2,422 WPDE .....(124.20) 2,416	<b>Rochester, N. Y.</b> WPDV .....(175.23) 1,712	<b>Youngstown, Ohio</b> WPDG .....(122.05) 2,458
<b>Cincinnati, Ohio</b> WKDU .....(175.23) 1,712	<b>Fort Worth, Texas</b> KGPV .....(175.23) 1,712	<b>Memphis, Tenn.</b> WPEC .....(121.50) 2,470	<b>San Francisco, Cal.</b> KGPV .....(187.97) 1,596 KGPV .....(124.50) 2,410	
<b>Columbus, Ohio</b> WPDI .....(124.20) 2,416 WPDI .....(123.45) 2,431	<b>Fresno, Cal.</b> KGZA .....(124.17) 2,416	<b>Miami, Fla.</b> WNSA .....(123.00) 2,440	<b>Shreveport, La.</b> KGPV .....(190.60) 1,575	
	<b>Flint, Mich.</b> WPDF .....(123.86) 2,422 WPDF .....(123.00) 2,440	<b>Minneapolis, Minn.</b> KGPV .....(124.17) 2,416	<b>St. Louis, Mo.</b> KGPV .....(175.23) 1,712	
	<b>Fort Wayne, Ind.</b> WPDZ .....(121.50) 2,470	<b>Milwaukee, Wis.</b> WPKD .....(122.40) 2,450 WPKD .....(122.30) 2,452	<b>Sommerville, Mass.</b> WPEH .....(175.23) 1,712	

## OCEAN LINERS WITH TELEPHONE FACILITIES

Ocean liners are now equipped with the same apparatus for telephone communications as large land stations, and calls are delivered and received in mid-ocean just as readily as on land. The following is a list of ships equipped for this service, together with their call letters and frequencies.

2,306K 130.00M Bremen ..... DDDX 8,837K 33.95M Homeric ..... GDLJ 13,230K 22.68M Leviathan ..... WSNB	4,177K 71.82M Belgenland ..... GMJQ 8,837K 33.95M Majestic ..... GFVV 13,230K 22.68M Minnetonka ..... GKFY	4,177K 71.82M Emp. of Britain ..... GMBJ 8,837K 33.95M Minnetonka ..... GKFY 13,230K 22.68M Mon'rch of Bermuda ..... GTSD	4,177K 71.82M Homeric ..... GDLJ 8,837K 33.95M Mon'rch of Bermuda ..... GTSD 13,230K 22.68M Olympic ..... GLSQ	4,177K 71.82M Leviathan ..... WSNB 8,837K 33.95M Olympic ..... GLSQ 17,595K 17.05M Electra (Marc. Ycht) ..... IBDX 17,595K 17.05M Electra (Marc. Ycht) ..... IBDX	4,177K 71.82M Majestic ..... GFVV 11,240K 26.69M Bremen ..... DDDX 13,040K 23.01M Hamburg ..... WSNB 22,68M Belgenland ..... GMJQ	4,177K 71.82M Minnetonka ..... GKFY 11,240K 26.15M Emp. of Britain ..... GMBJ 17,595K 17.05M Homeric ..... GDLJ 17,595K 17.05M Leviathan ..... WSNB	4,177K 71.82M Mon'rch of Bermuda ..... GTSD 11,470K 23.01M Emp. of Britain ..... GMBJ 17,595K 17.05M Minnetonka ..... GKFY	4,177K 71.82M Olympic ..... GLSQ 11,710K 22.68M Homeric ..... GDLJ 17,595K 17.05M Majestic ..... GFVV	7,560K 39.68M Bremen ..... DDDX 13,040K 23.01M Emp. of Britain ..... GMBJ 17,595K 17.05M Minnetonka ..... GKFY	8,810K 33.98M Leviathan ..... WSNB 13,230K 22.68M Mon'rch of Bermuda ..... GTSD	8,837K 33.95M Belgenland ..... GMJQ 13,230K 22.68M Olympic ..... GLSQ	8,837K 33.95M Empress of Britain ..... GMBJ 13,230K 22.68M Homeric ..... GDLJ 17,595K 17.05M
---	--	---	--	---	---	---	--	---	--	---	---	--

## PARTIAL LIST OF EXPERIMENTAL STATIONS

Experimental stations are licensed for the development of apparatus and any other advancement of the art, and are not permitted to broadcast entertainment programs; their use being, as their name indicates, along experimental lines. Following is a list of the largest of these stations.

300K 1000.00M W9XW, Hastings, Neb. .... Westing. Elec. 10KW 6,000K 50.00M W1XQ, Bradley, Me. .... Am. Tel. & Tel. Co. 25KW	790K 379.50M W2X1, Schenectady, N. Y. .... Gen. Elec. 15KW 6,425K 46.70M W2XAI, Newark, N. J. .... Westing. Elec. 50KW	1,545K 194.00M W3XN, Whippany, N. J. .... Bell Tel. Lab. 60KW 6,740K 44.51M W2XBJ, Rocky Pt., N. Y. .... R. C. A. 80KW	1,604K 187.03M W2XAM, New Brunswick, N. J. .... R. C. A. 10KW 7,000K 45.00M W2XA, Rocky Pt., N. Y. .... Am. Tel. Co. 190KW	1,604K 187.03M W2XD, Tuckerton, N. J. .... R. C. A. 10KW 12,850K 23.35M W6XN, Oakland, Cal. .... Gen. Elec. 10KW	1,604K 187.03M W2XB1, Rocky Pt., N. Y. .... R. C. A. 10KW 17,300K 17.34M W2XK, Schenectady, N. Y. .... Gen. Elec. 25KW	1,604K 187.03M W2XT, Rocky Pt., N. Y. .... R. C. A. 80KW 17,860K 16.98M W2XAO, New Brunswick, N. J. .... R. C. A. 80KW	1,604K 187.03M K6XO, Kahuku, Hawaii ..... R. C. A. 10KW 23,000K 13.04M W2XAW, So. Schenectady ..... Gen. Elec. 25KW	1,604K 187.03M W9XY, Chicago, Ill. .... Westing. Elec. 25KW 23,000K 13.04M W6XA, Salt Lake City ..... Univ. Wireless 50KW	1,604K 187.03M W1X1, Marion, Mass. .... R. C. A. 10KW 23,000K 13.04M W2XCT, New York, N. Y. .... Univ. Wireless 50KW	1,604K 187.03M W6X1, Bolinas, Cal. .... R. C. A. 10KW 23,000K 13.04M W6XZ, San Francisco ..... Univ. Wireless 50KW	1,604K 187.03M W2XAS, Rocky Pt., N. Y. .... R. C. A. 80KW 24,000K 12.50M W6XAQ, San Mateo, Cal. .... Fed. Tel. Co. 10KW	1,604K 187.03M W2XJ, Deal, N. J. .... Bell Telephone Co. 15KW 25,700K 11.67M W2XBZ, New Brunswick, N. J. .... R. C. A. 80KW	2,140K 140.80M W9XC, Chicago, Ill. .... Univ. Wireless 10KW 25,700K 11.67M W2XBC, Rocky Pt., N. Y. .... R. C. A. 10KW	3,030K 99.00M W6XV, Palo Alto, Cal. .... Fed. Tel. Co. 10KW 31,000K 9.68M W8XI, Pittsburgh, Pa. .... Westing. Elec. 20KW
--	--	--	--	--	--	--	---	---	--	--	---	---	---	--

# BROADCAST DIRECTORY of

<p><b>2738</b> M. 109.60 W. 9,000 <b>VE9CI</b> LONDON, Canada Daily 9-11 pm, Sun. 11 am-7 pm (Same EST)</p>	<p><b>6000</b> M. 50 W. .... <b>RW59</b> MOSCOW, Russia Thurs. and Sun. 11-Midnight (4-5 pm, EST)</p>	<p><b>6060</b> M. 49.50 W. 2,000 <b>VQ7LO</b> NAIROBI, Kenya, Africa 6-10 pm (10 am-2 pm, EST)</p>	<p><b>6205</b> M. 48.35 W. 200 <b>HKG</b> BOGOTA, Colombia Daily 11 am (Same EST)</p>
<p><b>4280</b> M. 70.1 W. 20,000 <b>RV15</b> KHABAROVSK, Russia 7-10 pm (5-8 am EST)</p>	<p><b>6000</b> M. 50 W. .... <b>EAJ25</b> BARCELONA, Spain Saturday 9-10 pm (4-5 pm, EST)</p>	<p><b>6070</b> M. 49.42 W. .... <b>VE9CS</b> VANCOUVER, B. C. Sun. 12:30-9 pm (3:30-Midnight) Fri. 9-10:30 pm (Midn.-1:30, EST)</p>	<p><b>6220</b> M. 48.2 W. 9,000 <b>I2RO</b> ROME, Italy</p>
<p><b>4795</b> M. 62.56 W. .... <b>VE9BY</b> LONDON, Canada Begins Midnight Saturday (Same EST)</p>	<p><b>6000</b> M. 50.00 W. .... <b>VS2AB</b> KUALA, LUMPIER, Malay Tues. and Fri. 6:30-8:30 pm (6:30-8:30 am, Sun. 7-9 pm (7-9 am, EST)</p>	<p><b>6072</b> M. 49.4 W. .... <b>UOR2</b> VIENNA, Austria Tue. &amp; Thu. 2:30-6 p (8:30-noon) 9-11 pm (1-5 pm, EST)</p>	<p><b>6250</b> M. 48 W. .... <b>CN8MC</b> CASABLANCA, Morocco Relays Rabat, Mon. &amp; Tue. 9-10 p (4-5 pm, EST)</p>
<p><b>4800</b> M. 62.50 W. .... <b>W2XV</b> LONG ISLAND CITY, N. Y. Friday 7-9:30 pm (Same EST)</p>	<p><b>6005</b> M. 49.97 W. 2,500 <b>HRB</b> TEGUCIAGALPA, Honduras Daily except Sat. 7 pm-Midnight (Same 8 pm-1 am, EST)</p>	<p><b>6080</b> M. 49.34 W. 500 <b>W9XAA</b> CHICAGO, Ill. Relays WCFL except Mon. &amp; Fri. Irregular hours</p>	<p><b>6316</b> M. 47.50 W. .... <b>TITR</b> SAN JOSE, Costa Rica 9-11 am (10-12 am, EST) 3-8:30 pm (4-9:30 pm, EST)</p>
<p><b>5172</b> M. 58.00 W. .... <b>PMY</b> BANDOENG, Java 1:40-3:40 pm (12:40-2:40 am, EST) 7:40-8:40 pm (6:40-9:40 am, EST)</p>	<p><b>6005</b> M. 49.97 W. 4,000 <b>VE9DR</b> DRUMMONDVILLE, Canada Relays CFCF 7-Midnight (Same EST)</p>	<p><b>6085</b> M. 49.29 W. .... <b>VE9BJ</b> ST. JOHNS, N. B. 5-11 pm (Same EST)</p>	<p><b>6382</b> M. 47 W. .... <b>HCIDR</b> QUITO, Ecuador Daily 8-10 pm (Same EST)</p>
<p><b>5502</b> M. 54.52 W. .... <b>W2XBH</b> NEW YORK, N. Y. Relays WCGU</p>	<p><b>6020</b> M. 49.83 W. 5,000 <b>W9XF</b> CHICAGO, Ill. Relays WENR 2:30-6 p (3:30-7 p) 7:30-Midnight (8:30-1 am, EST)</p>	<p><b>6095</b> M. 49.22 W. 500 <b>VE9GW</b> BOWMANVILLE, Canada Week Days 3-9 pm, Sun 11 a. 7 p (Same EST)</p>	<p><b>6383</b> M. 47 W. .... <b>HKS</b> CALI, Colombia Irregular, near 10 pm (Same EST)</p>
<p><b>5692</b> M. 52.70 W. .... <b>FIUI</b> TANANARIVE, Madagascar Sat., Sun. 9-11 pm (1-3 pm EST) Daily 5:15-7:15 p (9:15-11:15 a EST)</p>	<p><b>6024</b> M. 49.80 W. .... <b>XEW</b> MEXICO CITY, Mexico 6-9 pm Sunday (8-11 pm Sunday, EST)</p>	<p><b>6098</b> M. 49.20 W. 5,000 <b>JB</b> JOHANNESBURG, So. Africa Daily 6:30-11:30 pm (11:30 am-4:30 pm, EST)</p>	<p><b>6389</b> M. 46.96 W. .... <b>W3XL</b> BOUND BROOK, New Jersey No regular Schedule</p>
<p><b>5714</b> M. 52.50 W. .... <b>HCJB</b> QUITO, Ecuador Daily 8-10 pm (Same EST)</p>	<p><b>6037</b> M. 49.89 W. 2,500 <b>W4XB</b> MIAMI BEACH, Fla. 5 and 11 pm (Same EST)</p>	<p><b>6100</b> M. 49.18 W. .... <b>W9XF</b> CHICAGO, Ill. Relays WENR—3:30 pm-1 am (4:30 pm-2am, EST)</p>	<p><b>6428</b> M. 46.67 W. .... <b>VE9BY</b> LONDON, Canada Wed. 8:30-9:30 pm, Fri. 7-7:55 pm Sat. 8-11 pm (Same EST)</p>
<p><b>5803</b> M. 51.72 W. .... <b>VK3LR</b> VICTORIA, Australia 5-9:30 pm (2-6:30 am, EST)</p>	<p><b>6050</b> M. 49.60 W. .... <b>VE9HX</b> HALIFAX, Canada Relays CHNS Mon., Tues., 7-11 pm (6-10 pm)</p>	<p><b>6100</b> M. 49.18 W. 20,000 <b>W3XAL</b> BOUND BROOK, N. J. Daily 4 pm-Midnight (Same EST)</p>	<p><b>6438</b> M. 46.6 W. .... <b>REN</b> MOSCOW, Russia Relays Moscow 8 pm-1 am (1-6 pm, EST)</p>
<p><b>5882</b> M. 51.40 W. .... <b>HKB</b> TUNJA, Colombia Mon., Wed., Fri. &amp; Sat. 8-10 pm (Same EST)</p>	<p><b>6050</b> M. 49.59 W. 20,000 <b>GSA</b> DAVENTRY, England 6-8 pm, 8:30-10:30 pm and 1-3 am (1-3 pm, 3:30-5:30 pm and 8:10 pm, EST)</p>	<p><b>6129</b> M. 48.95 W. .... <b>YB11BMO</b> MARACAIBO, Venezuela 8-11 pm (Same EST)</p>	<p><b>6466</b> M. 46.40 W. 100 <b>TGW</b> GUATEMALA CITY, Guatemala 8-10 pm (9-11 pm, EST)</p>
<p><b>5929</b> M. 50.60 W. 200 <b>HKO</b> MEDELLIN, Colombia Week Days 8-10 pm (Same EST)</p>	<p><b>6059</b> M. 49.51 W. .... <b>ZL2ZX</b> WELLINGTON, New Zealand Mon., Wed., Thur., Sat. 5-8:30 pm (Same 12:30-4 am, EST)</p>	<p><b>6140</b> M. 48.86 W. .... <b>W8XK</b> PITTSBURGH, Pa. Wed. and Sat. 5-10 pm (Same EST)</p>	<p><b>6620</b> M. 45.31 W. .... <b>PRADO</b> RIOBAMBA, Ecuador Thursdays 9-11 pm (Same EST)</p>
<p><b>5941</b> M. 50.5 W. 15 <b>HKD</b> BARRANQUILLA, Colombia Daily 8-10 pm (Same EST)</p>	<p><b>6060</b> M. 49.5 W. .... <b>CMCI</b> HAVANA, Cuba 9-11 pm (Same EST)</p>	<p><b>6147</b> M. 48.8 W. 50 <b>HKA</b> BARRANQUILLA, Colombia 8-10 pm (Same EST)</p>	<p><b>6667</b> M. 45 W. 200 <b>8KR</b> CONSTANTINE, Algeria</p>
<p><b>5970</b> M. 50.26 W. 10,000 <b>HVJ</b> VATICAN CITY, Rome, Italy Daily 8-8:15 pm (2-2:15 pm EST) Sun. 11-11:30 am (5-5:30 am EST)</p>	<p><b>6060</b> M. 49.5 W. 10,000 <b>W8XAL</b> CINCINNATI, Ohio Relays WLW, 1:30-3 pm and 6-1:30 am (Same EST)</p>	<p><b>6147</b> M. 48.8 W. 3,500 <b>VE9CL</b> WINNIPEG, Canada Daily (except Sat.) 6:30-8:30 pm (7:30-9:30 pm, EST)</p>	<p><b>6976</b> M. 43 W. .... <b>EAR110</b> MADRID, Spain Tues. and Sat. 11:30 pm (6:30 pm, EST)</p>
<p><b>6000</b> M. 50 W. 300 ..... BUCHAREST, Romania</p>	<p><b>6060</b> M. 49.5 W. 500 <b>W3XAU</b> PHILADELPHIA, Pa. Afternoon and Evening (Same EST)</p>	<p><b>6166</b> M. 48.65 W. .... <b>XIF</b> MEXICO CITY, Mexico</p>	<p><b>7109</b> M. 42.2 W. 30 <b>HKN</b> MEDELLIN, Colombia 8-10 pm (Same EST)</p>

In this double page chart are listed only those stations that are broadcast stations in the true sense of the word and schedule music and entertainment. No attempt is made to include stations not now on the air or phantom stations that hold licenses but never or seldom operate. The list comprises stations in all continents and for the most part stations well known to listeners.

# WORLD'S SHORT WAVES

<p><b>7211</b> M. 41.6 <b>EAR58</b> W. 50 TENERIFE, Canary Islands Sat. and Sun., 8:30-10 pm (4:30-6 pm, EST)</p>	<p><b>9520</b> M. 31.51 <b>OXY</b> W. 500 SKAMLEBAEK, Denmark Relays Copenhagen Daily 8 pm (2 pm, EST)</p>	<p><b>10350</b> M. 28.98 <b>LSX</b> W. 20,000 BUENOS AIRES, Argentina Tests 9-11 pm (8-10 pm, EST)</p>	<p><b>14320</b> M. 20.95 <b>G2NM</b> W. .... SONNING-ON-THAMES, Eng. Sundays (Same EST)</p>
<p><b>7317</b> M. 41 <b>CM5RY</b> W. 50 MATANZAS, Cuba Saturdays 10:45-11:30 pm (Same EST)</p>	<p><b>9530</b> M. 31.48 <b>W2XAF</b> W. 40,000 SCHENECTADY, New York Relays WGY Daily 6-Midnight (Same EST)</p>	<p><b>11181</b> M. 26.83 <b>CT3AQ</b> W. 500 FUNCHAL, Madeira Tue.-Thu. 9-10:30 pm and Sun. 2:30-4 pm (Tue.-Thu. 5-6:30 pm-Sun. 10:30-12, EST)</p>	<p><b>14560</b> M. 20.6 <b>HBJ</b> W. .... GENEVA, Switzerland Testing</p>
<p><b>7444</b> M. 40.3 <b>HBQ</b> W. .... RADIO NATIONS, Switzerland (Sun. 5 pm, EST)</p>	<p><b>9560</b> M. 31.38 <b>DJA</b> W. 8,000 ZEESEN, Germany 2-3 and 4:30-7:30 pm (8-9 am, 10:30 am-1:30, EST)</p>	<p><b>11705</b> M. 25.63 <b>Ra.Col.</b> W. .... PONTOISE, France Daily 9 pm-Midnight (4-7 pm, EST)</p>	<p><b>15075</b> M. 19.9 <b>TI4NRH</b> W. 15 HEREDIA, Costa Rica Sat. 9-10 pm (10-11 pm) Sat., Sun., Mon. 10-11 am, 3-4 pm (11-Noon, 4-5 pm, EST)</p>
<p><b>7614</b> M. 39.40 <b>HJ3ABF</b> W. .... BOGOTA, Colombia Daily 7-11 pm (Same EST)</p>	<p><b>9570</b> M. 31.36 <b>WIXAZ</b> W. .... SPRINGFIELD, Mass. Relays WBZ Daily 6:30 am-10 pm (Same EST)</p>	<p><b>11720</b> M. 25.6 <b>VE9JR</b> W. 2,000 WINNIPEG, Canada Week Days 10:45-12:30 pm (11:45-11:30 pm, EST)</p>	<p><b>15120</b> M. 19.84 <b>HVJ</b> W. 10,000 VATICAN CITY, Rome, Italy Daily 1-1:20 pm (7-7:20 am, EST)</p>
<p><b>7616</b> M. 39.4 <b>HKF</b> W. .... BOGOTA, Colombia Daily 7-11 pm (Same EST)</p>	<p><b>9570</b> M. 31.35 <b>SRI</b> W. 1,000 POZNAN, Poland Tue. 7:45-10:45 p, Thu. 7:30 pm-2 (1:45-4:45 pm, 1:30-8 pm, EST)</p>	<p><b>11750</b> M. 25.53 <b>GSD</b> W. 20,000 DAVENTRY, England 9:30-11:30 am (4:30-6:30 am, EST)</p>	<p><b>15140</b> M. 19.82 <b>GSF</b> W. 15,000 DAVENTRY, England Irregular</p>
<p><b>7616</b> M. 39.4 <b>X26A</b> W. .... NEUVO LAREDO, Mexico Thurs. 10-11 am (Noon-1 pm, EST)</p>	<p><b>9580</b> M. 31.32 <b>HLB</b> W. .... RADIO NATIONS, Switzerland Testing</p>	<p><b>11800</b> M. 25.42 <b>WIXAL</b> W. .... BOSTON, Massachusetts Irregular</p>	<p><b>15205</b> M. 19.73 <b>DJB</b> W. 8,000 ZEEZEN, Germany Mon., Fri., Sat. and Sun 2-7 pm (8-1 pm, EST)</p>
<p><b>7772</b> M. 38.6 <b>HBP</b> W. .... GENEVA, Switzerland Testing</p>	<p><b>9585</b> M. 31.3 <b>GSC</b> W. 20,000 DAVENTRY, England 9:30-11:30 am and 6-8 pm (4:30-6:30 am and 1-3 pm, EST)</p>	<p><b>11810</b> M. 25.4 <b>I2RO</b> W. 9,000 ROME, ITALY 5-6:30 pm (11 am-12:30, EST) 9-11:30 pm (3-5:30 pm, EST)</p>	<p><b>15207</b> M. 19.72 <b>W8XK</b> W. .... PITTSBURGH, Pa. Relays KDKA Wed. &amp; Sat. 6 a-4 p (Same, EST)</p>
<p><b>8650</b> M. 34.68 <b>VE9BY</b> W. .... LONDON, Canada Monday 3-4 pm, Irregular hours (Same EST)</p>	<p><b>9590</b> M. 31.28 <b>W3XAU</b> W. 500 PHILADELPHIA, Pa. Relays WCAU 3 pm-Midnight except Thur. &amp; Fri. (Same, EST)</p>	<p><b>11810</b> M. 25.4 <b>VE9GW</b> W. 500 BOWMANVILLE, Canada Week Days Noon-3 pm (Same EST)</p>	<p><b>15234</b> M. 19.68 <b>Ra.Col.</b> W. .... PONTOISE, France Daily 1-4 pm (8-11 am, EST)</p>
<p><b>8650</b> M. 34.68 <b>W2XV</b> W. .... LONG ISLAND, N. Y. Friday 6-8:30 pm (Same EST)</p>	<p><b>9590</b> M. 31.28 <b>VK2ME</b> W. 20,000 SYDNEY, Australia Sun. 4-6 pm (Sat. 1-3 am, EST) Sun. 8-Midn. (Sat. 5-9 am, EST)</p>	<p><b>11840</b> M. 25.34 <b>W9XAA</b> W. 500 CHICAGO, Ill. Relays WCFL Broadcasts Irregularly</p>	<p><b>15341</b> M. 19.56 <b>W2XAD</b> W. 20,000 SCHENECTADY, N. Y. Relays WGY, Daily 3-6 pm, Sat. and Sun. 1-6 pm (Same, EST)</p>
<p><b>8955</b> M. 33.50 <b>TGX</b> W. .... GUATEMALA CITY, Guatemala Saturday 9-11 pm (Saturday 10-Midnight, EST)</p>	<p><b>9598</b> M. 31.25 <b>CT1AA</b> W. 2,000 LISBON, Portugal Tues., Thur., Fri. 9-Midnight (4-7 pm, EST)</p>	<p><b>11865</b> M. 25.28 <b>GSE</b> W. 20,000 DAVENTRY, England 2:30-4:30 pm (9:30-11:30 am, EST)</p>	<p><b>17770</b> M. 16.88 <b>GSG</b> W. 15,000 DAVENTRY, England 2:30-4:30 pm (9:30-11:30 am, EST)</p>
<p><b>9300</b> M. 32.26 W. 8,000 RABAT, Morocco (Sun. 8-10 pm) (Sun. 3-5 pm, EST)</p>	<p><b>9678</b> M. 31 <b>TI4NRH</b> W. 15 HEREDIA, Costa Rica Mon. to Fri. 8-9 pm (9-10 pm, EST)</p>	<p><b>11880</b> M. 25.25 <b>W8XK</b> W. .... PITTSBURGH, Pa. Relays KDKA 11 am-9 pm (Same EST)</p>	<p><b>17780</b> M. 16.87 <b>W3XAL</b> W. 20 BOUND BROOK, N. J. 8-4 pm (Same EST)</p>
<p><b>9500</b> M. 31.58 <b>PRBA</b> W. .... RIO DE JANEIRO, Brazil 7:30-9:30 pm (5:30-7:30 pm, EST)</p>	<p><b>9870</b> M. 30.40 <b>J1AA</b> W. .... KEMIKAWA-CHO, Japan Daily 7-9:45 pm (Daily 5-7:45 am, EST)</p>	<p><b>11905</b> M. 25.2 <b>Ra.Col.</b> W. .... PONTOISE, France Daily 3:30-6:30 pm (10:30-1:30 pm, EST)</p>	<p><b>18105</b> M. 16.57 <b>W9XAA</b> W. .... CHICAGO, Ill. Relays WCFL</p>
<p><b>9510</b> M. 31.55 <b>VK3ME</b> W. 5,000 MELBOURNE, Australia Wed. and Sat. 9:00-10:30 pm (6-7:30 am, EST)</p>	<p><b>9869</b> M. 30.4 <b>EAQ</b> W. 20,000 MADRID, Spain Daily 12:30-2 am, Sat. 6-8 pm (7:30-9 pm, Sat. 1-3 pm, EST)</p>	<p><b>11905</b> M. 24 <b>CT3AQ</b> W. 50 FUNCHAL, Madeira Tue, Thu 9:30-11:30 p (5:30-7:30 p, EST), Sun 3:30-5 p (11:30 a-1, EST)</p>	<p><b>18832</b> M. 15.93 <b>PLE</b> W. .... BANDOEING, Java Tuesdays 9:40-11:40 pm (Tuesdays 8:40-10:40 am, EST)</p>
<p><b>9510</b> M. 31.55 <b>GSB</b> W. 20,000 DAVENTRY, England 8:30-10:30 pm and 1-3 pm (3:30-5:30 pm and 8-10 am, EST)</p>	<p><b>10000</b> M. 30 W. .... BELGRADE, Jugoslavia Monday 9-10 pm (Monday 3-4 pm, EST)</p>	<p><b>12880</b> M. 23.38 <b>CNR</b> W. 2,500 RABAT, Morocco Sun. 1 pm (Sun. 8 am, EST)</p>	<p><b>21470</b> M. 13.97 <b>GSH</b> W. 15,000 DAVENTRY, England Irregular</p>

Station information is complete; at the left is the frequency (kilocycle) with the call at the right. Meter and watt (power) are printed in small figures. Below the location of the station is the time the station is on the air, figured in each instance as it is where the transmitter is located. In parenthesis the same schedule is given in Eastern Standard Time.

**UNITED STATES**

Phoning England from Lawrenceville, N. J.  
 21,060K 14.24M WKA ..... 8:00 am to 4:00 pm  
 19,820K 15.13M WKN ..... 8:00 am to 4:00 pm  
 19,210K 15.61M WKF ..... 8:00 am to 4:00 pm  
 18,340K 16.35M WLA ..... 8:00 am to 4:00 pm  
 16,269K 18.44M WLK .....  
 14,590K 20.56M WMN ..... Daylight  
 14,470K 20.73M WMF ..... Daylight  
 13,390K 22.40M WMA ..... Daylight  
 9,870K 30.40M WON ..... Evenings  
 9,750K 30.77M WOF ..... Evenings  
 9,170K 32.72M WNA ..... Evenings  
 6,755K 44.41M WOB ..... Nights

Phoning Argentina from Lawrenceville, N. J.  
 21,410K 14.01M WKK ..... 8:00 am to 4:00 pm  
 10,550K 28.44M WOK ..... Evenings

Phoning Bermuda from Lawrenceville, N. J.  
 6,755K 44.41M WOA ..... Nights  
 5,878K 51.09M WNB ..... Nights

Phoning ships from Ocean Gate, N. J.  
 17,120K 17.52M WOO ..... Irregular  
 12,840K 23.36M WOO ..... Irregular  
 8,563K 35.02M WOO ..... Irregular  
 4,752K 63.13M WOO ..... Irregular

Phoning Hawaii from Dixon, California  
 15,419K 19.46M KWO ..... 2:00 to 7:00 pm  
 15,350K 19.54M KWU ..... 2:00 to 7:00 pm  
 10,840K 27.68M KWV ..... Irregular  
 7,610K 39.42M KWX ..... Nights  
 7,566K 39.65M KWY ..... Nights

Phoning Japan from Bolinas, California  
 6,865K 43.7 M KEL ..... Irregular

Phoning Siam from Bolinas  
 10,340K 29.01M KER ..... Irregular

Phoning ..... from Bolinas  
 18,050K 16.61M KQJ ..... Irregular  
 15,430K 19.44M KEW ..... Irregular  
 14,150K 21.17M KKK ..... Irregular  
 11,945K 25.10M KKK ..... Irregular  
 10,417K 28.80M KES ..... Irregular  
 10,410K 28.82M KEZ ..... Irregular

Phoning United States from Kauhuku  
 16,030K 18.71M KKP ..... 2:00 to 7:00 pm  
 11,695K 25.65M KIO ..... 2 to 8 pm, Irregular  
 7,520K 39.89M KDK ..... 9:00 pm to 2:00 am  
 7,520K 39.89M KKH ..... 9:00 pm to 2:00 am  
 6,890K 43.54M KEQ ..... Nights

**COLOMBIA**

Phoning Chile from Bogota  
 18,460K 16.25M HJY ..... 11:00 am to 4:00 pm  
 Phoning Argentina from Bogota  
 18,460K 16.25M HJY ..... 11:00 am to 4:00 pm  
 Phoning Peru from Bogota  
 9,933K 30.20M HJY ..... Irregularly evenings

**CANADA**

Phoning Colombia from Drummondville  
 9,340K 32.1 CGA ..... 6:00 pm to 6:00 am

Phoning ships from Drummondville  
 4,780K 62.70M CGA ..... Irregular

Phoning ..... from Drummondville  
 6,840K 43.80M CFA ..... Irregular

Phoning England from Drummondville  
 18,170K 16.50M CGA ..... Irregular

**MEXICO**

Phoning Mexico from Merida  
 11,540K 26.00M XAM ..... 10:00 am to 10:00 pm  
 Irregular  
 5,769K 52.00M XAM ..... 10:00 am to 8:00 pm  
 Irregular

Phoning Mexico from Mexico City  
 5,882K 51.00M XDA ..... 10:00 am to 8:00 pm  
 Irregular

**CHILE**

Phoning Colombia from Santiago  
 19,685K 15.24M CEC ..... 11:00 am and 4:00 pm

11,670K 28.12M CEC ..... Evenings, Irregular

Phoning Argentina from Santiago  
 19,680K 15.24M CEC ..... 11:00 am and 4:00 pm

**ARGENTINA**

Phoning Europe from Buenos Aires  
 21,410K 14.01M LSM ..... Mornings  
 19,910K 15.07M LSG ..... 10:30 am to 3:30 pm

Phoning United States from Buenos Aires  
 21,020K 14.27M LSN ..... 8:00 am to 4:00 pm  
 14,490K 20.70M LSN ..... Afternoons  
 9,900K 30.3M LSN ..... 6:00 pm to 6:00 am

Phoning Colombia from Buenos Aires  
 18,960K 15.82M LSR ..... 11:00 am to 4:00 pm

Phoning Chile from Buenos Aires  
 18,960K 15.82M LSR ..... 11:00 am to 4:00 pm

**BRAZIL**

Phoning United States from Rio de Janeiro  
 10,220K 29.35M PSH ..... Evenings  
 8,185K 36.65M PSK ..... Irregular

Phoning France from Rio de Janeiro  
 19,270K 15.57M PPU ..... 10:30 am to 3:00 pm

Phoning Argentina from Rio de Janeiro  
 14,690K 20.42M PSS ..... Near 6:00 pm

**PERU**

Phoning Colombia from Lima  
 18,680K 16.06M OCI ..... Near 2:00 pm  
 10,970K 27.35M OCI ..... Evenings

**VENEZUELA**

Phoning Germany from Maracay  
 11,685K 25.67M YVQ ..... 5:00 to 7:00 pm

**BERMUDA**

Phoning England from Hamilton  
 5,049K 59.42M ZFA ..... Nights  
 5,049K 59.42M VRT ..... Nights

Phoning United States from Hamilton  
 10,067K 29.80M VRT ..... Daytime  
 10,067K 29.80M ZFB ..... Daytime  
 5,049K 59.42M VRT ..... Nights  
 5,049K 59.42M ZFA ..... Nights

**BELGIAN CONGO**

Phoning Belgium from Leopoldville  
 20,040K 14.97M OPL ..... Mornings  
 10,100K 29.70M OPM ..... 2:00 to 4:00 am  
 9:00 to 11:00 am  
 3:00 to 6:00 pm

**MOROCCO**

Phoning France from Rabat  
 12,830K 23.38M CNR ..... 5:00 to 8:00 am

Phoning ..... from Casablanca  
 6,875K 43.60M F8MC Sun., Tues., Wed., Sat.



4,015K 74.72M NAA, Arlington, Va. .... WX Weather 8:05 am  
 4,015K 74.72M NAA, Arlington, Va. .... WX Weather 11:00 pm  
 4,205K 71.40M NAA, Arlington, Va. .... WX Weather 10:00 pm  
 4,385K 68.41M NPG, San Francisco, Cal. .... WX Weather 10:30 pm  
 4,385K 68.41M NPG, San Francisco, Cal. .... WX Weather 9:00 pm  
 4,385K 68.41M NPG, San Francisco, Cal. .... WX Weather 9:00 am  
 4,385K 68.41M NPG, San Francisco, Cal. .... WX Weather 10:30 am  
 4,436K 67.62M NPN, Agana, Guam ..... PX Weather 4:00 pm  
 4,795K 62.56M W9XAM, Elgin, Ill. .... Time Signals .....  
 5,700K 52.63M ZLW, Wellington, N. Z. .... PX Weather 5:30 am  
 6,250K 48.00M XPN, Kamen, China ..... WX Weather 2:40 am  
 6,250K 48.00M XPZ, East Saddle, China ..... WX 2:40 am  
 6,280K 47.77M WWV, Washington, D. C. .... Std. Fre. Code 4:00 pm  
 6,280K 47.77M WWV, Washington, D. C. .... Std. Fre. Code 10:00 pm  
 6,420K 46.73M XPI, Pratas, Indo-China .... WX Weather 6:30 am  
 6,515K 46.05M WPN, Garden City, N. Y. .... PX Simult. 10:00 pm  
 6,520K 46.10M Pratas, XPI, Indo-China .... WX Weather 12:30 am  
 6,530K 45.94M KUP, San Francisco ..... Simultaneously 4:00 am  
 6,530K 45.94M KUP, San Francisco ..... PX Simultaneously 7:00 am  
 6,530K 45.94M KUP, San Francisco ..... WX Rep. of NPG 11:00 pm  
 6,530K 45.94M KUP, San Francisco ..... PX Simultaneously 10:00 pm  
 6,530K 45.94M KUP, San Francisco ..... WX 11:48 am  
 6,545K 45.84M WHD, New York ..... PX Simultaneously 1:00 am  
 6,545K 47.30M WRH, Carlstadt, N. J. .... PX 12:00 m  
 6,785K 44.22M WNU, New Orleans, La. .... PX, WX 11:30 pm  
 6,835K 43.90M EAJ, Aranjuez, Spain ..... PX, Repeat EAM 8:00 pm  
 8,015K 37.43M NPI, San Diego, Cal. .... PX General 3:00 pm  
 8,030K 37.34M NSS, Annapolis ..... WX Simultaneously 8:05 am  
 8,030K 37.34M NSS, Annapolis, Md. .... PX W 1:00 am  
 8,230K 36.45M KUP, San Francisco ..... PX CQ 10:00 pm  
 8,230K 36.45M KUP, San Francisco ..... WX 11:00 pm  
 8,230K 36.45M KUP, San Francisco ..... PX Stocks 7:00 am  
 8,230K 36.45M KUP, San Francisco ..... WX Simultaneously 11:00 pm  
 8,230K 36.45M KUP, San Francisco ..... PX 10:00 am  
 8,230K 36.45M KUP, San Francisco ..... PX CQ General 4:00 am

The two pioneer methods of communication, the telephone and the telegraph, continue to girdle the earth, but radio is gradually supplanting wires and cables as a means of transmitting the electrical impulses. Huge transoceanic systems of communications now extend into almost every part of the earth. Postal phone stations not only render commercial service from point to point but actually interconnect each continent's huge telephone networks so that any telephone subscriber anywhere may connect with his own phone, people in another part of the earth or with ships at sea. The telephone stations which are listed at the top of these two pages are part of a huge interconnecting world system,

8,240K 36.40M SAB, Karlsborg, Sweden ..... PX Simul. 2:00 am  
 8,250K 36.36M WRH, Carlstadt, N. J. .... PX 8:00 pm  
 8,350K 35.93M WHD, New York, N. Y. .... PX CQ General 1:00 am  
 8,370K 35.84M WSC, Tuckerton, N. J. .... PX 11:30 pm  
 8,400K 35.71M LGN, Bergen, Norway ..... PX Norwegian 1:00 am  
 8,410K 35.70M NAA, Arlington, Va. .... WX Simult. 10:00 pm  
 8,620K 34.80M XGX, Shanghai, China ..... PX CQ 9:00 am  
 8,630K 34.76M WPN, Garden City, N. Y. .... PX CQ 10:00 pm  
 8,640K 34.72M GBR, Rugby, England ..... PX 8:40 pm  
 8,640K 34.72M GBR, Rugby, England ..... PX CQ 7:00 pm  
 8,690K 34.52M KFS, Palo Alto, Cal. .... PX CQ General 1:00 am  
 8,720K 33.81M NAA, Arlington, Va. .... Time Signals 3:00 pm  
 8,830K 33.98M NAA, Arlington, Va. .... Time Signals 3:00 am  
 8,720K 33.81M NAA, Arlington, Va. .... Time Signals 10:00 pm  
 8,870K 33.82M NAA, Arlington, Va. .... Time Signals 12:00 m

"General Call," CQ; "Press

**ENGLAND**

Phoning United States from Rugby

18,620K	16.11M	GBU	6:00 am to 2:00 pm
18,310K	16.38M	GBS	6:00 am to 2:00 pm
18,130K	16.54M	GBW	6:00 am to 2:00 pm
14,460K	20.75M	GBW	6:00 am to 6:00 pm
12,290K	24.41M	GBU	2:00 to 7:00 pm
12,195K	24.6 M	GBS	2:00 to 7:00 pm
9,950K	30.15M	GBU	5:00 to 11:00 pm
9,083K	30.60M	GBW	Evenings
9,022K	33.25M	GBS	6:00 pm to 6:00 am
6,993K	42.9 M	GBS	6:00 pm to 6:00 am

Phoning Canada from Bodmin

18,105K	16.57M	GBK	6:00 am to 2:00 pm
13,600K	22.06M	GBB	Afternoons
13,600K	22.06M	GBC	Afternoons
9,260K	32.4 M	GNK	6:00 pm to 6:00 am

Phoning Canada from Bodmin

18,620K	16.10M	GBJ	Irregular
---------	--------	-----	-----------

Phoning ships from Rugby

20,410K	14.70M	GBA	Irregular
13,600K	22.06M	GBB	Afternoons
13,600K	22.06M	GBC	Afternoons
9,313K	32.21M	GBC	Irregular
4,977K	60.26M	GBC	Irregular

Phoning Australia from Rugby

16,160K	18.56M	GBX	4:00 to 11:00 pm
12,195K	24.60M	GBX	4:00 to 9:00 am

Phoning Argentina from Rugby

20,410K	14.70M	GBA	Irregular
---------	--------	-----	-----------

**SPAIN**

Phoning Argentina from Madrid

19,690K	15.23M	EAQ	7 to 11 am, Irregular
---------	--------	-----	-----------------------

**HOLLAND**

Phoning Java from Kootwijk

17,830K	16.82M	PCV	6:00 to 9:00 am
---------	--------	-----	-----------------

Phoning Java from Kootwijk

16,300K	18.40M	PCL	7:00 am
---------	--------	-----	---------

**GERMANY**

Phoning ships from Norden

16,610K	18.06M	DAN	9:00 am to Noon
12,500K	24.00M	DAN	Noon to 3:00 pm
8,328K	36.00M	DAN	2 to 4 am, 3 to 9 am

Phoning Mexico from Nauen

19,250K	15.58M	DFA	10 am to 2 pm, Irregular
---------	--------	-----	--------------------------

Phoning United States from Nauen

6,680K	44.91M	DGK	Near 9:00 pm
--------	--------	-----	--------------

Phoning Argentina from Nauen

20,040K	14.97M	DHO	7 to 11 am, Irregular
---------	--------	-----	-----------------------

Phoning from Nauen

20,140K	14.89M	DWG	10 am to 3:00 pm
---------	--------	-----	------------------

**FRANCE**

Phoning France from St. Assise

18,240K	16.44M	FTE	5:00 to 9:00 am
15,870K	18.90M	FTK	9:00 to 10:00 am

Phoning United States from St. Assise

12,265K	24.46M	FTN	Irregular
---------	--------	-----	-----------

Phoning Argentina from St. Assise

19,355K	15.50M	FTM	10:00 am to 2:00 pm
---------	--------	-----	---------------------

Phoning French Colonies from Pontoise

11,920K	25.16M	FYA	12:30 to 2:00 pm
---------	--------	-----	------------------

Phoning French Indo-China from Paris

20,680K	14.50M	FSR	Irregular
---------	--------	-----	-----------

**BELGIUM**

Phoning Belgian Congo from Brussels

10,350K	28.99M	ORK	2:00 to 4:00 am 9:00 to 11:00 am 3:00 to 6:00 pm
---------	--------	-----	--

**SIAM**

Phoning from Bangkok

17,750K	16.90M	HSIPJ	7:00 to 9:30 am 1:00 to 3:00 pm Sundays
---------	--------	-------	--

**SUMATRA**

Phoning Java from Medan

10,417K	28.80M	PKP	3:00 to 8:00 am
---------	--------	-----	-----------------

Phoning Australia from Medan

10,417K	28.80M	PKP	3:00 to 8:00 am
---------	--------	-----	-----------------

**OCEANIA**

Phoning Australia from Wellington

18,350K	16.35M	ZLW	Irregular
12,295K	24.40M	ZLW	3:00 to 8:00 am
8,900K	33.70M	ZLT	1:00 to 9:00 am

Phoning England from Sydney

10,530K	28.5M	VK2ME	1:00 to 7:00 am
7,945K	37.76M	VK2ME	3:00 to 7:00 am

Phoning Java from Sydney

9,760K	30.75M	VK2ME	4:00 to 8:00 am
9,760K	30.75M	VLK	4:00 to 8:00 am

**JAVA**

Phoning Australia from Bandoeng

12,295K	24.40M	PLM	Near 6:30 pm
9,485K	31.63M	PLW	3 to 8 am, Irregular
9,420K	31.86M	PLV	4:00 to 8:00 am
5,150K	58.30M	PMY	Near 11:00 am

Phoning Sumatra from Bandoeng

9,420K	31.86M	PLV	4:00 to 8:00 am
--------	--------	-----	-----------------

Phoning Holland from Bandoeng

20,610K	14.55M	PMB	3:10 to 4:40 am 8:00 to 9:20 am
18,830K	15.93M	PLE	Friday 5:40 to 10:40 am
18,180K	16.50M	PMC	3:10 to 9:20 am
10,630K	28.20M	PLR	Weekdays from 7:00 am

Phoning from Bandoeng

17,850K	16.80M	PLF	Irregular
18,370K	16.33M	PMC	Irregular
15,950K	18.80M	PLG	Afternoons

**INDIA**

Phoning from Calcutta

11,870K	25.25M	VUC	9:45 to 10:45 pm 8:00 to 9:00 am
---------	--------	-----	-------------------------------------

**FRENCH INDO CHINA**

Phoning from Saigon

16,200K	18.50M	FZR	Irregular
---------	--------	-----	-----------

**CHINA**

Phoning from Shanghai

18,700K	16.04M	XGK	
16,390K	18.30M	XGN	
7,968K	37.65M	XGL	

Phoning California from Shanghai

7,580K	39.58M	XGO	
--------	--------	-----	--

**JAPAN**

Phoning California from Kemikawa-Cho

7,880K	38.07M	J1AA	Irregular
--------	--------	------	-----------

hone  
STATIONS  
raph

being the principal outlets of various countries and stations actively engaged in transoceanic communications. The tables are self-explanatory, indicating frequency and time (EST), and the continent with which they work. The telegraph or Morse code stations are on the air regularly and the time given is the time that exists where the station is located. Most of these stations are, however, given over to weather reports, time signals and press service relays rather than to regular commercial transmissions. A great many listeners practice the Morse code by listening to these very interesting reports while ships at sea depend upon information transmitted in the code.

8,872K	33.81M	NPO, Cavite, P. I.	WX Weather	7:30 am
8,872K	33.81M	NPO, Cavite, P. I.	WX Weather	9:00 am
8,872K	33.81M	NPO, Cavite, P. I.	PX Weather	2:00 pm
8,872K	33.81M	NPO, Cavite, P. I.	WX	11:30 pm
8,892K	33.75M	NPO, Cavite, P. I.		10:00 am
9,050K	33.15M	NPO, Cavite, P. I.	Time Signals	10:00 am
9,150K	32.79M	NAA, Arlington, Va.	WX Aviation	8:05 pm
9,434K	31.80M	SAJ, Karlsborg, Sweden	PX Swedish	2:00 am
9,677K	31.00M	FVA, Alger, Algeria		3:45 am
9,771K	30.70M	EAM, Aranjuez, Spain	PX Spanish	7:00 pm
10,150K	29.55M	DIS, Nauen, Germany	PX English	2:00 am
10,150K	29.55M	DIS, Nauen, Germany	PX English	3:50 am
10,150K	29.55M	DIS, Nauen, Germany	PX German	5:00 pm
10,150K	29.55M	DIS, Nauen, Germany	PX Spanish	6:00 pm
10,150K	29.55M	DIS, Nauen, Germany	PX German	9:00 pm

News," PX; "Weather," WX

10,470K	28.65M	WNU, New Orleans, La.	WX Weather	11:30 am
10,470K	28.65M	WNU, New Orleans, La.	PX	8:30 am
10,470K	28.65M	WNU, New Orleans, La.	PX General	1:00 pm
10,526K	28.50M	FFZI, Kaukaza, China	WX	4:45 am
10,526K	28.50M	FFZI, Kankoza, China	WX	6:30 am
10,563K	28.40M	NAA, Arlington, Va.	Time Signals	3:00 am
11,050K	27.15M	KTK, Mussel Rock, Cal.	World PX CQ	8:00 pm
11,170K	26.86M	KUP, San Francisco	PX Simul.	10:00 am
11,170K	26.86M	KUP, San Francisco	PX	4:00 pm
11,170K	26.86M	KUP, San Francisco	PX News	7:30 pm
11,260K	26.60M	WRH, Carlstadt, N. J.	PX	4:00 pm
11,340K	26.44M	DAN, Noreich, Germany	Time Signals	7:00 pm
11,630K	25.80M	RXB, Almirante, Panama	WX Weather	12:30 pm
11,744K	16.90M	NPO, Cavite, P. I.	WX Simul.	11:30 pm
11,744K	16.90M	NPO, Cavite, P. I.	WX Simul.	7:30 am
11,980K	25.40M	GBR, Rugby, England	PX CQ British	3:00 pm
12,000K	24.98M	FZG, Saigon, Fr. Indo-China	Time Sig.	2:00 pm
12,045K	24.89M	NAA, Arlington, Va.	Time Signals	12:00 m
12,045K	24.89M	NSS, Annapolis, Md.	Time Signals	9:57 pm
12,047K	24.91M	NAA, Arlington, Va.	Time Signals	12:00 m
12,225K	24.50M	NAA, Arlington, Va.	WX Simul.	8:05 am
12,720K	23.58M	VBT, Louisburg, N. S.	PX	9:30 am
12,820K	23.40M	8ZW, Shanghai, China	WX Stm. Warn.	8:45 pm
13,308K	22.55M	NPN, Agana, Guam	PX Simul.	4:00 pm
16,060K	16.68M	NAA, Arlington, Va.	Time Signals	12:00 m
16,820K	17.83M	NAA, Arlington, Va.	WX Weather	10:00 am
16,820K	17.83M	NAA, Arlington, Va.	WX Weather	11:00 am
13,308K	22.54M	NPO, Cavite, P. I.	Time Signals	10:00 am
13,575K	22.10M	NPO, Cavite, P. I.	Time Signals	10:00 am
16,460K	18.22M	KUP, San Francisco	PX Simul.	4:00 pm
16,840K	17.81M	KUP, San Francisco	PX Simul.	7:30 pm
16,850K	17.80M	NAA, Arlington, Va.	Time Signals	12:00 m
17,744K	16.90M	NPO, Cavite, P. I.	Time Signals	10:00 am
18,100K	16.67M	NPO, Cavite, P. I.	Time Signals	10:00 am
19,950K	15.03M	DIH, Nauen, Germany	PX	

1,500 Kilocycles

Table listing radio stations for 1,500 Kilocycles, including call letters, frequency, and location.

1,500 Kilocycle; 200.00 Meters

Table listing radio stations for 1,500 Kilocycle; 200.00 Meters, including call letters, frequency, and location.

2,000 Kilocycle; 150.00 Meters

Table listing radio stations for 2,000 Kilocycle; 150.00 Meters, including call letters, frequency, and location.

2,500 Kilocycle; 120.00 Meters

Table listing radio stations for 2,500 Kilocycle; 120.00 Meters, including call letters, frequency, and location.

2,500 Kilocycles

Table listing radio stations for 2,500 Kilocycles, including call letters, frequency, and location.

3,000 Kilocycle; 100.00 Meters

Table listing radio stations for 3,000 Kilocycle; 100.00 Meters, including call letters, frequency, and location.

4,000 Kilocycle; 75.00 Meters

Table listing radio stations for 4,000 Kilocycle; 75.00 Meters, including call letters, frequency, and location.

5,000 Kilocycle; 60.00 Meters

Table listing radio stations for 5,000 Kilocycle; 60.00 Meters, including call letters, frequency, and location.

5,500 Kilocycles

Table listing radio stations for 5,500 Kilocycles, including call letters, frequency, and location.

SHORT STATION

This double page comprises all the short wave stations, in a handy chart, that have been classified and listed on other pages according to their nature and service performed. They are listed numerically by

- Telephone (Ph)
Broadcasting (Br)
Ship (Sh)
Police (Po)

Table listing radio stations for 6,000 Kilocycle; 50.00 Meters, including call letters, frequency, and location.

6,000 Kilocycle; 50.00 Meters

Table listing radio stations for 6,000 Kilocycle; 50.00 Meters, including call letters, frequency, and location.



6,500 Kilocycles

Table listing radio stations and their frequencies for the 6,500 Kilocycles section.

8,500 Kilocycles

9,000 Kilocycle; 33.33 Meters

Table listing radio stations and their frequencies for the 9,000 Kilocycle; 33.33 Meters section.

13,500 Kilocycles

Table listing radio stations and their frequencies for the 13,500 Kilocycles section.

15,000 Kilocycle; 20.00 Meters

Table listing radio stations and their frequencies for the 15,000 Kilocycle; 20.00 Meters section.

17,000 Kilocycle; 17.64 Meters

Table listing radio stations and their frequencies for the 17,000 Kilocycle; 17.64 Meters section.

10,000 Kilocycle; 30.00 Meters

Table listing radio stations and their frequencies for the 10,000 Kilocycle; 30.00 Meters section.

12,000 Kilocycle; 24.98 Meters

Table listing radio stations and their frequencies for the 12,000 Kilocycle; 24.98 Meters section.

23,000 Kilocycle; 13.04 Meters

Table listing radio stations and their frequencies for the 23,000 Kilocycle; 13.04 Meters section.

WAVE Tion der

kilocycles and the key letters at the end of each line indicate the nature of the station and the classification to which each station belongs where further information is given.

Air Stations (Ai)
Television (Tv)
Experimental (Ex)
Code (Co)

Table listing radio stations and their frequencies for the 6,800 Kilocycles section.

7,000 Kilocycle; 45.00 Meters

Table listing radio stations and their frequencies for the 7,000 Kilocycle; 45.00 Meters section.

# TELEVISION TIME TABLE AND FREQUENCY SCHEDULE

Call	Kilo.	Meter	L. & F.	Power	Call	Kilo.	Meter	L. & F.	Power
<b>CALIFORNIA</b>					<b>MARYLAND</b>				
<b>BAKERSFIELD—PIONEER MERCANTILE CO.</b>					<b>SILVER SPRINGS—JENKINS LABORATORIES</b>				
W6XAH	2,000-2,100	(150.00-142.90)	96-20	1,000	W3XK	2,000-2,100	(150.00-142.90)	60-20	5,000
5:00 to 6 pm, PST, Daily except Sat. and Sun.; Sat. 5:00 to 6:00 and 7:00 to 8:00 pm, PST.					8:00 to 10:00 pm, EST.				
<b>LOS ANGELES—DON LEE, INC.</b>					W3XK				
W6XS	2,100-2,200	(142.90-136.40)	80-15	1,000	W3XK	43,000-46,000	( 6.97- 6.52)	80-15	1,000
6:00 to 7:00 pm, PST.					W3XK				
W6XAO	43,000-46,000	( 6.97- 6.52)	80-15	150	W3XK	48,500-50,300	( 6.18- 5.96)	80-15	1,000
W6XAO	48,500-50,300	( 6.18- 5.96)			W3XK	60,000-80,000	( 5.00- 3.75)	80-15	1,000
W6XAO	60,000-80,000	( 5.00- 3.75)			<b>NEW YORK</b>				
6:00 to 7:00 pm, PST, except Sunday and Holidays.					<b>LONG ISLAND CITY—UNITED RESEARCH CORP.</b>				
<b>ILLINOIS</b>					W2XBO				
<b>CHICAGO—CHICAGO FEDERATION OF LABOR</b>					W2XR				
W9XAA	2,750-2,850	(109.10-105.30)		1,000	W2XR	2,100-2,200	(142.90-136.40)	60-20	500
<b>CHICAGO—WESTERN TELEVISION CORPORATION</b>					W2XR				
W9XAP	2,000-2,100	(150.00-142.90)	45-15	2,500	W2XR	2,850-2,950	(105.30-101.69)	60-20	500
11:30 to 12:30, 2:00 to 3:30, 4:45 to 5:45, 6:30 to 7:00 pm, CST.					W2XR				
<b>CHICAGO—CHICAGO DAILY NEWS</b>					W2XR				
W9XR	2,100-2,200	(142.90-136.40)		2,500	W2XR	43,000-46,000	( 6.98- 6.52)	60-20	500
<b>DOWNER'S GROVE—GREAT LAKES BROADCASTING CO.</b>					W2XR				
W9XAO	2,850-2,950	(105.30-101.70)	45-15	5,000	W2XR	48,500-50,300	( 6.19- 5.96)	60-20	500
Noon to 1:30 pm, 4:15 to 5:15 pm, CST, with sound over WIBO (560 kc). Without sound track, 7:00 to 8:30 pm, CST.					W2XR				
<b>INDIANA</b>					W2XR				
<b>WEST LAFAYETTE—PURDUE UNIVERSITY</b>					NEW YORK—COLUMBIA BROADCASTING SYSTEM				
W9XG	2,750-2,850	(109.10-105.30)	60-20	1,500	W2XAB	2,750-2,850	(109.10-105.30)	50-20	500
Tuesday and Thursday, 2:00 to 2:45, 7:00 to 7:45, 9:00 to 9:45 pm, CST.					7:00 to 9:00 EST, daily except Saturday and Sunday.				
<b>IOWA</b>					<b>NEW YORK—NATIONAL BROADCASTING CO., INC.</b>				
<b>IOWA CITY—STATE UNIVERSITY OF IOWA</b>					W2XBS				
W9XAZ	2,000-2,100	(150.00-142.90)		500	W2XBS	2,100-2,200	(142.90-136.40)	50-20	5,000
<b>MASSACHUSETTS</b>					1:00 to 4:00 pm, 6:00 to 9:00 pm, EST, daily except Sundays and holidays.				
<b>BOSTON—SHORTWAVE AND TELEVISION LABORATORY</b>					<b>NEW YORK—JENKINS TELEVISION CORP.</b>				
W1XAV	1,600-1,700	(187.40-176.40)	60-20	1,000	W2XCR	2,000-2,100	(149.90-142.80)	60-20	5,000
2:00 to 4:00 pm, 8:00 to 10:00 pm, EST, daily except Sunday. 9:00 to 10:00 pm Monday, Thursday and Friday.					3:00 to 5:00 pm, 6:00 to 8:00 pm, EST, daily; 5:00 to 9:00 pm, EST Sunday; sound track over WINS; (1,180 kc) 9:00 to 10:00 pm, daily.				
<b>NEW JERSEY</b>					<b>NEW YORK—JENKINS TELEVISION CORP.</b>				
<b>BOUND BROOK—NATIONAL BROADCASTING CO., INC.</b>					W3XDS				
W3XAK	2,100-2,200	(142.80-135.10)	60-20	5,000	W3XDS	43,000-46,000	( 6.98- 6.52)	60-20	2,000
1:00 to 4:00 pm, 6:00 to 9:00 pm, EST, daily except Sundays and holidays.					W3XDS				
<b>CAMDEN—R. C. A. VICTOR COMPANY, INC.</b>					W3XDS				
W3XAD	2,100-2,200	(142.90-136.40)		500	W3XDS	48,500-50,300	( 6.19- 5.96)	60-20	2,000
W3XAD	43,000-46,000	( 6.97- 6.52)			W3XDS	60,000-80,000	( 5.00- 3.75)	60-20	2,000
W3XAD	48,500-50,300	( 6.18- 5.96)			<b>NEW YORK—NATIONAL BROADCASTING CO., INC.</b>				
W3XAD	60,000-80,000	( 5.00- 3.75)			W2XF	43,000-46,000	( 6.97- 6.52)		5,000
<b>PASSAIC—DE FOREST RADIO CO.</b>					W2XF				
W2XCD	2,000-2,100	(150.00-142.90)	60-20	6,000	W2XF	48,500-50,300	( 6.19- 5.96)		5,000
<b>PENNSYLVANIA</b>					W2XF				
<b>EAST PITTSBURGH—WESTINGHOUSE ELEC. &amp; MFG. CO.</b>					SCHENECTADY—GENERAL ELECTRIC CO.				
W8XAV	2,100-2,200	(142.90-136.40)	60-20	20,000	W2XCW	2,100-2,200	(142.90-136.40)		20,000
2:30 to 3:30 pm, EST, Friday only.					SCHENECTADY—GENERAL ELECTRIC CO.				
<b>EAST PITTSBURGH—WESTINGHOUSE ELEC. &amp; MFG. CO.</b>					W2XVW				
W8XT	660-	(455.00- )		25,000	W2XVW	2,100-2,200	(142.90-135.10)	60-20	20,000
<b>WISCONSIN</b>					3:30 to 4:30 pm, EST, Friday.				
<b>MILWAUKEE—THE JOURNAL CO.</b>					<b>PENNSYLVANIA</b>				
W9XD	43,000-46,000	( 6.97- 6.52)	45-15	500	<b>EAST PITTSBURGH—WESTINGHOUSE ELEC. &amp; MFG. CO.</b>				
W9XD	48,500-50,000	( 6.18- 5.96)	45-15	500	W8XAV				
W9XD	60,000-80,000	( 5.00- 3.75)	45-15	500	2:30 to 3:30 pm, EST, Friday only.				

## AIR LINE STATIONS CALLS AND FREQUENCIES

### Transcontinental Air Transport

3,180K 96.77M	5,555K 54.00M
WAEF.....Newark, N. J.	WAEF.....Newark, N. J.
WAE.....Camden, N. J.	WAE.....Camden, N. J.
WAED.....Harrisburg, Pa.	WAED.....Harrisburg, Pa.
WAE.....Pittsburgh, Pa.	WAE.....Pittsburgh, Pa.
WAE.....Columbus, Ohio	WAE.....Columbus, Ohio
WAEA.....Indianapolis, Ind.	WAEA.....Indianapolis, Ind.
KGTR.....St. Louis, Mo.	KGTR.....St. Louis, Mo.
KSY.....Tulsa, Okla.	KSY.....Tulsa, Okla.
KSW.....Amarillo, Texas	KSW.....Amarillo, Texas
KSX.....Albuquerque, N. M.	KSX.....Albuquerque, N. M.
KGPL.....Kingman, Ariz.	KGPL.....Kingman, Ariz.
KG TJ.....Las Vegas, Nev.	KG TJ.....Las Vegas, Nev.
KSI.....Los Angeles, Cal.	KSI.....Los Angeles, Cal.
KGTD.....Wichita, Kans.	KGTD.....Wichita, Kans.
KST.....Kansas City, Mo.	KST.....Kansas City, Mo.

### American Airway Stations

5,860K 53.00M	WSDC.....Newark, N. J.	WSDQ.....Cleveland, Ohio
WSDM.....Albany, N. Y.		
WDSO.....Buffalo, N. Y.		

Following is a list of the principal air transport lines with the station calls and their frequencies. They come on the air suddenly, deliver a message and go right off again. This list contains only the land stations, while airplanes in flight may be found on the same wavelength.

### Southern Air Transport Lines

3,490K 88.00M	5,633K 53.25M
WQDP.....Atlanta, Ga.	WQDP.....Atlanta, Ga.
WSD.....Tuscaloosa, Ala.	WSD.....Tuscaloosa, Ala.
WSDB.....Jackson, Miss.	WSDB.....Jackson, Miss.
KGUK.....Shreveport, La.	KGUK.....Shreveport, La.
KGUF.....Dallas, Texas	KGUF.....Dallas, Texas
KGUC.....Fort Worth, Tex.	KGUC.....Fort Worth, Tex.
KGUL.....Abilene, Texas	KGUL.....Abilene, Texas
KGUG.....Big Springs, Tex.	KGUG.....Big Springs, Tex.
KGUA.....El Paso, Texas	KGUA.....El Paso, Texas

### Boeing Air Transport Lines

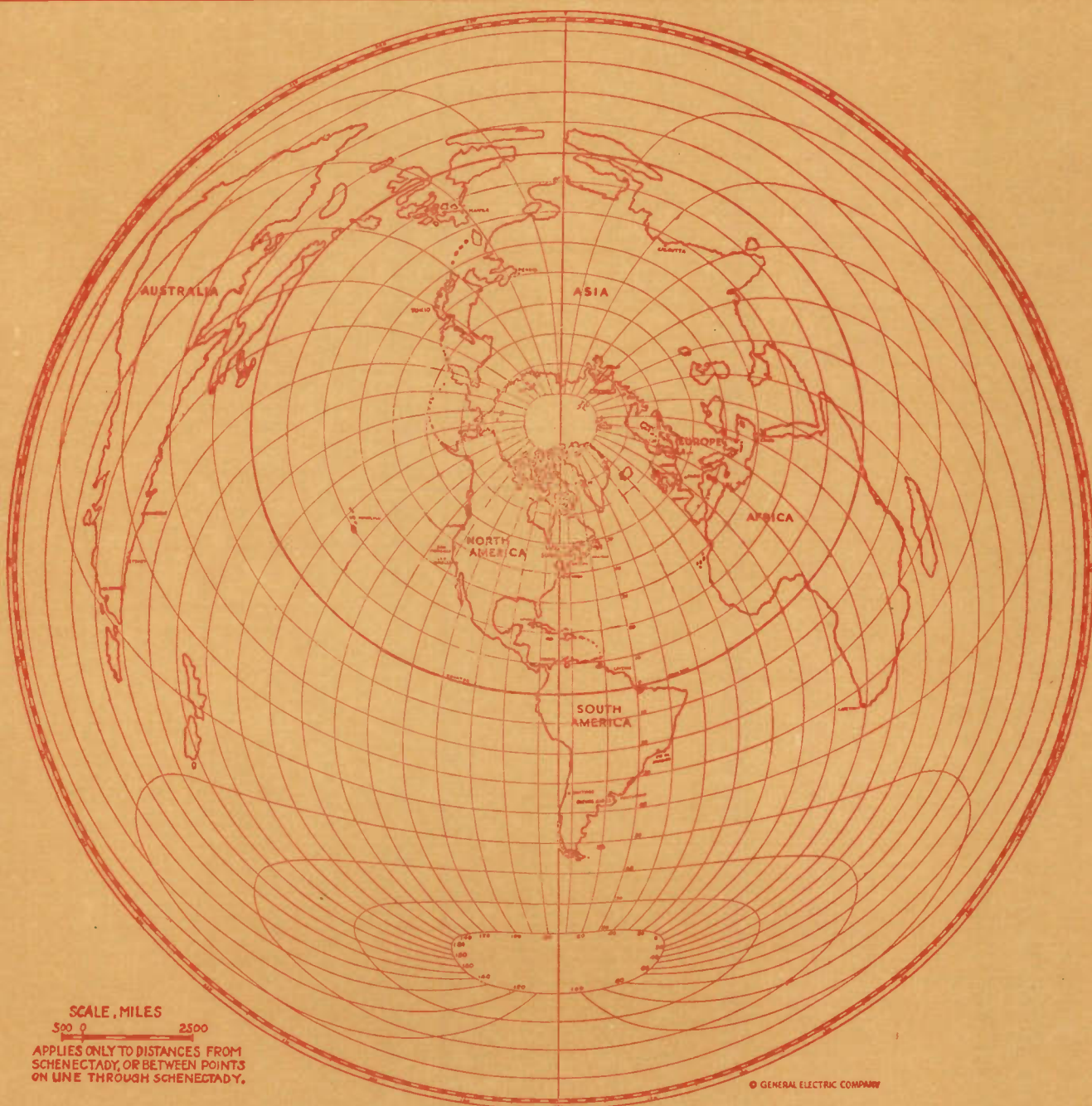
5,604K 53.53M	3,173K 94.52M
WQDU.....Aurora, Ill.	WQDU.....Aurora, Ill.
KQQ.....Iowa City, Iowa	KQQ.....Iowa City, Iowa
KQM.....Des Moines, Iowa	KQM.....Des Moines, Iowa
KMP.....Omaha, Nebr.	KMP.....Omaha, Nebr.
KRF.....Lincoln, Nebr.	KRF.....Lincoln, Nebr.
KMR.....North Platte, Nebr.	KMR.....North Platte, Nebr.
KQE.....Cheyenne, Wyo.	KQE.....Cheyenne, Wyo.
KQC.....Rock Springs, Wyo.	KQC.....Rock Springs, Wyo.
KQD.....Salt Lake City, Utah	KQD.....Salt Lake City, Utah
KKO.....Elko, Nevada	KKO.....Elko, Nevada
KJE.....Reno, Nevada	KJE.....Reno, Nevada
KFO.....Oakland, Cal.	KFO.....Oakland, Cal.
KRA.....Boise, Idaho	KRA.....Boise, Idaho
KDD.....Pasco, Wash.	KDD.....Pasco, Wash.

### United Airways

5,660K 53.00M	KVO.....Portland, Ore.	KZJ.....Seattle, Wash.
KEU.....Burbank, Cal.		KFM.....Sacramento, Cal.
KGT.....Fresno, Cal.		
KGE.....Medford, Ore.		
KQX.....Bakersfield, Cal.		

# RADIO ATLAS

Time Zone Maps and Distances  
Conversion Tables and Network Maps



## Straight Line Distances [Equidistant Zenithal Projection]

If you have ever tried to figure the distance between any point in North America and a city in Asia, or South Africa, making due allowance for the curvature of the earth, you will appreciate this distorted map which was drawn for the convenience of radio engineers of the General Electric Company in interpreting transmission tests.

It is known as an "equidistant zenithal projection," which means that you don't have to resort to spherical trigonometry or a slide rule to get either direction or distance between two points on the face of the earth, one point of which is the center of the earth.

This map is drawn with Schenectady as a center and all measurements, to be accurate, must be from or to Schenectady. An entirely different distortion would be produced if the map were drawn with London or Melbourne as a center.

The projection has three main uses. First it gives the straight line distance between Schenectady and any other point on the earth's surface. This is obtained by measuring the distance from Schenectady to the point in question and converting this measurement in inches into miles by means of the scale at the bottom of the map.

The map is valuable, in the second place, as it shows the nature of the intervening territory between Schenectady and any other point.

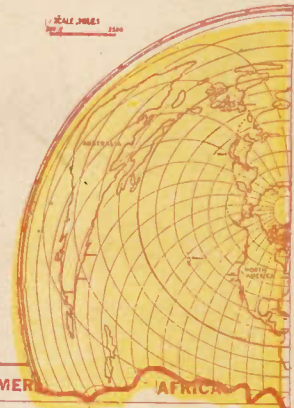
This is highly important for the radio engineer for, as is well known, the distance over which radio signals can be transmitted depends, among other things, on the nature of intervening territory, that is whether it is land or water. Distance transmission over territory three-fourths of which is water and one-fourth land is not so difficult as transmission over the same distance three-fourths land and one-fourth water.

In the third place the map gives the exact bearing or direction from Schenectady to any other point on the earth's surface. This bearing is obtained by extending a straight line through Schenectady and the point in question to the scale on the periphery of the map which reads directly in degrees. It would not be supposed, for example, that radio signals from Schenectady would travel within a few degrees of the north pole to reach Manila. The average person would not expect a radio wave, traveling in a straight line and the shortest distance to Calcutta, to take a north-easterly route.

# WORLD AIRLINE

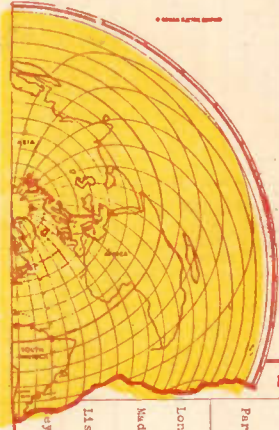
The principal world radio centers are shown on this double chart of distances

		NORTH AMERICA										SOUTH AMERICA			AFRICA									
		Montreal, Que.	New York, N. Y.	Schenectady, N. Y.	Toronto, Ont.	Pittsburg, Pa.	Winnipeg, Man.	Chicago, Ill.	New Orleans, La.	Denver, Colo.	Los Angeles, Cal.	San Francisco, Cal.	Vancouver, B. C.	Rio de Janeiro, Brazil.	Georgetown, Br. Guiana.	Buenos Aires, Argentina.	Santiago, Chile.	Cairo, Egypt.	Capo Town, U. of S. A.	Algiers, Algeria.	Teneriffe, Canary Is.			
FROM TO		314	200	314	429	1615	671	1343	1000	2220	1320	1681	2278	2090	2298	2055	5117	2691	5742	5508	4469	7891	3828	3320
WORLD		1523	1823	257	350	1427	702	1259	1085	2114	1618	1786	2446	2419	2568	2419	4766	2535	5352	5195	5586	7695	3906	3281
DISTANCES		1963	1719	257	214	1429	348	1057	814	1943	1214	1542	2005	1850	2042	1643	5078	2818	5686	5362	5742	8086	4141	3594
ARE		1953	2266	3711	3398	1951	2365	3125	1719	2031	3281	2930	1719	2031	3281	2930	1719	2031	3281	2930	1719	2031	3281	2930
GIVEN		1797	1953	3203	2734	1680	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
ABOVE		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
THIS		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
LINE		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
MEXICO, ETC.		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
CANADA		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719
UNITED STATES		1862	1797	2773	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719	1758	1958	2422	1719



# DISTANCE CHART

The distance in miles between each point and every other city listed is shown



EUROPE										EUROPE-ASIA					ASIA					OCEANIA							
London, England	Paris, France	Oslo, Norway	Rome, Italy	Berlin, Germany	Prague, Czechoslovakia	Vienna, Austria	Stockholm, Sweden	Helsingfors, Finland	Leningrad, Russia	Moscow, Russia	Irkutsk, Russia	Vladivostok, Russia	Bombay, India	Calcutta, India	Bangkok, Siam	Bandoeng, Java	Manilla, P. I.	Shanghai, China	Kyuden, China	Tokyo, Japan	Adelaide, So. Australia	Melbourne, Victoria	Sydney, New So. Wales	Auckland, New Zealand			
2383	3203	2358	3184	3477	3320	4062	3888	3789	3984	5488	5937	7839	7878	8941	8766	8144	7113	8216	6434	6434	10624	10440	10031	8924			
2617	3261	3477	3320	3555	3555	4150	3887	3884	4141	3789	4023	4102	4443	8781	6289	7658	7773	8555	10029	8246	7246	6344	6445	10287	10430	9986	8867
2545	3281	3477	3350	3555	3477	4180	3789	3945	4141	3711	2945	4062	4375	5625	7055	7616	7656	8369	8961	8145	7021	6254	6971	10362	10313	9687	8623
2656	3477	3672	3316	3711	3633	4366	3945	4102	4258	3956	4023	4219	4452	5822	5977	7850	7733	8750	10278	8246	7199	6445	6494	10312	10079	9687	8515
2862	2584	3789	3672	3967	3628	4492	4141	4297	4414	3789	4558	4414	4727	5781	6172	7850	7733	8750	10278	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
2862	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
2552	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2676	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2862	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
2552	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2676	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2862	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
2552	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2676	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2862	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
2552	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2676	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2862	4102	4258	3672	4141	3789	4805	4288	4414	4648	3964	4141	4258	4570	5400	4195	7272	7244	7612	9023	8246	7199	6445	6494	10312	10079	9687	8515
2984	4336	4570	4005	4905	4922	5352	5156	5273	5391	5186	5352	5508	6959	7189	7227	8145	8145	9247	10117	8246	7199	6445	6494	10312	10079	9687	8515
3008	3945	4141	3906	4141	3945	4805	4375	4375	4697	4180	4375	4492	4943	5625	5937	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515
3760	4545	4687		4766	4727	5391	5078	5195	5352	4961	5156	5195	5625	5484	6650	7656	7656	8369	8961	8246	7199	6445	6494	10312	10079	9687	8515

**DISTANCES**

**BETWEEN**

**NORTH**

**AMERICAN**

**RADIO**

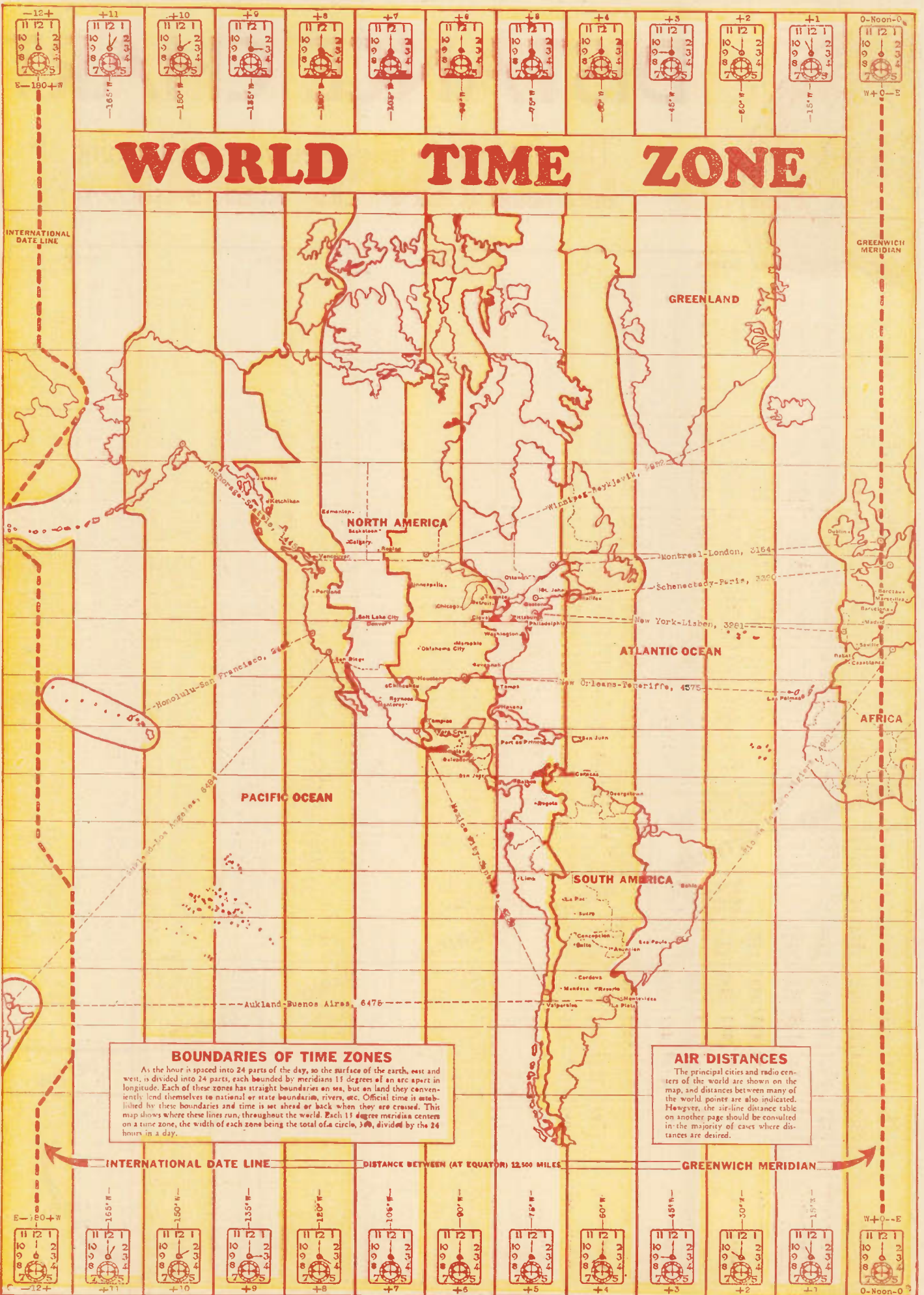
**CENTERS**

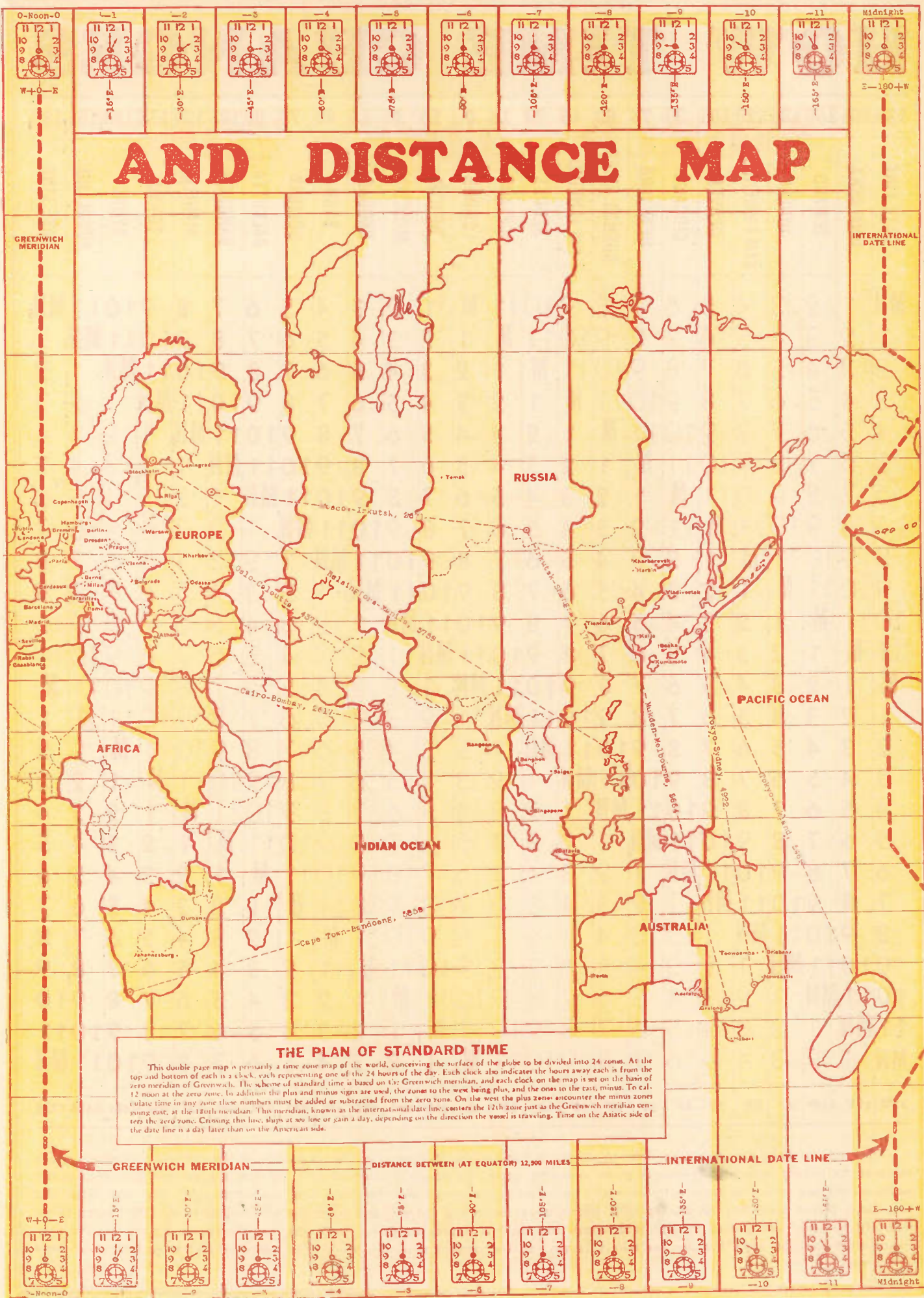
**BELOW**

**UNITED STATES**

Fargo, N. Dak. . . . .  
 Ft. Worth, Tex. . . . .  
 Kansas City, Kans. . . . .  
 Galveston, Tex. . . . .  
 Des Moines, Iowa . . . . .  
 Minneapolis, Minn. . . . .  
 Shreveport, La. . . . .  
 Hot Springs, Ark. . . . .  
 St. Louis, Mo. . . . .  
 Memphis, Tenn. . . . .  
 Nashville, Tenn. . . . .  
 Louisville, Ky. . . . .  
 Detroit, Mich. . . . .  
 Cincinnati, Ohio . . . . .  
 Cleveland, Ohio . . . . .  
 Atlanta, Ga. . . . .  
 Jacksonville, Fla. . . . .  
 Buffalo, N. Y. . . . .  
 Miami, Fla. . . . .  
 Washington, D. C. . . . .  
 Baltimore, Md. . . . .  
 Philadelphia, Pa. . . . .  
 Boston, Mass. . . . .  
 Portland, Me. . . . .







# AND DISTANCE MAP

**THE PLAN OF STANDARD TIME**

This double page map is primarily a time zone map of the world, conceiving the surface of the globe to be divided into 24 zones. At the top and bottom of each is a clock, each representing one of the 24 hours of the day. Each clock also indicates the hours away each is from the zero meridian of Greenwich. The scheme of standard time is based on the Greenwich meridian, and each clock on the map is set on the basis of 12 noon at the zero zone. In addition the plus and minus signs are used, the zones to the west being plus, and the ones to the east, minus. To calculate time in any zone these numbers must be added or subtracted from the zero zone. On the west the plus zones encounter the minus zones going east, at the 180th meridian. This meridian, known as the international date line, centers the 12th zone just as the Greenwich meridian centers the zero zone. Crossing this line, ships at sea lose or gain a day, depending on the direction the vessel is traveling. Time on the Asiatic side of the date line is a day later than on the American side.

GREENWICH MERIDIAN      DISTANCE BETWEEN (AT EQUATOR) 12,500 MILES      INTERNATIONAL DATE LINE

# HOW TIME CHANGES

180	165	150	135	120	105	90	75	60	45	30	15	0	15	30	45	60	75	90	105	120	135	150	165	180
DATE LINE	UNALASKA	SEWARD	JUNEAU	SAN FRANCISCO	DENVER	CHICAGO	NEW YORK	BUENOS AIRES	RIO JANEIRO	AZORES	ICELAND	LONDON	BERLIN	MOSCOW	BAGDAD	BAKU	BOMBAY	CALCUTTA	BANGKOK	MANILA	TOKYO	SYDNEY	AUCKLAND	DATE LINE
MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN
1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1
2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2
3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3
4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4
5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5
6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6
7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7
8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8
9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9
10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10
11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11
M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M
1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1
2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2
3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3
4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4
5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5
6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6
7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7
8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8
9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9
10	11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10
11	MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11
MN	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN

This table contains the changes in time, in plainly printed figures, that occur as the time zones of the earth are traversed, and is designed for instant reckoning of time as given in another zone. Its design is identical with the double page time zone map of the world on the two following pages with Greenwich meridian in the center and the "date line" on either side. The map shows the boundaries of the zones but the printed table affords easier reckoning. M indicates noon and MN midnight; the AM figures (from midnight to noon) are printed in light face figures and the PM figures are dark. As on the map the degree figures (at the top) indicate the meridian while the plus and minus figures (at the bottom) show the hours to be added or subtracted from mean time at Greenwich.



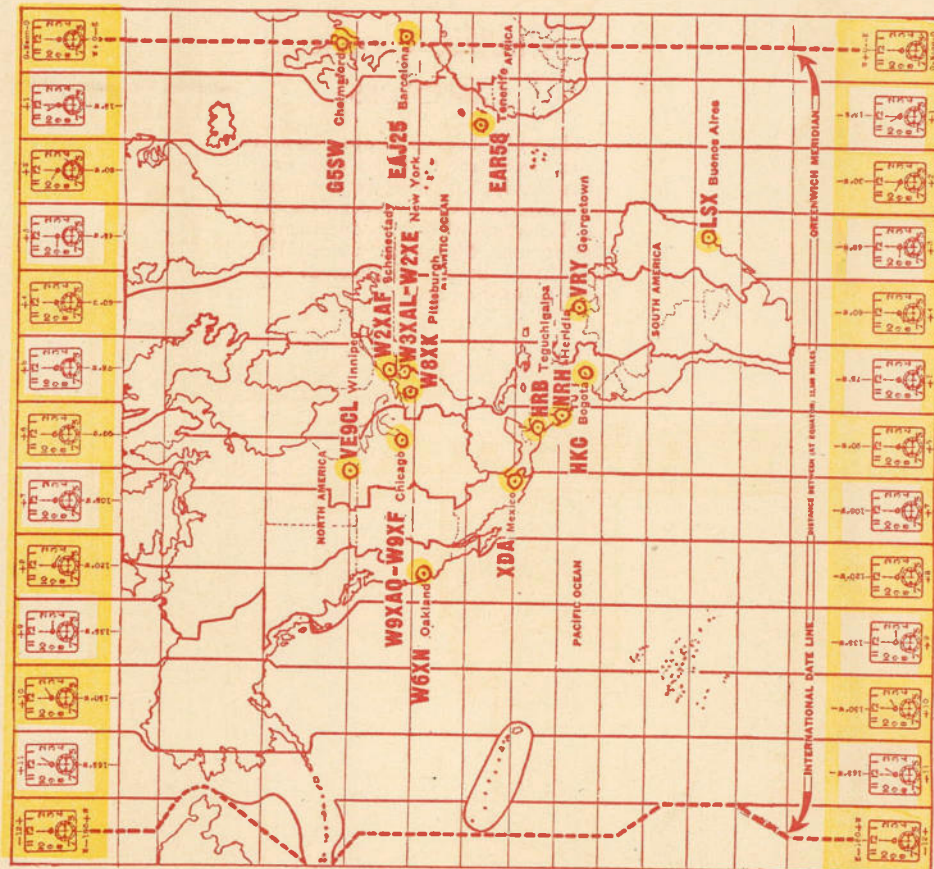
## A New Program Service

for  
Pacific Coast  
Listeners

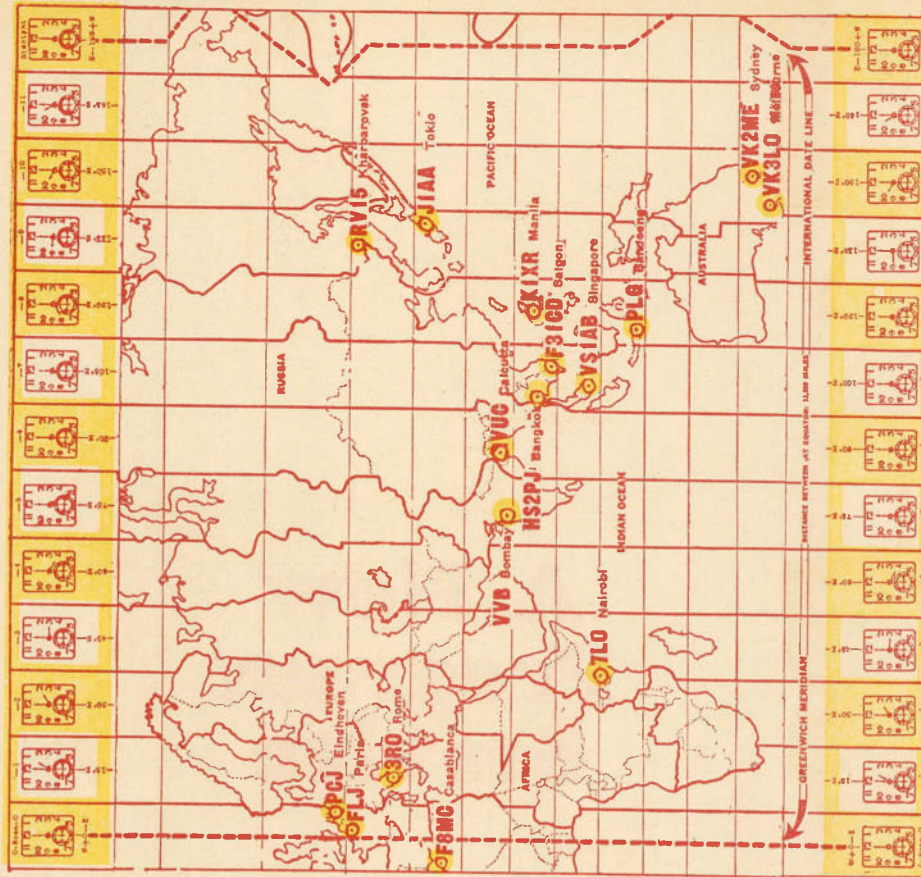
The publishers of Radio Log and Lore have undertaken a new program service for Western listeners: The International Broadcast Guide, published monthly and covering the Pacific and Mountain zones. Fifteen cents at newsdealers; \$1 per year by subscription.

# SHORT WAVE MAP OF WORLD WITH LEADING BROADCAST STATIONS

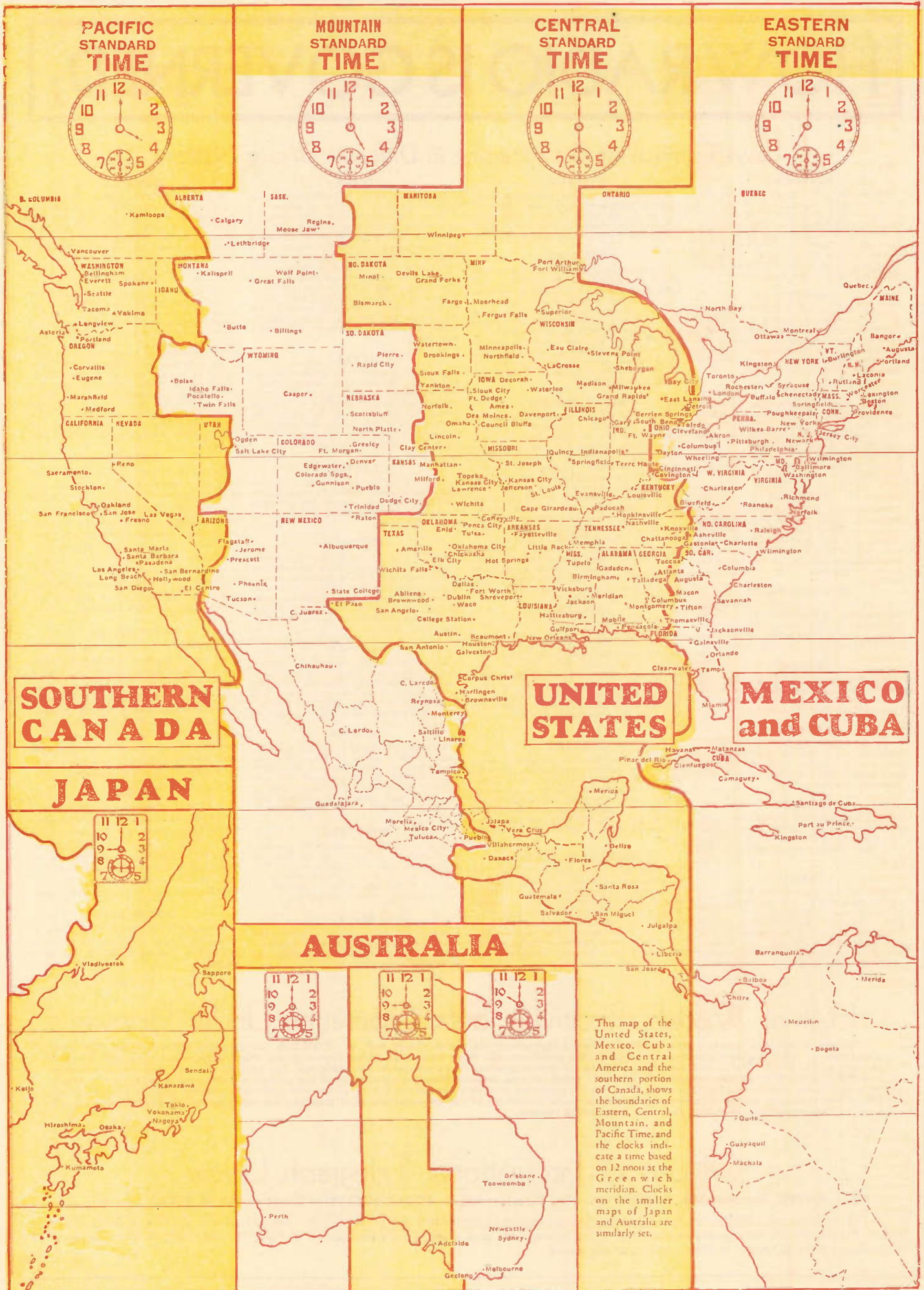
## WESTERN HEMISPHERE



## EASTERN HEMISPHERE



This map of both Eastern and Western hemispheres is primarily one of time zones showing the Greenwich meridian where reckoning of time starts. It is bounded on both east and west on the imaginary date line in mid-Pacific just half way around the world. Many of the largest short wave stations on each continent are indicated, making calculations of distance and change of time relatively simple.



# HOW RADIO IS GOVERNED;

## Laws Controlling Broadcasting in Different World Nations

### AUSTRALIA

There are two types of stations, about one-fifth being Class A stations of high-power and owned by the government and under the management of a commission. The smaller class B stations are privately owned and operated. Listeners fees are \$5.76 if within 25 miles of a Class A station; \$4.40 if not. 337,658 paid licenses last year.

### AUSTRIA

Concession owned by Radio Verkeker A. G., commonly known as Ravog, which derives its income from listeners and dealers licenses as follows: 28 cents per month from listeners and 84 cents to \$2.80 from dealers. 468,577 paid listeners licenses in 1931.

### BELGIUM

The National Broadcasting Institute (a government commission) controls and administers radio, with two stations, one using Flemish and the other French. Revenues are from listeners licenses of \$8.40 for tube and \$2.80 for crystal receivers. 2004,534 paid licenses last year.

### BULGARIA

Radio is yet unorganized as only one station of small power operates. Listeners, however, are rather severely taxed: \$14 for crystals, \$35 for tube sets and \$700 for apparatus for the entertainment of the public. 3,024 listeners responded.

### CZECHOSLOVAKIA

Radio is conducted by semi-official organization of limited liability named Radiojournal. Advertisements are prohibited and a license fee of \$3.60 is levied; there were 382,049 licensees.

### DANZIG

There is one station in Danzig, conducted by Posts and Telegraphs Bureau. 17,660 listeners paid nominal licenses last year.

### DENMARK

Radio, consisting of two stations, administered by Ministers of Education and Public Works. 475,600 listeners paid fees of \$2.70 annually which provides the revenue.

### ESTONIA

Monopoly granted to private company known as Radio Ringbaallug. License fees vary from \$15 to \$150 per year and there were 16,125 listeners in 1931.

### FRANCE

Half of the stations in France are government operated under supervision of the Postal Administration (PPT); the other half are privately owned. State stations are maintained by subsidy and advertisements provide revenue for the private ones. The number of listeners is estimated at 800,000.

### FINLAND

Broadcasting is supervised by a Commission known as OSY, but operated by the departments of posts and telegraphs. The annual license fee is \$2.50 and there were 106,978 listeners.

### GERMANY

Broadcast stations are owned and under control of the government; actual supervision is by nine provincial organizations, each in a principal subdivision of the country. Over these a central organization (Rundfunk) functions. Postmen collect the monthly listener's fee of 48c and there are said to be 3,950,842 listeners. The state retains 40 per cent for upkeep and the provincial organizations in charge of operation get 60.

### GREAT BRITAIN

Broadcasting is monopolized by a public corporation without capital, known as the British Broadcasting Corporation. It has five appointed governors and a director general and is required to report to the Postmaster General who may take over the service in emergency. Under a new scheme one program (National) is broadcast from several high power regional transmitters. Each regional station also has a high power transmitter that broadcasts its own regional program on a second wavelength. All of the regional stations have just been completed, but the number of small stations has been greatly reduced and those remaining operate mostly on a common frequency.

### HOLLAND

Broadcasting by Holland's two stations is supervised by six program organizations, founded generally on religious and political basis, which in turn are controlled by a central committee. These organizations share the broadcasting hours. Revenue is provided by subsidy and voluntary contributions. 523,662 listeners registered last year. No advertisements are broadcast.

### HUNGARY

The government has granted a monopoly to a public organization, but has placed it under the Post and Telegraphs Department with a program council nominated by the Minister of Commerce. Advertising not permitted. There were 325,032 listeners last year who paid about 5 cents per month in fees.

### IRISH FREE STATE

Broadcasting is conducted by the department of Posts and Telegraphs. There are two small stations but a high power station near Athlone is under construction. 28,056 listeners last year paid a tax of \$2.40 each in fees and 23 1/2 per cent import tax on radio apparatus and the broadcasting of advertisements provides the remainder of the revenue.

### ITALY

Here also radio is monopolized by one Corporation, but its program activities are supervised by commissions of leading statesmen, artists and authors. A decree places at its disposal all musical and theatrical works, at a reasonable fee, after they have been performed three times in public. Advertising is permitted subject to strict limitations. Revenue is derived by a license of \$3.75 on receiving sets, a tax on the sale of sets and annual tax thereafter and from a tax on municipalities. 233,254 listeners registered last year.

### JAPAN

A public corporation, known as the Japanese Broadcasting Corporation, controls radio in Japan. Advertising is not permitted and revenue is derived from listener's fee of 50 cents per month, which entitles the set owner to a frequent inspection of his set. There were 958,747 listeners registered.

### LATVIA

Radio is operated by the government and supported by listeners' fees which vary according to season, but average more than \$3 per year. 43,618 listeners were registered.

### LITHUANIA

Radio is government owned and operated. Limited advertising is permitted which together with a listening fee of 20 cents per month in cities for crystal sets and 10 cents in the country, and 30 cents per month in cities for tube receivers and 30 cents in the country, comprises the revenue.

### NORWAY

Two commercial companies conduct broadcasting in Norway, but under the supervision of state agencies. Revenue is derived from limited advertising and from a listener's fee of \$5.40 per annum. 103,901 listeners were registered.

### POLAND

An organization in which the government holds a third of the stock but two-thirds of the capital, conducts broadcasting. Advertisements are permitted, which with a listener's fee of 34 cents per month, constitute the revenue. 361,214 listeners registered.

### PORTUGAL

A law has been passed for government control of broadcasting and the government has set aside a substantial sum of money for its development. At present broadcasting is conducted by two privately owned companies.

### SPAIN

Broadcasting in Spain is conducted by two private organizations and revenue is derived from advertising and voluntary subscriptions.

### RUMANIA

A joint stock company holds the broadcasting monopoly of Rumania. Revenue is derived from a license fee paid by possessors of receiving apparatus and by broadcasting advertisements. Licensed listeners of 1931 numbered 77,858.

### RUSSIA

Broadcasting in Russia is conducted by the Commissariat of Posts and Telegraphs in conjunction with the National Economic Council. A pretentious plan of radio building has been adopted, consisting of a chain of high powered stations connected with systems of smaller relaying stations. Radio is largely used as an instrument of education and in stations near the borders, other languages are often employed. The revenue for Russian broadcasting comes exclusively from state subsidies; the advertising of commercial commodities not being permitted.

### SWEDEN

Radio is owned by the government and the supervision of programs has been placed in the hands of a private organization known as Radiotjänst, an organization in which the Swedish Press has a considerable interest. Practically all programs are prepared at Stockholm and carried over telephone systems to smaller relay stations. There is a listener's tax of \$2.70 per year, and the number of licensed listeners last year was 549,810.

### SWITZERLAND

The Federal Government of Switzerland has granted an exclusive license for broadcasting to the Swiss Broadcasting Company. This company may not work for profit and is responsible for the centralization of all developments of Swiss Broadcasting. Broadcasting of advertisements is prohibited, and the revenue is derived from license fees paid by listeners. Last year there were 150,021 licensed listeners.

### TURKEY

A private organization, the Turkish Broadcasting Company, has the monopoly on broadcasting. Revenue is derived from a fee on receiving apparatus, a percentage of the tax on imported wireless apparatus and the broadcasting advertisements. Licensed listeners for the last year were 2,934.

### YUGOSLAVIA

Revenue is derived mainly from license fees paid by listeners of \$4.83 per month. Listeners for last year were 49,634.

## Half of World's Receiving Sets Operating Under License

Of the 35,000,000 receiving sets installed in homes throughout the world, almost half, or 17,000,000, are operated under licenses. The total population of radio-licensing countries is 370,000,000, approximately three times that of the United States. These nations have one-half as many stations as the United States, and one-third of these are operated under extra-monopoly arrangements. The sum of licenses paid totals between \$60,000,000 and \$70,000,000 annually. There are 73 countries now broadcasting in various parts of the world. Broadcasting is supported in whole or in part from licenses in 31 of these. In 24 of the 55 countries requiring licenses, and in 18 of the non-licensing countries alike, broadcasters are left to find their own means of carrying on. About the same proportion of non-broadcasting as of broadcasting countries collect annual receiving-set fees, which average approximately the same in specified amount.

## Officers of International Telegraph Union

**DR. J. RABER, Director; MR. F. SCHWILL, Vice Director; MR. L. BOULANGER, Vice Director; MR. H. EGGLI, Secretary.**

The International Bureau of the Telegraph Union, whose headquarters are in Berne, Switzerland, is the governing body of world radio. Practically all nations are represented at its conventions and abide by its decisions. Among its functions is the assigning of frequencies and call letters to the countries of the world.

# U. S. — CANADA — WORLD

## Broadcasting in the United States

### *The Zones: Territories and Commissioners*

In accordance with legislation by Congress, enacted in 1927 and amended in 1928, the United States has been divided into five zones and the administration of the radio laws placed in the hands of five commissioners chosen therefrom. The states comprising each zone, with the personnel of the commission is as follows:

#### **ZONE I. (William D. L. Starbuck, Commissioner)**

Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, District of Columbia, Porto Rico and the Virgin Islands.

#### **ZONE II. (Thad H. Brown, Commissioner)**

Pennsylvania, Virginia, West Virginia, Kentucky, Ohio and Michigan.

#### **ZONE III. (Eugene O. Sykes, Commissioner)**

North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Arkansas and Tennessee.

#### **ZONE IV. (Charles McK. Saltzman, Commissioner)**

Wisconsin, Indiana, Illinois, Missouri, Kansas, Nebraska, Iowa, Minnesota, North Dakota and South Dakota.

#### **ZONE V. (Harold A. LaFount, Commissioner)**

Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Idaho, Washington, Oregon, Nevada, California, Hawaii and Alaska.

### *Radio Districts and Their Headquarters*

The radio division, which now functions directly under the supervision of the Federal Radio Commission, enforces the country's various radio acts, and for this purpose maintains, besides its headquarters staff in Washington, D. C., nine radio district headquarters in various sections of the country, each in charge of a supervisor of radio, a number of branch offices at strategical points, and a centrally located constant frequency monitoring station, the manager of which is under the direct supervision of the Washington office. A list of these district headquarters, with the territory under the jurisdiction of each, follows:

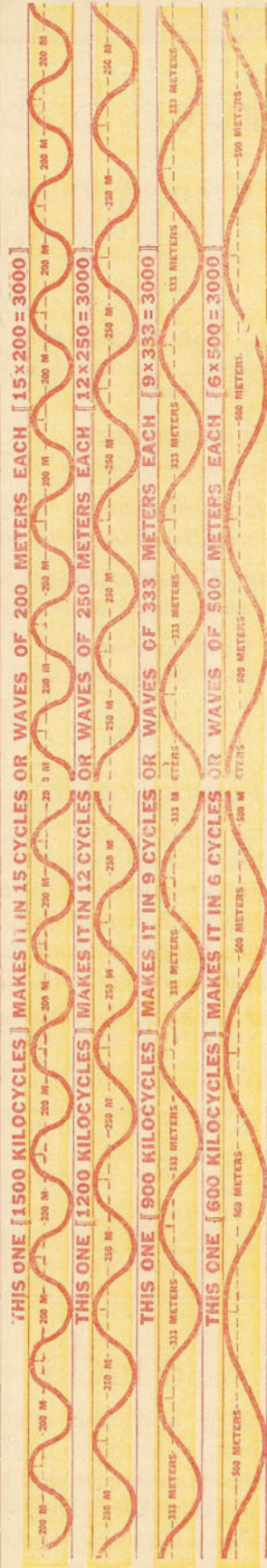
- |  |   |
|--|---|
| <p>1. Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.<br/>HEADQUARTERS, CUSTOMHOUSE, BOSTON, MASS.</p> <p>2. New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Schenectady, Albany and Rensselaer), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean).<br/>HEADQUARTERS, SUBTREASURY BUILDING, NEW YORK, N. Y.</p> <p>3. New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, District of Columbia.<br/>HEADQUARTERS, IMMIGRATION STATION, FORT McHENRY, MD.</p> <p>4. North Carolina, South Carolina, Georgia, Florida, Tennessee, Alabama, Porto Rico, Virgin Islands, Windward Passage.<br/>HEADQUARTERS, POST OFFICE BUILDING, ATLANTA, GA.</p> | <p>5. Mississippi, Louisiana, Texas, Arkansas, Oklahoma, New Mexico.<br/>HEADQUARTERS, CUSTOMHOUSE, NEW ORLEANS, LA.</p> <p>6. California, Hawaii, Nevada, Utah, Arizona.<br/>HEADQUARTERS, CUSTOMHOUSE, SAN FRANCISCO, CAL.</p> <p>7. Oregon, Washington, Alaska, Idaho, Montana, Wyoming.<br/>HEADQUARTERS, EXCHANGE BUILDING, SEATTLE, WASH.</p> <p>8. New York (all counties not included in the second district), Pennsylvania (all counties not included in the third district), West Virginia, Ohio, Michigan (Lower Peninsula).<br/>HEADQUARTERS, DAVID SCOTT BUILDING, DETROIT, MICH.</p> <p>9. Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, North Dakota.<br/>HEADQUARTERS, ENGINEERING BUILDING, CHICAGO, ILL.</p> |
|--|---|

## Broadcasting in Canada

Radio in Canada is administered from the Department of Marine, under the supervision of the minister and directly in charge of the director of radio. Broadcasting stations, as in the United States, are conducted by private enterprise, excepting in Manitoba, where the two stations are owned and operated by the state. A license fee of \$1 per year is required from the owners of receiving sets. Alfred Duranleau is minister of the Department of Marine, and C. P. Edwards is the director in charge of radio. New legislation has been enacted in Canada, however, that gives the government a monopoly on broadcasting, which will go into effect shortly. It is probable that a new agreement will be entered into between Canada and the United States, conceding to the former more channels in the broadcast span.

# Meters or Kilocycles and How They Convert

Showing Radio Waves Traveling 3,000 Meters on Four Different Wavelengths



Drawing Represents Space Traveled by Waves in a Hundred Thousandth part of a Second

The drawing at the top of this page perhaps affords a clearer conception of the working of kilocycles and meters and their relationship to the radio waves than any explanation could do. The short or more frequent waves are separated by the smaller distances, therefore a smaller meter. The less frequent the waves and the attendant increase between each wave necessarily decreases the wave (or kilocycle) and increases the length (meters) between waves.

In this illustration four frequencies are shown: 600, 900, 1200 and 1500 kilocycles. As one kilocycle is equal to one thousand cycles, it will be seen that these numbers in reality equals 600,000, 900,000, 1,200,000 and 1,500,000 cycles, which represents the number of waves or impulses per second.

The radio wave travels practically 300,000 meters per second, and the above drawing pictures their flight for a span of 3000 meters or a one-hundredth thousandth part of a second in time, but the similarity is an accurate one nevertheless and illustrates perfectly why kilocycle and meter numbers increase and decrease by opposite. It is not unlike the tall and short man walking side by side and travelling a given distance in a given time. The tall man takes the longer steps, but the short man takes more of them.

Kilocycle-meter conversion is based on the factor 300,000 (a thousandth part of the number of meters a radio wave travels per second). To obtain kilocycles divide 300,000 by the number of meters, or to obtain meters divide 300,000 by the number of kilocycles. For example, 80 kilocycles equals 3750 meters and also 3750 kilocycles equals 80 meters.

A good illustration to use is 500 and 600 kilocycles (500,000 and 600,000 cycles or waves). 500,000 cycles multiplied by 600 meters gives 300,000,000, the number of meters per second. 600,000 cycles or waves with a 500 meter length would accomplish the same result. It is the same whether you are 600 kilocycles x 500 meters or 600 meters x 500, or any other combination, just so the total is 300,000.

The use of kilocycles as a term of measuring the radio wave is becoming more and more in vogue, and meters correspondingly obsolete. One reason for this is the fact that kilocycle numbers without the use of decimals are better able to express the radio wave value, while meters invariably entail the use of the decimal. Another is that more and more radio authorities are adopting the kilocycle as a standard system and licensing stations either on an even ten or a five and ten unit basis.

## METER-MEGACYCLE CONVERSION TABLE

Many short wave sets are now calibrated in megacycles, instead of meters, and as an aid to those dialers this conversion table is printed. All of Radio Log and Lore's short wave lists are printed, however, with frequencies as well as wave lengths, so that consultation of this list is really not necessary, as a megacycle is one thousand kilocycles and the megacycle may be obtained by moving a decimal point three figures to the left, or where the comma is, when the latter is used. As with kilocycles, megacycles are coming into popular use.

Meters	Megacycles
14	21.40
14.5	20.70
15	20.00
15.5	19.36
16	18.75
16.5	18.18
17	17.65
17.5	17.14
18	16.67
18.5	16.22
19	15.79
19.5	15.38
20	15.00
20.5	14.64
21	14.29
21.5	13.96
22	13.63
22.5	13.30
23	13.05
23.5	12.77
24	12.50
24.5	12.25
25	12.00
25.5	11.77
26	11.54
26.5	11.32
27	11.11
27.5	10.91
28	10.72
28.5	10.53
29	10.35
29.5	10.17
30	10.00
30.5	9.84
31	9.68
31.5	9.53
32	9.38
32.5	9.23
33	9.09
33.5	8.96
34	8.82
34.5	8.70
35	8.57
35.5	8.45
36	8.33
36.5	8.22
37	8.11
37.5	8.00
38	7.90
38.5	7.79
39	7.70
39.5	7.60
40	7.50
40.5	7.41
41	7.32
41.5	7.23
42	7.15
42.5	7.06
43	6.98
43.5	6.90
44	6.82
44.5	6.74
45	6.67
45.5	6.59
46	6.52
46.5	6.45
47	6.38
47.5	6.32
48	6.25
48.5	6.19
49	6.12
49.5	6.06
50	6.00
50.5	5.94
51	5.88
51.5	5.82
52	5.77
52.5	5.72
53	5.66
53.5	5.61
54	5.56
54.5	5.50
55	5.45
55.5	5.40
56	5.35
60	5.00
70	4.28
80	3.75
90	3.33
100	3.00
110	2.73
120	2.50
130	2.30
140	2.14
150	2.00
160	1.88
170	1.76
180	1.66
190	1.58
200	1.50

METER-KILOCYCLE CONVERSION TABLE

Table with columns for frequency ranges (e.g., 1.400-2.000, 2.000-3.000) and corresponding meter-kilocycle values. The table is organized into sections for Long Wave, Short Wave, Amateur, and Television.

HOW THE FACILITIES OF RADIO ARE UTILIZED

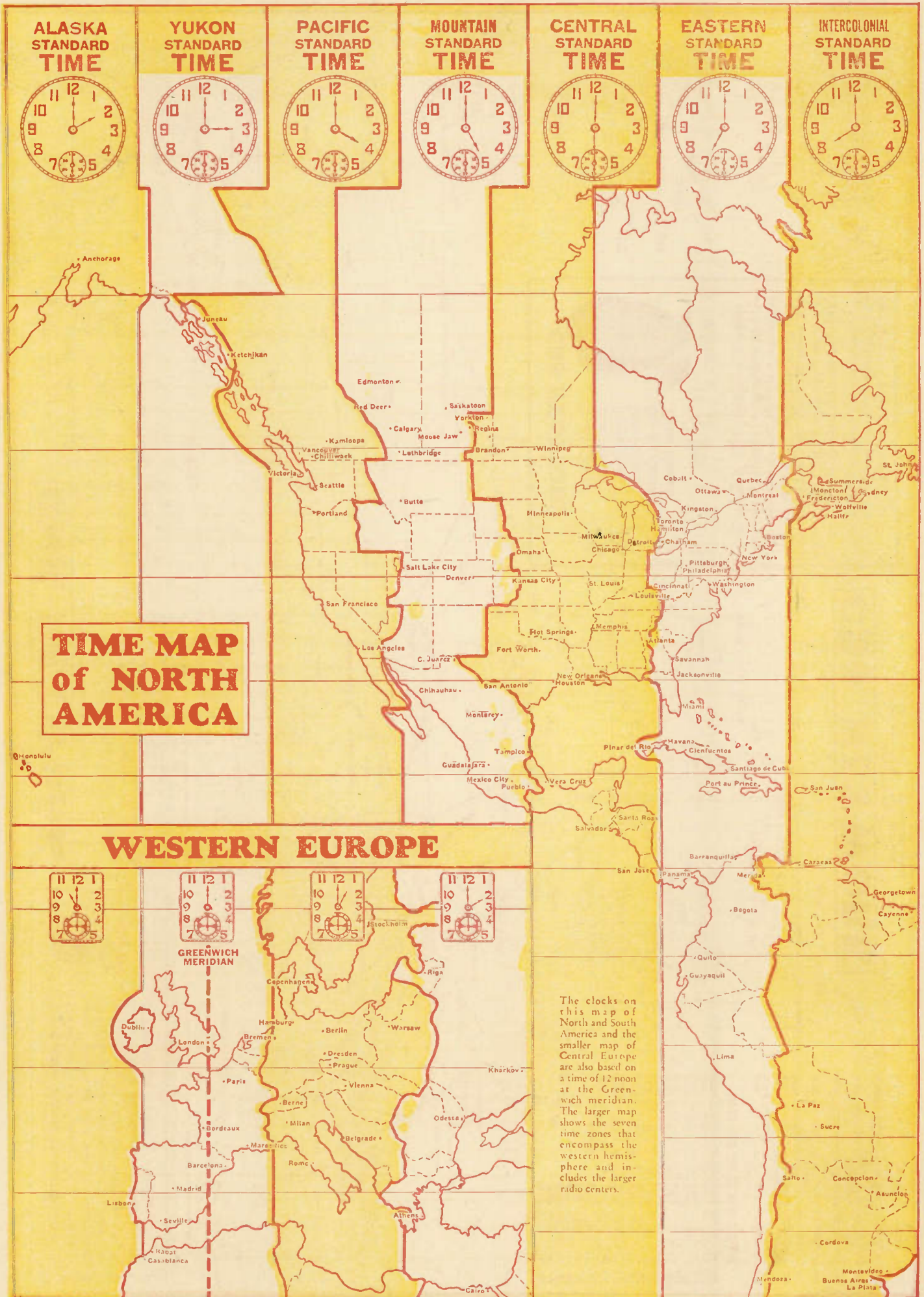
Sitting in front of your own radio you get, perhaps, the idea that broadcasting is the principal function of radio, but a glance at the table above, which represents practically the whole span of radio waves, shows that this is not the case. As a matter of fact, a very small part is set aside for broadcasting entertainment. The above coloring of the radio lanes, to indicate the uses to which they are assigned, is not exact but it gives a good idea of the way the frequencies are used. It is copied from a spectrum issued by the Federal Radio Commission. This spectrum in turn follows in the main the use of the natural facilities of radio as

adopted by the World Convention of the International Telegraph Union. The broadcast span in which we are most interested is at the left, and in solid color. While it is the one we hear the most about, it takes up but a small portion of the whole span of radio. Point-to-point stations as designated include not only the stations of point-to-point transmission, but ship, aviation, and various government uses. These are by far in the majority. The thousands of amateur operators occupy numerous channels.









**TIME MAP  
of NORTH  
AMERICA**

**WESTERN EUROPE**

The clocks on this map of North and South America and the smaller map of Central Europe are also based on a time of 12 noon at the Greenwich meridian. The larger map shows the seven time zones that encompass the western hemisphere and includes the larger radio centers.

# “My Favorite”

## PROGRAMS

	Time	Channel	Station
<i>Sunday</i>			
<i>Monday</i>			
<i>Tuesday</i>			
<i>Wednesday</i>			
<i>Thursday</i>			
<i>Friday</i>			
<i>Saturday</i>			

Radio Log and Lore IS: "The World's Best Log of the World."



## From the Leeds, (England) Mercury:

(Mark Potter's Radio Column)

A Moortown lady writes that she is bed-fast and that while her bedside wireless is only three valves, she loves to try her hand at tuning in through the long nights.

Then she says: "Is there a list of American and Argentine stations available, such as we have of Continental stations? I have never seen one. but there must be a number of people to whom this would be interesting and helpful."

The only complete list I know is "Radio Log and Lore," published by Whitman Radio Publishing Co., Kirkland, Wash., U. S. A., price 25 cents. In its 72 pages it deals with all the broadcast stations of the world, and contains a log of many other stations, such as police, ocean liner, air, experimental and television. It has a list of short wave stations, and has time zone and other maps. In short, it is an invaluable publication which covers the whole ground.



Radio Log and Lore IS: "The World's Best Log of the World."