

RADIO LOG and LORE

NEWSDEALER PRICE25c

MARCH

By MAIL (for One Year, 12 Issues
Canada - Foreign, \$1.25)\$1

A Dollar Buys a Complete Service for One Year

—a service that is needed in every home where there is a radio. A complete, concise program service of all American networks, lists of all network stations and cross-indexed listings of all North American chain and non-chain stations, as well as all radio stations of the world. Let this magazine help you enjoy your radio more. A subscription coupon, for your convenience, may be found on page 3.

Look at the New
**Short Wave
Broadcast
Directory**
on pages 28-29

*Complete Program Service of
North American Networks*

—Please Turn to Pages 8-13

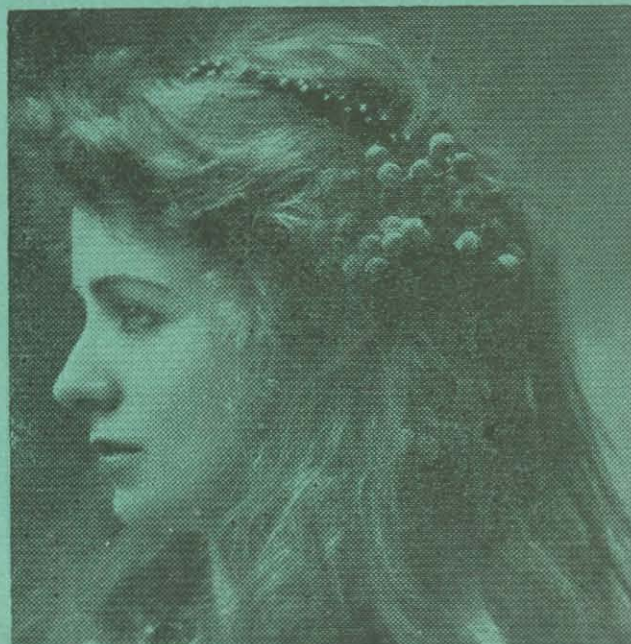
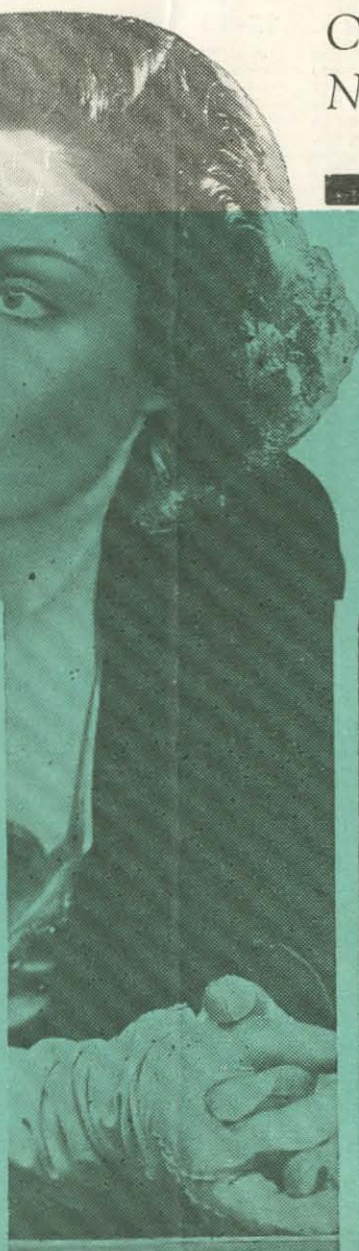
Katharine Hepburn

said to be the great-
est box office attrac-
tion in the motion
picture world, recent-
ly appeared on NBC.

Radio's Newest Stars

**Gloria
Holden**
radio actress, plays
leading dramatic roles
over the Columbia
Broadcasting System
networks.

**Maude
Adams**
came back from
stage stardom after
a decade to broadcast
star roles of her fa-
mous successes.



Complete and Satisfying Service for the Radio Listener

A complete broadcast station log and network program guide; where are the stations, when and where the programs; the answer is here in concise and handy form. This issue of Radio Log and Lore is smaller by number of pages, but in handiness, efficiency and amount of information contained, it has been increased. The prime requisite (the acid test) of a broadcast guide to which thousands look for information, must be its handiness—the ease with which the desired information can be secured. The more hunting—fumbling of pages—the user has to do, the less efficient becomes the guide and on this point Radio Log and Lore rests its case.

The new program setup constitutes a complete listing of the three transcontinental networks from the early afternoon programs of the Eastern Zone, to the late night programs of the Pacific Coast. Included in the list of Evening Programs is the complete schedule of the Canadian Radio Broadcasting Commission network, while two pages devoted to station lists and maps of the transcontinental chains, facilitate the tuning in of the desired program. Nowhere is there so complete, yet simple, a program service, and combined with this is the complete three-way listing of all North American calls, Whitman's Rapid Station Finder (kilocycle) that is in universal use all over North America.

An altogether different specie of radio fan will also find Radio Log and Lore indispensable—the DXer and

the Short Wave enthusiast. During the year, a great variety of Station Lists, Airline Distance Charts and Maps of various sorts, are published, all invaluable for the distance-getter, whether long or short wave, and by preserving each issue, the most complete and comprehensive log and station guide published anywhere in the world may be secured.

Radio Log and Lore covers the radio news events of the world. Pictures and personality news—the human side of the studios—have their place, but are not permitted to crowd out the real news—important happenings in radio culled from the corners of the earth. You will find not only the gossip of the studios, whence come the programs heard at your fireside, but a comprehensive resume of the leading events of the world.

THIS ISSUE IN NEW DRESS — WE HOPE YOU LIKE IT

PROGRAM SERVICE		STATION DIRECTORY	
Evening (Coast-to-Coast) Programs.....	12-13	Whitman's Rapid Station Finder	18-19
Most of the radio listening is done in the evening and this is the chart that gives program service to the people of a continent, as far as the releases of the big networks are concerned. Quarter-hour listings of the four great networks whose programs go from coast to coast. Time in your own zone, too.		This is the double-page kilocycle chart of North America broadcasting stations, now in universal use. Once a user—always a user. Revised edition.	
North American Networks	8-9	North America by Sections.....	20-21
Afternoon (Eastern) Programs.....	10	Alphabetical Call List.....	22-25
Night (Pacific Coast) Programs	11	SHORT WAVE	
Three networks are running on the Pacific Coast. This page lists them all by quarter-hour periods. Many Eastern nocturnal dialers get a big kick out of these Pacific Coast late night chain programs.		World Broadcast Stations.....	28-29
NEWS-PICTORIAL		Broadcast stations are the ones most short wave fans are interested in. On this double spread is a three-way listing—in frequencies (megacycles), alphabetically by calls and sectionally by location. A world time zone map shows important SW cities.	
Radio News of the Day.....	3	Police Call Stations.....	30
Sarnoff on Television. ** May Abolish Commission.		You may want to look up a police call in any one of several ways. Perhaps you heard the call only, or maybe you have the frequency location on your set. Or perhaps you want to look up the call of a certain city. Anyway we are all set for you with a three-way police listing, and all a single sheet.	
Radio Round the World.....	6-7	Airport Stations.....	31
Radio Goes Opera	4	MISCELLANEOUS	
Lucky Strike Tries a New One—Opera Sponsorship.		Airline Distance Map	26
The Outdoors Lures	5	Any distance map is a little cumbersome to use, although there is a very good one on page 27, but we believe you will prefer this map of North, Central and northern South America. Distances at a glance—with these 500-mile circles and squares.	
Myrt loses her partner when Cupid appears, but the show goes on. * * * Stoopnagle and Budd know all about dressing for the frigid temperatures.		Airline Distance Table	27
The News in Pictures.....	14-15	How Time Changes	32
Just a picture and a story (22 of them) of some of the radio personalities you hear on the air.			
Doings of the Stars	16-17		
How One Man's Family came to be written and how the auto license clerk had fun with Ed Wynn.			

And Lastly, You Should Not Overlook This Coupon

This space is set aside for a little talk on distribution—the best way to receive your copy of Radio Log and Lore. First, this magazine is not a magazine of general interest, but rather a class magazine—therefore it is impractical and impossible to get it on sale on every newsstand in the country. We mention this in response to many readers who have written that they have been disappointed in not being able to find it on sale. It has, however, proved itself intensely interesting to a certain class—those who have a great interest in their radios, the stations and programs it can bring in. This latter fact, however, does not mean that it will be a big seller on the average newsstand. We mention this merely to ask your forbearance if you do not find it on sale at your favorite newsstand, or two or three other stands where you may call, or, in fact, on sale at all in your city. Some newsdealers feature it; others do not carry it at all. General newsstand distribution, however, is a very expensive method of circulation for publishers generally and one

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as a Subscriber to Radio Log
and Lore; the Dollar Bill
Enclosed Herewith

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CITY

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the publishers of Radio Log and Lore have found utterly impossible to maintain. So if your location is one where there is not an adequate distribution—there is another and better way—evidenced by the fact that more and more readers are becoming subscribers. Again the newsstand and subscription price of Radio Log and Lore (entirely inconsistent with each other) illustrates the difference between economical and wasteful distribution—yet subscriptions (one dollar for twelve issues) are more profitable than newsstand sales at 25 cents. It is true that the prices are somewhat unfair to the newsdealer, but we refuse to increase the subscription price when it is no wise necessary as far as publication costs are concerned. It is the intention of the publishers to further curtail newsstand distribution to eliminate waste, and we ask those readers who will be effected by this curtailment, to secure their copy by the more satisfactory and economical method—a direct mail subscription. Use the coupon today; it is to your advantage.

Radio Log and Lore

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SARNOFF TELLS OF RCA PLANS FOR TELEVISION

Quite Possible to Gather the Morning Paper
From the Radio Rather Than
From the Porch

(New York Correspondence)

Members of the New York Advertising Club, who listened to an address recently, by David Sarnoff, president of the Radio Corporation of America, are certain that not only is television just around the corner, but just around the same corner, a lot of other little things to change our daily lives, may be lurking—among others, an invention that will permit us to go to our radio in the morning, for a copy of the latest news, instead of to the front porch. Another possibility unfolded was the harnessing of static to provide electrical energy.

Mr. Sarnoff announced that the RCA had already secured a license to develop the new discoveries into a nation-wide transmission system, and it has long been known that both the RCA and General Electric have been making rapid strides in their television experiments. It is considered now, that the plans of RCA, in the light of this announcement, include the development of a transmission system wherein these new discoveries can be put to use.

It is realized that it is just a step from television broadcasting of entertainment, to the televising of news dispatches, and there is no secret about the development of a device by which the home owner can

get his morning newspaper by radio. Just goes to the radio set in the morning, and takes out the televised facsimile sheets, thus getting his news hours ahead of the present slow-by-comparison process that includes printing and hand-delivery methods.

Newspaper publishers, it is said, have been keeping close watch of the scientific angle—which many believe accounts for the great zeal of the papers in defending their prerogatives as news dispensers from the encroachments of the broadcasting stations. Radio and newspaper executives both agree that television may entirely revolutionize the newspaper industry beyond recognition during the next few years.

HOW PHIL BAKER FOUND HIS BOTTLE

Now we know where this Bottle character, that appears with Phil Baker in the Armour program, comes from. It seems that Baker met his thick-witted stooge during the filming of a comedy, and he was so impressed with the antics of the

comedian, that he figured that he might go over pretty good in radio. Baker had the right dope—he did. But now that that is settled, why doesn't the press agent tell us where the mysterious Beetle hailed from.

Italy Has Extensive Plans for Broadcasting

Schools to Be Equipped With One-Frequency
Receiving Sets

(Rome Correspondence)

The Italian government is manifesting a great deal of interest of late in the nation's radio facilities and is lending the heartiest co-operation to the E. I. R. A., in improving the national system. Receiving sets have been installed in all public schools, the sets having been furnished by the government at a very low cost. To insure that they will not be used for purposes other than educational, reception will be possible on one frequency only. Also experimental television transmissions are expected to begin shortly from stations in Turin,

where the headquarters of the E. I. R. A. are situated. The E. I. R. A. hopes in the near future to conduct regular television transmissions. Besides this advancement in new fields, the present system is being enhanced by a special cable being laid under the straits of Messina, in order to link up Palermo with the other Italian stations. The Bolzano transmitters, in the extreme north, were recently connected by cable with Turin, and with the completion of the cable to Palermo, a complete national hookup will be realized.

PEPSODENT LEADS THE SHOW



Above, Amos 'n' Andy and Gertrude Berg, Author and Portrayer of the Leading Role in the Goldbergs. Below, Eddie Duchin, Orchestra Leader, and Dean Fossler, at the Console of the Organ, Playing Theme Music.

After three consecutive years on the air, with two of broadcasting's most popular serials, Pepsodent has put on its third program—a thrice-a-week broadcast by Eddie Duchin's Orchestra, over an NBC network. All of which makes Pepsodent the leading air advertiser. A competitor, however, Campana, with its First Nighter and Grand Hotel serials, besides occasional orchestra broadcasts, is threatening the Pepsodent supremacy.

Speaking of Amos 'n' Andy and the Goldbergs, it is interesting to note that Dean Fossler, a Chicago organist, who has provided the theme music for these two broadcasts, devoting his talents exclusively to Toselli's Serenade and The Perfect Song, never has seen either Amos 'n' Andy or the Goldbergs broadcast. In the NBC Chicago studios he takes the air from a different studio from the one in which Amos 'n' Andy perform, and the Goldbergs face the microphone in New York, half way across the continent.

Playing four times a day for Amos 'n' Andy—before and after each broadcast—including the repeat performance for western listeners—and twice for the Goldbergs, Fossler estimates that he has played the tunes nearly 2,500 times.

But that doesn't mean that the two selections are all that Fossler can play. Before he began providing the introduction and closing on the Pepsodent programs, Fossler was for seven years a theatre organist in Chicago. He was associated with the famous radio organist, Jesse Crawford, seven or eight years ago at the Chicago theatre and played the dual organ with him there.

GOVERNMENT MAY DISBAND F. R. C.

(Washington Correspondence)

Those who claim to be in on the know, here—in other words in close touch with administration circles—declare that the Federal Radio Commission will soon be a memory. According to the information that is going around, radio will become an adjunct to the bureau of communication, which in turn will be affiliated with a new department of transportation or made into a part of one of the existing departments.

Just when the new move is to be made is not a part of the story but in substantiation the recent attendance at a number of conferences of General Saltzman, former head of the radio commission and frequently

this country's delegate, to international radio conferences, was pointed out. The story is that the former head of the commission was asked to supply the framework for an entirely new radio structure.

As a part of the story, the old bugaboo of the strife between radio and the newspapers, has been brought in—to the effect that the new radio authority will be much more favorable to the papers and that broadcasting stations will then be asked to stick to their business of broadcasting and the newspapers allowed to look after theirs of providing the news to the people of the nation.

Radio Turn to Grand Opera

The American Tobacco Co. (LuckyStrike) loves to pioneer. Remember back not so long ago when the stentorian tones of Ed Thorghesen announced the dance music of B. A. Rolfe, on the then famous Lucky Strike dance hour? Young Mr. Hill, scion of the tobacco millions, entered into his work with a great deal of gusto and enthusiasm; Walter Winchell's gossip, Detective Barry Rudd and lastly, Baron Pearl himself, followed in order and contributed their bit and a change of pace in the program. But now a new deal is on at the tobacco company, which has essayed the pretentious task of sponsoring around three hours of broadcast direct from the elite Metropolitan itself, in Radio City. Not one of the NBC networks, mind you; the combined facilities of both the Blue and the Red chains, and all supplementaries, are tied to the microphones at the Metropolitan for several hours. Some money involved in all that.

The whole Metropolitan affair was done up with decorum and éclat. The staid and distinguished voice of Milton Cross conveyed the story of the opera with all of the descriptive highlights. Floyd Gibbons or Ted Husing wouldn't have fitted in on this program as there was an abundance of time for all there was to say and fast talking wouldn't have been in keeping with the occasion. When Cross was through, John B. Kennedy carried on. He added lights even higher than his predecessor; in fact he added punch to the story, highlights and otherwise. The commenting was excellent and the opera itself was, of course, marvelous. Altogether it undoubtedly went over big in the homes of the land and all hands, including particularly the sponsors who laid the money on the line should be given credit for an event certain to enhance the prestige of radio broadcasting generally.

Canada hooked in on the network, but not as a sponsored feature, mind you, because there is no such thing up there (on the national chain). In fact the Canadian Commission was so zealous to see that none of the Lucky Strike blurbs got into the land of the Maple Leaf that they took no chances and pulled the plug as soon as the music stopped. And they undoubtedly have since heard plenty about this from the Canadian listeners, many writing in to ask why they should be deprived of the excellent description and story of the opera that was dished up between the main events. One Canadian paper went so far as to suggest that the commission broadcast the information during the regular evening news broadcast, as long as they couldn't see their way to let it come in via the Metropolitan.

The tobacco company, however, is not alone in the thought that the public might possibly be interested in some music of the better class. The Cadillac Motor Car Co., it seems, was similarly minded, although it is operating along a bit different lines. The company has inaugurated a series of Sunday evening broadcasts of one hour each, when high-class symphony music by specially formed orchestra has been broadcast, under the baton of world famous guest conductors. Its personnel of sixty members was selected from among the leading symphony players of the country. Among the conductors to wield the baton over this selective aggregation were Bruno Walter of the New York Philharmonic, Arthur Bodanzky of the Metropolitan Opera Company, Eugene Ormandy, of the Minneapolis Symphony, Fritz Reiner of the Rochester Symphony, Ossip Gabrilowitsch of the Detroit Symphony, Tullio Serafin of the Metropolitan, Sir Henry Wood of London and Walter Damrosch of New York City. Quite an array of notables, but the list of guest instrumentalists and soloists are equally imposing. Those include Yehudi Menuhin and Efrem Zimbalist violinists; Josef Hofmann, Jose Iturbi and Vladimir Horowitz, pianists; and as vocalists, Rosa Ponselle, Lily Pons, Lucrezia Bori, Lotte Lehmann, Elisabeth Rethberg, Tito Schipa and Richard Bonelli. Thus this series of splendid concerts as well as the more pretentious Lucky Strike-Metropolitan broadcast and both following the fifteen minute programs broadcast by Leopold Stokowski, over Columbia, has caused many observers to believe that radio has many better things in store for those who love better music.

The story of Lily Pons, who is one of the key figures in the Metropolitan setup, and whose voice will be heard frequently during the broadcast, is interesting. Her voice the range of which astounded critics three years ago when she slipped unheralded onto the Metropolitan stage, has since become the most applauded voice of the age. Which brings to mind the thought that no matter what past years have produced in the way of outstanding ability, succeeding years give us other outstanding men and women with talents to equal or even surpass the great ones of the past. Miss Pons can sing with ease from middle C in the lower register to A above high C. The famous singers of other days, such as Patti, Melba and Sembrich, never went above a high F in public. And yet Miss Pons, who weighs only 101 pounds can sing higher than any other living opera singer.



Cornelius Bliss, Wall Street Banker (at right in lower picture) is a director and prime mover in Metropolitan Opera management. At the left is President Aylesworth of NBC and Rosa Ponselle, opera prima donna. Above are four stars of the opera. At the left, Mario Chamlee and at right, Queena Maria, Mr. and Mrs. in private life, and in the center, Frank Chapman and Gladys Swarthout, also man and wife.



Outdoors Lures Radio Stars



Above: Myrt and Marge of Famous Columbia Serial. Below: Stoopnagle and Budd, Columbia Comedy Team.



Radio being a comparatively recent development, it seems that things happen quickly, and yet seem to have taken place a long time ago—for instance: A year or so back two young men, Carl Lofner and Phil Harris, were conducting a dance band in San Francisco, and it was getting on the NBC-Pacific network at intervals during the week. Phil used to step out occasionally and do a bit of vocalizing (real imitation Bert Williams style), half talk and half song. It sort of got by but folks didn't pay much attention to it. Then Carl and Phil dissolved and each had his own dance band; Carl stayed (and is still playing) on the Pacific Coast, but Phil, his troupe of dance banders and his blues vocalizer de luxe, Leah Ray, hit out for the high places, New York and other points. The rest is current history. It goes easy for the bass drawler now—ensconced in one of the country's most fashionable hotels, with his contract recently extended, a sponsor on the radio and his dance band, his blues vocalist and his own bass drawing all the rage. Thus is he sitting on top of the world, so to speak. Phil, a westerner, loves his horses and the picture shows Miss Ray and Harris with their mounts, also Harris in riding costume. Another Westerner, Frank Parker of the Revelers and the Chevrolet program, also craves the out-of-doors recreation. Parker (below) among other athletics, has acquired a reputation as a polo player.

The winter has been a load one—breaking family ties, dividing radio teams. Matrimony has just had to slip in, in both the NBC and CBS studios. In the National it was one of the Pickens sisters and in Columbia, mother gave daughter away in a nice church wedding. Who—you would never guess. The mother, Myrt, (Mrs. Myrtle Vail) and the daughter and bride Marge, her radio partner (Miss Donna Damarel). The groom (also identified with radio) was Gene Kretzinger, of the team of Gene and Charley. But don't worry folks—the show will go on—the Pickens Harmonizers and the Myrt-Marge series.

Here are Stoopnagle and Budd keeping a radio rendezvous with Admiral Byrd, in the Antarctic regions. The date was arranged before the polar expedition set sail and the pair were right on the date—so was Admiral Byrd. Press Agents are an ingenious lot, and you can never tell just how far they will go. However, this is real. Stoopnagle and Budd (both up-state farmers) walked into the Columbia studios for the Byrd appointment, in their everyday winter attire, brushing aside the press agent discoursing on Antarctic background. The latter, however, provided the penguin, which looks phony enough; but we leave it to you if the picture otherwise is not right in keeping with Antarctic or any other sub-zero regions.



ORDERS AND NEWS FROM THE RADIO COMMISSION

BROADCAST STUDIO NEWS AND GOSSIP

Germans Plan New Stations

Pretentious Program Is Announced

(Berlin Correspondence)

The postoffice department has announced a rather pretentious program for the improvement of its broadcasting system during the coming year. It includes the new national transmitter, with a power of 150kW, which is to take the place of the present Deutschlandsender, and a new relay station (to be synchronized on the Frankfurt common wave) to be erected at Koblenz. The present relay stations at Dresden, Königsberg and Stettin will be replaced by new ones. In addition, the power of the present 60-kW Langenberg and Heilsberg transmitters is to be increased to 100 kW.

Apart from the program, however, the most important of present developments, is the complete regrouping of the transmitters. Stations all over Germany have been synchronized in groups.

ENGLISH GIRL MAKES HIT AS IMPERSONATOR



(Los Angeles Correspondence)

Many radio listeners have been clamoring for the return of Florence Desmond, impersonator de luxe, ever since her single guest performance several months ago. Her uncanny ability to impersonate all the stars of the silver screen brought her to the attention of motion picture officials, when she appeared at the Embassy Club in New York. Previously she had been brought here from England where her phonograph records impersonating Greta Garbo, Zasu Pitts, Mae West and others, were "best sellers." Radio audiences had the pleasure of hearing her a second time when she appeared on the air recently with the Ipana Troubadours over NBC. It was her engagement with Eddie Cantor in his personal tour of motion picture theaters that prolonged her stay in this country and made it possible for the Troubadours to sign her for their program. Miss Desmond plans to return to England when her engagement with Cantor is finished.

TUNNEY SPEAKS



(New York Correspondence)

Gene Tunney, who once forsook the ring long enough to address William Lyon Phelps' literature class on Shakespeare, again was sponsored by the professor, when he spoke on "Youth in America" during the "Voice of America"—in which Phelps is featured—on the Columbia network recently. Phelps is shown at the extreme left and Tunney at the right.

FREQUENCY AND POWER CHANGES

Latest News of the Broadcasting Stations; Orders From the Commission

(Washington Correspondence)

Judge Eugene O. Sykes, chairman of the Federal Radio Commission, appearing before the House Appropriations Committee, said that the Commission has been considering the extension of broadcasting licenses from six months to one year periods for some time. He further said that action would be taken as soon as the time was propitious.

WBWM, big Chicago key station of Columbia, and KFAB, Lincoln, who have been sharing the cleared channel 77, since the reallocation several years ago, have at last got their plans of synchronization working, with government sanction and the latest Bell telephone equipment. Both stations were operating full day time but were having to divide up the valuable night hours. As a preliminary move, KFAB switched from the NBC chain to the Columbia, so that the two stations could be broadcasting the same program.

The Federal Radio Commission has denied WBK, Detroit, permission to operate full time. The station shares time with WBDM, of Jackson, Mich., at night and operates simultaneously with WBK in daytime.

Several stations that have been granted permission by the Federal Radio Commission to move the location of their transmitters are: KYW from Chicago to Philadelphia, KFIW from Hopkinsville to Louisville, Ky., KBTM from Paragould to Jonesboro, Ark., WENC from America to Atlanta, Ga., WJJD from Mooseheart to Chicago and WMBR from Tampa to Jacksonville. In Canada CKCR has moved from Waterloo to Kitchener, Ont., and CKPC from Preston to Brantford, Ont.

The commission has granted permission to the following stations to change call letters: WFOY to WVFV, WCOD to WKBO, WFTW to WAVE, KGIZ to KWTQ, KOGW to KTUL and WODA to WNEW.

The FRC has granted change of channel and increase in power to

F..R C. Opens New Channels

Broadcasting Will Be Permitted

(Washington Correspondence)

The Federal Radio Commission has made arrangements for the clearing of all services occupying the channels between 1,500 and 1,600 kilocycles to other parts of the frequency range, and is prepared to issue temporary experimental licenses on three new channels with 20 kilocycle separation: 1,530, 1,550 and 1,570. The commission has announced that it is ready to issue licenses just as soon as applicants can meet the conditions necessary for qualification. All stations must have the supervision of a qualified research engineer and while the stations will be allowed the use of sponsored programs, the sponsorship must not interfere with the general experimental work of the station. The power must not exceed 10kW.

It will be recalled that the use of these bands for broadcasting was decided upon at the Mexico City conference, and the announcement of the commission seems to indicate its intention to open the new bands up to broadcasting after some experimental broadcasting has been done.

New Zealand Pays For Radio Stations

(Wellington Correspondence)

The government has bought three of the best known Class B stations, IZR of Auckland, 2ZW of Wellington and 3ZC of Christchurch. This was done because of criticism to the effect that the B stations have been so ringed around with governmental restrictions as to virtually cause their death. As a result the government felt a moral obligation to these stations, though they were no longer necessary. They will be used to transmit alternative programs to the YA stations. The government is adamant on the question of sponsored programs, so the B stations will doubtless gradually fade away. The New Zealand Postmaster General has stated that the government is adopting the attitude of the BBC of England, with regard to sponsored programs.

BARON; HIS SHADOW



(New York Correspondence)

Jack Pearl and his Handy Andy straight man, Cliff Hall, slipped out of the Lucky Strike hour, when the tobacco company turned over, like nobody's business, and right into another sustaining program. It was possessed by the wisecracks a short time back, that the prevaricating Baron was losing his grip (that he was not ticking with the public) after returning from his picture-making jaunt to Hollywood. Be that as it may, the sponsors evidently took no stock in the yarn, and the doughty Baron and his straight man, better known as "Sharlie," are on the air in a Royal Gelatine Review over an NBC network.

FLORIDA MISS IS SWEEPED TO FAME BY A HURRICANE



(Miami Correspondence)

It is an ill-wind that blows no one some good. At least Harriet Lee, blonde-haired blues singer, again on the air over NBC, is a staunch believer in the old adage. Miss Lee was literally blown into radio fame on a Florida hurricane. She was working in a music store by day and attending a music college by night when a tropical storm struck the southern coast.

The radio station over which Miss Lee sang occasionally, was on the air for 72 hours, and her singing during the long stand-by brought many donations for sufferers in the devastated region and a wide reputation for the artist.

Since then she has traveled far. Chosen as Miss Radio at the Radio World's Fair in 1931, she has since been featured on many outstanding programs. She also has appeared extensively in vaudeville and her deep contralto voice has been heard with leading dance orchestras.

NORWAY BROADCASTING PLANS

Three new broadcasting station transmitters are expected to go into operation in Norway during 1934. The 20-kW Trondheim transmitter will be ready in April, the 20-kW station at Bergen in midsummer and the 10-kW Vardo transmitter is expected to be ready for dedication early in the spring.

Border Stations Have Appeal

Announcers Assume Intimate Attitude

(San Antonio Correspondence)

Mexican border stations are coming in for two things. They are coming in for their share of American dial twisting, which is most important to the stations themselves and no doubt to all concerned. Also they are coming in for a fair amount of criticism from certain circles because of merchandising methods and because of their proximity on the dial to many important American stations. So far it seems that the criticism does not do them any harm, and manifestly, the increasing American audience does them no harm either.

There are four important stations now operating on the border adjacent to Texas. These powerful stations varying from 10,000 to 150,000 watts and broadcasting on frequencies from 585 to 1115 kilocycles, are well distributed over the dial. Each is manned by efficient personnel, broadcasting programs pitched to reach the masses. The continuity is clever, entertaining. If it is subtle in its sales talk, that is no drawback to most loudspeaker fans. The average listener does not mind advertising in psychological doses, but he is apt to leave a cozy chair to tune out a five minute harangue on the merits of any commodity. The announcers assume an intimate attitude which is liked by the average listener.

The gearing of this program to reach the bulk of listeners, coupled with the channels and the power which they possess makes these border stations a real factor in American broadcasting.

Canada Radio Law May Be Changed

(Ottawa Correspondence)

The fact that the Act Amending the Canadian Radio Broadcasting Commission Act expires on March 31, 1934, may bring about important changes in the present plan of radio control. Premier Bennett has promised an investigation in the form of a parliamentary inquiry by the committee of the House of Commons. As far as possible, the original committee which recommended nationalization of radio and its operation by a commission will sit on the committee. A report is expected before March 31.

LATE SONG HIT WRITTEN DURING SPIRIT SEANCE



(Chicago Correspondence)

Phil Porterfield, who has just returned to the Galaxy of Stars cast, over the NBC-Red network, following an operation for appendicitis, learned for the first time, while convalescing at his home in Fort Wayne, Indiana, the true story of the writing of "My Cabin Home," which Porterfield introduced over the radio.

The author of the song hit is Miss Mary Loos, a fellow towns-woman of the radio star and a believer in things spiritualistic. She confided to Porterfield that not only was the song written during a visit to a spiritualistic medium, but that she through the medium was thoroughly in the clutches of the unknown at the time. She said the medium, when first visited by Miss Loos, informed her that she was soon to become famous and requested that she bring pencil and paper on her next visit. With Miss Loos, through the medium, in touch with the unknown was the song born. The spiritualist elicited 100 per cent when Miss Loos took the song to the publisher the medium suggested and it has elicited the same for Porterfield over the air.

Paris Station Increases Power

The power of the French national station, Radio Paris, will be increased to 150kW during the coming summer. The Eiffel Tower will continue to exist, but will become a medium-wave station.

Lucerne Plan in Effect

All Countries Not in Accord

(London Correspondence)

The much discussed Lucerne plan with its wavelengths allotment mutually agreed upon by the nations of Europe, to prevent interference of one broadcasting station with another, went into operation at midnight January 15, as per schedule. What the result will be, just how far tedious months of figuring and scheming on the part of the delegates from each country, will go toward meeting the insistent demands of broadcasters, for more and more room on the air, remains to be seen. It is the third and most complete plan worked out since 1925, for the co-ordinating of wavelengths in England and on the continent.

But to understand the plan, one must also understand the situation in Europe. In 1924 it was found necessary to adopt some mutual plan of broadcasting, in order to eliminate the growing confusion due to the increased number of stations broadcasting on independent wavelengths, and thus causing great interference with each other and much confusion generally. A plan, the Geneva, was then worked out, and it coped with the situation satisfactorily until it grew obsolete, and in 1929 a new plan the Prague, adding to and amending the former one somewhat, was put into effect. This plan, like its predecessor, was entirely satisfactory for a time, until it, in turn, grew inadequate.

The new Lucerne plan is workable generally, though not subscribed to by six countries because they were not satisfied with the waves allotted to them under the plan. Naturally those countries that did not endorse it, do not feel that they should be restricted by it and there will be difficulty here. It is felt, however that a compromise may yet be reached. This is in the hands of the technical committee of the International Broadcasting Union, to suggest how the difficulties can be ironed out so that the plan can be made unanimous.

Europe Also Has a Graham McNamee

(Paris Correspondence)

Europe has its own Graham McNamee. He is M. Dehorter, a real Frenchman, who was born in London and who is said to be a past master of almost every form of athletics. In spite of the fact that every one knows who he is, he continues to use the name of "Le Parleur Inconnu" (Unknown Speaker), which was given to him by the newspapers at the time he did the first job of covering a major sport event and describing it as it progressed—known in Europe as outside broadcasting. The general excellence of his work is attested by the statement in a French newspaper recently that all other French sports broadcasters were under a handicap, and that the handicap was the "Unknown Speaker." Though not born in France, he is said to pass for an ideal Frenchman, and while he pretends not to know English at all, it is recalled that he once added an English interpretation to his description of a major news event.

Poland Is Trying Two Announcers

(Warsaw Correspondence)

An interesting experiment in announcing is being conducted in this city—a dual system by which both a man and a woman announcer officiate at the microphone. So far it is being used chiefly in sponsored programs, and it is believed to possess great possibilities in broadcasts of this type. It is not known whether it will become a regular feature on all types of programs.

DANCE BANDS ON THE MOVE AND PROGRAMS SHIFT



(Los Angeles Correspondence)

Modern maestros and their dance band troopers are a migratory lot and little hops across the country are all in the day's work. Change of diet in the way of a fresh musical aggregation, is quite necessary for the modern metropolitan hostelry, and this in turn brings about the frequent shifting in dance music broadcasts. Guy Lombardo's Royal Canadians moved in on the elite of the Pacific Coast, through the famous Coconut Grove at Los Angeles recently and the move is said to be highly edifying to the caso customers as well as to the radio listeners who get in on the music through a coffee company's sponsorship. Another Easterner to arrive on the Pacific Coast is Herbert Kay, whose Chicago aggregation is spelling Anson Weeks' dance band at the Mark Hopkins in San Francisco, while the latter is taking a jaunt on the road. This music also gets to the fireside listeners over the NBC-Pacific network. To return the favor, Ted Fio Rito will soon begin a series of Trans-Continental broadcasts over the Columbia and under the sponsorship of Old Gold from the Palace Hotel of this city.

A chance reading of an obscure newspaper notice resulted in George Gershwin being catapulted to international fame, when he saw that in a few days a new composition by him was to be presented at Aeolian Hall. He had forgotten, but on his father's insistence he wrote the world famous "Rhapsody in Blue".

The Egyptian Broadcasting Commission has decided to inaugurate daily readings of the Koran.

REAL HEADLINERS



(New York Correspondence)

Left to right, Irving Berlin, Will Rogers and George M. Cohan, each occupies his own niche on the American stage—Cohan with his musical shows and Berlin with his popular song hits, both of a decade back, and Rogers with his humor and philosophy. The three will continue to alternate on the Gulf Headliner program, very appropriately titled, on the NBC-Blue network this year.

BROADCAST EVENTS OF AUSTRALIA NEW ZEALAND

HAPPENINGS IN CAPITALS OF EUROPE

Newsreel Next Step in Radio

Pathe to Launch the New Service

(New York Correspondence)

It is considered probable that the next great advancing step of radio will be the realization of the long anticipated newsreel of the air. According to its own announcement, Pathe proposes to enter the field, and it is predicted by those in a position to know that as soon as the service is launched listeners will be able to hear actual recordings of happenings of importance and interest, instead of an oral description of them or, at best, a dramatization. These electrical transcriptions, quickly prepared, will be forwarded to broadcasting stations subscribing to the service, for release in a newsreel broadcast.

It is pointed out by those familiar with the project that newsreel men, who have an enviable reputation for alertness and being the first on the spot to record a news event, could be relied upon to see that the new service covered all news events of the country. This coverage of late has been pushing into the far corners of the earth where a pole is being discovered, or, in fact, wherever history is being made. Hours of course, must elapse before the reel could be relayed on to the public, but it could be counted on to bring out a realism that it is believed would appeal instantly to the public.

The project is not exactly a new one but up until now, broadcasters have never been able to get the ear of the motion picture interests on behalf of anything along the line of a newsreel of the air. Pathe, however, is now said to be much interested in the venture.

The Egyptian Broadcasting Commission has decided to inaugurate daily readings of the Koran.

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

LEGEND:

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

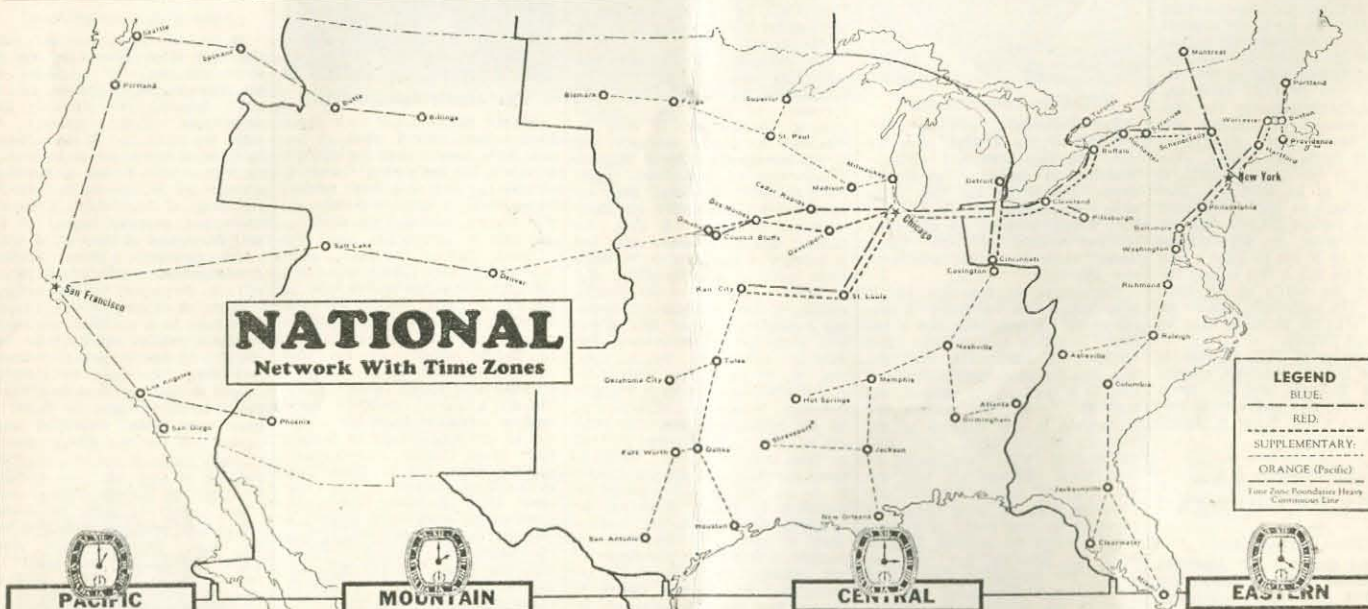
An overwhelming majority of interest in radio entertainment generally, is of course in the so-called network programs, which may be produced anywhere, but generally are released from key station studios in New York or Chicago. Thus from one small studio, a single broadcast is heard by countless millions,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

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

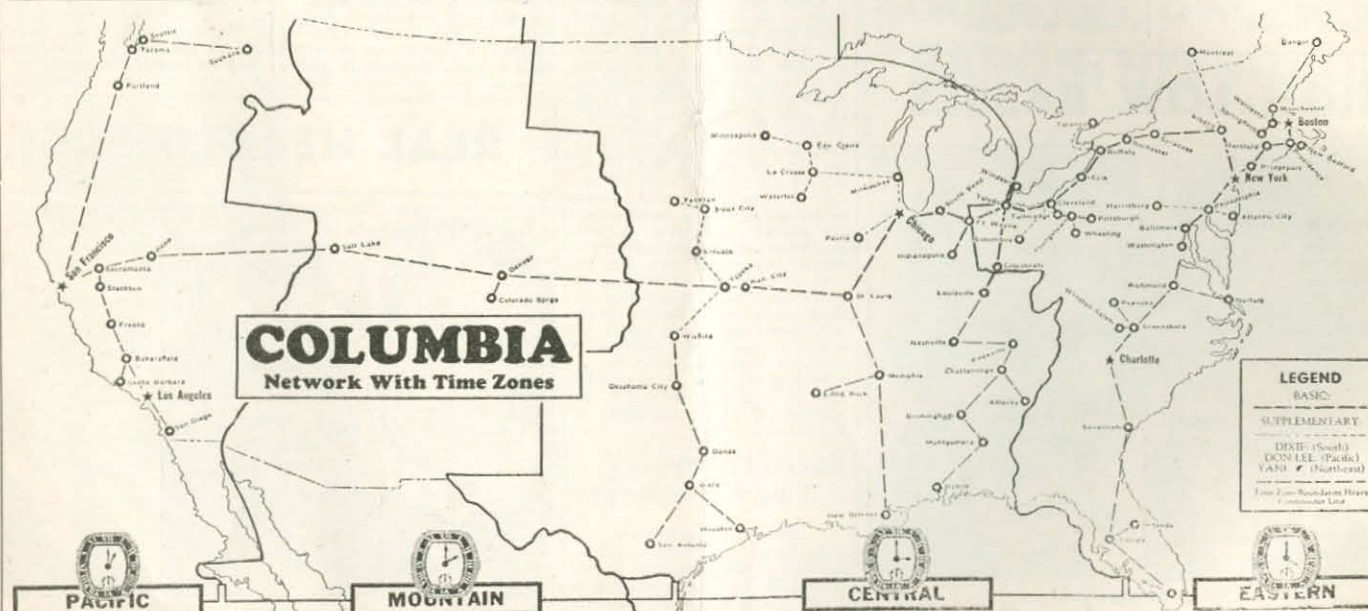
plete station list of each chain is given, from which may be dated the nearest station of the chain from which the program is desired. It should be remembered, however, that member stations do not take every release; if one does not carry the program you desire, try another.

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

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



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



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

HOW THE NETWORKS ENCOMPASS A CONTINENT

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

NATIONAL BROADCASTING COMPANY (91)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
Blue (21)											
56	WFL	Philadelphia	500	66	WEAF	New York	50,000	143	KECA	Los Angeles	1,000
57	WFS	Syracuse	250	79	WGY	Schenectady	50,000	147	KGA	Spokane	5,000
60	CFCF	Montreal	500	87	WLS	Chicago	50,000				
67	WMAQ	Chicago	5,000	89	WJAB	Providence	500	Supplementary (30)			
70	WLW	Cincinnati	50,000	90	WBBN	Buffalo	1,000	55	KFYR	Bismark	1,000
75	WJZ	Detroit	10,000	92	WWSH	Portland	1,000	57	WVNC	Asheville	1,000
76	WJZ	New York	30,000	97	WCFL	Chicago	5,000	62	WFLA	Clearwater	1,000
87	WENR	Chicago	500	100	WOC	Des Moines	50,000	62	WTMJ	Milwaukee	1,000
95	WRC	Washington	500	106	WTIC	Hartford	50,000	65	WSM	Nashville	50,000
96	CRCT	Toronto	5,000	107	WTAM	Cleveland	50,000	68	WPTF	Raleigh	1,000
98	KDKA	Pittsburgh	50,000	122	WCAE	Pittsburgh	50,000	74	WSB	Atlanta	50,000
99	WBZ	Boston	25,000	127	WFBF	Baltimore	500	78	WMC	Memphis	50,000
102	KYW	Chicago	10,000	133	WSAI	Cincinnati	1,000	80	WFAA	Dallas	50,000
106	WBAL	Baltimore	10,000	140	WKBF	Indianapolis	500	80	WBAP	Fort Worth	10,000
115	WHAM	Rochester	25,000					90	WJAX	Jacksonville	1,000
122	WREN	Kansas City	1,000	Orange (18)				90	WKY	Oklahoma City	1,000
126	KOIL	Cum. Moines	1,000	Keys, KGO, KPO, San Francisco				94	WDAY	Fargo	1,000
135	KWK	Des Moines	500	59	KHQ	Spokane	1,000	92	KPRC	Houston	1,000
138	KSD	Des Moines	500	60	KFSD	San Diego	500	94	WAVE	Louisville	1,000
142	KWCR	Cedar Rapids	100	62	KGW	Portland	1,000	101	WIS	Columbia	500
145	WGAR	Cleveland	500	62	KTVB	Phoenix	500	104	KTHV	Hot Springs	10,000
Red (22)											
Key Station, WEAF, New York											
55	KSD	St. Louis	500	64	KFI	Los Angeles	50,000	114	WAPI	Birmingham	25,000
56	WLIT	Philadelphia	500	68	KPO	San Francisco	50,000	114	KVOI	Tulsa	25,000
58	WTAG	Worcester	500	75	KGU	Honolulu	2,500	119	WQAI	San Antonio	50,000
59	WOW	Omaha	1,000	79	KGO	San Francisco	7,500	121	WSDC	Charlotte	100
59	WEEL	Boston	1,000	83	KOA	Denver	50,000	127	WJDX	Jackson	1,000
61	WDAF	Kansas City	1,000	92	KOMO	Seattle	1,000	128	WIBA	Madison	1,000
63	WMAL	Washington	250	95	KJR	Seattle	5,000	129	WBCB	Superior	1,000
				97	KGLH	Billings	1,000	130	WIOD	Miami Beach	500
				118	KEX	Portland	5,000	132	WSMB	New Orleans	1,000
				123	KYA	San Francisco	1,000	145	KTBS	Shreveport	1,000
				129	KOYL	Salt Lake	1,000	146	KSTR	St. Paul	10,000
				126	KGIR	Butte	500	149	WCKY	Covington	5,000

COLUMBIA BROADCASTING SYSTEM (95)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
Basic (24)											
110	WPG	Atlantic City	5,000	147	WLAC	Nashville	500	Yankee (11)			
112	WISN	Milwaukee	250	148	KOMA	Oklahoma City	5,000	Key Station, WNAC, Boston			
116	WVVA	Wheeling	5,000					60	WICC	Bridgeport	250
126	WLBW	Erie Pa.	500					62	WLBZ	Bangor	500
130	KFH	Wichita	1,000					78	WEAN	Providence	250
137	WGL	Pt. Wayne	100					78	WTAR	Norfolk	500
143	WCAH	Columbus	500					78	WEAN	Providence	250
143	WHCC	Rochester	500					78	CKPR	Pt. William	100
143	WHP	Harrisburg	500					78	WMC	Memphis	50,000
144	WMBD	Peoria Ill.	500					79	WGY	Schenectady	50,000
Dixie (26)											
Key Station, WBT, Charlotte											
56	WQAM	Miami	1,000	133	WNBH	N. Bedford	100	130	WIOD	Miami Beach	1,000
58	WDBO	Orlando	250	141	WABR	Boston	500	131	WSJS	Wins. Salem	100
60	WREC	Memphis	500	142	WMAA	Springfield	100	131	WNBH	N. Bedford	100
78	WTAR	Norfolk	500	143	WFAA	Manchester	500	81	WCCO	Minneapolis	50,000
89	WGST	Atlanta	250					82	WHAS	Louisville	25,000
93	WBRC	Birmingham	500					83	KOA	Denver	50,000
93	WDBJ	Roanoke	250					84	CKLW	Windsor	5,000
104	KRLD	Dallas	10,000					84	CJOC	Lethbridge	100
108	WBT	Charlotte	25,000					86	WABC	New York	50,000
112	KTRH	Houston	500					87	WENR	Chicago	5,000
121	WMBG	Richmond	250					87	WLS	Chicago	50,000
122	WDAE	Tampa	1,000					88	CJCB	Sydney	50
125	WDSU	New Orleans	1,000					88	CRCO	Ottawa	1,000
126	WTOC	Savannah	500					94	KUIN	Portland	1,000
128	WDDC	Chattanooga	1,000					105	KFBK	Sacramento	1,000
128	WRR	Dallas	500					113	KLZ	Salt Lake	50,000
129	KTSA	San Antonio	1,000					120	KERN	Bakersfield	100
131	WSJS	Wins. Salem	100					120	KWG	Stockton	100
137	WMBR	Jacksonville	100					121	KMJ	Fresno	100
139	KLRA	Little Rock	1,000					127	KVOR	Colo. Sprs.	1,000
141	WODX	Mobile	100					127	KOL	Seattle	1,000
141	WSFA	Montgomery	500					134	WSPD	Toledo	1,000
142	WACO	Waco, Tex.	1,000					134	KFPY	Spokane	1,000
144	WBIG	Greensboro	500					135	KWK	St. Louis	1,000
								136	WFBZ	Syracuse	1,000
								136	KGIR	Butte	500
								137	WGL	Pt. Wayne	100
								137	WMBR	Jacksonville	100
								138	KOH	Reno	500
								138	KSO	Des Moines	500
								139	WHK	Cleveland	1,000
								139	KLRA	Little Rock	1,000
								140	WBFB	Indianapolis	500
								141	WAAB	Boston	500
								141	WODX	Mobile	100
								141	WSFA	Montgomery	500
								141	WAAB	Boston	500
								142	WACO	Waco, Tex.	1,000
								142	WACB	Springfield	100
								142	WKCR	Cedar Rapids	100
								143	WOKN	Albany	500
								143	W'AH	Columbus	500
								143	WHFC	Rochester	500
								143	WHP	Harrisburg	500
								143	WFAA	Manchester	500
								143	KECA	Los Angeles	1,000
								144	WMBD	Peoria Ill.	500
								144	WBIG	Greensboro	500
								145	CKX	Brandon	500
								145	KTBS	Shreveport	1,000
								145	WGAR	Cleveland	500
								146	KSTR	St. Paul	10,000
								146	WJVS	Washington	10,000
								147	WLAC	Nashville	500
								147	KGA	Spokane	5,000
								148	WKWB	Buffalo	5,000
								148	KOMA	Oklahoma City	5,000
								149	WCKY	Covington	5,000
								150	KDB	St. Barbara	100
								150	CRCS	Chicoutimi	100

CANADIAN COMMISSION NETWORK (40)

Channel	Call	City	Power	Channel	Call	City	Power	Channel	Call	City	Power
Eastern (23)											
93	CKPC	Brantford	100	121	CHNC	New Carlisle	100	93	CFAC	Calgary	500
63	CFCY	Charlottetown	500	93	CFCH	North Bay	100	103	CFCH	Calgary	10,000
60	CFCH	Chatham	50	112	CKOC	St. Cathar's	100	78	CHWK	Chilliwack	100
150	CRCS	Chicoutimi	100	121	CFBC	St. John	500	73	CJCA	Edmonton	1,000
103	CFNB	Fredericton	500	112	CHGS	Summerside	100	78	CKPR	Pt. William	100
105	CHNS	Halifax	500	88	CJCB	Sydney	50	51	CKFC	Kamloops	100
120	CKTB	Hamilton	50	503	CKNC	Toronto	100	121	CKOV	Kelowna	100
101	CHML	Hamilton	500	58	CKCL	Toronto	500	84	CJOC	Lethbridge	100
121	CKCH	Hull, P. Q.	100	96	CRCT	Toronto	5,000	54	CJRM	Moose Jaw	500
91	CRCM	Montreal	5,000	110	CRCV	Vancouver	1,000	121	CKBI	Prince Albert	500
88	CRCO	Ottawa	1,000	Western (17)							
93	CHRC	Quebec	100	145	CKX	Brandon	500	101	CHWC	Regina	500
73	CFPL	London	100	69	CJCJ	Calgary	500	101	CKCK	Regina	500
								123	CFQC	Saskatoon	500
								91	CKY	Winnipeg	5,000
								63	CJGX	Yorkton	500

Afternoon PROGRAMS (Eastern):

Let These Pages Help You Find the Programs You Will Enjoy

Because most of the interest in radio programs is in the transcontinental features, attention is paid in these pages only to these releases. An orchestra begins to play in New York City; far away in another time zone, you listen to the music. You hear it regularly each day until you come to fix in your mind a certain hour; yet others are listening in other zones at a different time, and both are still different from the time in the studio where the orchestra is playing. Yet the music that is going across the continent is going on the air at precisely the same second and the answer to this is the changes in standard time that have a great deal to do with radio programs. Time-zone network maps are published frequently in this magazine, showing the time changes that occur, while program time (for the Evening programs that go across the continent) are given in each of the five zones.

Just as the day begins first in the East, so do the first programs appear. On this page are listed the afternoon chain releases, from noon to six in the evening (Eastern time). A few of these programs go across the continent but in the main it is too early for Coast-to-Coast releases. Following these are the Evening Programs, listed on the following double page. Practically this is the entertainment guide of the nation, and the programs listed include radio's most important. From six in the evening until midnight (Eastern Time) all releases on four networks are shown, the majority of which go from Coast to Coast. The period, however, is a little too early for the Pacific Coast (three in the afternoon to nine in the evening). So on the following page the Pacific Coast networks are shown—from four in the afternoon to midnight (seven to three in the morning Eastern time). While these schedules over-

lap the Evening Program schedules, the Coast networks do not carry all of the Eastern releases, supplanting a part of them with their own attractions. All three schedules are based on 15-minute periods—four to the hour. Three simultaneous releases are listed, one for Columbia and two for NBC (the Blue and Red in the East; the Orange and Gold in the West). The Evening Program schedule includes a fourth network—the Canadian chain. This schedule also gives, where possible, the point of origination of each program, and the zones covered. NBC has but one chain on the Coast (the Orange) but a second program schedule is maintained alternately by the two San Francisco key stations, KGO and KPQ, the one broadcasting singly while the other heads the chain on which are carried either Coast NBC programs or Eastern Blue and Red releases.

Quarter Hour Periods in Eastern Standard Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12:00 NOON	NBC Blue. NBC Red. COLUM. Don Hall Trio. Capitol Family. Salt Lake Organ.	The Commodores. Piano Duo. Voice of Experience.	U. S. Marine Band. Piano Duo. Voice of Experience.	Eva Taylor, Crooner. The Commodores. Voice of Experience.	The Commodores. Henrietta Schumann. Voice of Experience.	Astrid Fjeld, Soprano. The Commodores. Voice of Experience.	Fireside Songs. Boy Scouts. Vincent Travers Orch.
12:15	NBC Blue. NBC Red. COLUM. Baby Rose Marie. Home Circle. Salt Lake Organ.	Wendell Hall. Johnny Marvin, Tenor. Betty Barthel, Song.	U. S. Marine Band. Johnny Marvin, Tenor. Connie Gates, Songs.	Fireside Songs. Johnny Marvin, Tenor. Betty Barthel, Songs.	Wendell Hall. Johnny Marvin, Tenor. Betty Barthel, Songs.	Wendell Hall. Johnny Marvin, Tenor. Betty Barthel, Songs.	Genia Tonarivo. Boy Scouts. Vincent Travers Orch.
12:30	NBC Blue. NBC Red. COLUM. Radio City Concert. Round Table. Madison Ensemble.	Farm and Home Hour. Rex Battle Orch. Concert Miniatures.	Farm and Home Hour. Concert Ensemble. Angelo Rhumba Orch.	Farm and Home Hour. On Wings of Song. Smiling Ed McConnell.	Farm and Home Hour. Concert Ensemble. Angelo Rhumba Orch.	Farm and Home Hour. Rex Battle Orch. Enoch Light Orch.	Farm Bureau Fed. Trade Festival Talk. Enoch Light Orch.
12:45	NBC Blue. NBC Red. COLUM. Radio City Concert. Round Table. Madison Ensemble.	Farm and Home Hour. Rex Battle Orch. Concert Miniatures.	Farm and Home Hour. Concert Ensemble. Angelo Rhumba Orch.	Farm and Home Hour. On Wings of Song. M. Raginsky Orch.	Farm and Home Hour. Concert Ensemble. Angelo Rhumba Orch.	Farm and Home Hour. Rex Battle Orch. Enoch Light Orch.	Farm Bureau Fed. Rex Battle Orch. Enoch Light Orch.
1:00	NBC Blue. NBC Red. COLUM. Radio City Concert. Russian Choir. Church of the Air.	Farm and Home Hour. Markets, Weather. George Hall Orch.	Farm and Home Hour. Markets, Weather. French Princess.	Farm and Home Hour. Markets, Weather. French Princess.	Farm and Home Hour. Markets, Weather. French Princess.	Farm and Home Hour. Markets, Weather. French Princess.	Farm Bureau Fed. Town Hall Club. Savitt String Quartet.
1:15	NBC Blue. NBC Red. COLUM. Radio City Concert. Russian Choir. Church of the Air.	Farm and Home Hour. Pinky Hunter Orch. George Hall Orch.	Farm and Home Hour. Joan Marrow Orch.	Farm and Home Hour. Close Harmony. The Playboys.	Farm and Home Hour. Pedro Via Orch. Joan Marrow Orch.	Farm and Home Hour. Close Harmony. The Playboys.	Farm Bureau Fed. Town Hall Club. Savitt String Quartet.
1:30	NBC Blue. NBC Red. COLUM. Youth Conference. Matex Program. Minstrel Man.	Vic and Sade. Concert Ensemble. New York Conference.	Vic and Sade. Pinky Hunter Orch. Easy Aces.	Vic and Sade. Concert Ensemble. Easy Aces.	Vic and Sade. Concert Ensemble. Easy Aces.	Vic and Sade. Concert Ensemble. Easy Aces.	Victory Songs. Town Hall Club. Savitt String Quartet.
1:45	NBC Blue. NBC Red. COLUM. Youth Conference. Matex Program. Minstrel Man.	The Merriemen. Concert Ensemble. New York Conference.	Merry Macs. Pinky Hunter Orch. Painted Dreams.	The Merriemen. Concert Ensemble. Painted Dreams.	The Merry Macs. Concert Ensemble. Painted Dreams.	The Merry Macs. Concert Ensemble. Painted Dreams.	Metropolitan Opera. Metropolitan Opera. Harold Knight Orch.
2:00	NBC Blue. NBC Red. COLUM. Bar-X Days, Nights. The Commodores. Broadway Melodies.	Musical Originalities. Revolving Stage. Ann Leaf, Organ.	Meredith Willson Orch. Merry Madcaps. Ann Leaf, Organ.	Happy Days in Dixie. Leo Zollo Orch. The Captivators.	Sleepy Hall Orch. To Be Announced. Ann Leaf, Organ.	Happy Days in Dixie. Leo Zollo Orch. Artist Recital.	Metropolitan Opera. Metropolitan Opera. Ann Leaf, Organ.
2:15	NBC Blue. NBC Red. COLUM. Bar-X Days, Nights. The Commodores. Broadway Melodies.	Musical Originalities. Revolving Stage. Ann Leaf, Organ.	Meredith Willson Orch. Merry Madcaps. Ann Leaf, Organ.	Happy Days in Dixie. Leo Zollo Orch. Artist Recital.	Sleepy Hall Orch. To Be Announced. Ann Leaf, Organ.	Happy Days in Dixie. Leo Zollo Orch. Artist Recital.	Metropolitan Opera. Metropolitan Opera. Ann Leaf, Organ.
2:30	NBC Blue. NBC Red. COLUM. Perfect Circle Program. Elizabeth Lennox. Hollywood Show.	Smack Out. Revolving Stage. School of Air.	Smack Out. Kath. Palmer, Soprano. School of Air.	Smack Out. Trio Romantique. School of Air.	Smack Out. Trio Romantique. School of Air.	Smack Out. Trio Romantique. School of Air.	Metropolitan Opera. Metropolitan Opera. Artist Recital.
2:45	NBC Blue. NBC Red. COLUM. Perfect Circle Program. Gems of Melody. Hollywood Show.	Words and Music. Revolving Stage. School of Air.	Vin Linde. Talk. School of Air.	Words and Music. Two Seats in Balcony. School of Air.	Words and Music. To Be Announced. School of Air.	Words and Music. Friday Steeplechase. School of Air.	Metropolitan Opera. Metropolitan Opera. Artist Recital.
3:00	NBC Blue. NBC Red. COLUM. International Tid-Bits. Wayne King's Orch. Symphony Orchestra.	Radio Guild. Ma Perkins. Oahu Serenaders.	Rochester Civic Orch. Ma Perkins. Metropolitan Parade.	Reed Kennedy. Ma Perkins. Metropolitan Parade.	Reed Kennedy. Ma Perkins. Metropolitan Parade.	Reed Kennedy. Ma Perkins. Metropolitan Parade.	Metropolitan Opera. Metropolitan Opera. Dancing Echoes.
3:15	NBC Blue. NBC Red. COLUM. Irene Rich, Drama. Wayne King's Orch. Symphony Orchestra.	Radio Guild. Ray Heatherton. Voice of Experience.	Rochester Civic Orch. Blue Room Echoes. Metropolitan Parade.	Philharmonic Orch. U. S. Marine Band. Metropolitan Parade.	Philharmonic Orch. U. S. Marine Band. Metropolitan Parade.	Philharmonic Orch. U. S. Marine Band. Metropolitan Parade.	Metropolitan Opera. Metropolitan Opera. Dancing Echoes.
3:30	NBC Blue. NBC Red. COLUM. The Yeast Foamers. Spartan Trifolians. Symphony Orchestra.	Radio Guild. Woman's Radio Review. U.S. Marine Band.	Rochester Civic Orch. London Broadcast. Manhattan Moods.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Metropolitan Opera. Metropolitan Opera. Round Towners.
3:45	NBC Blue. NBC Red. COLUM. The Yeast Foamers. Spartan Trifolians. Symphony Orchestra.	Radio Guild. Woman's Radio Review. U.S. Marine Band.	Rochester Civic Orch. London Broadcast. Manhattan Moods.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Philharmonic Orch. Woman's Radio Review. Student Federation.	Metropolitan Opera. Metropolitan Opera. Round Towners.
4:00	NBC Blue. NBC Red. COLUM. Dog Drama, Terhune. To Be Announced. Symphony Orchestra.	Betty and Bob. Woman's Radio Review. U. S. Navy Band.	Betty and Bob. Woman's Radio Review. U. S. Navy Band.	Betty and Bob. Woman's Radio Review. U. S. Navy Band.	Betty and Bob. Woman's Radio Review. U. S. Navy Band.	Betty and Bob. Woman's Radio Review. U. S. Navy Band.	Dance Masters. Metropolitan Opera. Sat. Synopaters.
4:15	NBC Blue. NBC Red. COLUM. Organ Recital. Wildroot Program. Symphony Orchestra.	Congress Musicale. John Martin Program. Bob Nolan Orch.	Mouth Health. Horacio Zito Orch. U. S. Navy Band.	Alice Joy, Dream Girl. Pop Concert. Musical Classics.	Alice Joy, Dream Girl. Pop Concert. Musical Classics.	Alice Joy, Dream Girl. Pop Concert. Musical Classics.	Dance Masters. Metropolitan Opera. Sat. Synopaters.
4:30	NBC Blue. NBC Red. COLUM. Dramatic Sketch. Hoover Sentinels. Symphony Orchestra.	Congress Musicale. Jack-Loretta Clemens. Artist Recital.	Musical Magic. Jack-Loretta Clemens. Enoch Light Orch.	Hutchins Hapgood. Jack-Loretta Clemens. Science Service.	Hutchins Hapgood. Jack-Loretta Clemens. Science Service.	Hutchins Hapgood. Jack-Loretta Clemens. Science Service.	Concert Favorites. Metropolitan Opera. M. Raginsky Orch.
4:45	NBC Blue. NBC Red. COLUM. Dramatic Sketch. Hoover Sentinels. Symphony Orchestra.	Congress Musicale. Lady Next Door. Artist Recital.	Harry Owens Orch. Lady Next Door. Enoch Light Orch.	Concert Favorite. Lady Next Door. The Merry-makers.	Concert Favorite. Lady Next Door. The Merry-makers.	Concert Favorite. Lady Next Door. The Merry-makers.	Concert Favorites. Metropolitan Opera. M. Raginsky Orch.
5:00	NBC Blue. NBC Red. COLUM. National Vespers. Big Ben Drama. Roses and Drums.	Your Health. University Glee Club. Skippy.	Harry Owens Orch. The Music Box. Skippy.	Marlin Sisters. To Be Announced. Skippy.	Fed. Women's Clubs. Green Bros. Orch. Skippy.	To Be Announced. Green Bros. Orch. Skippy.	Piano Duo. To Be Announced. Pancho Orch.
5:15	NBC Blue. NBC Red. COLUM. National Vespers. Romances of Science. Roses and Drums.	Babes in Hollywood. South Sea Islanders. The Dictators.	To Be Announced. The Music Box. Madison Ensemble.	Babes in Hollywood. Ted Black Orch. Joan Olsen Orch.	Babes in Hollywood. Green Bros. Orch. George Hall Orch.	Babes in Hollywood. Green Bros. Orch. George Hall Orch.	Harmony Trio. The Three Scamps. Pancho Orch.
5:30	NBC Blue. NBC Red. COLUM. Grand Hotel. Talkie Picture Time. Crumit and Sanderson.	The Singing Lady. Tom Mix Adventures. All American Boy.	To Be Announced. The Tattered Man. All American Boy.	Singing Lady. Tom Mix Adventures. All American Boy.	The Singing Lady. Winnie the Pooh. All American Boy.	The Singing Lady. Winnie the Pooh. All American Boy.	Babes in Hollywood. Lady Next Door. All American Boy.
5:45	NBC Blue. NBC Red. COLUM. Grand Hotel. Talkie Picture Time. Crumit and Sanderson.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.	Little Orphan Annie. Wizard of Oz. Rex Cole Mountaineers. George Hall Orch.

: Night PROGRAMS (Pacific Coast)

Quarter Hour Periods in Eastern Standard Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4:00	NBC Oran. NBC Gold. COLD. Ted Weems' Orch. Community Forum. Newspaper Adventures.	Dance Masters. Art and Music. Hodge Podge Lodge.	Musical Program. Family Cook Book. Correct English.	Green Brothers Orch. Society Sidelines. Melodies Organique.	Musical Program. Family Cook Book. Recordings.	Studio Chatter. Dance Masters. Hodge Podge Lodge.	Jack Denny, Orch. Stringwood Ensemble. Elder Michaux Cong.
4:15	NBC Oran. NBC Gold. COLD. Ted Weems' Orch. Community Forum. Ace Brigade Orch.	Dance Masters. Little Colleen. Hodge Podge Lodge.	Your Government. John and Ned. Texas Rangers.	Russo, Oriental Orch. Tone Portraits. Texas Rangers.	Dance Masters. Harry Stanton, Bass. Texas Rangers.	Studio Chatter. Dance Masters. Hodge Podge Lodge.	Religion in News. Tom Coakley, Orch. Elder Michaux Cong.
4:30	NBC Oran. NBC Gold. COLD. J. Penner, Comedian. Silhouettes. H. V. Kaltenborn.	Mary and Her Garden. Stringwood Ensemble. Vidacrin Laboratories.	Your Government. Mary and Her Garden. Vidacrin Laboratories.	Mary and Her Garden. Tone Portraits. Vidacrin Laboratories.	Mary and Her Garden. C. Gardel Baritone. Vidacrin Laboratories.	Mary and Her Garden. Melody Mixers. Vidacrin Laboratories.	Arion Trio. Tom Coakley, Orch. Vidacrin Laboratories.
4:45	NBC Oran. NBC Gold. COLD. J. Penner, Comedian. Silhouettes. Cello and Organ.	Little Orphan Annie. Stringwood Ensemble. Town Topics.	Little Orphan Annie. Melody Mixers. Town Topics.	Little Orphan Annie. Alvin Rey, Guitar. Town Topics.	Little Orphan Annie. C. Gardel Baritone. Town Topics.	Little Orphan Annie. Juvenile Program. Town Topics.	Little Orphan Annie. News Broadcast. Tito Guizar.
5:00	NBC Oran. NBC Gold. COLD. Cantor and Rubino. Silhouettes. An Evening in Paris.	Dramatic Sketch. Stringwood Ensemble. Hawaiian Strings.	Stringwood Ensemble. Iokelp Program. Theatre of the Air.	Miscellaneous. Irv. Kennedy, Tenor. NRA Speaker.	Rudy Vallee, Orch. Canzonetta. Little Theatre of Air.	Melody Mixers. Iokelp Program. To Be Announced.	Stringwood Ensemble. Art in America. Dance Music.
5:15	NBC Oran. NBC Gold. COLD. Cantor and Rubino. Walter Behan's Orch. An Evening in Paris.	Dramatic Sketch. News Broadcast. H Bar O Rangers.	Leo Reisman's Orch. News Broadcast. H Bar O Rangers.	Canzonetta. Children's Corner. H Bar O Rangers.	Rudy Vallee, Orch. Iokelp Program. H Bar O Rangers.	Melody Mixers. News Broadcast. H Bar O Rangers.	Stringwood Ensemble. Art in America. To Be Announced.
5:30	NBC Oran. NBC Gold. COLD. Cantor and Rubino. Walter Behan's Orch. Waring's Pennsylvania's.	Billy Batchelor. Piano Pals. Bing Crosby.	Arion Trio. Charlie Lung's Gang. Little Orphan Annie. Peasant Band. Sports Authority.	Billy Batchelor. Song Shots. A. Spalding, Violin.	Rudy Vallee, Orch. Organ Concert. Charlie Lung's Gang.	Billy Batchelor. Song Shots. A. Spalding, Violin.	Billy Batchelor. Boston Symphony. To Be Announced.
5:45	NBC Oran. NBC Gold. COLD. Cantor and Rubino. Henry M. Hyde Ats. Waring's Pennsylvania's.	Little Orphan Annie. Carlos Molina Orch. Bing Crosby.	Little Orphan Annie. Carlos Molina Orch. Bing Crosby.	Little Orphan Annie. Russo's Oriental Or. A. Spalding, Violin.	Rudy Vallee, Orch. Behind the Footlights. Musical Program.	Little Orphan Annie. Ross, Dog Stories. March of Time.	Little Orphan Annie. Boston Symphony. Trade and Mark.
6:00	NBC Oran. NBC Gold. COLD. Man. Merry-Go-Round. Gunnar Johansen. Seven Star Revue.	Eileen Piggot. Organ Concert. L. Stokowski Orch.	Doric Quartet. Canzonetta. L. Stokowski Orch.	Ipana Troubadours. Arion Trio. L. Stokowski Orch.	Maxwell House. Arion Trio. L. Stokowski Orch.	Phil Harris, Orch. Musical Program. L. Stokowski Orch.	Boston Symphony. Melody Mixers. L. Stokowski Orch.
6:15	NBC Oran. NBC Gold. COLD. Man. Merry-Go-Round. Gunnar Johansen. Seven Star Revue.	Chester Rowell. Organ Concert. Andre Kostelanetz.	Doric Quartet. Historical Sketches. Alexander Woolcott.	Ipana Troubadours. Nite Club. To Be Announced.	Maxwell House. Arion Trio. Andre Kostelanetz.	Phil Harris, Orch. Musical Program. Alexander Woolcott.	Boston Symphony. Melody Mixers. To Be Announced.
6:30	NBC Oran. NBC Gold. COLD. Album Familiar Music. Paul Carson, Organ. Seven Star Revue.	Dobbie Ship of Joy. Safety First. The Big Show.	Texaco Fire Chief. Nite Club. George Jessel.	John McCormack. Cliff Dwellers. Burns, Allen, Lombardo.	Maxwell House. Business Talk. Andre Kostelanetz.	Phil Baker, Armour. Musical Program. Melodic Strings.	Boston Symphony. Melody Mixers. Baldwin McGaw.
6:45	NBC Oran. NBC Gold. COLD. Album Familiar Music. Paul Carson, Organ. Seven Star Revue.	Dobbie Ship of Joy. Dect's Black and Blue. The Big Show.	Texaco Fire Chief. Walter Behan's Orch. Rocket Gasoline.	John McCormack. Dect's Black and Blue. Burns, Allen, Lombardo.	Maxwell House. Marshall's Mavericks. Waring's Pennsylvan.	Phil Baker, Armour. Dect's Black and Blue. Melodic Strings.	Boston Symphony. Melody Mixers. Baldwin McGaw.
7:00	NBC Oran. NBC Gold. COLD. Chevrolet Program. Knickerbocker Quar. Angelo Patri.	Contented Program. Southern Harmony. Wayne King's Orch.	Seth Parker. Flori and Lev Shorr. Camel Caravan.	Corn Cob Pipe Club. Edna Fischer, Piano. Ted Fio Rito's Orch.	Paul Whiteman, Orch. Marshall's Mavericks. Camel Caravan.	First Nighter. Sport's Revue. Swift Revue.	B. A. Rolfe, Orch. Educational Program. Byrd Expedition.
7:15	NBC Oran. NBC Gold. COLD. Chevrolet Program. Personal Close-Ups. Angelo Patri.	Contented Program. Tarzan of the Apes. Wayne King's Orch.	Seth Parker. Flori and Lev Shorr. Camel Caravan.	Corn Cob Pipe Club. Tarzan of the Apes. Ted Fio Rito's Orch.	Paul Whiteman, Orch. Political Address. Camel Caravan.	First Nighter. Tarzan of the Apes. Swift Revue.	B. A. Rolfe, Orch. Cleft Dwellers. Byrd Expedition.
7:30	NBC Oran. NBC Gold. COLD. Hall of Fame. Rainbow Harmonies. The Merry-makers.	Demi-Tasse Revue. Dr. Miles Program. Columbia News Service.	Madame Sylvia. South. Harmony Four. Jeffrey Gill, Tenor.	Nat. Radio Forum. Dr. Miles Program. Ted Fio Rito's Orch.	Paul Whiteman, Orch. Song Personalities. Columbia News Service.	One Man's Family. Miles Program. Columbia News Service.	B. A. Rolfe, Orch. Bal Tabarin Orch. Columbia News Service.
7:45	NBC Oran. NBC Gold. COLD. Hall of Fame. Rainbow Harmonies. The Merry-makers.	Demi-Tasse Revue. Stanford U. Program. Myrt and Marge.	Madame Sylvia. South. Harmony Four. Jeffrey Gill, Tenor.	Nat. Radio Forum. Agriculture Today. Myrt and Marge.	Paul Whiteman, Orch. Song Personalities. Myrt and Marge.	One Man's Family. Hart Instrumentalists. Myrt and Marge.	B. A. Rolfe, Orch. Bal Tabarin Orch. H. V. Kaltenborn.
8:00	NBC Oran. NBC Gold. COLD. Miscellaneous. Rudy Seiger's Orch. The Merry-makers.	Amos 'n' Andy. Edna Fischer, Piano. Shell Show.	Amos 'n' Andy. N. LaSalle, Songs. Harlem Serenaders.	Amos 'n' Andy. N. LaSalle, Songs. Singing Program.	Amos 'n' Andy. N. LaSalle, Songs. Singing Program.	Amos 'n' Andy. Hart Instrumentalists. Mary Eastman, Sopr.	Variety Program. Musical Program. Guy Lombardo Orch.
8:15	NBC Oran. NBC Gold. COLD. Walter Winchell. Rudy Seiger's Orch. The Merry-makers.	Poet Prince. Dramatic Sketch. Shell Show.	Memory Lane. Holly. Looking Glass. Musical Program.	Memory Lane. Holly. Looking Glass. Musical Program.	Memory Lane. Holly. Looking Glass. Musical Program.	Memory Lane. Holly. Looking Glass. Musical Program.	Variety Program. Musical Program. Guy Lombardo Orch.
8:30	NBC Oran. NBC Gold. COLD. Death Valley Days. The Master Singers. Ace Brigade Orch.	Voice of Firestone. Magnolia Minstrels. Shell Show.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Variety Program. Musical Program. Ted Fio Rito Orch.
8:45	NBC Oran. NBC Gold. COLD. Death Valley Days. The Master Singers. Ace Brigade Orch.	Voice of Firestone. Magnolia Minstrels. Shell Show.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Memory Lane. Meredith Willson Orch. Mellow'd Melodies.	Variety Program. Musical Program. Ted Fio Rito Orch.
9:00	NBC Oran. NBC Gold. COLD. Reader's Guide. Musical Program. Ted Fio Rito's Orch.	Sealed Power Show. NBC Drama Hour. Raymond Paige, Orch.	Winning the West. Phil Harris, Orch. Sports Parade.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Hollywood on the Air. Musical Program. Hermie King, Orch.
9:15	NBC Oran. NBC Gold. COLD. Reader's Guide. Musical Program. Ted Fio Rito's Orch.	Sealed Power Show. NBC Drama Hour. Raymond Paige, Orch.	Phil Harris, Orch. Book Parade. Sports Parade.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Standard Symphony. George Olsen, Orch. Blue Monday Jamb'ree.	Hollywood on the Air. Musical Program. Hermie King, Orch.
9:30	NBC Oran. NBC Gold. COLD. Bal Tabarin Orch. U. of C. Program. Ted Fio Rito's Orch.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Hollywood on the Air. Musical Program. Hermie King, Orch.
9:45	NBC Oran. NBC Gold. COLD. Bal Tabarin Orch. U. of C. Program. Ted Fio Rito's Orch.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Memory Box. Meredith Willson Orch. Little Jack Little.	Hollywood on the Air. Musical Program. Hermie King, Orch.
10:00	NBC Oran. NBC Gold. COLD. Richfield News Flashes. Smith Ballew Orch. News Editor of Air.	Richfield News Flashes. Piano Pictures. News Editor of Air.	Richfield News Flashes. Pacific Serenaders. News Editor of Air.	Richfield News Flashes. Marshall's Mavericks. News Editor of Air.	Richfield News Flashes. Marshall's Mavericks. News Editor of Air.	Richfield News Flashes. Marshall's Mavericks. News Editor of Air.	Hollywood on the Air. Musical Program. Hermie King, Orch.
10:15	NBC Oran. NBC Gold. COLD. Paul Carson, Organ. Smith Ballew Orch. Griffith Williams' Orch.	Herbert Kay, Orch. Musical Program. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
10:30	NBC Oran. NBC Gold. COLD. Paul Carson, Organ. On Wings of Music. Griffith Williams' Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
10:45	NBC Oran. NBC Gold. COLD. Paul Carson, Organ. On Wings of Music. Griffith Williams' Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Herbert Kay, Orch. Pacific Serenaders. Bill Fleck Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
11:00	NBC Oran. NBC Gold. COLD. Tom Coakley's Orch. Midnight Melodies. Ted Fio Rito's Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
11:15	NBC Oran. NBC Gold. COLD. Tom Coakley's Orch. Midnight Melodies. Ted Fio Rito's Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
11:30	NBC Oran. NBC Gold. COLD. Tom Coakley's Orch. Midnight Melodies. Bill Fleck Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.
11:45	NBC Oran. NBC Gold. COLD. Tom Coakley's Orch. Midnight Melodies. Bill Fleck Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Guy Lombardo Orch. Tom Coakley's Orch. Jimmy Grier, Orch.	Hollywood on the Air. Musical Program. Hermie King, Orch.

hours of each day are in black horizontal panels, from six to midnight New York time (3 to 9 Pacific Coast). Consider only the time in your own time zone.

In this column time is shown in five zones, each hour divided into quarter hour periods and each of these showing the four chains whose programs are listed on these pages.

Atlantic Time	7:00
Eastern Time	7:30
Central Time	8:00
Mountain Time	8:30
Pacific Time	9:00

Atlantic Time	8:00
Eastern Time	8:30
Central Time	9:00
Mountain Time	9:30
Pacific Time	10:00

Atlantic Time	9:00
Eastern Time	9:30
Central Time	10:00
Mountain Time	10:30
Pacific Time	11:00

Atlantic Time	10:00
Eastern Time	10:30
Central Time	11:00
Mountain Time	11:30
Pacific Time	12:00

Atlantic Time	11:00
Eastern Time	11:30
Central Time	12:00
Mountain Time	12:30
Pacific Time	1:00

Atlantic Time	12:00
Eastern Time	12:30
Central Time	1:00
Mountain Time	1:30
Pacific Time	2:00

SUNDAY EVENING PROGRAMS

Origin	TITLE	Zones
NY	Cadillac Concerts	EandC
NY	Catholic Hour	ECMP
NY	Songs My Mother Sang	EandC
NY	Origin of Our Indians	AtOP
NY	Cadillac Concerts	EandC
NY	Catholic Hour	ECMP
NY	Songs My Mother Sang	EandC
NY	Leonard Woolsey, Vocal Recital	AandE
NY	Cadillac Concerts	EandC
NY	Our American School	ECMP
NY	Smiling Ed McConnell	EandC
NY	Atlantic Nocturne	AandE
NY	Cadillac Concerts	EandC
NY	Our American School	ECMP
NY	Charles Carlie, Tenor	EandC
NY	Atlantic Nocturne	AandE

Chi	Ted Weems' Orchestra	ECMP
Chi	Dramatic Sketch	EandC
Chi	The American Revue	EandC
Mon	Le Vieil Album	AandE
Chi	Ted Weems' Orchestra	ECMP
Chi	Dramatic Sketch	EandC
Chi	Ace Brigade Orchestra	ECMP
Mon	Le Vieil Album	AandE
NY	The Bakers' Broadcast	ECMP
NY	Dramatic Sketch	EandC
NY	H. V. Kallenborn	ECMP
NY	Masters of Music	AandE
NY	The Bakers' Broadcast	ECMP
NY	The Fitch Program	EandC
NY	Rin Tin Tin Thrillers	EandC
Mon	Masters of Music	AandE

NY	To Be Announced	EandC
NY	Chase & Sanborn Hour	ECMP
NY	Evening in Paris	ECMP
NY	Chateau Laurier	AECM
NY	To Be Announced	EandC
NY	Chase & Sanborn Hour	ECMP
NY	Evening in Paris	ECMP
NY	Chateau Laurier	AECM
NY	To Be Announced	EandC
NY	Chase & Sanborn Hour	ECMP
NY	Dramatic Guild	ECMP
NY	Angelus Vocal Ensemble	AtOP
NY	To Be Announced	EandC
NY	Chase & Sanborn Hour	ECMP
NY	Dramatic Guild	ECMP
NY	Angelus Vocal Ensemble	AtOP

NY	Gulf Headliners	EandC
NY	Manhattan Merry-Go-Round	ECMP
NY	The Seven Star Revue	ECMP
NY	Operetta	AtOP
NY	Gulf Headliners	EandC
NY	Manhattan Merry-Go-Round	ECMP
NY	The Seven Star Revue	ECMP
NY	Operetta	AtOP
NY	Walter Winchell	EandC
NY	American Album Familiar Music	ECMP
NY	The Seven Star Revue	ECMP
NY	Operetta	AtOP
NY	Nat Shilkret, Orchestra	EandC
NY	American Album Familiar Music	ECMP
NY	The Seven Star Revue	ECMP
NY	Operetta	AtOP

NY	To Be Announced	EandC
NY	Chevrolet Program	ECMP
NY	"Patri's Drama Of Childhood"	ECMP
NY	Artist Series	AtOP
NY	To Be Announced	EandC
NY	Chevrolet Program	ECMP
NY	The Meistersingers	EandC
NY	Artist Series	AtOP
NY	C. Gardel, Baritone	EandC
NY	Hall of Fame	ECMP
NY	Conclave of Nations	ECM
NY	Artist Series	AtOP
NY	C. Gardel, Baritone	EandC
NY	Hall of Fame	ECMP
NY	Conclave of Nations	ECM
NY	Mendelssohn Choir	AtOP

NY	Girls Harmony Trio	EandC
NY	To Be Announced	EandC
NY	Little Jack Little	ECM
NY	Reg. Twilight Echoes From the Fires	ECMP
NY	Ennio Bolognini	EandC
NY	John Fogarty, Tenor	EandC
NY	Little Jack Little	ECM
NY	Reg. Twilight Echoes From the Fires	ECMP
NY	Buddy Rogers Orchestra	EandC
NY	Master Singers	EandC
NY	Henry Busse Orchestra	ECMP
NY	To Be Announced	EandC
NY	Buddy Rogers Orchestra	EandC
NY	Master Singers	EandC
NY	Henry Busse Orchestra	ECMP
NY	To Be Announced	ECM

IF YOU LIVE IN NORTH AMERICA, HERE'S YOUR

MONDAY EVENING PROGRAMS

Origin	TITLE	Zones
Wash. U. S. Army Band		EandC
NY	Xavier Cugat's Orchestra	ECMP
NY	Buck Rogers in 25th Century	EandC
Wash. U. S. Army Band		EandC
NY	Xavier Cugat's Orchestra	ECMP
NY	Al and Pete	ECM
NY	Three X Sisters	EandC
NY	Irene Beasley	EandC
NY	Enoch Light's Orchestra	EandC
NY	Musical	AandE
NY	Lowell Thomas; News	EandC
NY	Sch. Horseshoe Philosophy	ECMP
NY	Enoch Light Orchestra	ECMP
NY	Musical	AandE

Chi	Amos 'n' Andy	EandC
NY	Trio Romantique	EandC
NY	Myrt and Marge	EandC
NY	Organ Recital	AandE
NY	Baby Rose Marie, Songs	EandC
NY	Billy Batchelor	EandC
NY	Vincent Travers Orchestra	EandC
NY	Organ Recital	AandE
NY	Potash and Perlmutter	EandC
NY	The Mollie Show	EandC
NY	Music on the Air	EandC
NY	Conservatory String Quartet	AandE
NY	Mme. Frances Alda	ECMP
NY	The Goldbergs	EandC
NY	Boake Carter, News	EandC
NY	Conservatory String Quartet	AandE

Chi	Sealed Power Side Show	EandC
NY	Socoyland Sketches	EandC
NY	Happy Bakers	EandC
NY	Al Oliver's Hawaiians	AECM
Chi	Sealed Power Side Show	EandC
NY	Socoyland Sketches	EandC
NY	Edwin C. Hill, News	EandC
NY	Al Oliver's Hawaiians	AECM
NY	Dier Kist Recital	EandC
NY	The Voice of Firestone	ECMP
NY	Bing Crosby	AECM
NY	Music, Chatter and Song	ECMP
NY	Red Davis, Dramatic Sketch	EandC
NY	The Voice of Firestone	ECMP
NY	Bing Crosby	ECMP
NY	Music, Chatter and Song	AECM

NY	Sinclair Greater Minstrels	ECM
NY	A & P Gypsies	EandC
NY	L. Stokowski, Philadelphia Orch.	ECMP
NY	Gaiety and Romance	AtOP
NY	Sinclair Greater Minstrels	ECM
NY	A & P Gypsies	EandC
NY	Andre Kostelanetz, Orchestra	ECMP
NY	Gaiety and Romance	AtOP
NY	Jack Frost's Melody Moments	EandC
NY	Capt. Dobbsie, Ship of Joy	ECM
NY	The Big Show	ECMP
NY	Gaiety and Romance	AtOP
NY	Jack Frost's Melody Moments	EandC
NY	Capt. Dobbsie, Ship of Joy	ECM
NY	The Big Show	ECMP
NY	Gaiety and Romance	AtOP

NY	To Be Announced	EandC
NY	Contended Program	ECMP
NY	Wayne King's Orchestra	ECMP
NY	Herring Marimba Band	AandE
NY	To Be Announced	EandC
NY	Contended Program	ECMP
NY	Wayne King's Orchestra	ECMP
NY	Herring Marimba Band	AandE
NY	Henri Deering, Piano	EandC
NY	Kay-Seven	EandC
NY	Columbia News Service	ECM
NY	Moonlight on the River	AtOP
NY	Father Finn, Choral Music	EandC
NY	Kay-Seven	EandC
NY	Myrt and Marge	ECMP
NY	Moonlight on the River	AtOP

Chi	Amos 'n' Andy	ECMP
NY	John B. Kennedy	EandC
NY	Evan Evans, Baritone	ECM
NY	The Call of the North	ECMP
NY	Poet Prince	EandC
NY	Ted Weems Orchestra	ECMP
NY	Boswell Sisters	ECM
NY	The Call of the North	ECMP
NY	Phil Harris Orchestra	EandC
NY	Clyde Lucas Orchestra	EandC
NY	Abe Lyman Orchestra	ECMP
NY	The Call of the North	ECMP
NY	Phil Harris Orchestra	EandC
NY	Clyde Lucas Orchestra	EandC
NY	Abe Lyman Orchestra	ECM

EVENING PROGRAM

TUESDAY EVENING PROGRAMS

Origin	TITLE	Zones
NY	Stage Relief Broadcast	EandC
NY	Mme. Frances Alda	ECMP
NY	Buck Rogers in 25th Century	EandC
NY	To Be Announced	EandC
NY	Mme. Frances Alda	ECMP
NY	Al and Pete	ECM
NY	The Ivory Stamp Club	EandC
NY	Mid-Week Hymn Sing	ECMP
NY	Charles Carlie, Tenor	EandC
NY	Carefree Harmony	AandE
NY	Lowell Thomas; News	EandC
NY	Cheerio Musical Mosaics	EandC
NY	"Little Italy"	EandC
NY	Carefree Harmony	AandE

Chi	Amos 'n' Andy	EandC
NY	Piano Duo	EandC
NY	Myrt and Marge	EandC
NY	Rex Battle's Orchestra	AandE
NY	Radio in Education	ECMP
NY	Billy Batchelor	EandC
NY	The Canadians	EandC
NY	Rex Battle's Orchestra	AandE
NY	Radio in Education	ECMP
NY	Fox Fur Trappers Orchestra	EandC
NY	Oliver Naylor Orchestra	EandC
NY	In-University Debates	AandE
NY	Gus Van, Arlene Jackson	EandC
NY	The Goldbergs	EandC
NY	Boake Carter, News	EandC
NY	Inter-University Debates	AandE

NY	Ero Crime Clues	EandC
NY	Leo Reisman Orchestra	ECMP
NY	The Columbians	ECM
NY	Chas. Dornberger's Orchestra	AandE
NY	Ero Crime Clues	EandC
NY	Leo Reisman Orchestra	ECMP
NY	Edwin C. Hill, News	EandC
NY	Chas. Dornberger's Orchestra	AandE
NY	Horlick's Adventures in Health	EandC
NY	Lady Esther Serenade	EandC
NY	Voice of Experience	EandC
NY	Dance Moods	AandE
NY	Peasant Band	EandC
NY	Lady Esther Serenade	EandC
NY	Fray and Braggiotti	ECMP
NY	Dance Moods	AECM

NY	Musical Memories	EandC
NY	Ben Bernie's Orchestra	ECMP
NY	L. Stokowski, Philadelphia Orch.	ECMP
NY	Win. J. A. Jeffrey Band	AtOP
NY	Musical Memories	EandC
NY	Ben Bernie's Orchestra	ECMP
NY	The Town Crier	ECMP
NY	Win. J. A. Jeffrey Band	AtOP
NY	Eddie Duchin Orchestra	EandC
NY	Texaco Fire Chief Program	ECMP
NY	George Jessel	ECMP
NY	Gems from the Lyric Stage	AtOP
NY	Eddie Duchin Orchestra	EandC
NY	Texaco Fire Chief Program	ECMP
NY	George Jessel	ECMP
NY	Gems from the Lyric Stage	AtOP

NY	Sunshine Cruise	EandC
NY	Cruise of the Seth Parker	ECMP
NY	The Camel Caravan	ECMP
NY	Revons c'est l'heure	AandE
NY	Sunshine Cruise	EandC
NY	Cruise of the Seth Parker	ECMP
NY	The Camel Caravan	ECMP
NY	Revons c'est l'heure	AandE
NY	To Be Announced	EandC
NY	Madame Sylvia of Hollywood	ECMP
NY	Columbia News Service	ECM
NY	Maurice Meerte's Orchestra	AtOP
NY	To Be Announced	EandC
NY	Jerry Sears Orchestra	EandC
NY	Myrt and Marge	ECMP
NY	Maurice Meerte's Orchestra	AtOP

NY	Amos 'n' Andy	ECMP
NY	John B. Kennedy	EandC
NY	Harlem Serenade	ECM
NY	In-University Debates	ECMP
NY	The Poet Prince	EandC
NY	The King's Jesters	EandC
NY	Dell Campo, Songs	ECMP
NY	Inter-University Debates	ECMP
NY	Richard Himber Orchestra	EandC
NY	Paul Whiteman Orchestra	EandC
NY	Ozzie Nelson's Orchestra	ECMP
NY	Win. J. A. Jeffrey Band	AtOP
NY	Richard Himber Orchestra	EandC
NY	Paul Whiteman Orchestra	EandC
NY	Ozzie Nelson's Orchestra	ECMP

WEDNESDAY EVENING PROGRAMS

Origin	TITLE	Zones
NY	Westminster Choir	EandC
NY	Xavier Cugat's Orchestra	ECMP
NY	Buck Rogers in 25th Century	EandC
NY	Westminster Choir	EandC
NY	Xavier Cugat's Orchestra	ECMP
NY	Al and Pete	ECM
NY	Irene Beasley	EandC
NY	George R. Holmes, News	ECMP
NY	Enoch Light's Orchestra	EandC
NY	Children's Corner	AandE
NY	Lowell Thomas; News	EandC
NY	Cheerio Musical Mosaics	EandC
NY	Tito Guizar, Mexican Tenor	ECMP
NY	Children's Corner	AandE

Chi	Amos 'n' Andy	EandC
NY	Mary Small, Juvenile Songs	EandC
NY	Myrt and Marge	EandC
NY	Beautiful Lady	AandE
NY	Gems of Melody	EandC
NY	Billy Batchelor	EandC
NY	Vincent Travers' Orchestra	EandC
NY	Beautiful Lady	AandE
NY	Potash and Perlmutter	EandC
NY	The Mollie Show	EandC
NY	Broncho Busters	EandC
NY	Maritime Presentations	AandE
NY	Irene Rich in Hollywood	EandC
NY	The Goldbergs	EandC
NY	Boake Carter, News	EandC
NY	Maritime Presentations	AandE

NY	Ero Crime Clues	EandC
NY	The Royal Gelatine Review	EandC
NY	Happy Bakers	EandC
NY	The Serenaders	AECM
NY	Ero Crime Clues	EandC
NY	The Royal Gelatine Review	EandC
NY	Edwin C. Hill, News	EandC
NY	The Serenaders	AECM
NY	Dangerous Paradise	EandC
NY	Lady Esther Serenade	EandC
NY	Albert Spalding, Violin	ECMP
NY	Studio Presentation	AandE
NY	Red Davis, Dramatic Sketch	EandC
NY	Lady Esther Serenade	EandC
NY	Albert Spalding, Violin	ECMP
NY	Studio Presentation	AECM

NY	Warden Lawes, Dramatic Sketch	EandC
NY	The Ipana Troubadors	ECMP
NY	L. Stokowski, Philadelphia Orch.	ECMP
NY	Mont. Une heure pres de vous	AtOP
NY	Warden Lawes, Dramatic Sketch	EandC
NY	The Ipana Troubadors	ECMP
NY	Stoopnagle and Budd, Comedians	ECMP
NY	Mont. Une heure pres de vous	AtOP
NY	John McCormack, Tenor	ECMP
NY	Fred Allen's Revue	EandC
NY	Guy Lombardo's Orchestra	ECMP
NY	Mont. Une heure pres de vous	AtOP
NY	John McCormack, Tenor	ECMP
NY	Fred Allen's Revue	EandC
NY	Guy Lombardo's Orchestra	ECMP
NY	Mont. Une heure pres de vous	AtOP

NY	Vincent Lopez Orchestra	OPWE
NY	Rich. Corn Cob Pipe Club	ECMP
NY	Old Gold Program	ECMP
NY	Echoes from the Old World	AandE
NY	Vincent Lopez Orchestra	OPWE
NY	Rich. Corn Cob Pipe Club	ECMP
NY	Old Gold Program	ECMP
NY	Echoes from the Old World	AandE
NY	To Be Announced	EandC
NY	National Radio Forum	ECMP
NY	Columbia News Service	ECM
NY	Joe De Courcy's Orchestra	ECMP
NY	To Be Announced	EandC
NY	National Radio Forum	ECMP
NY	Myrt and Marge	ECMP
NY	Joe De Courcy's Orchestra	ECMP

NY	Amos 'n' Andy	ECMP
NY	Eddie Elkins' Orchestra	EandC
NY	Andre Kostelanetz, Orchestra	ECM
NY	Old Time Orchestra	ECMP
NY	Robert Royce, Tenor	EandC
NY	The Poet Prince	EandC
NY	Five Spirits of Rhythm	ECM
NY	Old Time Orchestra	ECMP
NY	Joie Stein Orchestra	EandC
NY	Jack Denny Orchestra	EandC
NY	Little Jack Little	EandC
NY	Old Time Orchestra	ECMP
NY	Buddy Rogers Orchestra	EandC
NY	Jack Denny Orchestra	EandC
NY	Little Jack Little and Orch.	ECM

SIX HOURS OF NETWORK RELEASES IN ALL ZONES

THURSDAY EVENING PROGRAMS

Origin	TITLE	Zones
.....	Richard Himber Orchestra	EandC
NY	Xavier Cugat's Orchestra	EandC
.....	Buck Rogers in 25th Century	Eonly
.....		
.....	Richard Himber Orchestra	EandC
NY	Xavier Cugat's Orchestra	ECMP
Chi.	Al and Pete	ECM
.....		
.....	The Ivory Stamp Club	Eonly
.....	John B. Kennedy	EandC
.....	Arthur Herbert, Songs	EandC
Mont.	Canadian Capers	AandE
.....		
.....	Lowell Thomas; News	EandC
.....	Grandmo.her's Trunk	ECMP
.....	"Little Italy"	Eonly
Mont.	Canadian Capers	AandE

(New York Correspondence)

BETTY Barthell is back on the job in the CBS studios, following a vacation spent at the old home



in Nashville, Tenn. Her schedule has recently been extended and the singer with the Southland accent, is now heard on Monday, Wednesday and Friday afternoons.

(New York Correspondence)

ONE of the world's most famous pianists, Jose Itubí, was guest artist recently during the Cadillac



series of concerts. Itubí, who has been heard in concerts in all of the leading cities of the world, is an accomplished conductor as well as pianist often assuming both roles.

(Chicago Correspondence)

ONE of the recent occasional visitors to the microphone was Lyda Roberti, one of moviedom's deco-



rative lady comics. Her delightful accented English was heard in several—two or three—current melodies at the time of her recent appearance before the microphone.

(New York Correspondence)

NATHANIEL Shilkret was quite famous as a recording artist, before his debut in radio. He appears



with his orchestra in the Hinds' Hall of Fame series each Sunday, his music forming the background for the parade of stars that is a regular feature on the popular program.

(New York Correspondence)

NIKOLAI Sokoloff, former director of Cleveland's Symphony orchestra, is another noted con-



ductor to be heard over the Cadillac series. Among other highlights of his career, Sokoloff conducted the Cleveland Symphony Orchestra from its inception until last year.

(Chicago Correspondence)

THIS city has made a noteworthy contribution to the music of the networks in David Lazarus,



brilliant young baritone of the Cincinnati Conservatory of Music. Lazarus has taken leading roles in the Zoo Opera in Cincinnati and has appeared with the Arceo Band.

(Chicago Correspondence)

PAT Kennedy never studied voice culture and cannot read music, but once he hears a song that



he likes he can sing it. A product of the Big City, his greatest appeal, paradoxically, is of the small communities, where his melodious tenor reaches into countless homes.

(New York Correspondence)

FRED Allen, he of the drawling comedy, with his wife, Portland Hoffa and Ferde Grofe's orches-



tra are again on the NBC chain. Fred, in explaining why he talks through his nose in the manner so familiar to listeners, vows it is better than talking through his hat.

(New York Correspondence)

XAVIER Cugat and Tullio Serafin, it is recalled here, were fellow members of the Havana Opera Orchestra in this city a number of years ago. Serafin is now at the Metropolitan, while Cugat, pictured here, now heads his own musical organization. Serafin was the director of the organization and Cugat, at the age of ten, was a first violinist. It is recalled that then, as now, he possessed remarkable talents as an artist, attested by his marvelous creation of the curtain for the Chinese theatre in Los Angeles. His orchestra is the only entirely Spanish orchestra now playing in the United States.

PICTURES IN THE THE

(New York Correspondence)

MARY Howard, versatile young actress who is heard over NBC in Red Davis sketches, plays many different roles with such success that when a new female character is written into the script the production man automatically sends for Mary. Therefore the young lady never tells her friends to listen for any particular character—for she never knows what character she is going to play. She has played several roles from time to time in the Red Davis series, and always succeeds in making them sound different enough so that when a new female character is written into the script, Mary is called in.



NEWS PICTURES

(New York Correspondence)

WORLD renowned as a pianist, and an influential figure in American music, Josef Hofmann made an



appearance as another guest soloist in the Cadillac Concert series. Hofmann was playing in public at the age of six and toured Europe, from London and Paris, to Vienna,

(New York Correspondence)

RAMONA, blues singer de luxe with Paul Whiteman's orchestra, is also a gifted piano player. She



was discovered singing and playing over a local station in the West by the celebrated leader during one of his tours, and later engaged to appear with his famous orchestra.

(New York Correspondence)

EUGENE Ormandy, conductor of the Minneapolis Symphony Orchestra, makes frequent appear-



ances over NBC. Ormandy came from his native Hungary at an early age to become one of the most successful of the younger conductors engaged in this country.

(New York Correspondence)

SHIRLEY Howard, a few months ago, was a radio reporter on a Philadelphia newspaper. Rudy



Vallee happened to hear her sing at a social affair and a few weeks later arranged for her debut over NBC. Prompt response from listeners kept her at the microphone.

(New York Correspondence)

RIPLEY and Rolfe have pooled their talents in a single show, a Saturday Night Dancing Party, over



NBC. Ripley dramatizes outstanding "Believe-It-or-Not's" and discusses other queer truth. His success as guest artist on the same program won him a regular berth.

(New York Correspondence)

YEHUDI Menukin, who made his first appearance on the radio during the Cadillac Concert recently,



has appeared in concerts in the United States and Europe since his debut twelve years ago at the age of five, but he has never played before the microphone before.

(New York Correspondence)

HIND'S Hall of Fame is being broadcast over an NBC network and installed as master of ceremonies,



is John Erskine, noted musician and man of letters. Erskine brings to the microphone not only a sweeping knowledge of music, but an unusual sense of comedy, as well.

(Chicago Correspondence)

THE pleasing voice of Babs Ryan is again heard, the occasion being the new CBS Ford broad-



cast of Fred Waring's Pennsylvanians. She is the diminutive young songstress who you will remember as the feature of the Waring popular presentations during the year.



(Scene from One Man's Family, Barton Yarborough as Clifford, Bernice Berwin as Hazel, Michael Raffetto as Paul.)



(Above: Wheeler and Woolsey in Characteristic Pose. Below: Edgar Guest Reciting His Verse Before the Microphone.)



S-0000, they've got Ed Wynn's number over in New Jersey, where the Fire Chief keeps an automobile for his frequent trips down to Atlantic City to visit his mother. Harold Hoffman, Commissioner of Motor Vehicles for New Jersey, is a follower of the Texaco Fire Chief's broadcasts over NBC, and when the comedian applied for his license this year Hoffman was ready for him. S-0000 read the new registration plates that were handed to Wynn and S-0000, right up Fifth Avenue went Wynn, "S-0000" and all, with a big crowd of amused spectators in his wake. Finally Wynn became suspicious, climbed to the back of his car, as in the picture, and noticed the plate that was causing all the commotion. So-o-OO-oo wherever the Fire Chief and his automobile goes this year he will be preceded and followed by his famous tag line. Rumor, incidentally, has it that the real reason Wynn keeps the car in New Jersey is because he is afraid to take it to New York, where Graham McNamee lives. He doesn't want Graham to find out that he has given up his horse. Wynn is actually sensitive about that horse, and he has told Graham so much about it, that—well he just doesn't want his teammate to see him riding around in his car.



In the Picture Above (left to right) is Jascha Heifetz, Famous Violinist, Bruno Walter, Noted Conductor and Lawrence P. Fisher, the Man Responsible for the Cadillac Hour of Classical Music.

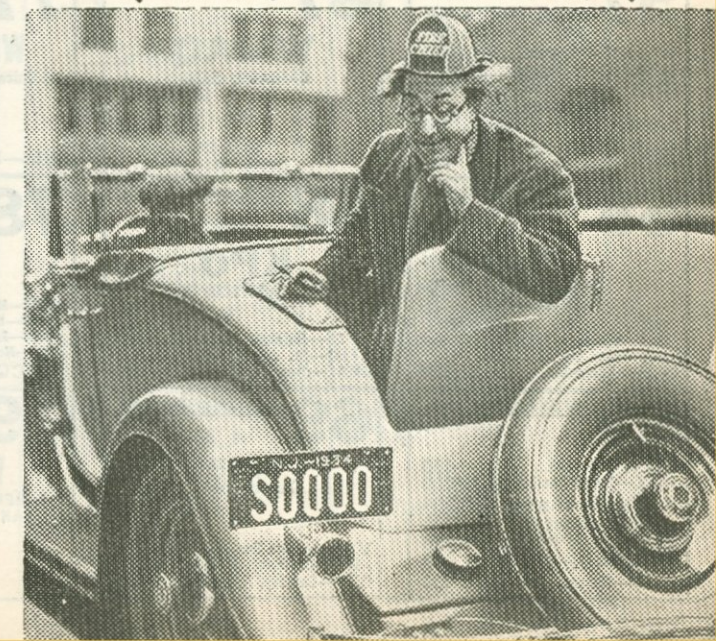
Here Are Two Popular NBC Radio Teams. Clara, Lu 'n' Em (Louise Starkey, Isobel Carothers and Helen King) of the Chicago Studios, Have Been on the Air So Long They May Be Considered an Institution. Below Are the Harmony Girls from Georgia, the Pickens Sisters (top to bottom) Helen, Jane and Patti. Romance, However, Has Entered Here. A Few Days Ago, Salvatore Curioni Arrived in New York from Hollywood at 8:00 A. M., at 11:00 He Was Married to Helen and the Latter Hurried Away to Keep a Rigorous Radio and Vaudeville Schedule a Few Minutes Later.



(Hugo Martini (right) Greets His Friend, Carlos Gardel, South American Singer, on His Arrival in New York)



(Above: The Old Salts That Spun Yarns for Seth Parker. Below: Ed Wynn's S0-0-0-0 is Licensed in New Jersey.)



CARLTON E. MORSE, of the San Francisco NBC studios, enjoys considerable fame as a writer and producer of radio plays, yet when he conceived the idea of writing a story dealing with the home life of the average American family, his bosses at NBC were thumbs down. Morse, however, didn't believe in letting a good thing drop. Finally, he was grudgingly told that the idea might be good enough for a trial, and thus was "One Man's Family" born. No enthusiasm accompanied the permission, but today, after a two year's run, practically the whole Pacific Coast tunes in to hear the latest doings of Henry and Fanny Barber, Paul, Hazel, Claudia, Clifford and Jack. Pacific Coast fans get their Barbers on Fridays, catching Jack, for instance, when he is about done with high school and ready for college. Jack is considerably younger, however, in the early chapters that are heard on the Eastern broadcasts Saturday nights. If you are one of those who like to read the last chapter first, tune in the Pacific Coast on Friday nights. The series is a sincere and thoughtful study of the psychology of family life expressed in dramatic and romantic episodes and the press agent is authority for the assertion that: the members of the cast have been working together for such a long time that they have developed the same loyalty and community feeling toward each other in real life that they portray so convincingly and entertainingly in their series of radio productions.

140 U. S. Regional Chan
KLO
Ogden, Utah, 500
W'BBC-WLTH-WYFV-WARD
Brooklyn, 500
WKBF-WBAA-WCMA
Indianapolis, West Lafayette and
Culver, 500
KTUL—Tulsa, Oklahoma 250

141

WHBL-KFLY
Sheboygan, Wis.—F—13

WQDX-WSF
Mooile—500—Montgomery, Ill.

WHIS-WBXX
Blufffield, W. Va.—250—Roanoke

WAAB—Boston..... 1000

KGRS—(Amarillo, 1000).....WDAG

WBCM—Bay City, Mich...... 500

CKM0—(Vancouver, 100).....CKFC

CMCH—(Havana, 20).....CMCM

124 WEHS-WKBI-WHFC
Chicago, 100
KXL (Portland, 100) -KBPS
WAZL-WILM
Hazleton, Pa. (100) -Wilmington
KGIV-KIDW
Alamosa (100) -Lamar, Colo.
KABC-San Antonio, Tex. 100
KGGG-San Francisco 100
WENC-Americus, Ga. 100
WJBC-Raton, Okla. 100

143 U. S. Regional Chan
KECA
Los Angeles, 1000
WHP-WBAK-WCAH
Harrisb'g, Harrisb'g, Col'mb's, 500
WFEA-WHEC-WOKO
Manch'ter, Roch'ter and Alb'ny, 500
KGNF-North Platte, Nebr... 500
WNBR-Memphis 500

144	KDFN	Casper, Wyo., 500
WBIG—Greensboro, N. C.....	500	
WMBD—Peoria, Ill.....	500	
WCBA..(Allentown, 250).. WSAN		
KLS—Oakland, Calif.....	250	
KXYZ—Houston, Texas.....	250	
TIFS—Cartago, Costa Rica.....		

145	U. S. Regional Chan
	KTBS
	Shreveport, 1000
	WBMS-WHOM
Hackensack..(250)	Jersey City
CMBL—Havana.....	200
	TWSP—San Jose, Mass.....
	CFMT—Victoria.....
	VTEB—Panama, Costa Rica
	NESB—Newly Laredo, Mex.
WGAR—Cleveland, Ohio.....	5*
WTFI—Athens, Georgia.....	94
GKX—Brandon, Man.....	\$98

146 U. S. Regional Chan

WJSV-KSTP
Washington..(10,000)..St. Paul

147 U. S. Regional Chan

147

KGA
Spokane, Wash., 5000

WLAC
Nashville, Tenn., 5000

148 U. S. Regional Cham

140 WKBW
Buffalo, 5000
KOMA
Oklahoma City, 5000
CMBK—Havana, Cuba..... 1
149 U. S. Regional Chan

WCKY
Covington, Ky., 5000

Ontario (22)

W. Virginia (4) Nashville, WSM 65 WLAC 147 Springfield, WSIX 121 Utah (3) Ogden, KLO 140 Salt Lake City, KSL 131 KDYL 129 Vermont (5) Burlington, WCAX 120 Rutland, WSYB 150 Springfield, WNBX 126 St. Albans, WQDM 137 Waterbury, WDEV 55 Virginia (11) Charlottesville, WEHC 135 Danville, WBTV 137 Lynchburg, WLVA 137 Newport News, WHG 131 Norfolk, WTAR 78 Petersburg, WPHR 120 Richmond, WRVA 111 WBBL 121 WMBG 121 Roanoke, WDBJ 93 WRBX 141 Washington (22) Aberdeen, KXRO 131 Bellingham, KVO5 120 Everett, KFBL 137 Olympia, KGY 121 Pullman, KWSC 122 Seattle, KPCB 65 KXA 96 KOMO 92 KJR 98 KRSC 112 KTW 122 KOL 127 KVL 137 Spokane, KHQ 59 KFIO 112 KFPY 134 KGA 147 Tacoma, KVI 57 KMO 133 Walla Walla, KUJ 137 Wenatchee, KPQ 150 Yakima, KIT 151 W. Virginia (4) Bluefield, WHIS 141 Charleston, WOBU 58 Fairmont, WMMN 89 Huntington, WSAZ 119 Wheeling, WVVA 116 Wisconsin (16) Eau Claire, WTAQ 133 Fond du Lac, KFIZ 142 Green Bay, WBXY 120 Green Bay, WCLO 120 La Crosse, WKBB 138 Madison, WHA 94 WIBA 128 Manitowoc, WOMT 121 Milwaukee, WTMJ 62 WHAD 112 WISN 112 Poyntette, WIBU 121 Racine, WRJN 137 Sheboygan, WHBL 141 Stevens Pt., WLBL 90 Superior, WEEB 129 Wyoming (1) Casper, KDFN 144 Costa Rica (15) Cartago, TIGA 101 TIFS 144 Heredia, T14NRH 95 San Jose, TISO 60 TIXA 61 TIFB 71 TIGP 80 TIEA 83 TIVL 86 TIC 88 TICR 91 TITV 100 TIRC 118 TITR 133 TIEP 145 Newfoundland (6) St. Johns, VOAC 80 VOAS 81 VOWR 90 VOGY 95 VOKW 109 VONF 120 Salvador (1) Salvador, RUS 66 Guatemala (1) Guatemala, TGW 132 Haiti (1) Port au Prince, HHK 92 Honduras (2) San Pedro Sulo, JRL 135 Tegucigalpa, HRR 137 Domin'cn Rep (5) Santo Domingo, HIX 60 HIL 88 HIT 105 HIJ 119 HI7 130	Alberta (7) Calgary, CJCJ 69 CFAC 93 CFGN 103 Edmonton, CKUA 58 CJCA 73 CFTF 112 Lethbridge, CJOC 84 B. Columbia (11) Chilliwack, CHWK 78 Kamloops, CFJC 131 Kelowna, CKOV 121 Trail, CJAT 120 Vancouver, CJOR 60 CKCD 101 CKWX 101 CRCV 110 CKFC 141 CKMO 141 Victoria, CFCT 145 Manitoba (4) Brandon, CKX 145 Middlechurch, CJRC 139 Winnipeg, CJRW 54 CKY 91 N. Brunswick (4) Fredericton, CFNB 103 Moncton, CRCA 58 St. John, CFBO 121 CHPR 137 Nova Scotia (5) Glouce Bay, VAS 69 Halifax, CHNS 105 Sydney, CJC8 88 Wolfville, CKIC 101 Yarmouth, CJLS 131 P. E. Island (3) Charlottetown, CFCY 63 CHCK 131 Summerside, CHGS 112 Ontario (22) Brantford, CKPC 93 Chatham, CFGO 93 Cobalt, CKMC 73 Ft. William, CKPR 73 Hamilton, CHML 112 CKOC 84 Kingston, CFRC 78 Kirkland Lake, CJKL 78 Kitchener, CKCR 131 London, CFPL 131 North Bay, CFCH 120 Ottawa, CRCO 120 CKCO 60 Prescott, CFCL 101 St. Catharines, CKTB 101 Sudbury, CJCS 110 Timmins, CKGB 110 Toronto, CKCL 91 CFRB 91 CRCT 91 CKNC 91 Windsor, CKLW 91 Quebec (9) Chicoutimi, CRCS 112 Hull, CKCH 112 Montreal, CFCF 112 CKAC 112 CRCM 112 CHLP 112 New Carlisle, CHNC 112 Quebec, CHRC 112 CKCV 112 Sask. (7) Moose Jaw, CJRM 112 CHAB 112 Prince Albert, CKBI 112 Regina, CHWC 112 CKCK 112 Saskatoon, CFQC 112 Yorkton, CJGK 112
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Call	Location	Owner	Watts	Channel
CFAC	Calgary, Alta.	The Calgary Herald	(100)	93
CFBO	St. John, N. B.	C. A. Munro, Ltd.	(100)	121
CFCH	Montreal, Que.	Canadian Marconi Co.	(500)	60
CFCH	North Bay, Ont.	Northern Supplies, Ltd.	(100)	93
CFCH	Calgary, Alta.	W. W. Grant and H. G. Love	(10,000)	103
CFCH	Chatham, Ont.	John Beardsall	(50)	60
CFCT	Victoria, B. C.	Victoria Broadcasting Assn.	(50)	145
CFCT	Charlottetown, P.E.I.	Island Radio Broadcasting Co.	(500)	63
CFJC	Kamloops, B. C.	Review Publishing Co., Ltd.	(100)	131
CFJC	Prescott, Ont.	Radio Association of Prescott	(100)	93
CFNB	Fredericton, N. B.	James S. Neill & Sons, Ltd.	(500)	103
CFPL	London, Ont.	London Free Press & Ptg. Co.	(100)	73
CFQC	Saskatoon, Sask.	The Electric Shop, Ltd.	(500)	123
CFRB	Toronto, Ont.	Rogers Radio Corp., Ltd.	(10,000)	69
CFRC	Kingston, Ont.	Queen's University	(100)	151
CFTP	Edmonton, Alta.	Taylor & Pearson, Ltd.	(100)	112
CHAB	Moose Jaw, Sask.	Moose Jaw Radio Association	(100)	120
CHCK	Charlottetown, P. E. I.	W. E. Burke & J. A. Gesner	(50)	131
CHGS	Summerside, P. E. I.	R. T. Holman, Ltd.	(50)	112
CHLP	Montreal, Que.	La Patrie Pub. Co., Ltd.	(100)	112
CHML	Hamilton, Ont.	Maple Leaf Radio Co., Ltd.	(50)	101
CHNC	New Carlisle, Que.	Dr. Charles Houde	(100)	121
CHNS	Halifax, N. S.	Maritime Broadcast. Co., Ltd.	(500)	105
CHPR	St. John, N. B.	H. P. Robinson	(100)	137
CHRC	Quebec, Que.	CHRC, Limited	(100)	93
CHWC	Regina, Sask.	R. H. Williams & Sons, Ltd.	(500)	101
CHWK	Chilliwack, B. C.	Chilliwack Broadcasting Co., Ltd.	(100)	78
CJAT	Trail, B. C.	Trail Amateur Radio Ass'n	(50)	120
CJCA	Edmonton, Alta.	The Edmonton Journal, Ltd.	(100)	73
CJCB	Sydney, N. S.	N. Nathanson	(50)	88
CJCJ	Calgary, Alta.	The Alberta Pub. Co., Ltd.	(500)	69
CJCS	Sherbrooke, Ont.	Geo. McLeod Cootes	(500)	78
CJGX	Yorkton, Sask.	The Winnipeg Grain Exchange	(500)	63
CJKL	Kirkland Lake, Ont.	O. J. Thorpe & Branchaud	(100)	131
CJLS	Yarmouth, N. S.	Laurie & Smith	(100)	131
CJOC	Lethbridge, Alta.	Harold R. Carson	(100)	84
CJOR	Vancouver, B. C.	G. C. Chandler	(500)	60
CJRC	Middlechurch, Man.	James Richardson & Sons	(100)	139
CJRM	Moose Jaw, Sask.	Jas. Richardson & Sons, Ltd.	(1,000)	54
CJRW	Winnipeg, Man.	Jas. Richardson & Sons, Ltd.	(500)	54
CKAC	Montreal, Que.	La Presse Pub. Co., Ltd.	(500)	73
CKBI	Prince Albert, Sask.	Prince Albert Radio Club	(100)	121
CKCD	Vancouver, B. C.	Vancouver Daily Province	(100)	101
CKCH	Hull, Quebec	Dr. J. L. Chabot	(100)	121
CKCK	Regina, Sask.	Reader-Post, Limited	(500)	101
CKCL	Toronto, Ont.	The Dominion Battery Co.	(500)	58
CKCO	Ottawa, Ont.	Dr. G. M. Geldert	(100)	101
CKCR	Kitchener, Ont.	W. G. Mitchell and G. Liddle	(100)	151
CKCV	Quebec, Que.	Vandry, Inc.	(50)	131
CKFC	Vancouver, B. C.	United Church of Canada	(50)	141
CKGB	Timmons, Ont.	R. H. Thompson	(100)	142
CKIC	Wolfville, N. S.	Acadia University	(50)	101
CKLW	Windsor, Ont.	Western Ontario Bcast. Co. Ltd.	(500)	84

Call	Location	Owner	Watts	Channel
CKMC	Cobalt, Ont.	R. L. MacAdam	(50)	121
CKMO	Vancouver, B. C.	Sprott-Shaw Radio Co.	(100)	141
CKNC	Toronto, Ont.	Canadian Natl. Carbon Co., Ltd.	(100)	103
CKOC	Hamilton, Ont.	Westworth Broadcast. Co., Ltd.	(500)	112
CKOV	Kelowna, B. C.	J. W. B. Browne	(50)	121
CKPC	Brantford, Ont.	Cyrus Dolph	(100)	93
CKPR	Fort William, Ont.	Dougall Motor Car Co., Ltd.	(50)	78
CKTB	St. Catharines, Ont.	E. T. Sandell	(100)	120
CKUA	Edmonton, Alta.	University of Alberta	(500)	58
CKWX	Vancouver, B. C.	Western Broadcasting Company	(100)	101
CKX	Brandon, Man.	Manitoba Telephone System	(500)	145
CKY	Winnipeg, Man.	Manitoba Telephone System	(500)	91
CMAB	Pinar del Rio	Jose Silvera	(20)	125
CMAF	Havana	Int. Broadcasting Co.	(1000)	68
CMBC	Havana	Domingo Fernandez Cruz	(150)	127
CMBD	Havana	Luis Perez Garcia	(250)	97
CMBG	Havana	John L. Stowers	(225)	105
CMBJ	Havana	Emilio Perera	(150)	114
CMBK	Havana	Alberto Alvarez	(15)	148
CMBL	Havana	Julio C. Hidalgo	(200)	145
CMBN	Havana	G. de Sequiera	(150)	119
CMBS	Havana	Enrique Artalejo	(200)	77
CMBW	Havana	Alvarez-Moris	(600)	114
CMBY	Havana	Callejas-Estefani	(250)	123
CMCZ	Havana	Manuel y Guillermo Salas	(150)	101
CMC	Havana	Radio Corp. of Cuba	(500)	84
CMCA	Havana	Manuel Cruz	(150)	123
CMCB	Havana	Antonio Capablanca	(150)	105
CMCD	Havana	Angel Bertematy	(250)	92
CMCF	Havana	Raoul Karman	(250)	87
CMCH	Havana	Wilfredo Fontanals	(20)	141
CMCJ	Havana	Rafael Rodriguez	(400)	118
CMCM	Havana	Aurelio Balino	(15)	141
CMCN	Havana	Antonio Ginard	(250)	138
CMCP	Havana	Jose A. Yaniz	(150)	127
CMCQ	Havana	Andrez Martinez	(1000)	78
CMCR	Havana	Aurelio Hernandez	(150)	138
CMCU	Havana	Jorge Garcia Serra	(500)	110
CMCW	Havana	Vilarino y Cervantes	(150)	97
CMCY	Havana	M. D. Autran	(500)	97
CMDD	Havana	G. de Sequiera	(150)	59
CMDE	Havana	Radio Aerial, Ad.	(150)	93
CMGA	Colon	Leopoldo V. Figueroa	(100)	83
CMGB	Matanzas	Jose Anorga	(30)	121
CMGC	Matanzas	Oscar S. Mechoso	(30)	82
CMGE	Cardenas	Genaro Sabater	(30)	138
CMGF	Matanzas	Berabre R. de la Torre	(100)	97
CMGH	Matanzas	Octavio J. Alvarez	(15)	104
CMHD	Calbarian	Manuel Alvarez	(500)	95
CMHI	Santa Clara	Laviz y Paz	(250)	104
CMHJ	Cienfuegos	Victorino Lopez	(60)	113
CMHK	Cruces	Virgilio Villanueva Fernandez	(50)	123
CMHL	Cienfuegos	Oscar Zayas	(20)	129

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Complete
for
North
America

Alpha Call

Call	Location	Owner	Watts	Channel
CMHW	Cienfuegos	San Carlos No. 106	(100)	120
CMJC	Camaguey	Felix Sanchez	(150)	138
CMJE	Camaguey	Manuel Fernandez	(50)	117
CMJF	Camaguey	John L. Stowers	(200)	91
CMJG	Camaguey	Jose Antonio Lefran	(50)	105
CMJH	Ciego de Avila	Luis Marauri Mendoza	(50)	115
CMJI	Ciego de Avila	Gilberto Gesso Lopez	(45)	134
CMJL	Camaguey	Enrique Artimes	(50)	96
CMJM	Camaguey	Ernesto de Ugarriza	(50)	124
CMJO	Ciego de Avila	Jose M. Rey	(15)	101
CMJP	Moron, Cuba	Oscar Canals	(75)	136
CMK	Havana	Nat. Broadcasting Co. of Cuba	(5,000)	73
CMKC	Santiago de Cuba	Pinol, Battic y Compania	(150)	103
CMKJ	Guantanamo	Luis Morlete	(20)	130
CMQ	Havana	Miguel Gabriel	(500)	63
CMW	Havana	Troncoso-Gil	(1400)	60
CMX	Havana	Casa "Lavin"	(1000)	88
CMCA	Moncton, N. B.	Canadian Radio B'd'casting Com.	(500)	58
CMCB	Montreal, Que.	Canadian Radio Broadcastg. Com.	(5000)	91
CMCD	Ottawa, Ont.	Canadian Radio B'd'casting Com.	(1000)	88
CMCE	Chicoutimi, Que.	Canadian Radio B'd'casting Com.	(100)	150
CMCF	Toronto, Ont.	Canadian Radio B'd'casting Com.	(5000)	96
CMCG	Vancouver, B. C.	Canadian Radio B'd'casting Com.	(1000)	110
HHK	Port au Prince	Garde d'Haïti	(1000)	92
HIJ	Santo Domingo, D. R.	F. A. Baez	(15)	119
HIL	Santo Domingo, D. R.	J. C. Teixido	(25)	88
HIT	Santo Domingo, D. R.	F. A. Sanabia	(10)	105
HIX	Santo Domingo	Government	(1000)	60
HIZ	Santo Domingo, D. R.	Frank Hutton	(10)	130
HRB	Tegucigalpa	Tropical Radio Telegraph Co.	(2300)	137
JRL	San Pedro Sula	Jose Lopez	(8)	135
KABC	San Antonio, Texas	Alamo Broadcasting Co., Inc.	(100)	142
KALE	Portland, Ore.	KALE, Inc.	(500)	130
KARK	Little Rock, Ark.	Arkansas Radio & Equip. Co.	(250)	89
KASA	Elk City, Okla.	E. M. Woody	(100)	121
KBPS	Portland, Ore.	Benson Polytechnic School	(100)	142
KBTM	Jonesboro, Ark.	W. J. Beard's Temple of Music	(100)	120
KCMC	Texarkana, Ark.	No. Mississippi Broadc. Corp.	(100)	142
KCRK	Enid, Okla.	Enid Radiophone Co.	(100)	137
KCRJ	Jerome, Ariz.	Charles C. Robinson	(100)	131
KDB	Santa Barbara, Cal.	Santa Barbara Broadcasting, Ltd.	(100)	150
KDFN	Casper, Wyo.	Donald Lewis Hathaway	(500)	144
KDKA	Pittsburgh, Pa.	Westinghouse Elec. & Mfg. Co.	(50,000)	98
KDLR	Devils Lake, N. D.	KDLR, Inc.	(100)	121

Call	Location	Owner	Watts	Channel
KDYL	Salt Lake, Utah	Intermountain Broadc. Corp.	(1000)	129
KECA	Los Angeles, Cal.	Eari C. Anthony, Inc.	(1000)	143
KELW	Burbank, Cal.	Honolulu Radio Corp.	(500)	78
KERN	Bakersfield, Cal.	The Bee Bakersfield Broadc. Co.	(100)	120
KEX	Portland, Ore.	The Oregonian Publishing Co.	(5000)	118
KFAB	Lincoln, Neb.	KFAB Broadcasting Co.	(25,000)	77
KFAC	Los Angeles, Cal.	Los Angeles Broadcasting Co.	(1000)	130
KFB	Great Falls, Mont.	Buttry Broadcast, Inc.	(1000)	128
KFBI	Abilene, Kans.	Farmers & Bankers Life Ins. Co.	(5000)	105
KFBK	Sacramento, Cal.	James McClatchy Co.	(100)	131
KFBL	Everett, Wash.	Leese Bros.	(50)	137
KFDM	Beaumont, Texas	Sabine Broadcasting Co., Inc.	(500)	56
KFDY	Brookings, S. D.	South Dakota State College	(1000)	55
KFEL	Denver, Colo.	Eugene P. O'Fallon, Inc.	(500)	92
KFEQ	St. Joseph, Mo.	Scroggin & Co. Bank	(2500)	68
KFGQ	Boone, Iowa	Boone Biblical College	(100)	131
KFH	Wichita, Kan.	Radio Station KFH Co.	(1000)	130
KFI	Los Angeles, Cal.	Eari C. Anthony, Inc.	(50,000)	64
KFIO	Spokane, Wash.	Spokane Broadcasting Corp.	(100)	112
KFIZ	Fond du Lac, Wis.	The Reporter Printing Co.	(100)	142
KFJB	Marshalltown, Iowa	Marshall Electric Co., Inc.	(100)	120
KFJI	Klamath Falls, Ore.	KFJI Broadcasters, Inc.	(100)	121
KFJM	Grand Forks, N. D.	University of North Dakota	(100)	137
KFJR	Portland, Ore.	Ashley C. Dixon-KFJR, Inc.	(500)	130
KFJZ	Fort Worth, Tex.	Fort Worth Br'dcast'g Co., Inc.	(100)	137
KFKA	Greeley, Colo.	Mid-Western Radio Corporation	(500)	88
KFKU	Lawrence, Kan.	University of Kansas	(500)	122
KFLV	Rockford, Ill.	Rockford Broadcasters	(500)	141
KFNH	Shenandoah, Iowa	Henry Field Co.	(500)	89
KFOR	Lincoln, Neb.	Cornell Broadcasting Corp.	(100)	121
KFOX	Long Beach, Cal.	Nichols & Warriner, Inc.	(1000)	125
KFPL	Dublin, Tex.	C. C. Baxter	(100)	131
KFPM	Greenville, Tex.	The New Furniture Co.	(15)	131
KFPW	Fort Smith, Ark.	Southwestern Hotel Co.	(100)	121
KFPY	Spokane, Wash.	Symons Broadcasting Co.	(1000)	134
KFQD	Anchorage, Alaska	Anchorage Radio Club, Inc.	(250)	60
KFRC	San Francisco, Cal.	Don Lee Broadcasting System	(1000)	61
KFRU	Columbia, Mo.	KFRU, Incorporated	(500)	63
KFSO	San Diego, Cal.	Airtan Radio Corp., Ltd.	(1000)	60
KFSG	Los Angeles, Cal.	Echo Park Evang. Assn.	(500)	112
KFUO	St. Louis, Mo.	Concordia Seminary	(500)	55
KFV	Los Angeles, Cal.	Los Angeles Broadcasting Co.	(250)	100
KFVS	Cape Girardeau, Mo.	Hirsch Battery & Radio Co.	(100)	121
KFWB	Hollywood, Cal.	Warner Bros. Broadcasting Corp.	(1000)	95

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Every
Station
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Call	Location	Owner	Watts	Channel
KFWI	San Francisco, Cal.	Radio Enterprises, Inc.	(500)	93
KFXD	Nampa, Idaho	Frank E. Hurt	(100)	120
KFXF	Denver, Colo.	Colorado Radio Corporation	(500)	92
KFXJ	Grand Junction, Col.	Great Plains Broadcasting Co.	(100)	120
KFXM	S. Bernardino, Cal.	J. C. and E. W. Lee	(100)	121
KFXR	Oklahoma City	Exchange Avenue Baptist Church	(100)	131
KFYD	Lubbock, Tex.	Kirksey Bros.	(100)	131
KFYR	Bismarck, N. D.	Meyer Broadcasting Co.	(1000)	55
KGA	Spokane, Wash.	Louis Wasmer (Lessee)	(5000)	147
KGAR	Tucson, Ariz.	Tucson Motor Service Co.	(100)	137
KGB	San Diego, Cal.	Don Lee Broadcasting System	(1000)	133
KGBX	Springfield, Mo.	KGBX, Inc.	(100)	131
KGBZ	York, Neb.	KGBZ Broadcasting Co.	(500)	93
KGBU	Ketchikan, Alaska	Alaska Radio & Service Co., Inc.	(500)	90
KGCA	Decorah, Iowa	Chas. W. Greenley	(100)	127
KGCR	Watertown, S. D.	Greater Kampeska Radio Corp.	(100)	121
KGCU	Mandan, N. D.	Mandan Radio Assn.	(250)	124
KGCX	Wolf Point, Mont.	E. E. Krebsbach	(100)	131
KGDA	Mitchell, S. D.	Mitchell Broadcasting Corp.	(100)	137
KGDE	Fergus Falls, Minn.	Charles L. Jaren	(100)	120
KGDM	Stockton, Cal.	E. F. Pfeffer	(250)	110
KGDY	Huron, S. D.	Voice of So. Dakota	(250)	134
KGEK	Yuma, Colo.	Elmer G. Beehler	(100)	120
KGER	Long Beach, Cal.	Cons. Broadcasting Corp., Ltd.	(1000)	136
KGEZ	Kalispell, Mont.	Donald C. Treloar	(100)	131
KGFF	Shawnee, Okla.	KGFF Broadcasting Co.	(100)	142
KGFG	Oklahoma City	Oklahoma Broadcasting Co., Inc.	(100)	137
KGFI	Corpus Christi, Tex.	Eagle Broadcasting Co., Inc.	(100)	150
KGFJ	Los Angeles, Cal.	Ben S. McGlashan	(100)	120
KGFK	Moorhead, Minn.	Red River Broadcasting Co., Inc.	(100)	150
KGFL	Roswell, N. M.	KGFL, Inc.	(100)	137
KGFW	Kearney, Neb.	Central Nebraska Brdcastg Co.	(100)	131
KGFX	Pierre, S. D.	Dana McNeil	(200)	63
KGGC	San Francisco, Cal.	Golden Gate Broadcasting Co.	(100)	142
KGGF	Coffeyville, Kansas	Powell & Platz	(500)	101
KGGM	Albuquerque, N. M.	New Mexico Broadcasting Co.	(250)	123
KGHF	Pueblo, Colo.	Curtis P. Ritchie	(250)	132
KGHI	Little Rock, Ark.	Lloyd Judd Company	(100)	120
KGHL	Billings, Mont.	Northwestern Auto Sup. Co., Inc.	(1000)	95
KGIR	Butte, Mont.	KGIR, Inc.	(500)	136
KGIW	Alamosa, Colo.	Leonard E. Wilson	(100)	142
KGIX	Las Vegas, Nev.	J. M. Heaton	(100)	142
KGKB	Tyler, Tex.	East Texas Broadcasting Co.	(100)	150
KGKL	San Angelo, Tex.	KGKL, Inc.	(100)	137

Call	Location	Owner	Watts	Channel
KGKO	Wichita Falls, Tex.	Wichita Falls Broadcasting Co.	(250)	57
KGKY	Scottsbluff, Neb.	Hilliard Co., Inc.	(100)	150
KGMB	Honolulu, T. H.	Honolulu Broadc. Co., Ltd.	(250)	132
KGNF	North Platte, Neb.	Great Plains Broadcasting Co.	(500)	143
KGHO	Dodge City, Kan.	Dodge City Broadc. Co., Inc.	(250)	134
KGQ	San Francisco	National Broadcasting Co., Inc.	(7500)	79
KGRS	Amarillo, Tex.	Gish Radio Service	(1000)	141
KGYO	Missoula, Mont.	Mosby's, Incorporated	(100)	120
KGU	Honolulu, T. H.	Marion A. Mulreny Pub. Co.	(2500)	75
KGW	Portland, Ore.	Oregonian Publishing Co.	(1000)	62
KGY	Olympia, Wash.	KGY, Incorporated	(100)	121
KHJ	Los Angeles, Cal.	Don Lee Broadcasting System	(1000)	90
KHQ	Spokane, Wash.	Louis Wasmer, Inc.	(1000)	59
KICA	Clovis, N. M.	Southwest Broadcasting Co.	(100)	137
KICK	Carter Lake, Iowa	Red Oak Radio Corp.	(100)	142
KID	Idaho Falls, Ida.	KID Broadcasting Co.	(250)	132
KIDO	Boise, Idaho	Boise Broadcast Station	(1000)	135
KIDW	Lamar, Colo.	Lamar Broadcasting Company	(100)	142
KIEM	Eureka, Cal.	Harold Hanseth	(100)	131
KIEV	Glendale, Cal.	Cannon System, Ltd.	(100)	85
KIFH	Juneau, Alaska	Juneau Broadcasting Co.	(300)	131
KIT	Yakima, Wash.	Carl E. Haymond	(100)	131
KJBS	San Francisco, Cal.	Julius Brunton & Sons Co.	(100)	107
KJR	Seattle, Wash.	Fishers Blend Station, Inc.	(5000)	97
KLCN	Blytheville, Ark.	Charles Leo Lintzenich	(100)	129
KLO	Ogden, Utah	Interstate Broadcasting Corp.	(500)	140
KLPM	Minot, N. D.	John B. Cooley	(250)	124
KLRA	Little Rock, Ark.	Arkansas Broadcasting Co.	(1000)	139
KLS	Oakland, Cal.	Warner Bros.	(250)	144
KLUF	Galveston, Tex.	George Roy Clough	(100)	137
KLX	Oakland, Cal.	Tribune Building Co.	(1000)	88
KLZ	Denver, Colo.	Reynolds Radio Co., Inc.	(500)	56
KMA	Shenandoah, Iowa	May Seed & Nursery Co.	(500)	93
KMAC	San Antonio, Tex.	W. W. McAllister	(100)	137
KMBC	Kansas City, Mo.	Midland Broadcasting Co., Inc.	(1000)	95
KMED	Medford, Ore.	Mrs. W. J. Virgin	(100)	131
KMJ	Fresno, Cal.	James McClatchy Co.	(500)	58
KMLB	Monroe, La.	Liner's Broadcasting Station, Inc.	(100)	120
KMMJ	Clay Center, Neb.	The M. M. Johnson Co.	(1000)	74
KMO	Tacoma, Wash.	KMO, Inc.	(250)	133
KMOX	St. Louis, Mo.	Voice of St. Louis, Inc.	(50,000)	109
KMPG	Beverly Hills, Cal.	Beverly Hills Broadcasting Corp.	(500)	71
KMTR	Los Angeles, Cal.	KMTR Radio Corp.	(500)	57
KNOW	Austin, Tex.	Southwest Broadcasting Co.	(100)	150

Call	Location	Owner	Watts	Channel
WAAC	Chicago, Ill.	Drovers Journal Pub. Co.	(500)	92
WAAT	Jersey City, N. J.	Bremer Broadcasting Corp.	(500)	94
WAOW	Omaha, Neb.	Omaha Grain Exchange	(500)	66
WABC	New York, N. Y.	Atlantic Broadcasting Corp.	(50,000)	86
WABI	Bangor, Maine	First Universalist Soc. of Bangor	(100)	120
WACO	Waco, Tex.	Central Texas Broadcasting, Inc.	(100)	142
WADC	Akron, Ohio	Allen T. Simmons	(3,000)	132
WAGM	Presque Isle, Me.	Aroostook Broadcasting Corp.	(100)	142
WAIU	Columbus, Ohio	Associated Radiocasting Corp.	(500)	64
WALR	Zanesville, Ohio	WALR Broadcasting Corp.	(100)	121
WAMC	Anniston, Ala.	Raymond C. Hammett	(100)	142
WAML	Laurel, Miss.	The Southland Radio Corp.	(100)	131
WAPI	Birmingham, Ala.	WAPI Broadcasting Corporation	(5,000)	114
WARD	Brooklyn, N. Y.	U. S. Broadcasting Corp.	(500)	140
WASH	Grand Rapids, Mich.	Kunsky-Trendle Broadcast Corp.	(500)	127
WAVE	Louisville, Ky.	WFIW, Incorporated	(3,000)	94
WAWZ	Zarephath, N. J.	Pillar of Fire	(250)	135
WAZL	Hazleton, Pa.	Hazleton Broadcasting Serv. Inc.	(100)	142
WBAA	W. Lafayette, Ind.	Purdue University	(500)	140
WBAK	Harrisburg, Pa.	Pennsylvania State Police	(1,000)	143
WBAL	Baltimore, Md.	Cons. Gas Elec. Lt. & Power Co.	(10,000)	106
WBAP	Ft. Worth, Tex.	Carter Publications, Inc.	(50,000)	80
WBAX	Wilkes-Barre, Pa.	John H. Stenger, Jr.	(100)	121
WBBC	Brooklyn, N. Y.	Brooklyn Broadcasting Corp.	(500)	140
WBBL	Richmond, Va.	Grace Covenant Pres. Church	(100)	121
WBBM	Chicago, Ill.	WBBM Broadcasting Corp.	(25,000)	77
WBSR	Brooklyn, N. Y.	Peoples Pulpit Assn.	(1,000)	130
WBBX	New Orleans, La.	Samuel D. Reeks	(100)	120
WBBZ	Ponca City, Okla.	C. L. Carrell	(100)	120
WBCM	Bay City, Mich.	James E. Davidson	(500)	141
WBEN	Buffalo, N. Y.	WBEN, Incorporated	(1,000)	90
WBEO	Marquette, Mich.	Lake Superior Broadcasting Co.	(100)	131
WBHS	Huntsville, Ala.	The Hutchins Co.	(100)	120
WBIG	Greensboro, N. C.	No. Carolina Broads. Co., Inc.	(500)	144
WBMS	Hackensack, N. J.	WBMS Broadcasting Corp.	(250)	145
WBNX	New York, N. Y.	Standard Cahill Co., Inc.	(250)	135
WBOV	Terre Haute, Ind.	Banks of Wabash, Inc.	(100)	131
WBRC	Birmingham, Ala.	Birmingham Broadcasting Co.	(500)	93
WBRE	Wilkes-Barre, Pa.	Louis G. Baltimore	(100)	131
WBSO	Needham, Mass.	Broadcasting Service Org., Inc.	(500)	92
WBT	Charlotte, N. C.	Station WBT, Inc.	(50,000)	108
WBTM	Danville, Va.	Piedmont Broadcasting Corp.	(100)	137
WBZ	Boston, Mass.	Westinghouse Elec. & Mfg. Co.	(50,000)	99
WCAC	Storrs, Conn.	Connecticut Agril. College	(250)	60
WCAD	Canton, N. Y.	St. Lawrence University	(500)	122
WCAE	Pittsburgh, Pa.	WCAE, Incorporated	(1,000)	122
WCAH	Columbus, Ohio	Commercial Radio Service Co.	(500)	143
WCAI	Northfield, Minn.	St. Olaf College	(1,000)	125
WCAM	Camden, N. J.	City of Camden	(500)	128
WCAO	Baltimore, Md.	Monumental Radio Co.	(250)	60
WCAP	Asbury Park, N. J.	Radio Industries Broadcast Co.	(500)	128
WCAT	Rapid City, S. D.	S. D. State School of Mines	(100)	120
WCAU	Philadelphia, Pa.	WCAU Broadcasting Co.	(50,000)	117

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Call	Location	Owner	Watts	Channel
WCAX	Burlington, Vt.	Burlington Daily News, Inc.	(100)	120
WCAZ	Carthage, Ill.	Superior Broadcasting Service	(50)	107
WCBA	Allentown, Pa.	B. Bryan Musselman	(250)	144
WCBD	Zion, Ill.	Wilbur Glenn Voliva	(5,000)	108
WCBM	Baltimore, Md.	Baltimore Broadcasting Corp.	(100)	137
WCBS	Springfield, Ill.	WCBS, Inc.	(100)	121
WCCO	Minneapolis	Northwestern Broadcasting, Inc.	(50,000)	81
WCFL	Chicago, Ill.	Chicago Federation of Labor	(5,000)	97
WCKY	Covington, Ky.	L. B. Wilson, Inc.	(5,000)	149
WCLO	Janesville, Wis.	WCLO Radio Corporation	(100)	120
WCLS	Joliet, Ill.	WCLS, Inc.	(100)	131
WCMA	Culver, Ind.	General Broadcasting Corp.	(500)	140
WCNW	Brooklyn, N. Y.	Arthur Faske	(100)	150
WCOA	Pensacola, Fla.	Pensacola Broadcasting Co.	(500)	134
WCOC	Meridian, Miss.	Mississippi Broadcasting Co.	(500)	88
WCRW	Chicago, Ill.	Clinton R. White	(100)	121
WCSC	Charleston, S. C.	South Carolina Broadcasting Co.	(500)	136
WCSH	Portland, Maine	Congress Square Hotel Co.	(1,000)	94
WDAE	Tampa, Fla.	Tampa Publishing Co.	(1,000)	122
WDAF	Kansas City, Mo.	Kansas City Star Co.	(1,000)	61
WDAG	Amarillo, Tex.	National Radio Broads. Corp.	(1,000)	141
WDAH	El Paso, Tex.	Tri-State Broadcasting Co., Inc.	(100)	131
WDAS	Philadelphia, Pa.	WDAS Broadcasting Station	(100)	137
WDAY	Fargo, N. D.	WDAY, Inc.	(1,000)	94
WDBJ	Roanoke, Va.	Times-World Corp.	(500)	93
WDBO	Orlando, Fla.	Orlando Broadcasting Co., Inc.	(250)	58
WDEL	Wilmington, Del.	WDEL, Inc.	(250)	112
WDEV	Waterbury, Vt.	Harry C. Whitehill	(500)	55
WDGY	Minneapolis, Minn.	Dr. Geo. W. Young	(1,000)	118
WDDD	Chattanooga, Tenn.	WDDD Broadcasting Corp.	(1,000)	128
WDRG	Hartford, Conn.	WDRG, Incorporated	(1,000)	133
WDSU	New Orleans, La.	Joseph H. Uhalt	(1,000)	125
WDZ	Tuscola, Ill.	James L. Bush	(100)	107
WEAF	New York, N. Y.	National Broadcasting Co., Inc.	(50,000)	66
WEAN	Providence, R. I.	Shepard Broadcasting Service	(500)	78
WEBC	Superior, Wis.	Head of the Lakes Broads. Co.	(1,000)	129
WEBQ	Harrisburg, Ill.	Harrisburg Broadcasting Co.	(100)	121
WEBR	Buffalo, N. Y.	Howell Broadcasting Co., Inc.	(100)	131
WEDC	Chicago, Ill.	Emil Denemark, Inc.	(100)	121
WEED	Greenville, N. C.	Wm. Avera Wynne	(100)	142
WEFI	Boston, Mass.	Edison Elec. Illum. Co.	(1,000)	59
WEHU	Reading, Pa.	Berks Broadcasting Co.	(1,000)	83
WEHC	Charlottesville, Va.	Community Broadcasting Corp.	(500)	135
WEHS	Chicago, Ill.	WEHS, Inc.	(100)	142
WELL	Battle Creek, Mich.	Enquirer-News Co.	(50)	142
WENC	Albany, Ga.	Americus Broadcast Corp.	(100)	142
WENR	Chicago, Ill.	National Broadcasting Co., Inc.	(50,000)	87
WESG	Elmira, N. Y.	Cornell University	(1,000)	104
WEVD	New York, N. Y.	Debs Memorial Radio Fund, Inc.	(500)	130
WEW	St. Louis, Mo.	St. Louis University	(1,000)	76
WEXL	Royal Oak, Mich.	Royal Oak Broadcasting Co.	(50)	131
WFAA	Dallas, Tex.	Dallas News & Dallas Journal	(50,000)	80
WFAB	New York, N. Y.	Fifth Avenue Broadcasting Corp.	(1,000)	130

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Call	Location	Owner	Watts	Channel
WFAM	South Bend, Ind.	South Bend Tribune	(100)	120
WFAS	White Plains, N. Y.	Westchester Broadcasting Corp.	(100)	121
WFBC	Greenville, S. C.	Greenville News-Piedmont Co.	(100)	120
WFBE	Cincinnati, Ohio	Radio Station WFBE, Inc.	(100)	120
WFBG	Altoona, Pa.	The Cable Broadcasting Co.	(100)	131
WFBT	Syracuse, N. Y.	The Onondaga Broadcasting Co.	(1,000)	136
WFBM	Indianapolis, Ind.	Indianapolis Power & Light Co.	(1,000)	123
WFBT	Baltimore, Md.	Baltimore Radio Show, Inc.	(500)	127
WFDF	Flint, Mich.	Flint Broadcasting Co.	(100)	131
WFDV	Rome, Ga.	Rome Broadcasting Corporation	(100)	150
WFEA	Manchester, N. H.	New Hampshire Broadcast. Corp.	(500)	143
WFI	Philadelphia, Pa.	WFI Broadcasting Company	(500)	56
WFLA	Clearwater, Fla.	Clearwater-St. Petersburg Co. of C.	(1,000)	62
WGL	Clearwater, Pa.	WGL, Inc.	(100)	131
WGL	Cleveland, Ohio	The WGL Radio Broadcasting Co.	(500)	145
WGBB	Freeport, N. Y.	Harry H. Carman	(100)	121
WGBF	Evansville, Ind.	Evansville on the Air, Inc.	(500)	63
WGBI	Scranton, Pa.	Scranton Broadcasters, Inc.	(250)	88
WGCM	Mississippi City	Great Southern Land Co., Inc.	(100)	121
WGCP	Newark, N. J.	May Radio Broadcast Corp.	(1,000)	125
WGES	Chicago, Ill.	Oak Leaves Broads. Sta., Inc.	(500)	136
WGH	Newport News, Va.	Hampton Roads Broadcasting Co.	(100)	131
WGL	Ft. Wayne, Ind.	Fred C. Zieg	(100)	137
WGLC	Hudson Falls, N. Y.	O. T. Griffin & G. F. Bissell	(100)	137
WGN	Chicago, Ill.	WGN, Incorporated	(50,000)	72
WGNV	Chester Twp., N. Y.	Peter Golet	(100)	121
WGR	Buffalo, N. Y.	Buffalo Broadcasting Corp., Inc.	(1,000)	55
WGST	Atlanta, Ga.	Georgia School of Technology	(250)	89
WGY	Schenectady, N. Y.	National Broadcasting Co.	(50,000)	79
WHA	Madison, Wis.	University of Wisconsin	(1,000)	94
WHAD	Milwaukee, Wis.	WHAD, Inc.	(250)	112
WHAM	Rochester, N. Y.	Stromberg-Carlson Tel. Mfg. Co.	(50,000)	115
WHAS	Louisville, Ky.	Courier-Journal & Times	(50,000)	82
WHAT	Philadelphia, Pa.	Independence Broadcasting Co.	(100)	131
WHAZ	Troy, N. Y.	Rensselaer Poly. Inst.	(500)	130
WHB	Kansas City, Mo.	WHB Broadcasting Co.	(500)	86
WHBC	Canton, Ohio	Edward P. Graham	(100)	120
WHBD	Mt. Orab, Ohio	Southern Ohio Broadcasting Co.	(100)	137
WHBF	Rock Island, Ill.	Rock Island Broadcasting Co.	(100)	121
WHBL	Sheboygan, Wis.	Press Publishing Co.	(500)	141
WHBQ	Memphis, Tenn.	Broads. Station WHBQ, Inc.	(100)	137
WHBU	Anderson, Ind.	Anderson Broadcasting Corp.	(100)	121
WHBY	Green Bay, Wis.	WHBY, Inc.	(100)	120
WHDF	Calumet, Mich.	Upper Michigan Broads. Co.	(100)	137
WHDH	Boston, Mass.	Matheson Radio Co., Inc.	(1,000)	83
WHDL	Tupper Lake, N. Y.	Tupper Lake Broads. Co., Inc.	(100)	142
WHED	Portsmouth, N. H.	Granite State Broadcasting Corp.	(250)	74
WHED	Rochester, N. Y.	WHED, Incorporated	(500)	143
WHEF	Kosciusko, Miss.	Altala Milling & Produce Co.	(100)	150
WHET	Dothan, Alabama	Troy Broadcasting Co.	(100)	137
WHFC	Chicago, Ill.	WHFC, Incorporated	(100)	142

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Call	Location	Owner	Watts	Channel
WHIS	Bluefield, W. Va.	Daily Telegraph Printing Co.	(250)	141
WHK	Cleveland, Ohio	Radio Air Service Corp.	(1,000)	139
WHN	New York, N. Y.	Marcus Loew Booking Agency	(250)	101
WHOM	Jersey City, N. J.	New Jersey Broadcasting Corp.	(250)	145
WHP	Harrisburg, Pa.	WHP Incorporated	(500)	143
WIAS	Ottumwa, Iowa	Iowa Broadcasting Co.	(100)	131
WIBA	Madison, Wis.	Badger Broadcasting Co.	(500)	128
WIBG	Glenside, Pa.	WIBG, Incorporated	(100)	97
WIBM	Jackson, Mich.	WIBM, Inc.	(100)	137
WIBO	Chicago, Ill.	Nelson Bros. Bond & Mtg. Co.	(1,000)	56
WIBU	Poynette, Wis.	William C. Forrest	(100)	121
WIBW	Topeka, Kan.	Topeka Broadcasting Assn., Inc.	(1,000)	58
WIBX	Utica, N. Y.	WIBX, Inc.	(100)	120
WICC	Bridgeport, Conn.	Bridgeport Broadcasting Station	(250)	60
WIL	St. Louis, Mo.	Missouri Broadcasting Corp.	(100)	120
WILL	Urbana, Ill.	University of Illinois	(250)	89
WILM	Wilmington, Del.	Delaware Broadcasting Co., Inc.	(100)	142
WIND	Gary, Ind.	Johnson-Kennedy Radio Corp.	(1,000)	56
WINS	New York, N. Y.	American Radio News Corp.	(500)	118
WIOD	Miami, Fla.	Isle of Dream Broadcasting Co.	(1,000)	130
WIP	Philadelphia, Pa.	Pennsylvania Broad. Co., Inc.	(500)	61
WIS	Columbia, S. C.	WIS, Inc.	(5,000)	105
WISN	Milwaukee, Wis.	American Radio News, Corp.	(250)	112
WJAC	Johnstown, Pa.	WJAC, Inc.	(100)	131
WJAG	Norfolk, Neb.	Norfolk Daily News	(1,000)	106
WJAR	Providence, R. I.	The Outlet Co.	(500)	89
WJAS	Pittsburgh, Pa.	Pittsburgh Radio Supply House	(1,000)	129
WJAX	Jacksonville, Fla.	City of Jacksonville	(1,000)	90
WJAY	Cleveland, Ohio	Cleveland Radio Broads. Corp.	(500)	61
WJBC	LaSalle, Ill.	Kaskaskia Broadcasting Co.	(100)	120
WJBI	Redbank, N. J.	Monmouth Broadcasting Co.	(100)	121
WJBK	Detroit, Mich.	James F. Hopkins	(50)	137
WJBL	Decatur, Ill.	Commodore Broadcasting, Inc.	(100)	120
WJBO	Baton Rouge, La.	Baton Rouge Broadcasting Co.	(100)	142
WJBW	New Orleans, La.	C. Carlson	(100)	120
WJBY	Gadsden, Ala.	Gadsden Broadcasting Co., Inc.	(100)	121
WJDX	Jackson, Miss.	Lamar Life Ins. Co.	(1,000)	127
WJEJ	Hagerstown, Md.	Hagerstown Broadcasting Co.	(100)	121
WJEM	Tupelo, Miss.	Britt A. Rogers, Jr.	(500)	99
WJJD	Chicago, Ill.	WJJD, Inc.	(20,000)	113
WJMS	Ironwood, Mich.	WJMS, Inc.	(100)	142
WJR	Detroit, Mich.	The Goodwill Station, Inc.	(10,000)	75
WJSV	Washington, D. C.	Old Dominion Broadcasting Corp.	(10,000)	146
WJTL	Atlanta, Ga.	Oglethorpe University	(100)	137
WJW	Akron, Ohio	WJW, Inc.	(100)	121
WJZ	New York, N. Y.	National Broadcasting Co., Inc.	(50,000)	76
WKAQ	San Juan, P. R.	Radio Corp. of Porto Rico	(1,000)	124
WKAR	E. Lansing, Mich.	Michigan State College	(1,000)	104
WKAV	Laconia, N. H.	Laconia Radio Club	(100)	131
WKBB	East Dubuque, Ill.	Sanders Bros.	(100)	150
WKBC	Birmingham, Ala.	R. B. Broyles Furniture Co.	(250)	131

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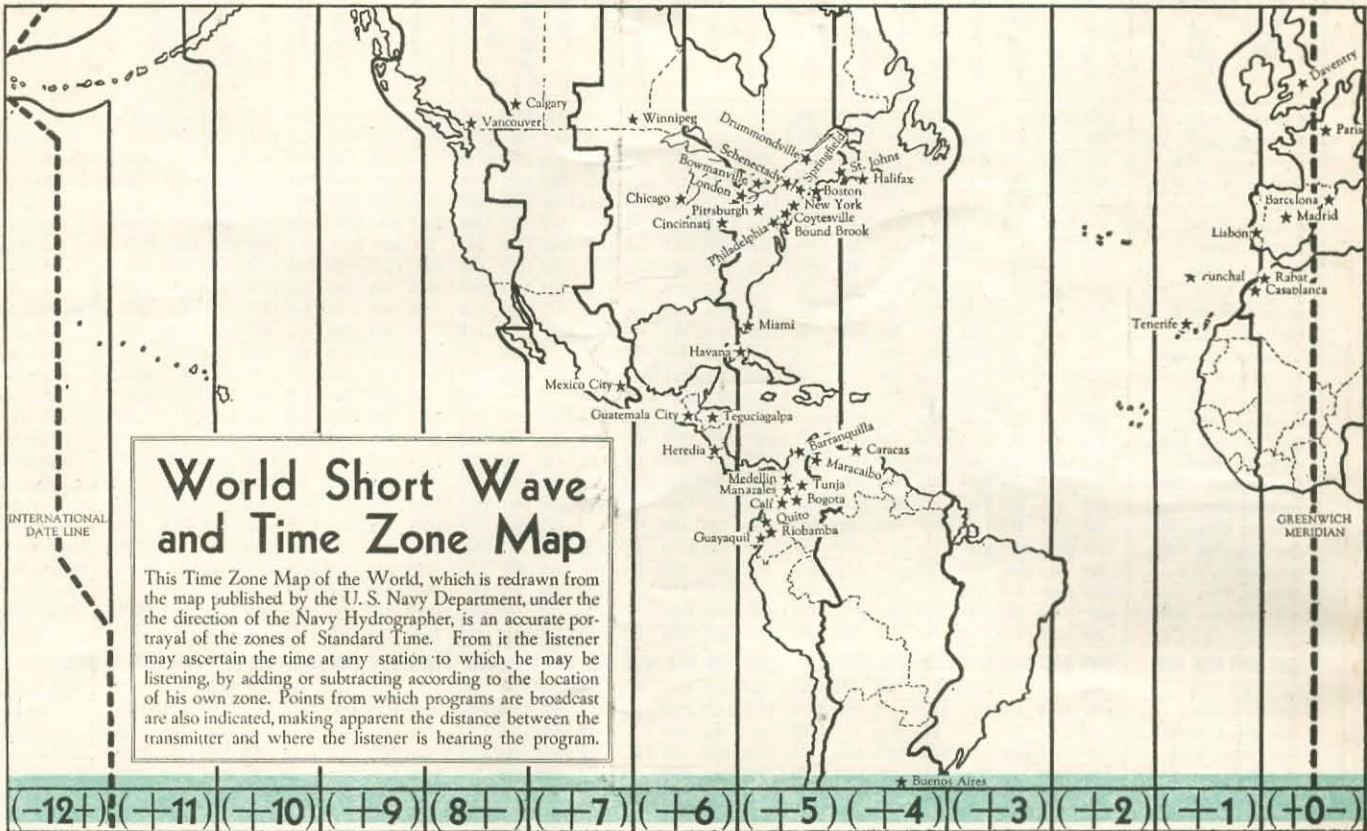
Call	Location	Owner	Watts	Channel
WNAX	Yankton, S. D.	House of Gurney, Inc.	(1000)	5
WNBF	Binghamton, N. Y.	Hewitt-Wood Radio Co., Inc.	(100)	15
WNBH	New Bedford, Mass.	New Bedford Broadcasting Co.	(100)	13
WNBO	Silver Haven, Pa.	John Brownlee Spriggs	(100)	12
WNBR	Memphis, Tenn.	Memphis Broadcasting Co.	(500)	14
WNBW	Carbondale, Pa.	WNBW, Inc.	(10)	12
WNBX	Springfield, Vt.	WNX Broadcasting Corp.	(250)	12
WNBZ	Saranac Lake, N. Y.	Smith & Mace	(50)	12
WNLL	San Juan, P. R.	Juan Piza	(500)	12
WNEW	Newark, N. J.	Wedaam Corp.	(1000)	12
WNOX	Knoxville, Tenn.	WNOX, Inc.	(1000)	5
WNRA	Muscle Shoals, Ala.	Kathryn Jones	(100)	14
WNYC	New York, N. Y.	City of New York	(500)	8
WOAI	San Antonio	Southern Industries, Inc.	(50,000)	11
WOBU	Charleston, W. Va.	WOBU, Inc.	(250)	5
WOC	Des Moines, Iowa	Central Broadcasting Co.	(50,000)	10
WOCL	Jamestown, N. Y.	A. E. Newton	(50)	12
WODX	Mobile, Ala.	Mobile Broadcasting Corp.	(500)	14
WOI	Ames, Iowa	Iowa State Col. of Agriculture	(5000)	6
WOKO	Albany, N. Y.	WOKO, Inc.	(500)	14
WOL	Washington, D. C.	American Broadcasting Co.	(100)	13
WOMT	Manitowoc, Wis.	Francis M. Kadow	(100)	12
WOOD	Grand Rapids, Mich.	Kunsy-Treadle Broadcast. Corp.	(500)	12
WOPI	Bristol, Tenn.	Radiohone Broadcasting Sta.	(100)	15
WOQ	Kansas City, Mo.	Unity School of Christianity	(1000)	13
WOR	Newark, N. J.	Bamberg Broadcasting Service	(50,000)	7
WORC	Worcester, Mass.	Alfred Frank Kleindienst	(500)	12
WORK	York, Pa.	York Broadcasting Company	(1000)	10
WOS	Jefferson City, Mo.	Missouri State Highway Patrol	(500)	6
WOSU	Columbus, Ohio	Ohio State University	(1000)	5
WOV	New York, N. Y.	International Broadcasting Corp.	(1000)	11
WOW	Omaha, Neb.	W. O. W. Life Ins. Assn.	(1000)	5
WOWO	Ft. Wayne, Ind.	Main Auto Supply Co.	(10,000)	11
WPAD	Paducah, Ky.	Paducah Broadcasting Co.	(100)	14
WPCC	Chicago, Ill.	North Shore Church	(500)	3
WPEN	Philadelphia, Pa.	Wm. Penn Broadcasting Co.	(250)	9
WPFB	Hattiesburg, Miss.	Otis Perry Eure	(100)	13
WPG	Atlantic City, N. J.	Columbia Broadcasting System	(5000)	11
WPHR	Petersburg, Va.	WLBB, Inc.	(100)	12
WPRO	Providence, R. I.	Cherry & Webb Broadcasting Co.	(100)	12
WPTF	Raleigh, N. C.	WPTF Radio Co.	(5000)	6
WQAM	Miami, Fla.	Miami Broadcasting Co.	(1000)	5
WQAN	Scranton, Pa.	E. J. Lynett, Proprietor	(250)	8
WQBC	Vicksburg, Miss.	Delta Broadcasting Co., Inc.	(500)	13
WQDM	St. Albans, Vt.	St. Antoine and Regan	(100)	13
WQDX	Thomasville, Ga.	Stevens Luke	(100)	12
WRAC	Williamsport, Pa.	WRAC, Inc.	(100)	13
WRAM	Wilmington, N. C.	Wilmington Radio Assn., Inc.	(100)	13
WRAW	Reading, Pa.	Reading Broadcasting Co.	(100)	13
WRAX	Philadelphia, Pa.	WRAX Broadcasting Co.	(250)	10
WRBL	Columbus, Ga.	WRBL Radio Station, Inc.	(100)	12

WESTERN

HEMISPHERE

(SHORT WAVE STATIONS OF)

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
UNITED STATES						CANADA			MEXICO			CENTRAL AMERICA		
Boston, Mass.	W1XAL	6.04	New York, N. Y.	W2XE	15.27	Bowmanville, Ont.	VE9GW	11.81	Mexico City, Mexico	XDA	5.86	Barranquilla, Colom.	HKD	6.24
Boston, Mass.	W1XAL	21.46	New York, N. Y.	W2XBH	5.50	Bowmanville, Ont.	VE9GW	6.09	Mexico City, Mexico	XEW	6.03	Bogota, Colombia	HJ3ABF	7.61
Boston, Mass.	W1XAL	11.79	New York, N. Y.	W2XE	6.12	Calgary, Alberta	VE9CA	6.03	Mexico City, Mexico	XDA	14.63	Bogota, Colombia	HJ3ABF	6.25
Bound Brook, N. J.	W3XL	6.39	Philadelphia, Pa.	W3XAU	6.06	Calgary, Alta.	VE9CA	6.11	Mexico City, Mexico	XDA	11.76	Bogota, Colombia	HJ3ABF	6.20
Bound Brook, N. J.	W3XL	6.10	Philadelphia, Pa.	W3XAU	9.57	Drummondville, Ont.	VE9DR	11.78				Bogota, Colombia	HJ3ABF	6.20
Chicago, Ill.	W9XF	17.78	Pittsburgh, Pa.	W8XK	11.85	Drummondville, Ont.	VE9DR	11.78				Bogota, Colombia	HJ3ABF	6.20
Chicago, Ill.	W9XAA	17.78	Pittsburgh, Pa.	W8XK	6.14	Guatemala City, Guat.	TGW	6.68				Bogota, Colombia	HJ3ABF	6.20
Chicago, Ill.	W9XAA	6.08	Pittsburgh, Pa.	W8XK	17.78	Guatemala City, Guat.	TGW	8.93				Bogota, Colombia	HJ3ABF	6.20
Chicago, Ill.	W9XAF	6.10	Pittsburgh, Pa.	W8XK	21.54	Halifax, N. S.	VE9HX	6.12				Bogota, Colombia	HJ3ABF	6.20
Cincinnati, Ohio	W8XAL	6.06	Pittsburgh, Pa.	W8XK	15.21	Halifax, N. S.	VE9HX	6.05				Bogota, Colombia	HJ3ABF	6.20
Coytesville, N. Y.	W2XV	15.25	Pittsburgh, Pa.	W8XK	9.57	London, Canada	VE9BY	4.79				Bogota, Colombia	HJ3ABF	6.20
Long Island City, N. Y.	W2XV	4.79	Schenectady, N. Y.	W2XAD	15.33	London, Ont.	VE9BY	6.43				Bogota, Colombia	HJ3ABF	6.20
Miami Beach, Fla.	W4XB	6.04	Schenectady, N. Y.	W2XAF	9.53	St. John's, N. B.	VE9BJ	6.09				Bogota, Colombia	HJ3ABF	6.20
New York, N. Y.	W2XE	11.83	Springfield, Mass.	W1XAZ	9.57	Vancouver, B. C.	VE9CS	6.07				Bogota, Colombia	HJ3ABF	6.20
CUBA						Winnipeg, Canada	VE9CL	5.71				Bogota, Colombia	HJ3ABF	6.20
Havana, Cuba	CMCI	6.06	Havana, Cuba	CM6XJ	15.01	Winnipeg, Man.	VE9JR	11.72				Bogota, Colombia	HJ3ABF	6.20



WORLD BROADCAST STATIONS (Alphabetically by Cities)

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
Barcelona, Spain	EAJ25	6.00	Chicago, Ill.	W9XF	17.78	Heredia, Costa Rica	T14NRH	9.68	Paris, France	FLE	6.12	Rome, Italy	I2RO	11.81
Barranquilla, Colom.	HKA	6.15	Chicago, Ill.	W9XAA	17.78	Johannesburg, S. Africa	ZTJ	6.10	Paris, France	FYA	15.24	Schenectady, N. Y.	W2XAF	9.53
Barranquilla, Colom.	HKA	6.10	Chicago, Ill.	W9XF	6.10	Johannesburg, S. Africa	ZTJ	6.12	Paris, France	FYA	11.90	Schenectady, N. Y.	W2XAD	15.33
Barranquilla, Colom.	HKA	6.24	Chicago, Ill.	W9XAA	11.83	Khabarovsk, Russia	RV15	4.27	Paris, France	FYA	11.70	Schenectady, N. Y.	W2XAD	15.33
Barranquilla, Colom.	HJ1ABB	5.94	Chicago, Ill.	W9XAA	6.08	Khabarovsk, Russia	RV15	4.27	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bandoeng, Java	PMY	5.17	Cincinnati, Ohio	W8XAL	6.06	Khabarovsk, Russia	RV15	4.27	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bogota, Colombia	HJ3ABF	6.25	Constantine, Algeria	F8KR	6.67	London, Canada	VE9BY	4.79	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bogota, Colombia	HJ3ABF	6.20	Daventry, England	GSD	11.75	London, Ont.	VE9BY	6.43	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bogota, Colombia	HJ3ABF	7.61	Daventry, England	GSD	11.86	London, Ont.	VE9BY	8.65	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Boston, Mass.	W1XAL	21.46	Daventry, England	GSD	11.75	Long Island City, N. Y.	W2XV	4.79	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Boston, Mass.	W1XAL	11.79	Daventry, England	GSD	11.86	Madrid, Spain	EAR110	6.98	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bound Brook, N. J.	W3XL	6.39	Daventry, England	GSD	11.75	Madrid, Spain	EAR110	6.98	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bound Brook, N. J.	W3XL	6.10	Daventry, England	GSD	11.86	Manizales, Colom.	HJ4ABB	7.21	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bound Brook, N. J.	W3XL	17.78	Daventry, England	GSD	11.75	Maracaibo, Vene.	YB11BMO	6.13	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bowmanville, Ont.	VE9GW	11.81	Daventry, England	GSD	11.75	Medellin, Colombia	HJ4ABE	5.93	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bowmanville, Ont.	VE9GW	6.09	Daventry, England	GSD	11.86	Melbourne, Australia	VK2ME	9.51	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Bucharest, Roumania	Y01	13.95	Daventry, England	GSD	11.75	Mexico City, Mexico	XDA	14.63	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Buenos Aires, Argen.	LSX	10.35	Daventry, England	GSD	11.86	Mexico City, Mexico	XDA	11.76	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Calcutta, India	VUC	6.11	Daventry, England	GSD	11.75	Mexico City, Mexico	XDA	5.86	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Calgary, Alta.	VE9CG	6.11	Daventry, England	GSD	11.86	Mexico City, Mexico	XDA	6.03	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Calgary, Alberta	VE9CA	6.03	Daventry, England	GSD	11.75	Mexico City, Mexico	XDA	11.76	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Call, Colombia	HJ5ABD	6.38	Daventry, England	GSD	11.86	Mexico City, Mexico	XDA	14.63	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Caracas, Venezuela	YV1BC	6.11	Daventry, England	GSD	11.75	Mexico City, Mexico	XDA	5.86	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07
Casablanca, Morocco	CN8MC	6.25	Daventry, England	GSD	11.86	Mexico City, Mexico	XDA	6.03	Paris, France	FYA	10.51	Skamlebaek, Denmark	OXY	6.07

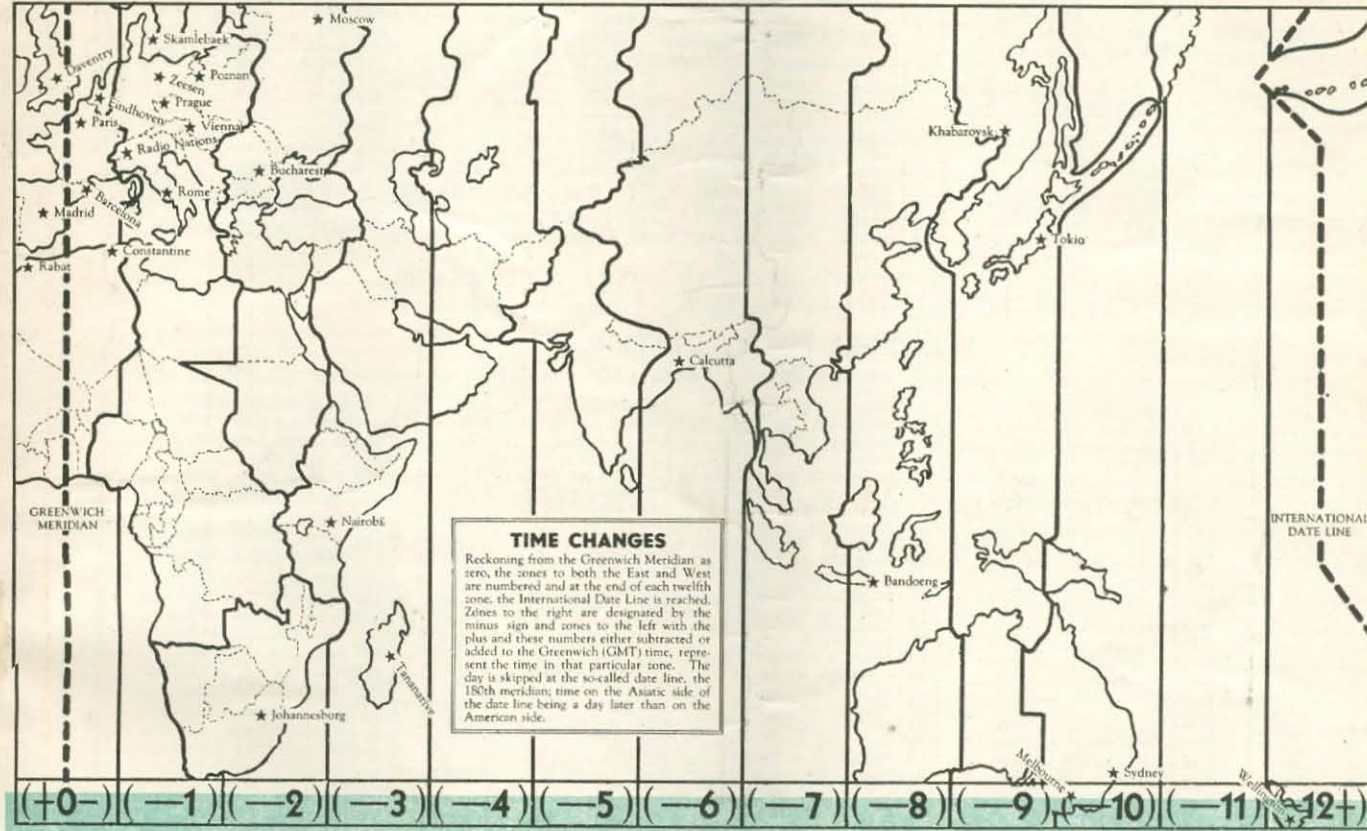
BROADCASTING

THE WORLD

HEMISPHERE

EASTERN

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
AUSTRIA						POLAND			SWITZERLAND			INDIA		
Vienna, Austria	U0R2	6.07	Daventry, England	GSD	11.75	Poznan, Poland	SRI	9.49	Radio Nations, Switz.	HBQ	7.44	Calcutta, India	VUC	6.11
Sydney, Australia	VK2ME	9.59	Daventry, England	GSD	11.86				Radio Nations, Switz.	HBQ	7.80			
CZECHOSLOVAK						Daventry, England	GSD	11.75	Radio Nations, Switz.	HBQ	7.80			
Prague, Czechoslovak	OK1PT	5.14	Daventry, England	GSD	11.86				Radio Nations, Switz.	HBQ	7.80			
DENMARK						PORTUGAL			ROMANIA			JAPAN		
Skamlebaek, Denmark	OXY	6.07	Lisbon, Portugal	CT1AA	9.60	Bucharest, Roumania	Y01	13.95	Tokio, Japan	J1AA	7.88			
Skamlebaek, Denmark	OXY	9.57							Tokio, Japan	J1AA	15.49			
FRANCE						GERMANY			MORROCO			AUSTRALIA		
Paris, France	FLE	6.12	Zeezan, Germany	DJC	6.02	Rabat, Morocco	CNR	12.85	Melbourne, Australia	VK2ME	9.51			
Paris, France	FLE	10.51	Zeezan, Germany	DJA	9.56	Casablanca, Morocco	CN8MC	6.25						
Paris, France	FLE	11.90	Zeezan, Germany	DJB	11.76									
Paris, France	FLE	15.24	Zeezan, Germany	DJB	15.20									
Paris, France	FLE	11.70	Zeezan, Germany	DJB	15.20									
ENGLAND						ITALY			RUSSIA			NEW ZEALAND		
Daventry, England	GSA	6.05	Rome, Italy	HVJ	5.97	Khabarovsk, Russia	RV15	4.27	Wellington, N. Z.	ZL2ZX	6.06			
Daventry, England	GSA	9.51	Rome, Italy	I2RO	6.22	Moscow, Russia	RW59	6.00						
Daventry, England	GSA	9.58	Rome, Italy	I2RO	11.81	Johannesburg, S. Africa	ZTJ	6.12						
HOLLAND						Rome, Italy	HVJ	15.14						
Eindhoven, Holland	PHI	11.73												
Eindhoven, Holland	PHI	17.77												



WORLD BROADCAST STATIONS (Frequency Arrangement)

Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle	Location	Call	Megacycle
Quito Ecuador	HCJB	4.00	Havana, Cuba	CMCI	6.06	Barranquilla, Colom.	HKD	6.24	Skamlebaek, Denmark	OXY	9.52	Daventry, England	GSE	11.86
Khabarovsk, Russia	RV15	4.27	Cincinnati, Ohio	WBXL	6.06	Casablanca, Morocco	CN8MC	6.25	Schenectady, N. Y.	W2XAF	9.53	Pittsburgh, Pa.	W8XK	11.85
London, Canada	VE9BY	4.79	Philadelphia, Pa.	W3XAU	6.06	Bogota, Colombia	HJ3ABF	6.25	Zeezan, Germany	DJA	9.56	Paris, France	FYA	11.90
Long Island City, N. Y.	W2XV	4.79	Nairobi, Africa	QV07L	6.06	Call, Colombia	HJ5ABD	6.38	Springfield, Mass.	W1XAZ	9.57	Rabat, Morocco	CNR	12.85
Prague, Czechoslovak	OK1PT	5.14	Wellington, N. Z.	ZL2ZX	6.06	Quito, Colombia	HCIDR	6.38	Pittsburgh, Pa.	W8XK	9.57	Schenectady, N. Y.	W2X0	12.85
Bandoeng, Java	PMY	5.17	Vancouver, B. C.	VE9CS	6.07	Bound Brook, N. J.	W3XL	6.39	Daventry, England	GSC	9.58	Bucharest, Roumania	Y01	13.95
New York, N. Y.	W2XBH	5.50	Vienna, Austria	U0R2	6.07	London, Ont.	VE9BY	6.43	Philadelphia, Pa.	W3XAU	9.59	Mexico City, Mexico	XDA	14.63
Tananarive, Madagascar	FIUI	5.69	Skamlebaek Denmark	OXY	6.07	Moscow, Russia	RW72	6.61	Sydney, Australia	VK2ME	9.59	Havana, Cuba	CM6JK	15.01
Winnipeg, Canada	VE9CL	5.71	Chicago, Ill.	W9XAA	6.08	Riohamba, Ecuador	PRADO	6.62	Radio Nations, Switz.	HBL	9.59	Rome, Italy	HVJ	15.14
Mexico City, Mexico	XDA	5.86	St. Johns, N. B.	VE9BJ	6.09	Constantine, Algeria	F8KR	6.67	Lisbon, Portugal	CT1AA	9.60	Daventry, England	GSF	15.20
Tunja, Colombia	HJ2ABA	5.88	Bowmanville, Ont.	VE9VG	6.09	Guatemala City, Guat.	TGW	6.68	Heredia, Costa Rica	T14NRH	9.68	Zeezan, Germany	DBJ	15.20
Medellin, Colombia	HJ4ABE	5.93	Johnesburg, S. Africa	ZTJ	6.10	Madrid, Spain	EAR110	6.98	Madrid, Spain	EAQ	9.68	Pittsburgh, Pa.	W8XK	15.21
Barranquilla, Colom.	HJ1ABB	5.94	Chicago, Ill.	W9XF	6.10	Manizales, Colom.	HJ4ABB	7.21	Buenos Aires, Argen.	LSX	10.35	Paris, France	FYA	15.24
Rome, Italy	HVJ	6.00	Bound Brook, N. J.	W3XL	6.10	Tenerife, Canary Isl.	EAR58	7.21	Paris, France	FYB	10.51	Coytesville, N. J.	W2XAL	15.25
Bucharest, Roumania	Y01	6.00	Calcutta	VUC	6.11	Radio Nations, Switz.	HBF	7.44	Funchal, Madeira	CT3AQ	11.81	New York, N. Y.	W2XE	15.27
Moscow, Russia	RW59	6.00	Calgary, Alta.	VE9CC	6.11	Bogota, Colombia	HKQ	7.56	Paris, France	FYA	11.70	Schenectady, N. Y.	W2XAD	15.33
Barcelona, Spain	EAJ25	6.00	Caracas, Venezuela	YV1BC	6.11	Bogota, Colombia	HJ3ABF	7.61	Daventry, England	VE9AR	9.57	Tokio, Japan	J1AA	15.49
Barranquilla, Colombia	HKD	6.00	New York, N. Y.	W2XE	6.12	Radio Nations, Switz.	HBP	8.00	Eindhoven, Holland	PHI	11.73	Zeezan, Germany	DJE	17.76
Tegucigalpa, Hond.	HRB	6.00	Paris, France	FLE	6.12	Tokio, Japan	J1AA	7.88	Daventry, England	GSD	11.75	Eindhoven, Holland	PHI	17.77
Drum'm'd'ville, Canada	VE9DR	6.00	Johnesburg, S. Africa	ZTJ	6.12	Guayaquil, Ecuador	HC2JSB	8.00	Zeezan, Germany	DJD	11.76	Daventry, England	GSF	17.77
Zeezan, Germany	DJC	6.02	Halifax N. S.	VE9HS	6.12	Quito, Ecuador	HCJB	8.12	Mexico City, Mexico	XDA	14.76	Bound Brook, N. J.	W3XAL	17.78
Mexico City, Mexico	XEW	6.03	Maracaibo, Vene.	YB11BMO	6.13	London, Ont.	VE9BY	8.65	Drum'm'd'ville, Ont.	VE9DR	11.78	Chicago, Ill.	W9XF	17.78
Calgary, Alberta	VE9CA	6.03	Pittsburgh, Pa.	W8XK	6.14	Guatemala City, Guat.	TGX	8.93	Boston, Mass.	W1XAL	11.79	Pittsburgh, Pa.	W8XK	17.78
Miami Beach, Fla.	W4XB	6.04	Winnipeg, Man.	VE9CL	6.15	Rabat, Morocco	CNR	9.30	Rome, Italy	I2RO	11.81	Chicago, Ill.	W9XAA	17.78
Boston, Mass.	W1XAL	6.04	Barranquilla, Colom.	HKA	6.15	Poznan, Poland	SRI	9.49	Bowmanville, Ont.	VE9VG	11.81	Boston, Mass.	W1XAL	21.46
Halifax, N. S.	VE9HX	6.05	Bogota, Colombia	HKC	6.20	Melbourne, Australia	VK2ME	9.51	New York, N. Y.	W2XE	11.83	Pittsburgh, Pa.	W8XK	21.54
Daventry, England	GSA	6.05	Rome, Italy	I2RO	6.22	Daventry, England	GSE	9.51	Chicago, Ill.	W9XAA	11.83			

HERE ARE THE POLICE CALLS

NUMERICALLY BY MEGACYCLES

Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency
.19 Megacycles (190 Kilocycles; 1570 Meters)														
WBA	Harrisburg, Pa.	.19	KGPC	St. Louis, Mo.	1.71	WCK	Belle Isl'd, Mich.	2.41	WPDN	Auburn, N. Y.	2.46	WPDN	Auburn, N. Y.	2.46
WBR	Butler, Pa.	.19	KGPI	Beaumont, Tex.	1.71	WMO	High Park, Mich.	2.41	WPDQ	Akron, Ohio	2.46	WPDQ	Akron, Ohio	2.46
WDX	Wyoming, Pa.	.19	KGZB	Houston, Tex.	1.71	WPDH	Tulare, Calif.	2.41	WPRD	Rochester, N. Y.	2.46	WPRD	Rochester, N. Y.	2.46
WJL	Greensburg, Pa.	.19	KGZL	Shreveport, La.	1.71	WPDJ	Detroit, Mich.	2.41	WPDV	Charlotte, N. C.	2.46	WPDV	Charlotte, N. C.	2.46
WMB	West Reading, Pa.	.19	KGZQ	Waco, Tex.	1.71	WPDY	Atlanta, Ga.	2.41	WPEA	Syracuse, N. Y.	2.46	WPEA	Syracuse, N. Y.	2.46
1.53 Megacycles (1534 Kilocycles; 196.1 Meters)														
KGHO	Des Moines, Iowa	1.53	KGZV	Berkeley, Calif.	1.71	WPFH	Baltimore, Md.	2.41	WPFH	Syracuse, N. Y.	2.46	WPFH	Syracuse, N. Y.	2.46
1.56 Megacycles (1558 Kilocycles; 192.5 Meters)														
WEY	Boston, Mass.	1.56	KGZW	Waco, Tex.	1.71	WPFJ	Buffalo, N. Y.	2.41	WPFJ	Cleveland, Ohio	2.46	WPFJ	Cleveland, Ohio	2.46
WKDT	Detroit, Mich.	1.56	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
1.57 Megacycles (1574 Kilocycles; 194.2 Meters)														
KGPI	Baton Rouge, La.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
WMP	Fram'gh'm, Mass.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
WPEL	Middleboro, Mass.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
WPEV	Portland, Mass.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
WPEW	Newton, Mass.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
WRDS	E. Lansing, Mich.	1.57	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46
1.71 Megacycles (1712 Kilocycles; 175.1 Meters)														
KGJX	Pasadena, Cal.	1.71	KGZV	Berkeley, Calif.	1.71	WPFK	Grosse Pt., Mich.	2.41	WPFK	Cleveland, Ohio	2.46	WPFK	Cleveland, Ohio	2.46

ALPHABETICALLY BY CITIES

MUNICIPAL POLICE STATIONS

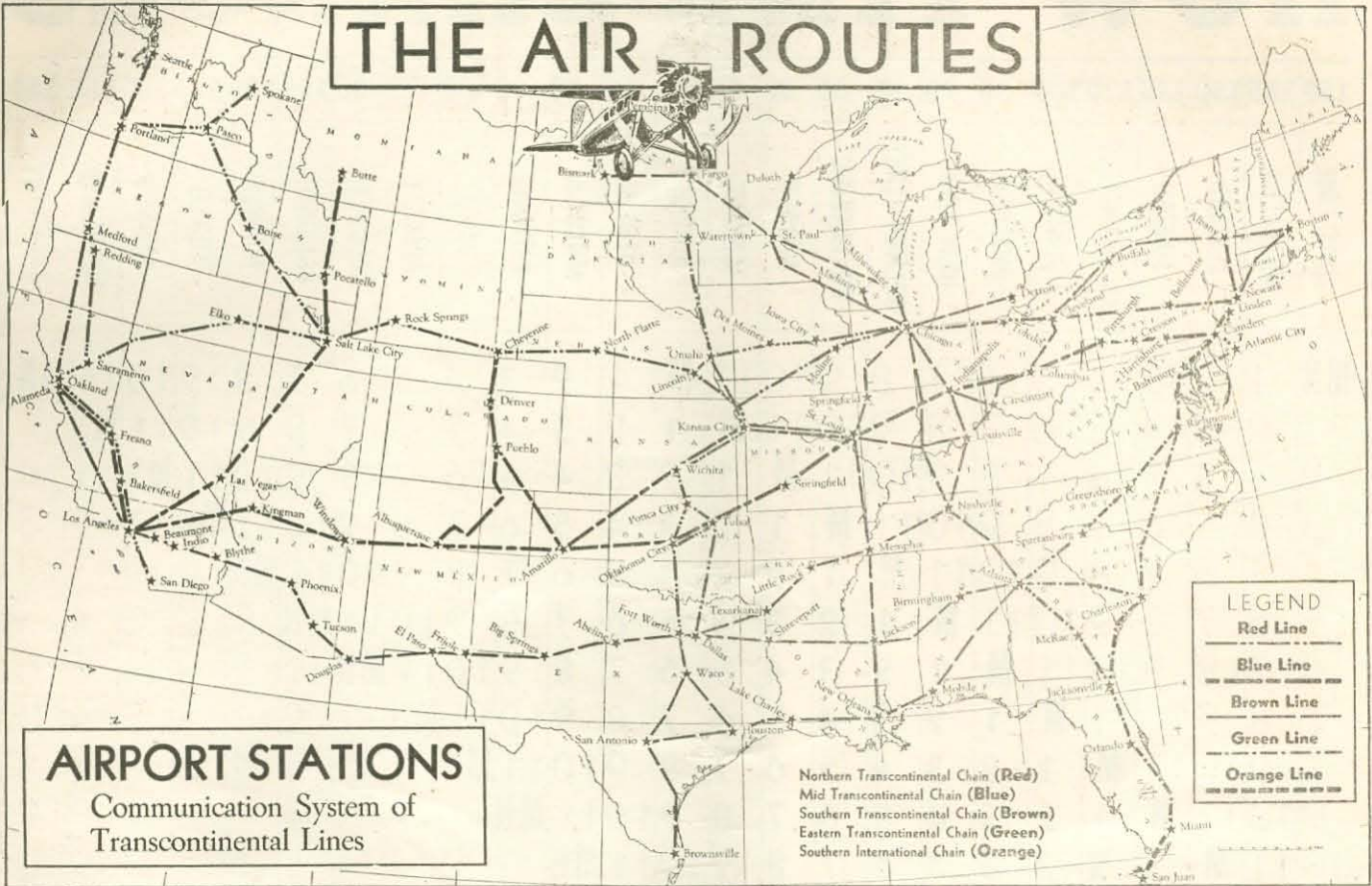
City	Call	Frequency	City	Call	Frequency	City	Call	Frequency	City	Call	Frequency	City	Call	Frequency
Akron, Ohio	WPDQ	2.46	Coffeyville, Kans.	KGZP	2.45	High Park, Mich.	WMO	2.41	New York, N. Y.	WPEE	2.45	Shreveport, La.	KGZL	1.71
Arlington, Mass.	WPEF	1.71	Columbus, Ohio	WPDJ	2.43	High'd Park, Ill.	WPFH	2.43	New York, N. Y.	WPEF	2.45	Sioux City, Iowa	KGPK	2.47
Arlington, Mass.	WPEP	1.71	Columbus, Ga.	WPFJ	2.41	Honolulu, T. H.	KGPO	2.45	New York, N. Y.	WPEG	2.45	Somerville, Mass.	WPEH	1.71
Asheville, N. C.	WPFH	2.46	Dallas, Tex.	KVP	1.71	Houston, Tex.	KGZB	1.71	Oklahoma City	KGPH	2.45	St. Louis, Mo.	KGPC	1.71
Atlanta, Ga.	WPDY	2.41	Davenport, Iowa	KGPN	2.47	Indianapolis, Ind.	WMDZ	2.44	Omaha, Neb.	KGPI	2.47	St. Paul, Minn.	WPDJ	2.43
Auburn, N. Y.	WPDN	2.46	Dayton, Ohio	WPDH	2.43	Jacksonville, Fla.	WPFH	2.44	Pasadena, Cal.	KGJX	1.71	Swarthmore, Pa.	WPFQ	2.47
Bakersfield, Cal.	KGPS	2.41	Denver, Colo.	KGPK	2.44	Johnson, Tenn.	WPFH	2.47	Pawtucket, R. I.	WPFV	2.47	Syracuse, N. Y.	WPEA	2.46
Baltimore, Md.	WPFH	2.41	Des Moines, Iowa	KGHO	2.45	Kansas City, Mo	KGPE	2.42	Phoenix, Ariz.	KGZJ	1.71	Tacoma, Wash.	KGZV	2.41
Belle Isl'd, Mich.	WCK	2.41	Des Moines, Iowa	KGZG	2.47	Klamath F. Ore.	KGZV	2.44	Pittsburgh, Pa.	WPDJ	1.71	Toledo, Ohio	WRDQ	2.47
Berkeley, Calif.	KGZV	1.71	Detroit, Mich.	WKDT	1.56	Knoxville, Tenn.	WPFH	2.47	Portland, Ore.	WPDH	2.44	Toms River, N. J.	WPFH	2.43
Beaumont, Tex.	KGPI	1.71	Detroit, Mich.	WPDJ	2.41	Kokomo, Ind.	WPDJ	2.47	Portland, Ore.	WPDH	2.44	Topeka, Kans.	KGZC	2.42
Birmingham, Ala.	WPFH	2.41	E. Lansing, Mich.	WRDS	1.57	Lansing, Mich.	WPDJ	2.44	Reading, Pa.	WPFH	2.44	Tulare, Calif.	WPDA	2.41
Boston, Mass.	WEY	1.56	East Providence, WPEI	1.71	Lexington, Mass.	WPEI	1.71	Reading, Pa.	WPFH	2.44	Tulsa, Okla.	KGPO	2.45	
Buffalo, N. Y.	WJL	2.42	El Paso, Tex.	KGZM	2.41	Los Angeles, Cal.	KGPI	1.71	Richmond, Ind.	WPDH	2.44	Vallejo, Cal.	KGPG	2.42
Cedar Rapids	KGZV	2.47	Fairhaven, Mass.	WPFJ	1.71	Louisville, Ky.	WPDH	2.44	Rochester, N. Y.	WPRD	2.46	Waco, Tex.	KGZQ	1.71
Chanute, Kans.	KGZV	2.45	Flint, Mich.	WPFH	2.44	Memphis, Tenn.	WPEC	2.47	Saginaw, Mich.	WPFH	2.44	Washington, D. C.	WPDW	2.42
Charlotte, N. C.	WPDV	2.46	Fort Wayne, Ind.	WPDZ	2.47	Milwaukee, Wisc.	WPKD	2.45	Salem, Ore	KGZV	2.44	Wichita, Kans.	KGZV	2.45
Chicago, Ill.	WPDH	1.71	Fresno, Calif.	KGZA	2.41	Minneapolis	KGPB	2.43	Salt Lake City	KGPN	2.47	Wichita, Kans.	KGZV	2.45
Chicago, Ill.	WPDH	1.71	Gary, Ind.	WPFH	2.47	Montreal, Can.	UYR	1.71	S. Barbara, Cal.	KGZO	2.41	Wichita F's, Tex.	KGZL	1.71
Chicago, Ill.	WPDH	1.71	Grand Rapids	WPEB	2.44	Muskegon, Mich.	WPFH	2.41	San Diego, Calif.	KGZD	2.43	Woonsocket, R. I.	WPEM	2.47
Cincinnati, Ohio	WKDU	1.71	Grosse Pt., Mich.	WRDR	2.41	Mt. Pl'sant, N. Y.	WPFH	2.43	San Francisco	KGPD	2.47	Youngst'n, Ohio	WPDG	2.46
Cl'rksh'gh, W. Va.	WPFH	2.41	Hackensack, N. J.	WPFK	2.43	Newton, Mass.	WPFH	1.71	San Jose, Cal.	KGPM	2.47			
Cleveland, Ohio	WRDH	2.46	Hammond, Ind.	WPFJ	1.71	New Orleans, La.	WPEK	2.44	Seattle, Wash.	KGPA	2.41			

STATE POLICE STATIONS

Baton Rouge, La.	KGPI	1.57	Fram'gh'm, Mass.	WMP	1.57	Harrisburg, Pa.	WBA	.19	N'th'mpt'n, Mass.	WPEW	1.57	Wyoming, Pa.	WDX	.19
Butler, Pa.	WBR	.19	Greensburg, Pa.	WJL	.19	Middleboro, Mass.	WPEL	1.57	San Antonio, Tex.	KGZE	2.51	West Reading, Pa.	WMB	.19

ALPHABETICALLY BY CALLS

Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency	Call	City	Frequency
KGHO	Des Moines, Iowa	2.45	KGZB	Houston, Tex.	1.71	WKDT	Detroit, Mich.	1.71	WPDJ	Pittsburgh, Pa.	1.71	WPFH	High'd Park, Ill.	2.43
KGJX	Pasadena, Cal.	1.71	KGZC	Topeka, Kans.	2.42	WKDU	Cincinnati, Ohio	1.71	WPDV	Charlotte, N. C.	2.46	WPFH	Reading, Pa.	2.44
KGZQ	Cedar Rapids	2.47	KGZD	San Diego, Calif.	2.43	WMB	West Reading, Pa.	.19	WPDW	Washington, D. C.	2.42	WPFH	Toms River, N. J.	2.43
KGPA	Seattle, Wash.	2.41	KGZE	S. Antonio, Tex.	2.51	WMDZ	Indianapolis, Ind.	2.44	WPDY	Atlanta, Ga.	2.41	WPFH	Jacksonville, Fla.	2.44
KGPI	Minneapolis	2.43	KGZF	Chanute, Kans.	2.45	WMJ	Buffalo, N. Y.	2.42	WPDZ	Fort Wayne, Ind.	2.47	WPFH	Baltimore, Md.	2.41
KGPC	St. Louis, Mo.	1.71	KGZG	Des Moines, Iowa	2.47	WMO	High Park, Mich.	2.41	WPEA	Syracuse, N. Y.	2.46	WPFH	Columbus, Ga.	2.41
KGPD	San Francisco	2.41	KGZH	Klamath F. Ore.	2.44	WMP	Fram'gh'm, Mass.	1.57	WPEB	Grand Rapids	2.44	WPFH	Hammond, Ind.	1.71
KGPE	Kansas City, Mo.	2.42	KGZI	Wichita F's, Tex.	2.41	WMDA	Tulare, Calif.	2.41	WPEC	Memphis, Tenn.	2.47	WPFH	Hackensack, N. J.	2.43
KGPG	Vallejo, Cal.	2.42	KGZJ	Phoenix Ariz.	2.43	WPDH	Chicago, Ill.	1.71	WPEE	New York, N. Y.	2.45	WPFH	Gary, Ind.	2.47
KGPH	Oklahoma City	2.45	KGZL	Shreveport, La.	1.71	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Birmingham, Ala.	2.41
KGPI	Omaha, Neb.	2.47	KGZM	El Paso, Tex.	2.41	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	St. Louis, Mo.	1.71
KGPI	Beaumont, Tex.	1.71	KGZM	Tacoma, Wash.	2.41	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Sioux City, Iowa	2.47
KGPK	Sioux City, Iowa	2.47	KGZM	S. Barbara, Cal.	2.41	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPL	Los Angeles, Cal.	1.71	KGZM	Coffeyville, Kan.	2.45	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPM	San Jose, Cal.	2.47	KGZM	Waco, Tex.	1.71	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPN	Davenport, Iowa	2.47	KGZM	Salem, Ore.	2.44	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPO	Tulsa, Okla.	2.45	KGZM	Berkeley, Calif.	1.71	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPP	Portland, Ore.	2.44	KGZM	KVP	1.71	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGQ	Honolulu, T. H.	2.45	KGZM	UYR	1.71	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPS	Bakersfield, Cal.	2.41	KGZM	WBA	.19	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPN	Salt Lake City	2.47	KGZM	WBR	.19	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPP	Denver, Colo.	2.44	KGZM	WCK	2.41	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGPY	Baton Rouge, La.	1.57	KGZM	WDX	.19	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGZ	Wichita, Kans.	2.42	KGZM	WEY	1.56	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44
KGZA	Fresno, Calif.	2.41	KGZM	WJL	.19	WPDH	Chicago, Ill.	1.71	WPEF	New York, N. Y.	2.45	WPFH	Portland, Ore.	2.44



AIRPORT STATIONS

Communication System of Transcontinental Lines

The government designates the radio communication chain of each of the transcontinental aviation systems by a color, and these communication chains are shown on the map above. The airport stations are grouped by chains, with the frequencies of each chain in megacycles. They are also listed alphabetically by calls. Aside from relaying company messages, these stations are in constant contact with the planes enroute, receiving location of the plane, sending weather warnings, etc. They come on the air without notice and while this list comprises airport stations only, plane transmitters can be heard on the same frequencies.

Red Line STATIONS & Frequencies

2.49 2.61 2.61 3.16 3.17 3.18 3.32
4.12 5.57 5.58 5.59 5.66 6.49 6.50

KQX	Bakersfield, Cal.	KMR	No. Platte, Nebr.
WNAM	Bellefonte, Pa.	KFO	Oakland, Cal.
KRA	Boise, Idaho	KNAV	Oklahoma City, Okla.
KOE	Cheyenne, Wyo.	KMP	Omaha, Nebr.
WUGC	Chicago, Ill.	KRD	Pasco, Wash.
WNAC	Cleveland, Ohio	KGU	Ponca C., Okla.
KNAT	Dallas, Tex.	KVO	Portland, Ore.
KQM	Des Moines, Iowa	KTU	Redding, Cal.
KKO	Elko, Nev.	KQC	Rock Springs, Wyo.
KGUT	St. Louis, Mo.	KFM	Sacramento, Cal.
KGT	Fresno, Cal.	KQD	Salt Lake, Utah
KQK	Iowa City, Iowa	KGQZ	San Diego, Cal.
KNAS	Kansas City, Mo.	KZJ	Seattle, Wash.
KRF	Lincoln, Neb.	KGZT	Spokane, Wash.
KEU	Los Angeles, Cal.	WNAJ	Toledo, Ohio
KGU	Medford, Ore.	KNAU	Tulsa, Okla.
WNAU	Moline, Ill.	KGTC	Watertown, S. D.
WNAO	Newark, N. J.	KGTE	Wichita, Kans.

Orange Line STATIONS & Frequencies

2.65 2.87 3.08 3.08 5.40 5.96 6.57
6.58 8.01 8.22 12.33 16.24 16.44

WKDL	Miami, Fla.	WMDU	San Juan, P. R.
KGJW	Brownsville, Tex.		

Brown Line STATIONS & Frequencies

2.32 2.36 2.67 2.67 2.70 2.85 2.94
3.00 3.13 3.23 3.24 3.26 3.45 3.46
3.47 3.47 3.48 4.74 4.92 5.38 5.60
5.61 5.63 5.82 6.54 6.55 6.56 8.01

KGUL	Abilene, Tex.	KGUQ	Indio, Cal.
WSDM	Albany, N. Y.	WSDU	Jackson, Miss.
WQDP	Atlanta, Ga.	KGU	Lake Charles, La.
KGTV	Beaumont, Cal.	KGU	Little Rock, Ark.
KGUG	Big Spr'gs, Tex.	KGU	Los Angeles, Cal.
WSDU	Birmingham, Ala.	WSDU	Louisville, Ky.
KNWD	Blismark, N. D.	WSDU	Madison, Wisc.
KGUS	Blythe, Cal.	WSDU	Memphis, Tenn.
WSDU	Boston, Mass.	WAEH	Milwaukee, Wisc.
KGUE	Brownsville, Tex.	WAEK	Mobile, Ala.
WSDU	Burilo, N. Y.	WSDU	Nashville, Tenn.
WSDG	Chicago, Ill.	WSDU	Newark, N. J.
WSDS	Chicago, Ill.	WSDU	New Orleans,

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
12P	11P	10P	9P	8P	7P	6P	5P	4P	3P	2P	1P	0	1M	2M	3M	4M	5M	6M	7M	8M	9M	10M	11M	12M

This table contains the changes in time, in plainly marked figures, that take place as the time zones of the earth are traversed, and is designed for instant reckoning of time as given in another zone. In this chart, it will be noticed that Greenwich meridian, from whence standard time is reckoned, is in the center and the International Date Line is on either side. While identical in principle and operation with the time zone map, it affords easier reckoning. M indicates noon and MN midnight; the AM figures (from midnight to noon) are printed in lightface type, while the PM figures are dark. The degree figures at the top indicate the meridian while the plus and minus figures (at the bottom) show the hours to be added to or taken from Greenwich time.

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