NOVEMBER 1938

RADEX

The All-Wave Radio Log Authority

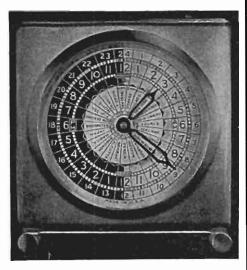




All the Stations With Names of Owners
The Monthly Frequency Checks
The Broadcasting Stations of the World
How to Dial the Foreign Stations

NOW IT'S ELECTRIC!

THE CLOCK THAT
CAN BE SET AT
ANY OF THE
WORLD'S 24
TIME ZONES



Modernistic Design of Brushed Brass

Tells time like an ordinary clock and automatically shows authentic time in every other zone around the world.

Actual size is 51/4 inches high by 43/4 inches wide.

Has A. M. and P. M. divided dial and 24-hour dial. Indicates minutes and quarter hours.

Just plug it in and set it for the correct time. No further adjustment nor calculation is required.

For AC 110-120 volts, 60 cycles What DXers Have Always Wished For! THE ELECTRIC WORLD-TIME CLOCK

\$5.95

Also available in same style case in springdriven model at \$4.95. We pay the postage.

The Radex Publishing Co.

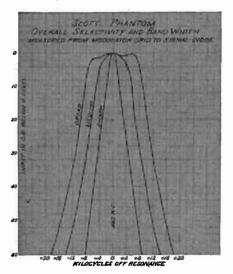
289 Queen Anne Road

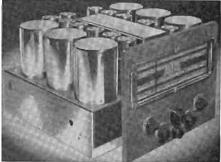
TEANECK, N. J.

New SCO HANTOM Offers RAZOR-SHARP ariable SELECTIVITY

PRACTICALLY TWO RADIOS IN ONE
..A DX SET FOR LONG DISTANCE..
A WIDE RANGE HIGH FIDELITY
SET FOR TONAL PERFECTION

Incorporated in the I.F. Amplifier of the Scott PHANTOM is an amazing new three-position Selectivity Expansion and Contraction System that makes possible razor-sharp Selectivity from 3.4 KC for DX reception to 12.5 KC for high fidelity reproduction. Laboratory curves of over-all selectivity show that in sharp position band width is 3.4 KC at 6 d.b. down, giving ample selectivity to powerful locals. Such distant stations would ordinarily be blanketed by interference from powerful nearby stations on adjacent channels in production type receivers.





WIDER FIDELITY AND SELECTIVITY RANGE
When finest possible reproduction is desired, selectivity control can be switched to broad position and receiver instantly adjusted to pass all frequencies up to 8500 cycles. We believe the new SCOTT PHANTOM offers a greater Fidelity and Selectivity range than any other radio now available to the general public.

MAGNIFICENT TONAL REALISM

New engineering principles have practically eliminated electrical interference from vacuum cleaners, oil burners, etc. Greater antenna response on all wave bands, plus additional noise reduction are obtained from a new SCOTT Super-Double Doublet Antenna System. Tube hiss and still quieter reception of weak signals from distant foreign stations result from new circuit arrangements. SCOTT RADIOS are hand crafted with remarkable skill and fine watch precision, for performance impossible with mass-production receivers. Yes, they cost no more! For 15 years they have been purchased by critical listeners in the U.S. and 148 foreign countries. Experience the amazing performance of the SCOTT Phantom in your own home. 30 Day Trial anywhere in the United States. Guaranteed 5 Years. NOT SOLD THRU STORES. NOW READY. THE NEW SCOTT SUPER XII A brand new Scott Custom Built 12-tube receiver, incorporating new advanced Scott features. . one of the greatest values the radio dollar ever bough!! Chassis to be priced \$99.50 plus tax

as low as...... at Chicago
MAIL COUPON FOR SPECIAL OFFER



| • | | | | | | | | _ | - | |
|---|------|----|------|----|-------|----|------|-----|-------|------|
| | E. I | Н. | SCOT | TT | RADIO | LA | BORA | OTA | RIES. | INC. |

4424 Ravenswood Ave., Dept. 15T8, Chicago, Ills.

Please send set of curves, all facts, and Special Limited Offer on
the new SCOTT PHANTOM. □ Send facts on new Scott Super XII

Name

Street

STUDIOS: NEW YORK - CHICAGO - LOS ANGELES - LONDON

NOVEMBER 1, 1938



RADIO

Reg. U. S. Patent Office



FIFTEENTH YEAR

Number 123

PAGE TAYLOR

Editor

B. FRANCIS DASHIELL Technical Associate Editors
CARLETON LORD
Broadcast

RAY LAROCQUE Shortwave

CONTENTS

| PA · | GE |
|--|-----|
| Cover Girl—Helen Wood, NBC Actress | |
| DIALING THE FOREIGN STATIONS, by Count De Veries | 3 |
| HIGH FREQUENCY GLOBE TROTTING by Ray LaRocque | 9 |
| TUBES NEED TO BE REPLACED, by B. Francis Dashiell | 17. |
| NIGHT LIFE OF THE RADEXERS, by Carleton Lord | 22 |
| QUESTIONS FROM PUZZLED READERS, by B. Francis Dashiell | 32 |
| ACROSS THE EDITOR'S DESK | |
| THE SWL TRADING POST | 38 |
| AMATEUR CALLS HEARD | 38 |
| AMONG THE CLUBS | 95 |
| THE MONTHLY FREQUENCY CHECKS | 40 |
| TWENTY STENTORS | 42 |
| THE BROADCASTING STATIONS OF THE WORLD | 51 |
| APPLICATIONS TO THE FCC | 54 |
| RECOMMENDATIONS OF FCC EXAMINERS | 55 |
| THE MONTH'S CHANGES IN STATION DATA | 55 |
| N. AMERICAN BROADCASTING STATIONS BY FREQUENCIES | 56 |
| N. AMERICAN BROADCASTING STATIONS BY LOCATIONS | 76 |
| N. AMERICAN BROADCASTING STATIONS BY CALLS | 83 |
| THE AUGMENTED CALL LETTER INDEX | |

See subscription blank on page 96.

Published monthly except July and August by

THE RADEX PUBLISHING CO.

289 Queen Anne Road

Teaneck, New Jersey

Subscriptions in the United States and Possessions and in Canada, \$1.75 per year; all other countries, \$2.25 per year. Single copies, 25 cents. Entered as second-class matter Aug. 30, 1938, at the Post Office at Teaneck, N. J., under the Act of March 3, 1879; additional entry as second-class matter at Passaic, N. J. All manuscripts submitted are at the authors' risk, and will not be returned unless accompanied by sufficient postage. Copyright, 1938, by the Radex Publishing Co., 289 Queen Anne Teaneck, N. J.

PRINTED IN THE U.S.A.
FOR SALE AT YOUR NEWSSTAND



DIALING THE FOREIGN STATIONS

PART TWO

THE DXer who roams the medium waves is one of the world's most difficult persons to please. No matter how much success he may have had with stations in his own country, he is constantly striving to better his record and reach new goals.

By the same token, he is never satisfied with his log of foreign stations. Whether he possesses two or twenty trans-oceanic veries, the thirst for foreigners continues unabated and he probably will never be entirely content.

Despite opinions to the contrary, the extent of a DXer's success with overseas stations rests largely upon his own shoulders. Listeners may contend that the fellows with big logs have favorable locations and sundry other advantages, but in the great majority of cases the success of a night owl is almost entirely dependent upon his own skill. With few exceptions, the number of foreign veries in his files is a direct tribute to his ability to get the most out of his receiver.

It is true that there are some listeners who are favorably situated in a suburban location, where signals are better received and noise is at a minimum. Also, other dial twisters have been able to afford expensive receivers and impressive antenna installations. But the possession of a good location and fine equipment is no guarantee of successful foreign reception. If the listener doesn't know how and where and when to tune, he will be lucky indeed if he ever gets off his own continent.

Realizing that virtually every DXer has an insatiable appetite for overseas dialing, last month this section opened a discussion of the problems attending foreign reception. Intended for the neophyte who has yet to hear his first TA or TP, as well as for the old-timer who would like to increase his already-large log, the article tried to cover the fundamentals of good tuning procedure.

The respective arts of tuning and hearing were discussed in some detail, and an attempt was made to impress readers with the importance of developing these arts to the highest degree. Vagaries of reception were illustrated by examples of how signals from various directions were received in the United States. Tips were given on proven methods of dialing and of overcoming apparent obstacles. The matter of equipment was given

some attention, although it had been discussed more in detail in the September issue.

Considering the season of the year, particular attention was given to reception of stations in South America and the Antipodes. Selected lists of the more powerful stations on each continent were included in the text of the article, and problems peculiar to the reception of these stations received ample attention.

That the first part of this article was timely is shown by recent reception. As this issue goes to press, strong carriers from stations in New Zealand and Australia have been noticed. A couple of SA's have pushed their noses through the domestic barrage, and it begins to look as though predictions of a good season were more than justified.

By the time this, the November issue, reaches the newsstands, yet another cycle of foreign reception will have commenced. With the SA's and TP's at a peak towards the last of October, the stations in Asia and Europe will start their annual invasion of these shores, and so the spotlight is focussed on them.

The Europeans

For years DXers regarded reception of European BCB stations as quite impossible for American listeners. Despite the relative success of the international tests in 1926-27, it was argued that the difference in time created obstacles which could not be overcome. Suspicion was directed at the few who did report transmitters in France and Germany, and one prominent radio club official had a standing wager that no one could

tune in a medium-wave European station in his presence.

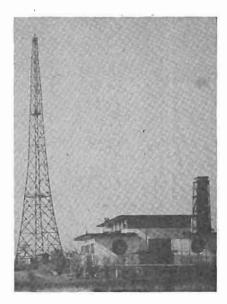
Then on December 2, 1932, DX history was made. Between 1 and 3 a. m., EST, scores of listeners dialed an unknown station on 914 kcys which was carrying an account of a cricket game being played in Australia. Great was the conjecture as to the identity of the station.

A few DXers dared to think that they had heard a European station, but they were in the minority. Tentatively the station was put down as either Canadian or American, although not a few listeners were convinced that they had heard 4RK at Rockhampton, Australia.

The cricket games continued through January and so did the play-by-play accounts — and also the guesses. The Editor of RADEX could not believe that the station could have been Paris, as a few readers reported, and voiced the opinion that it was some American station.

Finally the March 1933 RADEX confirmed the fact that the unknown station had indeed been Poste Parisien in Paris and that the play-by-play account had been re-created from cable dispatches. And so a series of cricket matches dispelled doubts about trans-Atlantic reception, provided the first instance of mass listening to a European station, and paved the way for many thrilling TA catches by American listeners.

During the 1933-34 and 1934-35 seasons which followed, DXers reaped a real harvest of TA's, logging stations in virtually every European country. The period of sunspot maximum activity caused TA reception to slacken off appreciably



The transmitter building and aerial tower of the Frankfurt-amMain station in Germany. This 25 kilowatt station works on 1195 kcs. and has been heard many times in this country.

during the 1935-36 and 1936-37 winters, only to come back stronger than ever last year.

With general reception conditions on a definite upgrade, the current season should find Europeans making a bannner showing on the logs of American DXers.

Tuning the Europeans

Coming up in November and continuing through December and January, trans-Atlantic medium-wave stations should provide excellent targets for listeners in the East and Middle West.

Although their signals are not as strong as those from South America, the TA's do manage to make a respectable showing along the Atlantic Seaboard, particularly in the Middle Atlantic and New England States and in the Maritime Provinces. Farther West, signal strength ebbs out gradually, although DXers in Ohio, Indiana and Illinois frequently report exceptional results. By the time they have crossed the Great Plains, European signals are practically gone and they are seldom heard on the West Coast.

Trans-Atlantic stations may be divided into two general classes for the purpose of tuning—those which are heard in the early evening and those which are best heard during the early morning hours. In a few instances, there are stations which embrace both classes, but they are in a minority.

In the case of the early evening stations, DXers find a greater variety of possible catches as well as the most difficulties attending reception. Since the stations are being tuned during the hour or two prior to their sign-off, reception takes place between the fall of darkness over here and (1) the time they go off the air or (2) the time the local stations get too loud for separation.

During the late fall and winter, trans-Atlantic stations may be heard as early as 4:30 p. m., EST, along Atlantic Seaboard. Between 5:00 and 6:00, their signals reach a peak which is maintained until their sign-off. However, between 6:00 and 7:00 p. m., separation is made increasingly difficult by gains strength of the locals. Hence, there is a relatively short period early every evening when the TA's are at maximum strength and local interference is at a minimum. This may be but 20

or 30 minutes in duration, or it may last a full hour, but that is the only time when DXers can cross the Atlantic during the early evening.

In picking the stations to tune in the early evening, it is necessary to consider their schedules. With the exception of the principal German transmitters which go off at 3 a. m. their time, virtually all of the Europeans sign off between 11 p. m. and midnight, their time. In the case of mid-continental stations—Italy, Hungary, Germany and Czechoslovakia this would be 5:00 and 6:00 p. m., And stations operating on Greenwich Time—France and England-will thus leave the air between 6:00 and 7:00 p. m.

Reception of these early evening stations is limited almost exclusively to listeners in the Atlantic and Eastern time belts. In fact, it is only those on the actual coastline who can enjoy consistent reception.

By far the best time to hear Europeans is in the early morning hours when most of the channels are clear. Many of the German stations come on the air for their day's schedule at 6 a. m., Middle European Time, midnight, which would be However, the channels don't begin to clear up until 1:00 or 1:30, at which time they can be heard. Italian stations come on the air between 1:30 and 2:30 a. m., EST, as do the As day breaks French stentors. across the Atlantic, the signals begin to fade out. This usually starts at 2:30 in the case of the Germans and Italians, it being 8:30 a. m. there, and most of the TA's are gone by three o'clock, when it is 8 a. m. in England and France.

Here again it is necessary to consult a schedule. It will be noticed that many of the more powerful stations, such as the English regional transmitters, do not sign on until after daylight has made reception quite impos-Hence, the late signers-on must be placed in the early-evening classification. Occasionally, a stations—notably the Germans, who are on a schedule of 21 to 22 hours daily-can be heard at both times, but usually it is necessary to place the average station in one of the two classes.

Following is a list of the principal European stations, with frequency in kilocycles and power in kilowatts. When known, the schedule is given in Eastern Standard Time. All of these stations have been heard in the United States from time to time, and many are regular visitors. A complete list of all European stations is given in another part of this issue.

- 546 Budapest, Hungary 120 KW Daily 6:05 am - 6 pm
- 556 Beromunster, Switzerland 100 KW Daily 6 am - 5 pm
- 565 Athlone, Eire 100 KW Daily 2 am - 5 pm
- 574 Stuttgart, Germany 100 KW Daily 11:45 pm - 9 pm
- 583 Grenoble, France 15 KW Daily 2 am - 5 pm
- 583 Madona, Latvia 50 KW 1 am on
- 592 Vienna, Germany 120 KW Daily Midnight - 9 pm
- 601 Rabat, Morocco 25 KW
- 610 Florence, Italy 20 KW Daily 2 am - 6 pm
- 620 Brussels I, Belgium 15 KW Daily 1 am - 6 pm
- 620 Cairo, Egypt, 20 KW
- 638 Praha, Czechoslovakia 120 KW Daily 12:01 am - 5:15 pm
- 648 Lyons PTT, France 100 KW Daily 2 am - 5 pm

- 658 Cologne, Germany 100 W Daily 12:01 am - 9 pm
- 668 Manchester (No. Reg.), G. B. 70 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 677 Sottens, Switzerland 100 KW Until 6 pm
- 686 Beograd, Yugoslavia 20 KW Until 5 pm
- 695 Paris PTT, France 120 KW Daily 1:30 am - 6 pm
- 704 Stockholm, Sweden 55 KW Daily 6:05 am - 5 pm
- 713 Rome I, Italy 120 KW Daily 2 am - 6 pm
- 731 Tallinn, Estonia 50 KW
- 740 Munich, Germany 100 KW Daily 12:01 am - 9 pm
- 749 Marseilles, France 100 KW Daily 2 am - 5 pm
- 758 Katowice, Poland 12 KW Daily 1 am - 5:05 pm
- 767 Scottish Regional, G.B. 60 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 776 Toulouse PTT, France 120 KW Daily 2 am - 5 pm
- 785 Leipzig, Germany 120 KW Daily 10:50 pm - 9 pm
- 795 Lwow, Poland 50 KW Until 5 pm
- 804 Wales Regional, G.B. 70 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 814 Milan I, Italy 50 KW Daily 2 am - .6 pm
- 841 Berlin, Germany 100 KW Daily 12:01 am - 11 pm
- 850 Sofia, Bulgaria 100 KW Until 5 pm
- 859 Strasbourg, France 80 KW Daily 12:30 am - 5 pm
- 877 London Regional, G.B. 70 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 904 Hamburg, Germany 100 KW Daily 11 pm - 9 pm
- 913 Toulouse, France 60 KW Until 6 pm
- 922 Brno, Czechoslovakia 32 KW Daily 6 am - 5 pm
- 932 Brussels II, Belgium 15 KW Until 6 pm
- 941 Algiers, Algeria 11.5 KW

- 950 Breslau, Germany 100 KW Daily 11 pm - 9 pm
- 959 Poste Parisien, Paris, France 60 KW Daily 2 am - 7 pm
- 977 North Ireland Regional 100 KW Weekdays 5:15 am · 7 pm Sundays 4:25 am · 6 pm
- 986 Bologna, Italy 50 KW Daily 2 am - 5 pm
- 995 Hilversum II, Holland 60 KW Daily 1:40 am - 5:40 pm
- 1004 Bratislava, Czech 13.5 KW Daily 1:05 am - 5 pm
- 1013 Midland Regional, G. B. 70 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 1031 Konigsberg, Germany 100 KW Daily 11 pm - 9 pm
- 1040 Rennes, France 120 KW Daily 1:30 am - 5 pm
- 1050 West Regional, G. B. 50 KW Weekdays 5:15 am - 7 pm Sundays 4:25 am - 6 pm
- 1059 Bari I, Italy 20 KW Until 6 pm
- 1077 Bordeaux, France 30 KW Until 5 pm
- 1104 Kuldiga, Latvia 50 KW
- 1113 Praha II, Czechoslovakia 60 KW Daily 12:01 am - 5 pm
- 1131 Horby, Sweden 60 KW
- 1158 Kosice, Czechoslovakia 10 KW Daily 1:35 am - 4 pm
- 1167 Monte Ceneri, Switz. 15 KW Daily 6:40 am - 4 pm
- 1185 Nice, France 60 KW
- 1195 Frankfurt, Germany 25 KW Daily 11 pm - 9 pm
- 1213 Lille PTT, France 60 KW Until 5 pm
- 1222 Rome II, Italy 60 KW Until 5 pm
- 1393 Radio Lyons, France 25 KW
- 1411 Fecamp (Radio Normandie), France 10 KW Daily 1 am - 8 pm

From this list, DXers will be able to select a group of the more powerful stations as a test for any early evening or morning session. As soon as darkness has fallen, they might try Budapest on 546, the British North Regional on 668, Milan I on 814, and Toulouse on 913. In each case,

interference from locals should be at a minimum around five o'clock.

As in the case of all foreign dialing, "spot tuning" is recommended as the best way of going after weak The listener will try one of the four stations suggested above. Budapest should not be hard, as there is no powerful local on an adjacent channel. The British station on 668 should be far enough from WEAF to be heard until WMAQ starts to come through. Neither WHAS nor WCCO will offer early-evening opposition to Milan on 814. If one isn't heard at first, stick around for a couple of minutes. If the signal hasn't faded in after a reasonable wait, try one of the others. And so on until each of the four has had a chance to come through.

If it is found that none of these can be heard, try another group of transmitters which are known to be on the air. Should interference be too great, see if the station can't be heard during the early morning. And then go on for a try at another frequency.

In the event that one station is found to be coming through, the natural tendancy is to go after a lot more. But such a habit should be discouraged, as a good report on one station is worth more than several poor reports on a number of stations. There are always other nights to try for the rest of the broadcasters, and a good signal should never be passed up until a complete report has been logged.

The same general procedure should be followed for tuning during the early morning hours. Pick a group of German stations—say, Stuttgart on 574, Vienna on 592, Cologne on 658, Munich on 740, Berlin on 841 and Breslau 950—and on start tuning'' at 1 a. m., EST. channels are usually clear and, if European reception is good that morning, at least one or two of them should be heard. Along towards two o'clock, try the French stations— Strasbourg on 859, Toulouse on 913, Rennes on 1040, Bordeaux on 1077 and Radio Normandie on 1411. If XEAW isn't on late, Poste Parisien 959 is always a good bet. Frankfurt on 1195 always shows a good signal for its power.

No matter if the first five or six tried fail to show up, there is no reason to give up. Frequently only one or two TA's can be heard on any one morning, and it is up to the DXer discover which one is coming through. Of course, there are occasional mornings when every European seems to be pounding through, and then there is a race to see how many can be logged before they commence

to fade out.

While the nights of "perfect reception" are the exception rather than the rule, hardly a week of the TA season will go by without at least one or two days when many of the more powerful Europeans can be logged. If the wise DXer takes advantage of average reception to tune the bigger stations, he will then be free to go after the smaller transmitters when unusual conditions them coming through.

Everything considered, there are few DXers today who, by patiences and perseverance, could not build up an impressive log of TA's and other foreign stations. Equipment and lo-

(Please turn to page 42)

High Frequency Globe Trotting

• • With RAY LA ROCQUE

THE identity of the station on 15180 kcs. remains a mystery, although we have fairly good reason to believe it is a Soviet transmitter. This broadcaster has been reported to be anything from Ankara to Helsinki, but after hearing them sign off day after day with the "Internationale," which is the Soivet national anthem, we are lead to believe that its nationality is Russian.

We are convinced that the identification of this 15180 kcs. station as Ankara, Turkey, is incorrect. There is no Turkey on the 15 megacycle band; at least, it is not being heard on the North American continent. It is possible that the Turkish station is not yet operating, in which case we hope they get going soon so we'll be able to have Turkey for Thanksgiving!

MEGACYCLE BREVITIES

It seems to be a favorite habit of ours to start this brevities department with a "puzzler" or mystery station each month. This month we're having a sale, a bargain so to speak-we're going to give you two stations to identify for us. Both seem to be in Chile, but here again we are only guessing. The frequencies are 9730 kcs. and 11742 kcs. You may have trouble with COCX on the latter. . . It might interest some curious fans to listen to conversations of the Pacific coast fishing fleet. They work on approximately 2680 kcs. from early evening till after midnight (PST). The yachts "Gypsy" and "Chief" both on 2174 kcs. also work these ships. . . A relief in these times of threatening war and strife in which shortwave radio is used mainly



Verification cards from the Praha station are illustrated with many different pictures, showing scenes in Czechoslovakia or pictures of their people. A bevy of Czechoslovakian YL's adorns this card. (Courtesy of A. C. Tarr).

for propaganda purposes are the programs of PCJ, the "Happy Station" in Holland, which typify a spirit of peace and good will among nations. . . Paris Mondial verified with a printed letter. in response to our notice of RADEX'S change of address. We can't be too critical, though. These large stations have so many letters in foreign languages, that it is not odd that they make mistakes occasionally. . . A Rome transmitter is being heard afternoons on 15190 kcs. Quality is very poor and it may be a harmonic, but we can't imagine which of the many Rome trans-

mitters could be dropping a harmonic on this frequency! . . . Germany will increase the power of the Austrian shortwave stations to 50 kw. and will add new frequencies to the existing ones so that the set-up of the Austrian shortwave network will be as follows: OER-2 on 6072 kcs., OER-3 on 11801 kcs., OER-4 on 9570 kcs., and OER-5 on 15190 kcs. This from the National Radio Club. . .

"An anti-Stalin station in Riga, Latvia has been reported heard in America. The station broadcasts from 7 to 10:15 p.m. on 10030 kcs."—Radio Guia—Havana. . The Before Breakfast DX Club reports that VIG at Port Moresby, Papua is being heard regularly on 7300 kcs. relaying 4 P.M. Try for this station at 3 a.m. on the first and third Saturday of each month. QUOTE AND UNQUOTE

Al Bartholomew, Bradford, New York: "Can anyone supply any information on when to tune to OER-3?"

Walter V. Scholz, Webster Groves, Mo.: "I need help in identifying a station on 17765 kcs. speaking in a foreign language other than Spanish. The station is heard between 5 and 6 p.m."

Chester Ramon, Chicago, Illinois: "I would like to know if you have any information on the following stations. CZJ7 on 2260 kcs., WLD on 2330 kcs., and WOWB which seems to be a ship called the 'Stanley'."

Harry Honda, Los Angeles, California: "Who is the Italian-speaking station on 15100 kcs. who signs at 10:45 a.m.?"

Bertram Podall, Gilman, Vermont: "Please inform me on the Yugoslavia station on 15120 kcs. Their program is in Yugoslavian except for one an-

nouncement in English asking for letters to be sent to Radio Station Belgrade, Yugoslavia." (The station is one of the Berlin experimental transimtters relaying Belgrade—see Germany in the "Shortwaves in Review" section—RL).

ULTRA HIGH

The very eratic conditions on this band, including the skip-distance effect, make it necessary for us to caution you to notice the location of the reader reporting a station. One station may be heard R9 in one state and may not be audible across the border. This, in our opinion, adds greatly to the appeal of these bands. We like uncertainty with our DXing!

W2XDV on 31600 kcs. in New York City is heard with Columbia Broadcasting System programs on Sundays and Tuesdays from 8-9 p.m. (Horlick—Ohio).

W6XI on 31380 kcs. in Bolinas, California has been granted permission to operate on this frequency for the purpose of determining the effectiveness of the ultra-high frequencies for long distance communication. (RX)

W6XKG on 25950 kcs. In Los Angeles, California announces as the "Twenty-four Hour Station" and is heard as early as 9:30 a.m. with news at 10 a.m. They are good most of the afternoon and heard between 8 and 10 p.m. (Horlick—Ohio).

W8XNU on 25950 kcs. in Cincinnati, Ohio comes in a shade higher than W6XKG and is best from 2-6 p.m. (Horlick—Ohio).

W9XHW on 31600 kcs. in Minneapolis, Minn. is best on Sundays, Mondays, and Saturdays from 7-8 p.m. They verify promptly. (Horlick—Ohio).

W9XJL on 26100 kcs. in Superior, Wisconsin is heard as early as 10 a.m. with news items at 10:30 a.m. They are good in the afternoon and also from 6-8 p.m. when they sign off. (Horlick—Ohio). W9XJL is heard with a strong signal on the west coast from 11 a.m. to 2 p.m. (Honda—Calif.)

W9XPD on 31600 kcs. in St. Louis, Mo. verifies by letter through Robert L. Coe of KSD! They promise to keep RADEX posted on any changes at W9XPD. (RL—Mass.)

W9XA in Kansas City will rebroadcast programs of WLW as well as those of KITE when they begin their program tests. Watch the various broadcast frequencies on the ultra high bands for these tests. (RL—Mass.)

W9XUP on 25950 kcs. at St. Paul, Minnesota is heard from noon to 4:30 p.m. News bulletins given at 12:45 and 4:15 p.m. (Horlick—Ohio).

NEW on 41100 kcs. to the Board of Education of the city of New York for a station in Brooklyn to be used for non-commercial educational broadcasts with 500 watts power. (RX).

VERI NEWS AND NEW VERIES

EAJ-43 of the Radio Club Tenerife verified by card signed by Enrique Diaz giving the address as Apt. 222, Santa Cruz de Tenerife, Canary Islands. (Deterly—La.)

RADIO MARTINIQUE's card is colorful. Done in red, yellow, and blue with black printing the make-up is such that it cannot be properly described without viewing it. (It was illustrated in the September, 1938, issue of RADEX). (RL—Mass.)

RKI verified with a photo of the Kremlin and enclosed a station schedule. The letter contained a fine stamp picturing the Russian Arctic explorers. (Travener—Texas).

Jim Walker informs that ZLT does not verify. . . You can always be certain of something new from Prague. It seems every card from them has a different picture. . . A verification from SPW received by Edward Hirsch (R111) of St. Albans, N. Y. states that they now use a power of 10 kilowatts. . . Japan is to issue verifications in CARD form instead of folders beginning this month.

SHORTWAVES IN REVIEW

Albania

NEW—a three and one half kilowatt transmitter is scheduled to go into operation early in 1939! The construction has been under way for some time at Tirana, but this is all the information available at this time. (Morey—Mass.)

Canada

NEW—a transmitter, designed to operate on approximately 4324 kcs. will be installed at headquarters of the government reindeer station, lying immediately east of the Mackenzie River delta in the Northwest territory. The station will be used for communication with the Signals Station of the Department of National Defence at Aklavik during periods of break-up and freeze-up when travel over extended distances is not possible in that country. (RX).

China

XTJ on 11690 kcs. in Hankow is heard from 7-8:30 a.m. with best signals during the first half hour. News items in several languages are given at 8 a.m. Announcements are made by both male and female announcers. The address is P. O. Box 90. (Bartholomew—N. Y., and Skyten—Mass.)

XGW on 10420 kcs. in Shanghai is

the best signal from China on the coast and they are operating daily from 6-9:45 a.m. English news is given at 9:15 a.m. Address is XGW—Chinese Gov't. Radio Administration, Sassoon House, Jinkee Rd., Shanghai. (R35—Cal. 2).

XTC on 9290 kcs. at Nanking is another well-heard Chinese station. They operate from 8-9:10 a.m. (R35—Cal. 2).

Colombia

HJU on 9510 kcs. in Buenaventura informs the Cleveland Radio Club that they are closing down their transmitter. (RX).

HJ3CAD on 4841 kcs. at Bogota, known as "Emisora Nueva Grenada" is the call now being used by what was formerly HJ3ABD. May we add that this is a "belief" and will bear confirmation? We know there has been a change but will not guarantee our interpretation of the annoucer's utterances. So 'elp us it sounded like HJ3CAD to us in English as well as in Spanish. (RL—Mass.)

Costa Rica

TI4NRH on 9670 kcs. in Heredia, will conduct a special DX program for the National Radio Club on November 24 from 9 to 10 p.m. The NRC will appreciate it if every RADEX reader will report on this program. (Herz—Ill.)

Denmark

OZF on 9520 kcs. in Copenhagen has inaugurated a special daily broadcast for North America, after the recepit of several letters from the BBDXC. The broadcast is from 10-11 p.m. and is in addition to their old schedule of 2-6 p.m. Reports should



Printed in light blue, dark blue and black, this card from CSW is one of the most attractive of all QSL cards. (Courtesy of A. M. Hankins.)

be addressed to Postog Telegrafvaisenet, Radioingenioertjenesten, Bernstorffsgade 32, 1, Copenhagen V, Denmark. (R35—Cal. 2). Taglauer—Ky.)

OZH on 15165 kcs. is heard very well from 8 a.m. to 1:30 p.m. They announce in English as "Danish Shortwave Station." (Herz—Ill.)

Dominican Republic

HI3X on 15280 kcs. in Trujillo City is heard every Sunday from 7:40-10:40 a.m. Their schedule also calls for week-day broadcasting from 12:10-1:10 p.m. (Herz—III.)

Federated Malay States

ZGE on 6200 kcs. in Kuala Lumpur, now on this frequency, has been heard with a fair signal on the west coast. Their schedule is Sunday, Tuesday, and Friday from 6:40-8:40 a.m. ZGE is operated by the Institute of Medical Research at Kuala Lumpur. The frequency seems to vary from 6120 to 6200, but broadcasts of late seems to have been on 6200 kcs. (R35—Cal. 2).

Finland

OFD on 9500 kcs. at Lahti is heard

in the afternoon from 3:30-5 p.m. when XEWW is not broadcasting. Occasionally, the Mexican stays up on 15160 in the afternoon and then it is not too difficult to pull in a signal from Lahti! (Miner—Wollaston).

Germany

DZC on 10390 kcs. and DJL on 15110 kcs. are now relaying programs from the "Radio Beograd", Belgrade, Yugoslavia, otherwise known as YUA. Care should be taken not to mistake these for new Yugoslavia frequencies. (The Eders—Minn.)

Guatamala

TGWA on 9685 kcs. broadcasts from 10 p.m. to 11:30 p.m. They announced that they will verify all reports and that the listeners need not include return postage. (Lang—Pa.)

TGWB on 6490 in Guatamala City is now on the air. They are heard in parallel with TGWA and remain on the air for 45 minutes along with TGW after the 9685 kcs. station signs off at 1:30 p.m. (Bruder and RL.—Mass.)

Haiti

HH2S on 5925 kcs. in Port-au-Prince broadcasts programs from Jamaica every night between 8 and 9:30 p.m. The station is heard with an R7-9 signal. (R21—Pa. 3).

Hungary

HAT-4 on 9125 kcs. in Budapest informs that they might change frequency. They receive too many reports of poor reception on the present channel. (Sekach-Mich.)

India

ALL INDIA RADIO—Schedule of transmissions:

VUD3 Delhi (5) 15160 kcs.: 8:30 p.m. to 10:30 p.m.

1:30 a.m. to 3:30 a.m.

VUD3 Delhi (5) 9590 kcs.: 7:30 a.m. to 12:30 p.m.

VUD2 Delhi (10) 9590 kcs.:

8:30 p.m. to 10:30 p.m.

1:30 a.m. to 3:30 a.m. VUD2 Delhi (10 4995 kcs.:

7:30 a.m. to 12:30 p.m.

VUB2 Bombay (10) 9550 kcs.:

9:30 p.m. to 10:30 p.m. 1:00 a.m. to 3:30 a.m.

VUB2 Bomboy (10) 4905 kcs.

7:00 a.m. to 12:30 p.m. VUM2 Madras (10) 4950 kcs.:

7:00 a.m. to 12:30 p.m.

VUC2 Calcutta (10) 9530 kcs.: 2:06 a.m. to 4:06 a.m.

VUC2 Calcutta (10) 4880 kcs.: 6:36 a.m. to 12:06 p.m.

Power in kilowatts is shown in parentheses after the location. (Marion—La.)

VUD3 on 15160 kcs. in Delhi is still being heard well when it starts its program at 8:30 p.m. They fade out almost completely one hour after the start of the program. The 9590 kcs. transmitter is not heard at the 8:30 p.m. schedule as they are QRM'ed by PCJ or W3XAU. (Taglauer—Ky., and R7—Pa. 1).

Italy

IQY on 11676 kcs. at Rome is heard during the American Hour from 7:30-9 p.m. The station is reported along with I2RO-4 on 11810 kcs. (Worthington—B.C., and Marion—La.)

Japan

JFO on 9636 kcs. in Taiwan, Formosa is one which you should have a tough time loging. They're on from 6-7 a.m., but use only one kilowatt! (Bartholomew—N. Y.)

JVN on 10660 kcs. broadcasts the news at 4:55 a.m. daily. The station is received here with very good volume

of late. It has been noticed that a short period before the news is broadcast the station closes down temporarily. A few minutes later JVN comes back only to have about three or four times the original strength! (Wells—Ala.)

JZK on 15160 kcs. is now carrying the North American program from 8-8:30 p.m. in place of JZL. JZK is also being heard well around 5 p.m. with occasional English announcements. (Barker—Me.)

JZO on 10270 kcs. is a new Tokyo station which is being used from 8-9:30 a.m. (Bartholomew—N. Y.)

Kenya Colony

VQ7LO on 10730 kcs. in Nairobi was heard relaying jungle music to NBC at 9 p.m. (Taglauer—Ky.)

Mexico

XECR on 15150 kcs. in Mexicco City is now being heard occasionally on this frequency. Try for it Sundays. (Skyten—Mass.)

Netherlands

PCJ on 15220 kcs. in Huizen heard on west coast 1:55 a.m. to 2:15 p.m. (Worthington—B.C.)

NEW station on 21480 kcs. in Huizen is heard daily broadcasting simultaneously with PHI on 17770 kcs. The signal is the best on the 13 meter band. (Skyten—Mass.)

New Caledonia

RADIO NOUMEA on 6100 kcs. at Nouma can now be heard relaying FJP the long wave station after W9XF leaves the air at 2 a.m. The broadcasts are in French and begin at 2 a.m. on Tuesdays through Saturdays. Due to its low power, this station is heard only when best conditions prevail. At 3:30 a.m., "Radio Noumea" signs off with the French National Anthem. The ad-

dress is 44 due de l'Alma, Noumea, New Caledonia and all reports will be verified if they are correct. (R35— Cal. 2).

Panama

HP5I on 11895 kcs. has been heard very well of late announcing their address at P. O. Box 1121, Panama City. (Barker—Me.)

HP5'G on 11895 kcs. now, having transferred to this frequency from 11780 kcs. (Brodowski—N. Y., and Miner—Mass.) Particulars on the station: Slogan—Ron Dalley; Power 750 to 1500 watts; P. O. Box 1121; Opening and closing theme—"Prelude of Traviata". Interval signal or chimes—none; Language used—English and Spanish; operating hours—6 to 10 p.m.; verifications for an I.R.C. (Gallivan—Canal Zone).

Poland

SP-19 on 15121 kcs. and SP-25 on 11740 kcs., the new Polish stations are being used with directional aerials to South America. SP-19 is not too difficult to hear, but SP-25 is hiding behind COCX's skirt and doing a very fine job of it. They couldn't have gotten closer to COCX if they'd borrowed the Cuban's own crystal! Reports on these stations are solicited and should be addressed to Polskie Radio Warszawa, Warsaw, Poland. Schedule is from 6-9 p.m. According to announcement more experimental short. wave stations are due to take the air (Borey-Mass., Scholz-Mo., Bruder—Mass., Leshner—Mass., Skyten—Mass., Sekach—Mich.)

Portugal

CSW on 15100 kcs. at Lisbon heard in the morning around 9 o'clock with Portuguese National Anthem. Skyten —Mass.)

Spain

RADIO NACIONAL on the frequescies listed below are the principal stations being used by General Franco and his government. The times shown are for English broadcasts.

FETI Valladolid 7006 kcs.

No English program.

..... Bilbao 7246 kcs.

(Radio Espana) Tues., Thurs., and Sat. 3:15 p.m. Sun. 4:30 p.m.

.....San Sebastian 7205 kcs.

(Radio Espana) 8:20 a.m. and 4:30 p.m.

..... Madrid Front 6750 kcs.

(Radio Nacional A Z) 5:15 p.m.

..... Madrid Front 7050 kcs.

(Radio A Z) 5:15 p.m. EA9BJ Alcazarquivir 7125 kcs. FET-5 Burgos 7351 kcs. 2:15 p.m. EA2AE Las Palmas 7152 kcs.

EA2BH Jaca 14115 kcs. 8 p.m. EA9AH Tetuan 13992 kcs. 5 p.m. (Gard-

ner-Ohio).

Straits Settlements

ZHP on 9690 kcs. in Singapore heard daily with signal at it's best between 6-7 a.m. (Bartholomew—N. Y.)

United States

NEW—The NBC has been granted a construction permit for a new international broadcast station at Boundbrook, N. J. on 17780 kcs. with 35 kw. The CP and license are experimental and may be cancelled at any time by the FCC. (RX).

W3XAU in Philadelphia has been granted permission to add the frequency of 15270 kcs. to those authorized in its existing license. (RX).

W3XAL in Boundbrook, N. J. has also been granted a couple of additional frequencies — experimentally. They are 9670 kcs. and 21630 kcs. (RX).

W2XAA on 8655 kcs. was heard operating portable in Chicago. It is

owned by Bell Telephone Labs., New York City. (Hill—D.C.)

W9XDH on 12862.5 kcs., Elgin, Ill., of the Press Wireless, Inc. was heard testing about 12:30 p.m. Frequency was announced and popular reocrdings played. Station identification was given every 10 minutes. Signal very strong! (Hyde—Conn.)

U.S.S.R.

RAN on 9595 kcs. from 9-9:15 p.m. with English program was heard with R5-7 signal. RNE was on 12000 kcs. commencing at 10:20 p.m. (Scholz—Mo.)

Union of South Africa

ZRK on 9610 kcs. in Klipheuvel is heard on the west coast until 1 a.m. with good signal. (Honda—Calif.)

Uruguay

CXA-8 on 9640 kcs. has been heard operating as late as 2 o'clock on Sunday morning. (RL—Mass.)

Reporters For The Month

A word of explanation: The items above are not direct quotations from the readers' letters. They are, instead, our own version of the news as submitted by the readers. Credit is given as follows: "RX" means official news; "RL" is your truly; and the others are the last names of the reporters. When the reporter is a member of the RADEX club (and we believe everyone of them should be) his club number is given instead of his name.

R7, Pa. 1, A. M. Hankins, Latrobe, Pa. R9, Mo. 1, Walter V. Scholz, Webster Groves, Mo.

R21, Pa. 3, Edward Lang, Philadelphia, Pa.

R35, Calif. 2, Stanley B. LaRue, Beverly Hills, Calif.

R49, D.C. 2, David Hill, Washington, D.C.

R111, Edward Hirsch, St. Albans, N. Y.

R140, Conn. 5, J. Herbert Hyde, Elmwood, Conn.

R184, Carl Eder, Willmar, Minn.
R185, Anne Eder, Willmar, Minn.
Elvyn Barker, Portland, Me.
A. Bartholomew, Bradford, N. Y.
John Brodowski, Brooklyn, N. Y.
Arthur F. G. Bruder, Allston, Mass.
Wilbert F. Cornwall, Englewood,
Colo.

A. V. Deterly, Baton Rouge, La.
J. D. Gallivan, Balboa, Canal Zone.
J. E. Gardner, Cleveland, Ohio.
Leo Herz, Chicago, Ill.
Hary Honda, Los Angeles, Calif.
Mark Horlick, Youngstown, Ohio.
Matthew Leshner, Lawrence, Mass.
Charles A. Marion, New Orleans, La.
Capt. W. W. Massey, Fort Payne, Ala.
Hary V. Miner, Wollaston, Mass.
Kenneth Morey, Easthampton, Mass.
Frank Sekach, Detroit, Mich.
Robert Skyten, E. Brookfield, Mass.
Walter C. Snyder, Grand Rapids,
Mich.

Bob Taglauer, Covington, Ky. Cliff Tavener, Rosenberg, Texas Jack Wells, Phoenix City, Ala. E. Worthington, Vancouver, B. C.

New BBC Station

A new 5 kilowatt transmitting station at Redmoss, near Aberdeen, Scotland, was put into service on Sept. 9, replacing the one kilowatt transmitter that has been serving the Aberdeen district for fifteen years. The old station's frequency of 1285 kcs. is retained by the new station. The programs radiated originate in studios in Aberdeen or in London.

RAY SAHLBACH



Ray Sahlbach is a well-known DXer, residing in St. Louis, Mo. The photograph above shows him seated at his set, in his "den," with but a few of his many verification cards on the wall. He did not identify the cards which are shown, but we can make out cards from EAQ in Madrid, Berlin, W9XAA, and a Venezuelan veri.

We invite our readers to send photographs for reproduction in RADEX. Radio fans are requested, when sending pictures of themselves, to send also a short history of their DXing activity. All photographs will be returned.

TUBES Need to be Replaced By B. FRANCIS DASHIELL

EARLY every passerby along Main Street came to a halt before the windows of Higrade Radio Sales and Service to admire the new automatic all-wave radios. And Turner Dial, Higrade's proprietor, was proud of his display of receivers the interest his fellow townsmen were showing was pleasing him. Already he had sold several sets because of his window and floor exhibition. So, when an express truck unloaded several crates of still another maker's 1939 models, Turner became anxious to get them in the store.

"Bill," he called. "Lets move these crates back and get 'em opened.. I'm anxious to see how they look."

"Coming," replied Bill Wood, as he reached the nail puller. Bill was a young man of untiring energy who had a yearning to become an expert radio serviceman. Soon the two men had the crates moved to the rear of the store, and Bill was carefully opening them.

Turner Dial, who serviced most of the town's radio sets, had also sold nearly every set in use. There was one thing that spoiled the radio business as far as he was concerned, and that was the problem of trading in old sets. Turner knew beforehand that he would have to face that prospect whenever a customer entered the store. Dial did not like it, and often expressed his opinions in no uncertain terms.

"Guess we'll have to take in an ancient set every time we sell one of these new ones," Turner remarked to Bill Wood.



"I can't see why you mind that, replied Bill. "You've made two profits." With an air that he had solved the depression problem. Wood pulled back the last piece of crate. Ain't it a beaut!" he exclaimed.

But Turner Dial was filled with argument. "This tradein business is racket," he opined. "Everybody does it, and we have to, but no one likes it." Turner's thoughts passed down to the "museum" in the basement where dozens of old receivers. too good to junk, were stored. Those trade-ins represented discounts from list prices on new receivers—often bargains to his customers and reduced profits to himself. If he could only sell them! But the market for used sets simply did not exist. Perhaps he could push them a bit and make a market for good secondhand receivers. He had always argued that, with an overhauling, many of those sets would perform for years in modest homes where new, expensive sets, frequently purchased on time payments, were financial burdens.

The insistent ringing of the tele-

phone broke Turner's reverie. He stepped quickly into the little alcove which served as his office. "Good morning - Higrade Radio - may we be of service?" Turner responded, using the phrase of the moment. "Yes! That's too bad. I'll fix it up, and be there right away." Dial hung up the receiver and stepped into the service department.

"What's the matter," asked Wood. "Sounds like real trouble."

"Don't know exactly," answered Turner. "That new 12-tube set we just sold Mr. White has gone haywire. He's plenty sore too. I'll run out there, so you take care of the store."

Wood grinned. "I knew that sale was too good to be true. He paid cash and didn't have a trade-in to argue about. Guess it can't be bad, for it was the best set on the floor."

But Turner Dial had stepped be-He had already hind the counter. formed an opinion, and was reaching for several different tubes. time he looked at those shelves filled with tubes he boiled a bit internally. He was compelled to stock up more than half a dozen different makes, and now there were so many types he could not remember them all. Of course, he did not have every kind on hand. One of America's leading tube makers listed 161 different types of receiving tubes, not to mention all the special kinds. Dial picked up his emergency kit, stuffed the tube cartons in it, and said: "I'm off. Be back soon as I can."

Ten minutes later Turner Dial drove up before a home set among the trees in the suburban section of town. He rang the bell, and Mrs. White opened the door. "Come in," she said. "My husband had to go out a few minutes, but you will find the radio in the living room."

Turner could see annoyance in her eyes. He knew now he had an indignant woman to face. It made him feel nervous, but Turner usually was that way around women, especially when they had new radios that had gone haywire for no good reason at all.

"We've had this set only a few days." began Mrs. White. "Its getting worse all the time, and last night it got so we could hardly understand it. It simply will not pick up a distant station. Mr. White got the best you had, and now it's no good!" And she snapped her thin lips together in a straight, tight line.

"Well, let me examine it," remarked Turner, as he laid open his kit and removed the portable tube checker. "I'll test the tubes." He snapped the set on. A door closed, and Turner, glancing around, saw Mr. White just entering. Mr White nodded and spoke.

"I heard you mention tubes," he begn. "I understand that new tubes came with the set, and that they were guaranteed. Did I get new tubes?"

Turner flared up a bit internally, but he took a deep breath and pulled the heavy receiver out from the wall. Peering into its interior he saw the tubes had heated, and all were revealing a filament glow to his practiced eyes. "These sets come direct from the factory fully equipped with new tubes," was all he dared venture. Perhaps it was not a tube at all, and Turner shivered inwardly. How Mrs. White would carry on if he had to



The talks studio of the Helsinki, Finland radio station. Programs from this station are now relayed on shortwaves over the new Labti stations.

take the set back to shop and work on it! Certainly, that would be embarrassing!

Now that the set was warmed, Turner tuned it to a local. But it gave forth only weak distorted sounds. Switching to the short wave bands did not help for the set appeared to be dead. The receiver definitely was out of order, but Turner felt certain the fault was in one of the tubes.

"I'll test the whole 12 tubes first, just to be sure," Turner remarked, more for the want of something to ease the tension. "If they are not

right, we'll replace 'em. This set has to performe properly, or I'll take it back. But its one of the best 1939 receivers made."

Turner quickly checked over the tube layout. The first was a type 6K7G radio frequency amplifier. Next was a type 6L7G converter, then a 6K7G intermediate frequency tube. Turner felt certain these tubes were good, since the set would be dead if they were bad. The next tube was a type 6H6G second detector and automatic volume control. Here was a possible cause of trouble. Removing the 6H6G, he placed it in the tube checker. Just as he had imagined, the hand of the meter slowly moved to the "dead" sector of the scale. "See," Turner called to the Whites, "this tube is defective. I'll put in a new one, free, of course."

"Humph!" answered Mrs. White. "And what, may I ask, is to prevent it from going dead again?"

"I don't think it will. That first tube showed up its defects after it had been in use a short time," ventured Dial. "It was something that neither the factory inspectors nor anyone could forsee without actually trying the set for a long period." Turner prayed to himself that the new tube would not fail, but he decided first to check the socket potentials. They turned out to be normal. "Just a bad tube," said Dail, "lets see how it works."

The local station that sounded so distorted and weak now came in loud and clear. Then, switching to the shortwave band, a number of stations were heard with good volume. Changing the three dials about, ama-

teurs were heard, and a few police and airplane conversations came in.

"Why!" exclaimed Mrs. White, "it never worked that well before, and we thought it was fine then." Her belligerent attitude changed as she turned to her husband: "It never sounded so lifelike before!" Mr. White nodded, and continued to listen. Then Mrs. White went into the next room. "Mary, come here!" she called.

Turner Dial was picking up his kit and contents when a new voice from behind made him quickly swing around. "Oh, Mother! How perfectly lovely it sounds!"

"This is Mr. Dial, Mary!" said Mrs. White by the way of introduction. Mary smiled and her blue eyes

sparkled.

Turner smiled back and confusedly said a few words. He was thinking that he had never seen such an attractive young lady. But the crash of a falling screwdriver as it slipped through his fingers brought him to his senses. "I feel sure that the set will work well this time," he said, as the last tool was placed in the kit. "Maybe moving the set out here did something to the tube." Turner passed through the front door, followed by Mary, and added: "Please call me if anything does not seem right in that receiver." Secretly he hoped that he would have to examine the set again, if Mary called.

Back in the store Bill Wood was trying to please half a dozen customers. So, when Turner hastened in, Wood called: "There's a fellow waiting for you back at the service bench. He's got plenty of trouble, according

to him!"

Turner glanced at the customers. Most of them seemed to be buying tubes. "Winter season and good radio reception calls for new tubes in old sets," thought Turner. That was an idea - he would make a sign like that for the window! He continued to move toward the rear of the store. "Yes, Sir?" he asked.

"Turner Dial?" questioned the waiting customer. "I've been told by several friends to look you up. My radio is giving trouble."

"What seems to be wrong?" asked Turner.

"The set," began the middle aged man, "cuts on and off suddenly, but more or less regularly. It has worked just fine all the time up to now. Even the tubes have lasted a long while, but I took them out and brought 'em along."

"Humph!" muttered Turner. "Let's those tubes." Walking over to the tube tester, which was a new model having the meter face flush in the counter top so it could be seen easily by the customers, he snapped on the switch. He inserted each tube, one at a time, and always the little hand swung to that portion of the "fair" dial between and "good." "Well," said Turner, "these tubes test up fairly well, and ought to run a while longer. Your trouble might be caused by other things. If we had the set here on the bench, we could soon find out if it has an open-circuited by-pass or coupling condenser or resistor.''

"How will I know?" asked the man. "If its just a tube I wouldn't have to bring in the set. I live out a ways from town."

"Let me tell you something about

tubes," said Turner Dial, as he leaned back on the bottom shelf. "Sometimes tubes check o. k. on a tester, yet give trouble. Your tubes are pretty old. They can be the cause of intermittant reception." Bill Wood, having dismissed his last customer, joined the "Now," continued Turner. two. Dial, "tube trouble in a set is so common that the first thing we look for is a bad tube. While an instrument test, just like I have given, is the proper thing, sometimes a replacement test works better. This is a simple test and it also permits you to try the new tubes under actual operating conditions. That's what I propose to do in your case."

"For instance," Dial continued, for he enjoyed explaining radio to really interested customers, "if there is a broken element, such as a heater filament, or even a poorly insulated cathode, the tube might fail to operate continuously after it gets hot. If the tiny filament breaks, the ends might make contact again when it cools and start the set up once more. Thus, the on-and-off operation. Then, too, the internal insulation and spacing of the elements may change when the tube gets good and hot."

"But why doesn't that show up on your test?" asked the customer. "Can't you tell when a tube is bad?"

"Yes, I guess I could," answered Turner, "if I took a long time on each tube and watched its performance carefully after it got good and hot. To test these tubes that way would take too long, and then I might not discover the trouble." Turner placed the old tubes in a row on the

counter. "Bill," he said, "go back in the shop and pick out a set of used duplicate tubes from the bins."

In a few moments Wood was back with ten used tubes. "I know these are good," said Turner. "I'll loan 'em to you to take home and put in your set. If the receiver does not cut on and off, then start replacing my tubes with yours, allowing about one-quarter of an hour or longer between each tube replacement. Sooner or later you'll find that one of your tubes brings on intermittant recep-That will be the bad tube. Come in and get a new one, and bring my tubes back at the same time. Better still, get a complete new set, for, after all, yours are pretty old. You'll be surprised at the difference new tubes will make. But, listen, Mister, if your set cut on and off with my tubes in it, you need a shop job. It won't cost much or take very long."

Turner Dial turned to his young assistant. "Well, Bill, what's been going on while I was out?"

(Please turn to page 95)



This is one of the cards used by SPW in Warsaw, Poland, to verify reception of their station. The colors are blue and black. (Courtesy of A. C. Tarr).

NIGHT LIFE OF THE RADEXERS

By CARLETON LORD

With the opening of a new radio season, thousands of DXers are making ready for their regular jaunts down the midnight air lanes. In the article which follows, new DXers will find a wealth of information, and old-timers will find a helpful hint or two, to aid them in the enjoyment of their hobby.

THE cobwebs of a past winter have been brushed away by a summer hibernation away from the dials, and each night owl anxiously awaits the first cool nights of the season. Whether the listener be an old-timer or a new disciple of DXing, he is looking forward to a harvest of new stations. Regardless of his past successes, he generally has a new goal to be reached by the following spring—and more often than not, he is successful in his quest for bigger and better DX.

During the past few years, the early-season hopes for good listening have been squelched by ominous predictions of heavy static, poor signals and the other evils attending the maximum of a sun spot cycle. In some cases the prognosticators have seen their dire forecasts come true, and many a listener has become discouraged before the season was well under way.

indication But this year every reception such we haven't enjoyed in half a decade. reported in the September issue, the sun spot cycle hit a peak in July of 1937 and has been on a real decline ever since. The marked improvement in general reception, as indicated by many listeners last season, is more than substantiated by early reports this year. Signals as a whole seem to be showing greater punch, static is lighter than usual, and many distant stations are showing to advantage. All in all, it looks as though it won't be long before an old-fashioned DX season will be with us in full force.

Listeners who have not as yet made full preparations for a winter of serious dial twisting, would do well to read over the article in the September issue which gave many tips on making the most of good reception conditions. Among the everyday problems covered were factors governing location. choice of receivers, efficient antenna installations, the noise nuisance, and the all-night broadcasters.

The October issue contained the first part of an article on tuning the foreign stations. Fundamentals of good tuning were covered in detail, and many tips were given on how, when and where to tune for stations in South America and the Antipodes. The second section of this article, with emphasis on European and Asiatic reception, appears in another section of the current issue. Old-timers may find a new kink or two, while the newer DXers should find a wealth of information on this most fascinating part of DXing.

Many new stations, both in this country and abroad, have come on the air since last season, and should afford worthwhile targets for every night owl. The latest available schedule of the monthly frequency checks, appearing elsewhere in this is-

sue, includes more than a score of new stations now on a regular schedule.

In addition to the new transmitters, there have been many changes in the broadcast spectrum. Many stations have increased their power, while others have switched frequencies, with varying effects on range and interference. All of these changes, of course, are included in the regular indices each month, so the midnight marauders will not want for authoritative information.



The Palace of Commerce at Rennes, France. This handsome building houses the radio station of the Rennes transmitter on 1040 kcs. This is one of he most frequently heard European stations.

Station News

Recent reports of a new station at Kenora, Ont., have been confirmed in the announcement that the Kenora Broadcasting Co. has been formed to manage and operate CKCA in the Hotel Kenricia in that town. Although the original license called for a power of 100 watts on 1420 kcs. it is understood that 250 watts will be used for daytime transmissions. The Canadian Marconi Co. is manufacturing the equipment and the station is expected to be on the air by the time this issue reaches the news-stands.

Following negotiations by Station KGGC (now KSAN), San Francisco, with the Western Merchandising Mart to remove the studios and transmitter to that building, plans are under way for the construction of a 300-foot tower atop the building. RCA has the contract to install complete and modern equipment. S. H. Patterson, formerly manager of KVOR, will be in charge of the new KSAN set-up.

According to Harry Honda of Los Angeles, Station XERB Rosarito Beach, B. Cfa., has been testing from 7 to 10 p. m., PST, on 1090 kcs and is no longer heard on its old frequency of 730 kcs. And Bob Vernon of Sacramento notes that the station will verify for return postage.

Stephen Mann, Lakewood, Ohio, advises that KWLK, 780 kcs, Longview, Wash.; KXOK, 1250 kcs, St. Louis, Mo.; KDNT, 1420 kcs, Denton, Texas; KFAM, 1420 kcs, St. Cloud, Minn.; and KTRI, 1420 kcs, Sioux City, Iowa are now on the air and broadcasting on regular schedules.

"I would like to correct the classification in your index which states that XERA does not verify," contributes Walter Klein, 216 Montague Place, South Orange, N. J. "Reports are verified promptly if addressed to Don Howard, Station XERA, Apartado 30, Villa Acuna, Coah., Mexico."

"Station WFAA at Dallas is erecting a new vertical radiator," supplies Leonard Woodall, R. D. 2, Plano, Texas. "It will be 654 feet high and will replace the two 300-foot towers from which the present antenna is strung. Increased signal strength is expected to extend WFAA's listening audience by at least 200,000 persons.

The new tower is triangular in shape, weighs 50 tons, and is supported by six guy wires to withstand a wind velocity of 110 miles per hour.

"Station KGKO, formerly at Wichita Falls, is now broadcasting from its new location in Fort Worth. They are using 5000 watts non-directional in the daytime and 1000 watts directed East and West at night. They broadcast from 7 to 1 a. m., EST, daily, and carry NBC Blue network programs."

"A recent letter from VOAS, St. John's, Nfld.," postcards Richard Wright, 5762 Harper Ave., Chicago, Ill., "advises that their transmitter is closed down, so you can delete them from your indices."

"At present, KWJJ, Portland, Ore., signs off at 6 a. m., EST, and comes back on the air at 9 a. m.," offers Rud Anderson, Ambrose, N. D. "During daylight saving, WMCA was signing on an hour before WNAX on 570, but this won't help Western DXers until next spring. Many DXers seem to think that KRE and KXL are 24-hour stations. Actually, although KXL used to be in this classification, it now signs off at 3 a. m., EST. KRE has been calling it a day at 4 a. m., EST, daily except Sunday mornings."

"KLPM started to use 1360 kcs on April 11th and have been putting a fair signal into Regina," writes Paul Sampson, 1820 Collge Ave., Regina, Sask. "CKBI has been granted a power increase to 1000 watts on a frequency to be announced later. CJRM is moving its transmitter from 25 miles West of Regina to a point seven miles East and two miles North of the city, where they are installing

a new 400-foot self-supporting antenna."

From Samuel A. Meyer, Jr., 83 Canterbury Rd., Rochester, N. Y., comes word of two new Guatamalan BCB stations. The first is TGQ, 1450 kcs, 200 watts power, located at Quezaltenango. Reports should be addressed to the Director of Electrical Communications at Guatamala City. The second is TGX, 1400 kcs, power unknown, Partido Liberal Progresista, Guatamala City.

"For your indices," notes Baker Young, Parma, Idaho, "here are two more stations which will verify reports for return postage: KYOS, 1040 kcs, Merced, Calif., and KVCV, 1200 kcs, Redding, Calif. KVCV, incidentally, told me that they were printing up some attractive verification cards."

Daytime Reception

From time to time readers have brought up the subject of DXing in daylight. Because of the freakish behavior of broadcast band signals during the daytime, it has been difficult to determine just how far it is possible to hear at that time.

There is no doubt but what really incredible distances are covered under unusual conditions, and reception of powerful stations as much as a thousand miles away is frequently reported. In fact, according to some reports, there are spots in Minnesota and the Dakotas where stations from coast-to-coast may be dialed during the early afternoon. But such reception is not usual and the average listener may well be satisfied when noon-time dialing brings in transmitters more than three or four hundred miles away.

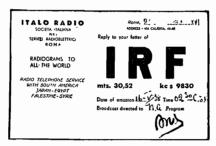
"Recently I tried to see how many stations I could hear in the daytime, submits Stephen Mann, 1281 Ramona Ave., Lakewood, Ohio. "Using a 10year-old General Motors 8 tube receiver, with an inverted-L aerial 20 feet long and 15 feet high, I logged 56 stations between 1 and 4 p. m., EST. Beginning at 550 kcs and ending up at 1510, I heard WGR, WKRC, WKBN, WCLE, CFCO. WGN, WMAQ, CFRB, WLW, CFPL, WIR, WBBM, WHAS, CBL, WKAR, WLS, WENR, WMMN, WBEN. WWI, WICA, CRCY, KDKA, CHML, CKLW, WTAM, WJJD, WHAM, WWVA. CKOC, WOWO, WTOL, WHBC, WJW, WCAE, WJAS, WXYZ, WHIO, WEXL, WADC, WSPD, WHLS, WBCM, WBNY, KQV, WHK, WMBC. WBNS, WGAR. WHIS, wwsw, WKBW, WJBK The weather was clear and CKCR. the temperature about 70°. All of the stations were loud enough to take down a complete report. Although this is not exceptional daytime reception, it shows what can be done with an old set and a small aerial."

"The other noon I tried to see how many stations I could hear," recalls A. M. Hankins, 1006 Ligonier St., Latrobe, Pa., "and scanned the dial from 540 to 1550 kcs. A total of 47 stations could be heard, although not more than half of them were very clear."

"Just a line to let you know how pleased I am with my new Model 12-S-232 Zenith receiver," proclaims George Tonison, 714 McAllister St., San Francisco, Calif. "It is the most sensitive and selective set I have ever owned. Distant stations come in on each side of all our local transmitters."

DXing with Two Tubes

"I haven't been DXing as much as I should," admits Frank Macedo, 1011 Burdette Ave., Victoria, B. C., "but the old bug seems to get me every winter and I always spend at least a month in harness. I am still using my old two-tube regenerative receiver, and I wouldn't trade it for



This IRF card is reproduced through the courtesy of J. R. Hahn.

any of the multi-tube jobs you could offer. That may sound foolish, but here is the reason:

"In 1932 I heard my first TPgood old 2YA. I thought this was the height of success, but that year brought a regular invasion of Japanese station. I verified the big 10kilowatters JOAK, JOIK, JOFK, JOHK, JOCK and JOGK; the 3000watt JOJK; and the 500-watters JOTK, JOLK, JOPK and JQAK. I also verified XGOA, being one of the first to hear it over on this side. Two other lucky catches were the 3000 watt ZBW in Hong Kong and 8WMC, a 500-watter in St. Johns, Nfld.

"One of my rare veries was from RXKR, the famous transmitter locacted on the S. S. City of Panama. Shortly afterwards, I got HHK in Santo Domingo, followed by HIX in Port au Prince; HJI, Bogota; WNEL and WKAQ in Puerto Rico; and a fine diploma from LR5. My other Argentine verie came from LR1, heard on a regular broadcast.

"Trans-Pacific stations were always fascinating, and I have spent many hours tuning the elusive Aussies and Zedders. To date, I have verified six stations in New Zealand—2Ya (then using 5000 watts), 1YA, 3YA, 4YA, 2YC and 1ZB. In Australia, I have a total of 19 veries, including 3AR, 3LO, 4QG, 4RK, 2BL, 4BC, 4BH, 6WF, 3UZ, 2CH, 7UV, 4BU, 2GF, 2LM, 4IP, 2WL, 4AY, 2KO and 4BK. Several of these were 500-watters and three—4BU, 2GF and 4IP—used but 100 watts.

"On this continent, there have been several good catches such as KFPM with 15 watts, WTRC and WEXL with 50 watts, and 100-watters from all over the Midwest and Southwest.

"All of these were heard on my two-tube receiver. Some of them were only heard once, while others pop up every once in a while. At any rate, I wouldn't part with my set for anything in the world—and I think you will agree that I have good reason."

Unsatisfactory Veries

Many DXers have been complaining in recent years that the stations are issuing verifications which are decidedly inferior in quality as well as quantity. Typical complanit is that made by J. W. Brauner, 17 E. Spring St., Williamsville, N. Y.

"The replies received today do not compare with those of a few years ago," he writes. "I find that at least two reports are required before you get any kind of a reply, and half the time that reply will be but a few words typed on a post card. Eight or ten years ago, a report usually brought a personal letter. I know that I, for one, am about ready to discontinue reporting to stations on the broadcast band. In fact, if I didn't have a large collection of Ekko stamps, and desired to keep it up to date, I would have stopped already. A verie is needed to get a stamp, so I spend hours writing out my reports (usually a full page of data), enclose a three-cent stamp, and then wait in hopes of a reply. As a typical example-in April I reported to WGAU, in May to WBRK, KWOC and KFAM, in June to WGIL, and in July to KPAB. To date, KWOC has verified with a typed post card and WGIL with a nice letter. The others have not as yet replied."

It is true that many stations today all but ignore the DXer in search of a verification. In some cases, the fault lies with the DX fraternity as a whole, because of the many listeners who persist in violating all the rules of the game. Instead of intelligent reports with an enclosure of stamps for a reply, the stations are receiving blunt demands for a verie, frequently written on post cards with no provision for return postage and containing little information which can be used by the stations. When broadcasters do not have the facilities for prompt handling of the DX mail, as is usually the case with many of



Radio station Beromunster, in Switzerland. Using 100 kilowatts, this powerful stations works on 556 kcs. and has been heard in the United States.

the small hundred-watters, the original reports are followed up by insulting letters with all manner of threats in case the verie is not forthcoming immediately. Small wonder that existing stations frequently become disgusted with the high-handed tactics of some night owls.

Furthermore, many new stations go on the air with engineers and office staff recruited from other broadcasters. If the personnel had unfavorable opinions of DXers from previous contacts, it is likely that listeners will receive small consideration from the new station. And so it is that a few unfortunate experiences with DXers at one station can sour an official to the extent that he will carry the preiudice to other broadcasters and create a definitely cool attitude.

It is really too bad that the actions of a few inconsiderate night owls can bring the whole DX fraternity into disrepute, yet such has been the case time and again. When stations become lax with their replies and even ignore DX mail, it is up to organized DXing to bend over backward in an

attempt to re-establish friendly relations. This requires missionary work of the highest caliber, one which is perhaps best suited to a special committee of a radio club.

While it is true that a typed post card is not nearly as satisfactory a verification as a personal letter on a station letterhead. DXers have no real kick. After a!! many stations must keep expenses down to a minimum and it is a real concession when they take the time and money to issue even a post card verie.

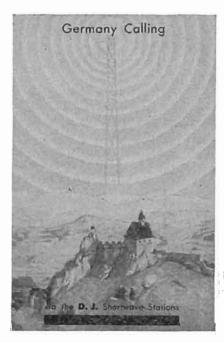
In this connection, however, it is worthwhile to suggest a bait to which not a few stations respond. The enclosure of a stamped, addressed envelope with a report frequently brings a personal letter on a letterhead, whereas mere postage would bring a card.

Gets His Veries

One listener who has had really remarkable success in verifying his catches is Joseph J. Becker, Sr., 415 S. 11th St., Hamilton, Ohio.

"It has been a long time since I wrote in to you folks," he admits, but the old Hamilton Night Owl is still in the DX game and I consider it my No. 1 hobby. I have been at the game since March of 1930 and on the broadcast band I have heard 1152 stations, of which 1148 are verified. Only KYSM, WHLS, KDNT and KXOK have reports still out, so there is a swell chance to make it one hundred per cent verified.

"I am still using my Model 318 8-tube Atwater Kent receiver, my aerial is the same inverted-L that I put up eight years ago, 90 feet long and 35 feet high.



This pretty card verifies reception of the German shortwave stations. The aerial is dark green, and the radiations light green. This picture in the foreground is in natural color—purple mountains in the distance, and green slopes surmounted by a redroofed castle. (Courtesy of J. R. Hahn).

, The new season will soon be going full tilt and I'm hoping that we DX hounds will get a break from the weather and atmospheric conditions. Can't help but wonder if any more all-nighters will come on the air during the fall and winter. They certainly drive us to distraction and I wish something could be done about them.

"About two years ago there were only 12 active BCB stations in the United States which I hadn't verified. However, since the FCC got busy and handed out so many construction per-

mits, I now need 64 stations to complete the country. Of course, some of these are not as yet on the air."

"The old fingers are starting to itch for the dials once more," observes Fred Burleigh, 142 Converse Ave., Meriden, Conn., "and it won't be long before the stations start to roll in again. Was tuning near the top of the dial at 8:12 p. m. tonight and ZNS, Nassau, was coming through R6-7."

"Well, I soon will have the old cans on my ears once more," promises John J. Oskay, R. D. 1, Box 179, Piscatawaytown, New Brunswick, N. "At present I am getting ready for the new season and will be starting right on time. I expect to have a new antenna soon—a V-type with: the apex pointing North, the lead-in taken from one leg at the South end, and a total of about 125 feet of wire. A new ground was installed recently, and I have a base plug arrangement for a plug-in aerial and ground system. I am planning to get a new receiver soon—perhaps an RCA 155 9-tube communications job. I will then have three sets in use in case of a break-down-two A. C. sets and a battery model in case the should fail some time.

"I think we are going to have an exceptionally good DX year. In June and July of this summer, there were several occasions when the West Coast stations came in very well. In the middle of August, I found one Sunday morning when DX weather was just about perfect and practically everything on the air was coming in. KFI, KNX, KSL, KOA, KFVD and KFAC were pounding in mid-winter style—the first four being R9 and the

latter two R6-7. The Mexicans have been knocking the phones off my ears and the Cubans are knocking off the locals as early as 8 p. m. Looks good to me!"

, Radexers Report

"I have just lately settled down to real DXing," advises Stanley S. Troth, Box 182, Phillips, Texas. "My first entry in the log was made on July 28th of this year, and since then I have heard 69 stations on the broadcast band. One of my best catches is XEAO at Mexicali, B. Cfa."

"At present I am attending Rensselaer Polytechnic Institute," writes Robert Koppelon, Hearne 24, Ave. B, Troy, N. Y. "I am using a fourtube Philco which isn't very selective, but is quite sensitive. An aerial 150 feet long is necessary to receive the New York stations, the three locals here not providing satisfactory daytime programs. I can receive any of the larger New York stations during the day, as well as the more powerful stations in Connecticut and Massachu-These come in with local vol-Stations such as WNEW and WINS are close behind. Stations as far West as WHO have been heard at noon, while WLW is regularly re-The best before-sundown catch so far is WAIR behind WNEW, while stations such WBRB, WJTN, WEBR, WKAV, WNBF, WMEX, WFAS, WCAM, WTNJ, CJCB, WGNY, WTHT and WIBX are heard frequently. During the evening, I can hear stations at every point on the dial. Not bad for a four-tuber!"

"I started DXing in 1936," submits Nicholas R. Evangelista, Box 96, West Hamburg, Pa., "and my log

now shows more than 600 stations heard, with 320 of them verified. Some of my better catches are KLS, KHJ, KVOD, KID, KANS, KOH, KLAH, KDLR, KWJJ and KWSC in the United States, and KGMB, KGU, LRI, JOSK, CMGE, TGW and ZNS in other countries. All of these listed catches have been verified with a sixtube 1935 Silvertone battery receiver."

"DX hasn't been so bad after all," admits Edward Hirsch, St. Albans, L. I., N. Y. "I checked over the verifications received up to date, and they number well over 40 to bring the total up to 268. The greatest thrill of the past year was to receive cards from Spain and Switzerland the same morning. Reception has been fair, with KNX, KSL, WAAB, WWL, WHO and others roaring through a terrific bombardment of static. I am looking forward to a gala season soon."

"Although I started DXing more than two years ago," offers Robert Craddock, 1207 Idylwild St., Houston, Texas, "my log is still comparatively small—only 142 stations heard and about 33 veries. Some of the best catches includes TGW, XEMO, WCAU, WBZ, KFI, KSTP, XEFO, WISV, WTIC, WIR, WBAL, KDKA, WCCO, WISN, WRVA. CKLW, WHAM and KNX. My receiver is a four-tube midget, so this record isn't so bad.

"Recently I listened for half an hour to a station which announced as KICE in Kansas City. It came in where I usually hear KXBY. Also, a friend who recently visited Houston from Oklahoma City said that there was a new station in that city, although I can find none listed. Can

you help me identify either of these?"
The station in Kansas City actually was KITE, the new call for KXBY.
We have no record of a new station in Oklahoma City.

"I have been DXing since the beginning of radio broadcasting," reminds Joseph T. Lippincott, Box 2, Tufts College, Mass. "I built simple crystal sets, and then up to threetubers, between 1920 and 1927. never verified stations then. ever, in 1935, I started listening on a five-tube set, and then in the fall I got a Hallicrafters seven-tube model on which I really started to DX. My first foreign catch was Fecamp, but I didn't try for other TA's at first. Since then, I have been more active and have learned much. My log now includes 41 TA's (most of them heard last winter), about 12 or 15 SA's, and a like number of TP's. Among the better veries are Klagenfurt, Rennes, Paris, 3YA, LRI, LR5, PRF3 and TIPG. Fifty-two of my veries are more than 2000 miles distant, while the total stands at 379 verified. Many reports are still out and I have hopes

Latin Americans Lax

for the best."

"I don't believe it best for DXers to send reports to Latin American stations," states Clifford Drain, 617 Camden St., Parkersburg, W. Va. "At best, they are unreliable. Some of them verify and they sure put grav hairs in your head. I have reports out to about thirty of them and don't expect confirmations from more than half—and that is a rather high estimate. It certainly is disappointing that stations such as HJ1ABJ and HJN failed to verify for me. They would have made new additions to a

verified log which included LR1, LR3, LR4, LR5, LR6, LS2, YV1RC, CP4, CX26, 1YA, 4YA, 2BL, KGU, KGMB, Berlin, Frankfort, Leipzig, Trieste, Turin, Milan, Bordeaux, Poste Parisien, Rennes, Radio Normandie and CT1GL."

Failure of foreign stations to verify reports undoubtedly will remain a thorn in many a DXer's side, and the Latin American stations seem to have a reputation for their disregard of letters from DXers. Apparently there is little to do about the situation, and the listener's one resort is the "try and try again" formula.

"My BCB log now stands at 802 stations heard, about 725 verified, and reports out to several," advises Jim

reports out to several," advises Jim Walker, Box 206, Romney, W. Va. "The best DX so far is the 50-watter KRKO as well as KHBC, KGU, KGMB and several Europeans. No TP's as yet! The old RCA is about worn out after four and a half years of steady DXing. Veries finally came in from WHJB, WIP, KFAB, WFBG and WLVA, but none from KSOO, WPG, WSAY or WHN."

"Some of the stations heard on my five-tube set," postcards Bob Vernon, 1125 34th St., Sacramento, Calif., "are WSB, WOR, WJR, WGN, KTHS, CJRM and KFYR."

"Heard KOH in Reno the other day to complete the list of states heard," mentions Richard Wright, 5762 Harper Ave., Chicago, Ill. "A card from WDEL leaves but two states for me to have at least one varie—Maine and Nevada."

"Since August 1st I have been doing quite well on the broadcast band," reports Leon Grossman, 52 O.K. Terrace, Rochester, N. Y. "Despite heavy static and interference, I have logged WDAF, WMC, WSPR, WBRK, KANS, XEBG, WIBW,, WEBQ, KGFJ and KGHI. This raised my total heard to 259."

"Reception here this summer has been nearly as good as in the past couple of winters," asserts John D. Chamberlain, 190 Gregory Hill Rd., Rochester, N. Y. "This makes me believe that we have a real DX season ahead of us. TGW on 1520 has been coming in quite frequently during the summer months. WSAY in this city has been using 250 watts daytime, 100 watts nights, and is now on a regular schedule until 12:30 a.m., EST, daily."

Logging Stations

DXers have used many methods in increasing their total of stations heard. They have logged everything within range during daytime hours. They have combed early-evening frequencies, roamed the midnight airlines for special DX and test programs. But a new wrinkle is brought forward by H. E. Ziegler, Jr., 2 Cedar Lane, Merion Sta., Pa., who has had no little success by concentrating on election reports from states where primaries have been run.

"The recent elections in Illinois and Arkansas have been good for several new catches," he reports. "I found several stations broadcasting late returns and have logged, among others, WDWS, KLRA and WROK in this manner. WSFA has been heard almost every night with a description of a ball game.

"Before last season started, my BCB log stood at about 200 verified. Now

it shows 470 out of the 700-odd stations in the United States, which is a pretty fair increase. My best verie to date was in the form of a beautifully engraved letter from CKTB, St. Catharines, Ont. The West Coast stations have been better than the previous year, with several such as KEX, KGER, KMO, KFPY, KGA and KHQ coming in very well."

The erection of the new station at Kenora, Ont. has commenced. It will have the call letters CKCA on 1420 kcs. Studios will be in the Hotel Kenticia.



Believing in preparedness, Lucille Wall, NBC dramatic actress on the "Your Family and M.ne" program on the NBC-Red Network, has acready selected her first Hali bat, it has the newest of high crowns and is made of homespun wool in bright red, yellow, gray and white.

Questions from Puzzled Readers

Dial Is Off

I HAVE A 116 PHILCO. WHEN THE SET IS HOT, THE DIAL IS OFF 5 POINTS, BUT THIS HAS GRADUALLY INCREASED IN 5 MONTHS UP TO ABOUT 8 POINTS. FOR INSTANCE, 15.20 NOW COMES IN AT 15.28 ON THE DIAL. A RADIO SERVICEMAN SAYS HE CAN FIX IT AT \$1.50 PER HOUR FOR SEVERAL HOURS. BUT ANOTHER MAN SAYS ITS NO USE TO ADJUST THE DIAL, AND THAT THE TROUBLE MAY CORRECT ITSELF WHEN WINTER COMES.—G. S.

Answer. We think that you are fortunate that your set has not drifted off its stated dial readings more than 8 points, for from your interpertation, it seems that the reading is just 8 kilocycles off. However, a set has no reason to leave its fixed tuning position gradually through the months unless something is wrong, either mechanically or electrially.

In some cases we might suspect the dial. All-wave dials are complicated, and the tuning is so sharp on the short waves that a very tiny slippage of the dial on its shaft will turn out to be many kilocycles off the regular tuning. Perhaps the dial set-screw is not firmly screwed in place, or the dial has become forced against the stop at the end of its movement and causes strain.

Trouble in the oscillator, or failure to "track" properly, is electrical. If this is the case, we suggest that you take the receiver to a competent service man. As to the charges made, we can not say whether they are too high, since there are often certain circumstances which govern these cases. We suggest however that you take the set

. . By THE TECHNICAL EDITOR

to the shop and have the work done there rather than in your home.

Set Fell Down

My Philco 630X was accident-ALLY PUSHED OFF A TABLE ONTO THE FLOOR. ALL THAT SEEMED NECESSARY WAS TO REPLACE THE SLOW MOTION KNOB FOR SHORT WAVE TUNING. BUT MORE RECENTLY I HAVE REPLACED THE VOLUME CONTROL WITH A NEW ONE. NOW, WHEN THE CONTROL IS SET TO THE MINIMUM POSITION THE VOLUME IN THE SPEAKER IS STILL AUDIBLE. THEN, WHEN THE CONTROL IS IN THE MAXIMUM POSITION THE VOLUME FROM THE SPEAKER IS NOT NEARLY AS LOUD AS IT USED TO BE. The speaker cone was also re-PLACED RECENTLY.—H. G. F.

Answer. It appears that the severe jolt this set received when it fell either damaged or bent some part or opened a circuit. This could be in the volume control circuit. Since you replaced the control it is assumed that the proper value was used. A Yaxley TRP608 control of 1 megohm tapped at 200,000 ohms is suitable if you cannot get a factory replacement easily. One terminal must be grounded to the chassis.

Damage to the speaker cone would not account for the control not silencing the set entirely when on the minimum position, and it looks as if your new replacement was not of sufficient resistance. We suggest that this be examined by a competent serviceman who can check all the voltages at the tube sockets, speaker and control. If damage has been done to a transformer or the speaker it will be

indicated, but if damage was done to the tuning circuits such would be noticed at once in the tuning of the set.

Shortwave Adapter

I AM INTERESTED IN OBTAINING INFORMATION ABOUT THE FLEWELLING SHORT WAVE ADAPTER, AND HOPE YOU CAN GIVE ME DATA ABOUT IT AND HOW IT IS USED. IF YOU CAN SUPPLY THE CIRCUIT, IT WILL BE APPRECIATED.—R. W.

Answer. The Flewelling short-wave adapter, like most of those earlier types, consists of a small short-wave receiver.

Shortwave adapters are seldom used today. If a person owns a broadcast receiver having only the one dial and band, the short waves can be picked up more satisfactorily by means of the short-wave converter. This is a short-wave receiver, too, like the adapter, but it has an additional oscillator tube so that the high frequencies of the short waves can be heterodyned with the oscillator and reduced in frequency to some wave length that falls within the tuning range of the broadcast set. Frequently this output frequency of the converter is approximately 600 kcs. We regret that we do not have specific data on the Flewelling circuit and adapter. Information about short-wave converters can be found in these columns in preceding issues.

Charging Storage Cells

WE HAVE A 250 VOLT DIRECT CURRENT LINE AT OUR PLACE AND I WOULD LIKE TO KNOW HOW TO CHARGE STORAGE BATTERIES FROM IT. IF YOU CAN TELL ME IT WILL BE A BIG HELP.—B. J.

Answer. Charging storage batteries from high voltage direct current lines is a relatively simple matter. Of course, a storage battery, as usually assembled in three cells, has a potential of 6 volts. If this were connected to the 250-volt line, it would be almost a dead circuit, and must not be done. Now, the charging current for a storage battery can vary between 1 and 5 amperes an hour, the lower rate require, many more hours for charging. A 100-ampere battery will require about 100 hours or more to charge it fully.

We suggest that you obtain sulficient light bulbs so that when in series the total 250 volts, or you can procure a 250-volt bulb from the larger electrical supply houses. these bulbs equal 250 watts that means they will pass a current of one ampere. Connect the bulb in series with the storage battery, and when the power is turned on a current of one ampere will pass through the battery to reach the lamps. If more current is needed to charge the battery, then you must connect a second set of similar lights in parallel to the first lamps, and this will double the amperage flowing through the circuit. Be sure the positive and negative terminals of the lighting circuit are attached to the same posts of the storage battery.

Set Plays Without Tube

I HAVE A MIDWEST RADIO WITH 18 TUBES. I CANNOT GET A SOUND ON THE ULTRA SHORT WAVE BAND, AND WHEN I LEAVE A TUBE OUT OF IT THE SET PLAYS JUST THE SAME AS IF THE TUBE WAS IN THE PROPER PLACE. WHAT PART DOES THIS SERVE IN THIS RADIO AND IS IT NECESSARY?—M. P.

Answer. You have failed mention the function of the tube which you have removed, but in this set there are four power tubes, two pairs in push-pull. If one of the parallel pair is removed it will have little effect on the performance of the set unless great volume is being used on high notes. The purpose of the pair in parallel is to double the currentcarrying capacity to the speaker. Many sets now use this arrangement in order to get high fidelity and perfect reproduction at great volume. It is very likely that you have removed one of these tubes.

The fact that the set does not respond to the ultra short waves does not mean that the receiver is failing properly to work. The very short wave bands are erratic, and it frequently is difficult to pick up signals. If you are concerned with the 5-meter band and lower, it is useless to try it unless some transmitting station is near by. As a rule, these very short waves travel in straight lines, and have the same range as the human vision, but there have been some strange exceptions. We do not, however, expect very much on the very short waves on ordinary radio sets. On the 10-meter and higher bands, of course, your receiver should prove quite effective. The lack of signals on the 10 and 20 meter bands, and other slightly higher, may be due to the failure of the oscillator tube to generate frequencies high enough to bring in these signals. Try a new oscillator tube. Other than that, expert examination of the coils and tuning will be in order.

Television

CAN YOU TELL ME SOMETHING

ABOUT TELEVISION APPARATUS WHICH TRANSMITS SOUND TO A PERSON AND ALSO REFLECTS WHAT A PERSON SEES? I WANT TO KNOW IF THE BEAM IS PLACED ON THE INDIVIDUAL AT A DISTANT POINT SO THE PERSON CAN SEE HIM. THIS IS NEEDED FOR SOME EXPERIMENTAL WORK I WISH TO DO.—E. O. E.

Answer. So much is being done on television at the present time that in order to go into it one would need to write a book. We suggest, therefore, that you inform yourself of what has been published and make a study of these texts for your guidance. However, we think the best publication you can get just now, which covers recent developments, is the book "Television," published by the RCA Institutes Technical Press, 75 Varick Street, New York, N. Y. It is in two parts, No. 1 and 2, and perhaps part 3 is soon forthcoming. Inquiry to the above address will bring you information about costs.

Rebuilding Old Set

I HAVE A GENERAL MOTORS MODEL 140A RECEIVER WHICH I WISH TO REPAIR OR REBUILD INTO A SUPER-HETERODYNE SET. IT NOW HAS A TERRIFIC HOWLING AND THE VOLUME CAN NOT BE TURNED UP ON ANY DISTANT STATION. WITH LOW VOLUME LOCALS CAN BE HEARD BUT WHEN TRYING TO GET DISTANCE IT STARTS OSCILLATING. WHERE CAN I GET A DIAGRAM OF THIS CIRCUIT?—A. T. S.

Answer. In the first place we suggest that you forget the idea of rebuilding this set into a modern superheterodyne. It would be difficult, require many replacement parts, and

still give certain troubles. It would not be worth the labor and expense. However, the set could be put into first class condition so it can be used as it is.

Oscillation or howling in these sets has been characteristic. Perhaps if you were to install a 25,000 ohm resistor, small size, between screen lead or socket contact of the third radio-frequency tube and the this oscillation would be checked. Bad contacts, of course, always start noise in these sets. Look for dirty or imperfect contacts in the rotating unit of the condenser-gang. Tight, clean contacts are urgently necessary. Look for loose screws and fastening in and around the tuning Clean all parts. condenser gang. Check all joints and re-solder any that may seem worn or loose. the poor control of volume it might be well to replace one or all type 24 tubes in the r-f stages with the more efficient type 35, providing, of course, that the volume control is good. You can replace this control with a new "Yaxley", type DRP309, which is a dual control, carbon type, having 12,000 ohms in one section and 65,-000 ohms in the second section. Sometimes, an entire new set of resistors in a noisy set has effected a cure. We are sorry, but a circuit diagram of this receiver is not available, and the present address of the "Day-Fan" makers is unknown.

Crescentyne Radio

I HAVE A CRESCENTYNE RADIO THAT WAS VERY EXPENSIVE WHEN ORIGINALLY PURCHASED. CAN YOU SEND ME A WIRING DIAGRAM SO IT CAN BE OVERHAULED AND PUT BACK INTO THE SHAPE IT USED TO BE? IF

YOU CAN GIVE ANY ADVICE ABOUT REPAIRING THIS SET, IT WILL BE WELCOMED.—W. M.

Answer. You might try writing the Crescent Radio Mfg. Co., 3026 32nd Avenue S, Minneapolis, Minn. This is the only record we can find of the makers of a set with name similar to yours. Years ago there were many manufactures of radios in local areas, and data records of their products did not reach the files of radio associations. Therefore, we are unable to furnish you with a circuit diagram. If the set is as good as it appears, a good cleaning and testing of the voltages on the tube sockets to discover whether defects exist in the transformers, tubes, coils, resistors and condensers, will get it in shape to have a new alignment and adjustment made by a competent service man.

Power Consumption

I WOULD LIKE TO KNOW THE POWER CONSUMPTION OF MY VICTOR R52 RECEIVER. I BELIEVE THAT THE POWER OUTPUT IS ABOUT 3.2 WATTS, BUT AM NOT SURE.—C. E. S.

Answer. This receiver has ten tubes; six of which are 26s, one is a 27, two are 45s, and one is a type 80 rectifier. The power needed to operate these tubes at normal consumption is actually 28 watts. In addition, each tube, in its plate circuit, consumes a certain number of watts. These added together give us about 12 watts, and this includes an output in the power or audio circuit of about 3 watts. Altogether, we have about 40 watts. Losses, due to inefficiency of transformers, heat dissipation from resistors, tubes, etc., will

(Please turn to page 42)

Across The EDITOR'S DESK

TN response to popular demand, we ■ are listing, in this issue, all the broadcating stations of the world. This is a departure from our usual custom of indexing the stations of only one continent each month, but we believe that this complete directory will prove even more useful than the continental rostors. While the list shows only those stations which use one kilowatt or more of power, we do not believe its value has been lessened by the omission of the smaller stations. All the smaller stations are shown, or will be shown, in the continental lists.

Although the foreign broadcasting station index this month is world-wide in scope, the acent in November is on Europe. Articles by Mr. Lord and Count de Veries point out the Europeans which are most likely to be heard, and give pointers on how to hear and identify some of them. All of our readers who are provided with a radio set in good condition, and a decent aerial, should hear at least one overseas broadcaster during this season if Mr. Lord's instructions are carefully followed. Readers who missed our October issue should be sure to get one, and read Count de Veries column, which explains in great detail, the major points of the Art of Tuning.

Return Postage Bureau °

From a monetary standpoint, we believe that DXing is the least expensive cf an incobies. Nevertheless, for some DXers at least, the cost of verifying stations is a considerable item when one invests in 5 cents for foreign postage, and 9 cents for an International Reply Coupon, for each confirmation requested. For this reason, the Return Postage Bureau was formed, to save radio fans as much as possible on their

postage bills.

The Bureau offers unused postage stamps from many of the foreign countries, at prices but slightly above the face value. These postage stamps can be sent, instead of International Reply Coupons, when requesting verifications. The prices are shown below:

3 cents each: Canada, Cuba, Domini-

can Republic, Mexico.

4 cents each: Belgium, Chile, England, Irish Free State, Northern Ireland, Switzerland, Peru.

5 cents each: Antigua, Barbados, Colombia, Costa Rica, Netherland, East Indies, Egypt, Haiti, Jamaica, Newfoundland, Philip-Panama, pines, San Salvador, Trinidad, Uru-

6 cents each: Australia, British Hon-British Guiana, Algeria, French Morocco, France, Denmark, New Zealand, Poland, Roumania, India, Bahamas, Northern Rhodesia, Bermuda, Southern Rhodesia, Argentina.

7 cents each: Union of South Africa. South West Africa, Sweden.

The Bureau will pay the postage on orders in excess of 50 cents. Their address is the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J.

Radio Clubs

Radio Clubs are invited to send us information about special programs which they arrange in advance. This information will be printed, and fully credited to the proper clubs, in our DX Calendar. Data on special programs can be included in our calendar up to the tenth of the month preceding date of publication. That is, information for the December issue can be used if



Station KWG of Stockton, Calif. uses this card to verify reception of their station. KWG transmits on 1200 kcs., and employs 100 watts of power. (Card by courtesy of A. C. Tarr).

received by November 10th, which is the date on which our December issue will go to press.

Going to press on the tenth of the month, and in the mail on the 20th, RADEX is only ten days in the hands of the printers and binders. This, compared with thirty days for most magazines, makes RADEX the first with the news, every month.

Television

Talk about television comes in cycles, like the sun spots. When the National Broadcasting Company ceased their experimental transmissions, thoughts of television ebbed away and we almost forgot there was such a thing. But now, with the NBC resuming their regular experimental broadcasts from the Empire State Building, and the announcement of a new television set, comes further word of a new invention by Vladimir Zworykin, an invention which promises to do away with the need for the expensive coaxial cables, now necessary for transmission of picture over large areas. This new development, it is reported, allows the transmission of ultra-high

frequencie over distances beyond the range of normal vision; at the present time it is not considered possible to transmit television beyond twenty-five or thirty miles, or about as far as a person can see from a high point, such as a mountain top, or a tall building.

International Communications

A Division of International Communications has been formed, as a part of the State Department. This Division will have the task, among other things, of drafting treaties with foreign nations on aviation, shipping, radio, movies, telegraphs, telephones and cables. We naturally have cause to wonder how much this new division is going to effect the Federal Communications Commission, particularly as regards international broadcasting. We hope that the present short wave set-up in this country will be allowed to remain unchanged.

Keeping Awake

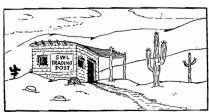
How do you keep awake when tuning for elusive DX in the wee hours of the morning? Some of us drink coffee—lots of coffee—in our endeavor to keep our eyes open between station announcements. Some DXers read, others write letters, and some are lucky enough to hear a parade of new stations that is interesting enough to make them forget about sleep. If you have any "pet" scheme for staying awake while the DX is dull, we should like to hear about it.

Thanks

For photographs used in RADEX this month, we thank the following contributors:

Jerry Hahn, A. C. Tarr, Landessender Beromunster, Radio Rennes, Arthur M. Hankins, Ray Sahlbach, Amando Cespedes Marin, Reichssender Frankfort, Station WGY, and the Helsinki radio station.

Everyone who submits a photograph which is used receives a free copy of the issue in which the picture appears, or if he is a subscriber, his subscription is extended an additional copy.



Sobeleski, 406 N. Second Minersville, Pa. (SWL cards).

J. I. Vaught, Box 1424, New Orleans, La. (SWL) cards).

Merton M. Hiatt, Box 7, Dryden, Wash. (SWL cards).

Jack Wells, 1000 14th St., Phoenix City, Ala. (Exchange cards and newspapers with foreign listeners).

Joseph J. Becker, Sr., 415 S. 11th St., Hamilton, Ohio (SWL cards).

Ivan Witty, 18 Park St., Lynn, Mass. (SWL cards).

Wm. Gillman, 717 Melvin Ave., Cuyahoga Falls, Ohio (SWL cards).

Roy DeMent, Box 206, Plainview, Texas (SWL cards).

David Hill, 1516 Varnum St., N. W., Washington, D. C. (SWL cards).

Gordon Myles, Court House, Water St., Kenora, Ont. (correspondence).

George Poulain, 67 Mt. Pleasant St., Sydney, N. S., Canada (SWL cards).

Champlain, 7 Washington Denison Ave., Westerly, R. I. (correspondence).

Kenneth F. Murphy, 3 Harvey St., St. Johnsburg, Vt. (correspondence).

Amateur Calls Heard

The names and addresses of persons reporting stations shown in this list are indicated by small letters following the callsigns. Key to the small letters is given at the end of the column. Stations are listed only if reported by more than one listener.

TEN METERS

TEN METERS

CO2KL (u); G2KU (u); G6BW (u); HI7G (ru); HR5C (r); K4EJF (r); K4ENT (u); K4FAB (r); K4EMG (g); K4EMG (g); LVIDJ (ru); LU4AD (r); T12FG (r); T13AV (u); VK2GU (r); YN3DG (ru); YV1AP (ru); YV5ABY (u);

TWENTY METERS

CN1AF (bgsu); CN8AM (nur); CN8MU (nst); CO2HS (fgl); CO2LY (bf); CO2WM (efu); CO6OM (fk; CO7VP (fgu); 608BC (fu); CA2AK (fs); EA9AH (bcou); E12L (cglrstu); E16G (fgm); FA3HC (st); F3DI (st); F3LW (pt); F3MF (ns); F3OX (stu); F8UE (bnst), GM6RC (bmr); GM6RD (ru); GM8MN (bcmr); GM8RG (lm); GM5TJ (mu); G2AF (mru); G2TR (grt); G2UT (aru); G2XV (ptu); G3BM (br); G3FA (mru); G5BJ (efmru); G5BM (afgmu); G5NI (jmp); G5ON (ptu); G6BW (bu); G6GF (bm); G8CL (bm); GBIX (bru); GBUJ (gru);

HC1FG (kpru); HC1JW (adu); HC1PZ (fu); HC2HP (crs); HH2PB (pr); HH4AS (su); HH5PA (bfpru); HI3N (fbru); HI5X (fbpru); HT9C (eft); KA1MG (ad); KA2OV (ast); K4FAY (ru); K6FKN (su); G6GAS (acq); K6MTE (ast); LU4BC (dmru); LU4BC (dmru); CN4NW (nstu); ON4VK (pst); PAOMZ (bglm); PY6CK (rsu); PY5AQ (ur).

SV1KE (rt); TG5 (grn); TG9AA (fr); SV1KE (rt); TG5C (grn); TG9AA (fr); SV1KE (rt); TG5 (grn)

(ur).

SVIKE (rt); TG5 (gru); TG9AA (fr);
TI2AV (dgr); TI2IR (gbu); TI2RC (apu);
TI2AV (pru); VE5ACN (dq); VE5KC (dq);
VE5VP (dq); VK2ABD (ak); VK2AGU (dns);
VK2BQ (adk); VK2NS (defjrtu); VK2VV
(etu); VK3EH (as); VK3WA (adn); VK4JV
(fsu); VK4JU (ads); VK4WD (aefst); VP1BA
(gmr); VP7NS (su); VP9R (fp); VR6AY
(dfjit); XE1CQ (fu); XE1GE (adf); XE1GF
(dg); VJ3AA (cti); VP6FO (fnsu); VP6YB
(ru); XE1GK (du); XE1LK (adh); XE1Q
(cfqru); XE2IK (fru); YV1AP (kpr); YV1AP
(kpr); YV1AQ (bdbu); YV4AB (pr); YV1AP
(fu); YV5ABA (su); YV5ABQ (ru); YV5ABY
(mru); ZS1AK (ast); ZS5AW (as); ZS5BZ
(ast)

THE REPORTERS

(a) Elwin H. Covey, Route 2, Box 3540-A, Napa, Calif. (b) Robert Davidson, 187 Woodside Ave.,

Newark, N. J.

John B. Ewing, 8 Clinton Ave., Montclair, (c) N. J.

- (d) C. J. Fern, Jr., Lihue, Kauai, Hawaii
- (e) Sam Graham, Panhandle, Texas
- (f) A. N. Hankins, 1006 Ligonier St., Latrobe, Pa.
- (g) Robert Hatcher, 3221 Fifth Ave., Richmond, Va.
- (b) Lewis R. Hill, 2138 S. 16th Ave., Maywood, Ill.
- (i) J. Herbert Hyde, Elmwood, Conn.
- (j) E. A. Knoff, 412 Monroe Ave., N. E., Canton, Ohio
- (k) Stanley B. LaRue, 309 So. Bedford Drive, Beverly Hills, Calif.
- (1) Kenneth Morey, 14 Lawndale St., Easthampton, Mass.
- (m) F. J. Morris, 18 Firstbrook Road, Toronto, Ont.
- (n) Geo. Nahas, 147 Seeley St., Brooklyn, N. Y.
- (o) William Scott, 313 W. Halston Ave., Johnson City, Tenn.
- (p) Leo Sobeleski, 406 N. 2nd St., Minersville, Pa.
- (q) Stanley S. Troth, Box 182, Phillips, Texas
- (r) Walter E. Welch, 46 Parkland Ave., Lynn, Mass.
- (s) Jack Welsh, Kingston, Ill.
- (t) Jack Wells, 100—14th St., Phoenix City, Ala.
- (#) Cyrus Will, 651 Brier St., Kenilworth, Ill.



WGY's new building at Schenectady, N. Y. Built in the modernistic style, with decorations in chromium, it is one of Schenectady's most attractive buildings.

Hollywood Studios

The ultra-modern studios of the National Broadcasting Company in

Hollywood opened on October 17. This building is the final link in a chain of new NBC studios stretching from coast to coast. The new building replaces studios on Melrose Avenue which were outgrown in three years.

The new headquarters is a classical modern structure standing at Sunset and Vine. It is three stories high, and eight individual studies comprise this Hollywood Radio City. Because of its flowing lines and ethereal green exterior, it has been called Hollywood's most distinctive biulding. The green color was chosen, after months of research, because it represented a perfect transition between the green of the surrounding lawns and shrubbery, and the tropical blue of the California sky.

Turkey in November

The new Turkish shortwave station is heard with ease in England, we learn from D. H. Dussek of Alton, Hants., who has heard many of their experimental broadcasts. "Radio Ankara," as it is called, with the call letters TAO, is expected to begin regular transmissions during the first week in November. It will have a power of twenty kilowatts, and will operate on one of three frequencies—the frequencies used during the tests being 15180, 14770, and 9670 kcs. TAQ has been heard in English with an R8 signal, at 4 to 7 am, EST. There is a woman announcer who uses several European languages for identification, but appears to use only Turkish during the test transmissions. Programs have consisted of recordings.

Mr. Dussek also reports a new Soviet station, RWG on 14720 kcs.

The Monthly Frequency Checks

| TOR th | e purpo | se of | checking the fre- | 3:40-3:55 | WAYX | 1200 | Waycross, Ga. |
|------------------------|-----------------|-----------------------|--|------------------------|--------------|-----------------------|---|
| - quen | cies of s | mall s | stations which can- | 3:45-4:00 | WBLY WDNC | 1210 1 5 00 | Lima, Ohio Durham, N. C. |
| not be h | eard sat | istact | orily on their reg- s, the Federal Com- | 3:50-4:05 | WPAY WAIR | 1370 1250 | Portsmouth, Ohio Winston-Salem, N. C. |
| | | | on requires month- | | WMBC | 1420 | Detroit, Mich. Poplar Bluff, Mo. |
| | | | sts from a selected | 3:55-4:10 | KWOC WALR | 1310 1210 | Poplar Bluff, Mo. Zanesville, Ohio |
| group of | stations | . Fol | lowing is the latest | | WMFR | 1200 | High Point, N. C. |
| available | schedu | le of | f the test trans- | 4:00-4:15 | WHBB WKRC | 1500 550 | Selma, Ala. |
| missions. | | time | is am., Eastern | 4:05-4:20 | WFAM | 1420 | Cincinnati, Ohio St. Cloud, Minn. |
| Standard. | | | | 4:10-4:25 | WCLE KALB | 610 1210 | Cleveland, Ohio Alexandria, La. |
| | The Se | cond | Monday | | WLBC | 1310 | Muncie, Ind. |
| 3:00-3:15 | WABY | 1370 | Albany, N. Y. Springfield, Mass. | 4:15-4:30 | KELD WOPI | 1370 1500 | El Dorado, Ark. Bristol, Tenn. |
| 3:05-3:20 3:10-3:25 | WMAS WCAX | 1420 1200 | Springfield, Mass. | | WWAE | 1200 | Hammond, Ind. |
| 3:15-3:30 | WRDO | 1370 | Burlington, Vt. Augusta, Maine Presque Isle, Maine St. Albans, Vt. Plattsburg, N. V. | 4:20-4:35 | WACO WBCM | $\frac{1420}{1410}$ | Waco, Tex. |
| 3:20-3:35 3:30-3:45 | WAGM WQDM | 1420 1390 | Presque Isle, Maine | 4:25-4:40 | KXYZ | 1 44 0 | Bay City, Mich. Houston, Tex. Ashland, Ky. |
| 3:35-3:50 | WMFF | 1310 | St. Albans, Vt. Plattsburg, N. Y. | | WCMI WSIX | 1310 1210 | Ashland, Ky. Nashville, Tenn. |
| 3:45-4:00 3:50-4:05 | WCAD WLNH | 1220 1310 | Canton, Ohio Laconia, N. H. Utica, N. Y. Woodside, N. Y. Auburn, N. Y. Denton, Texas | 4:30-4:45 | KGKL | 1370 | San Angelo, Tex. |
| 3:55-4:10 | WIBX | 1200 | Utica, N. Y. | | WHBY | 1200 | San Angelo, Tex. Green Bay, Wisc. Kosciusko, Miss. |
| 4:00-4:15 4:05-4:20 | WWRL WMBO | 1500 1310 | Woodside, N. Y. | 4:35-4:50 | WHEF KCMC | 1500 1420 | Texarkana, Tex. |
| 4:10-4:25 | KDNT | 1420 | Denton, Texas | | WHK | 1390 | Texarkana, Tex. Cleveland, Ohio |
| 4.15 4.20 | WBRB | 1210 | Red Dank, IV. J. | 4:40-4:55 | WSGN KRGV | 1310 1260 | Birmingham, Ala. Weslaco, Tex. |
| 4:15-4:30 4:20-4:35 | KPAB KVOX | 1500 1310 | Laredo, Texas Moorhead, Minn. | | WADC | 1320 | Akron, Ohio |
| 4:25-4:40 | \mathbf{KFPW} | 1210 | Moorhead, Minn. Fort Smith, Ark. St. Paul, Minn. Palestine, Tex. | 4:45-5:00 | KTOK WJBK | 1370 1500 | Oklahoma City, Okla. |
| 4:30-4:45 4:35-4:50 | WMIN KNET | 1370 1 4 20 | St. Paul, Minn. | 4:50-5:05 | KĞFF | 1420 | Detroit, Mich. Shawnee, Okla. |
| 4:40-4:55 | WBBZ | 1200 | Ponca City, Okla. | 4:55-5:10 5:00-5:15 | KFVS KMAC | 1210 1370 | Cape Girardeau, Mo. San Antonio, Tex. |
| 4:45-5:00 4:50-5:05 | WFGO KRBC | 1370 1420 | Boone, Iowa Abilene, Tex. | 5:05-5:20 | KAND | 1310 | Corsicana, Tex. Carlsbad, N. Mex. |
| 4:55-5:10 | KGHI | 1200 | Little Rock, Ark. | 5:10-5:25 5:15-5:30 | KLAH KIUP | 1210 1370 | Carlsbad, N. Mex. Durango, Colo. |
| 5:00-5:15 5:05-5:20 | KTEM KABR | 1370 1390 | Temple, Tex. | 5:20-5:35 | KFXR | 1310 | Okla. City, Okla. |
| 5:10-5:25 | KGEK | 1200 | Aberdeen, S. Dak. Sterling, Colo. | 5:25-5:40 | KDLR | 1210 | Devils Lake, N. Dak. |
| 5:15-5:30 5:20-5:35 | KFJZ WMBH | 1370 1420 | Fort Worth, Tex. | 5:30-5:45 5:35-5:50 | KICA KGMB | 1370 1320 | Clovis, N. Mex. Honolulu, T. H. |
| 5:25-5:40 | WIL | 1200 | Joplin, Mo. St. Louis, Mo. | 5:40-5:55 | KBTM | 1200 | Jonesboro, Ark. |
| 5:30-5:45 | WOC | 1370 | Davenport, Iowa | 5:45-6:00 6:05-6:20 | KRMC KORE | 1370 1 4 20 | Jamestown, N. Dak. Eugene, Ore. |
| 5:35-5:50 5:40-5:55 | KABC Kada | 1420 1200 | San Antonio, Tex. Ada, Okla. | 6:10-6:25 | KOOS | 1200 | Marshfield, Ore. |
| 5:45-6:00 | KLUF | 1370 | Galveston, Tex. Hilo, T. H. | 6:15-6:30 6:20-6:35 | KAST KPQ | 1370 1500 | Astoria, Ore. Wentachee, Wash. |
| 5:55-6:10 6:00-6:15 | KHBC KRE | 1400 1370 | Hilo, T. H. Berkeley, Calif. | 6:25-6:40 | KFXD | 1200 | Nampa, Idaho Walla Walla, Wash. |
| 6:05-6:20 | KXO | 1500 | El Centre, Calif. | 6:30-6:45 6:35-6:50 | KUJ Krnr | 1370 1500 | Walla Walla, Wash. Roseburg, Ore. |
| 6:10-6:25 6:15-6:30 | KWG KERN | 1200 1370 | Stockton, Calif. | 6:40-6:45 | KVOS | 1200 | Bellingham, Wash. |
| 6:20-6:35 | KUMA | 1420 | Bakersfield, Calif. Yuma, Ariz. | 6:45-7:00 | KEEN | 1370 | Seattle, Wash. |
| 6:25-6:40 | KVCV | 1200 | Redding, Calif. Oakland, Calif. | 6:50-7:05 6:55-7:10 | KMED KWLK | 1410 780 | Medford, Ore. Longview, Wash. |
| 6:30-6:45 6:35-6:50 | KLS KYOS | 1280 1040 | Merced, Calif. | 7:00-7:15 | KRKO | 1370 | Longview, Wash. Everett, Wash. |
| 6:40-6:55 | KSUN | 1200 | Lowell, Ariz. | 2.00.2.16 | | | Wednesday |
| 6:45-7:00 6:50-7:05 | KGDM KIEM | 1100 1450 | Stockton, Calif. Eureka, Calif. | 3:00-3:15 3:05-3:20 | WTEL WNBF | 1310 1500 | Philadelphia, Pa. Binghamton, N. Y. Lynchburg, Va. Grove City, Pa. Pittsburgh, Pa. |
| 6:55-7:10 | KVEC | 1200 | San Luis Obispo, Cal. | 3:10-3:25 | WLVA | 1200 | Lynchburg, Va. |
| 7:00-7:15 | KARM | 1310 | Fresno, Calif. | 3:15-3:30 3:20-3:35 | WSAJ WWSW | 1310 1500 | Grove City, Pa. |
| 7:05-7:20 | KGLU | 1420 | Safford, Ariz. | 3:25-3:40 | WBAX | 1210 | Wilkes-Barre, Pa. |
| 3:00-3:15 | WSJS | 1310 | Tuesday Winston-Salem, N. C. | 3:30-3:45 3:35-3:50 | WHAT WRTD | 1310 1500 | |
| 3:05-3:20 | WMFJ | 1420 | Daytona Beach, Fla. | 3:40-3:55 | WBBL | 1210 | Richmond, Va. |
| 3:10-3:25 3:15-3:30 | WAIM WMFD | 1200 1370 | Anderson, S. C. | 3:45-4:00 | WBNY | 1370 | Buffalo, N. Y. |
| 3:20-3:35 | WEED | 1420 | Wilmington, N. C. Rocky Mt., N. C. West Palm Beach, Fla. | 3:50-4:05 | KWEW WHIS | 1500 1410 | Bluefield. W. Va. |
| 3:25-3:40 | WINC | 1200 | West Palm Beach, Fla. | 3:55-4:10 | WKOK | 1210 | Richmond, Va. Richmond, Va. Richmond, Va. Buffalo, N. Y. Hobbs, N. Mex. Bluefield, W. Va. Sunbury, Pa. Altoona, Pa. |
| 3:30-3:45 3:35-3:50 | WRDW WICA | 1500 940 | Augusta, Ga. Ashtabula, Ohio | 4:00-4:15 4:05-4:20 | WFBG KRIC | 1310 1420 | Altoona, Pa. Beaumont, Tex. |
| | WIOD | 610 | Miami, Fla. | | WGIL | 1500 | Beaumont, Tex. Galesburg, Ill. |

| | WQAN | 880 | Scranton, Pa. | | WGRC | 1370 | New Albany, Ind. |
|---|--|---|---|--|--|---|--|
| 4:10-4:25 | KŴNO | 1200 | Winona, Minn. | 4:50-5:05 | KOTN | 1500F | ine Bluff Ark |
| | WHDL | 1400 | Olean, N. Y. | 4:55-5:10 | WEW | 760 S | Pine Bluff, Ark. t. Louis, Mo. |
| 4:15-4:30 | KRIS | 1330 | Corpus Christi, Tex. | | WJMS | 1420 | Ironwood, Mich. |
| | WEBR | 1310 | Buffalo, N. Y. | 5:00-5:15 | KĞHF | 1320 | Pueblo, Colo. |
| | WIBM | 1370 | Jackson, Mich. | | WHDF | 1370 | Calumet, Mich. |
| 4:20-4:35 | KBST | 1500 | Big Spring, Tex. | 5:05-5:20 | KGFI | 1500 | Brownsville, Tex. |
| | WPAR | 1420 | Parkersburg, W. Va. | | WTRC | 1310 | Elkhart, Ind. |
| 4:25-4:40 | KSO | 1430 | Des Moines, Iowa | 5:10-5:25 | KHBG | 1210 | Okmulgee, Okla. |
| | WCLO | 1200 | Janesville, Wis. | 5:15-5:30 | KONO | 1370 | San Antonio Tev |
| 4:30-4:45 | KROC | 1310 | Rochester, Minn. | 5:20-5:35 | KGKB | 1500 | San Antonio, Tex. Tyler, Tex. Elk City, Okla. Longview, Tex. |
| | WEOA | 1370 | Evansville, Ind. | 5:25-5:40 | KASA | 1210 | File City Okla |
| 4:35-4:50 | KDAL | 1500 | Duluth, Minn. | 5:30-5:45 | KFRO | 1370 | Longwiew Tow |
| | WELL | 1420 | Battle Creek, Mich. | 5:35-5:50 | KNOW | 1500 | Austin Ton |
| 4:40-4:55 | WHBC | 1200 | Canton, Ohio | 5:40-5:55 | WMFG | 1210 | Austin, Tex. |
| | WTAW | 1120 | Canton, Ohio College Sta., Tex. | 5:45-6:00 | KRLH | 1420 | Hibbing, Minn. Midland, Tex. |
| 4:45-5:00 | KRMD | 1310 | Shreveport, La. | 5:50-6:06 | KCRJ | 1310 | Vidiand, 1ex. |
| | WSAU | 1370 | Shreveport, La. Wausau, Wis. Brady, Tex. | 5:55-6:10 | KIUL | 1210 | Jerome, Ariz. |
| 4:50-5:05 | KNEL | 1500 | Brady Tex | 7.77-0.10 | KVOA | 1260 | Garden City, Kans. |
| ,. ,, | WLAP | 1420 | Lexington, Ky. | 6:06-6:20 | KHUB | 1310 | Tucson, Ariz. |
| 4:55-5:10 | KFDM | 560 | Beaumont, Tex. | 6:10-6:25 | KSAN | | Watsonville, Calif. |
| ,,,, | WFAM | 1200 | South Bend, Ind. | 6:15-6:30 | KCAD | 1420 | San Francisco, Calif. |
| 5:00-5:15 | KPDN | 1310 | Pampa, Tex. | 6:20-6:35 | KGAR | 1370 | Tucson, Ariz. |
| ,.00 ,.1) | WHLS | 1370 | Port Huron, Mich. | 6:25-6:40 | KSRO | 1310 | Santa Rosa, Calif. |
| 5:05-5:20 | KPLT | 1500 | Paris, Tex. | 6:30-6:45 | KTRB | 740 | Modesto, Calif. |
| 5:05-5:20 | WCBS | 1420 | Springfield, Ill. | | KJBS | 1070 | San Francisco, Calif. |
| 5:10-5:25 | KGKO | 570 | Forth Worth Tox | 6:35-6:50 | KSUB | 1310 | Cedar City, Utah Monterey, Calif. Honolulu, T. H. |
| | KFPL | 1310 | Forth Worth, Tex. | 6:40-6:55 | KDON | 1210 | Monterey, Calif. |
| 5:15-5:30 | WDWS | | Dublin, Tex. | 6:45-7:00 | KGU | 750 | Honolulu, T. H. |
| 5.20 5.25 | KAWM | 1370 | Champaign, Ill. | 6:50-7:05 | KHSL | 1260 | Chico, Calif. |
| 5:20-5:35 | | 1500 | Gallup, New Mex. | 6:55-7:10 | KROY | 1210 | Sacramento, Calif. |
| E.25 E.40 | WPAD | 1420 | Paducah, Ky. Mason City, Iowa Bloomington, Ills. | | The S | Secon | d Friday |
| 5:25-5:40 | KGLO | 1210 | Mason City, Iowa | 3:00-3:15 | wsvs | 1370 | |
| e.20 e.4e | WJBC | 1200 | Charman Tarr | 3:05-3:20 | WIAC | 1310 | Buffalo, N. Y. |
| 5:30-5:45 | KRRV | 1310 | Sherman, Tex. | 3:10-3:25 | WJAC WJTN | | Johnstown, Pa. |
| | WGL | 1370 | Fort Wayne, Ind. | 3:1513:30 | WBLK | 1210 | Jamestown, N. Y. |
| 5:35-5:50 | KGKY | 1500 | Scottsblun, INCD. | 3:20-3:35 | WLEU | 1370 | Clarksburg, W. Va. |
| 5:40-5:55 | WIBU | 1210 | Poynette, Wis. | | WLLU | 1420 | Erie, Pa. |
| | | | | 3.75-3.40 | | | A-1 TO 1 37 - |
| 5:45-6:00 | KRBA | 1310 | Fort Wayne, Ind. Scottsbluff, Neb. Poynette, Wis. Lufkin, Tex. | 3:25-3:40 | WCAP | 1280 | Asbury Park, N. J. |
| 5:45-6:00 | | | | | WSAY | 1210 | Nochester, N. Y. |
| | The Se | cond | Thursday | 3:25-3:40 3:30-3:45 | WSAY WDEV | 1210 550 | Waberbury, Vt. |
| 3:00-3:15 | The Se | cond 1500 | Thursday Miami Beach, Fla. | 3:30-3:45 | WSAY WDEV WGH | 1210 550 1310 | Waberbury, Vt. |
| 3:00-3:15 3:05-5:20 | The Se WKAT WJRD | 1500 1200 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. | | WSAY WDEV WGH WCNW | 1210 550 1310 1500 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 | The Se WKAT WJRD WSOC | 1500 1200 1210 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. | 3:30-3:45 3:35-3:50 | WSAY WDEV WGH WCNW WMBS | 1210 550 1310 1500 1420 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 | The Se WKAT WJRD WSOC WAML | 1500 1200 1210 1310 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. | 3:30-3:45 | WSAY WDEV WGH WCNW WMBS WFAS | 1210 550 1310 1500 1420 1210 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 | The Se WKAT WJRD WSOC WAML WPRA | 1500 1200 1210 1310 1370 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. | 3:30-3:45 3:35-3:50 3:40-3:55 | WSAY WDEV WGH WCNW WMBS WFAS WMBG | 1210 550 1310 1500 1420 1210 1350 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 | The Se WKAT WJRD WSOC WAML WPRA WPAX | 1500 1200 1210 1310 1370 1210 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. | 3:30-3:45 3:35-3:50 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO | 1210 550 1310 1500 1420 1210 1350 1430 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM | 1500 1200 1210 1310 1370 1210 560 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW | 1210 550 1310 1500 1420 1210 1350 1430 1310 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP | 1500 1200 1210 1310 1370 1210 560 1420 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. | 3:30-3:45 3:35-3:50 3:40-3:55 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS | 1210 550 1310 1500 1420 1210 1350 1430 1310 1370 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia. Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC | 1500 1200 1210 1310 1370 1210 560 1420 1200 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB | 1210 550 1310 1500 1420 1210 1350 1430 1310 1370 1500 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia. Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 | The Se WKATT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ | 1500 1200 1210 1310 1370 1210 560 1420 1200 1240 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ | 1210 550 1310 1500 1420 1210 1350 1430 1310 1370 1500 1290 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia. Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG | 1500 1200 1210 1310 1370 1210 560 1420 1200 1240 1440 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR | 1210 550 1310 1500 1420 1210 1350 1430 1310 1370 1500 1290 570 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY | 1500 1200 1210 1310 1370 1210 560 1420 1200 1240 1440 1210 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 | WSAY WDEV WCH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGF | 1500 1200 1210 1310 1370 1210 560 1420 1240 1240 1240 1210 1370 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 | WSAY WDEY WGH WCNW WMBS WFAS WOKO WRAW WDAS WSYB WNBZ WSYR WBE WBTM | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 1370 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGF KPLC | 1500 1200 1210 1310 1370 1210 560 1420 1240 1240 1240 1210 1370 1500 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala Lake Chalres, La. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNI.C | 1210 550 1310 1500 1420 1210 1350 1430 1310 1500 1290 570 1310 1370 1500 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | The Se WKAT WJRD WSOC WAMI WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGF KPLC WFDF | 1500 1200 1210 1310 1310 1370 1210 560 1420 1240 1240 1240 1370 1500 1310 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNLC WGBB | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 1370 1500 1210 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WBIG KPLC WFOY WAGF KPLC WFORM | 1500 1200 1210 1310 1370 1210 560 1420 1240 1240 1240 1370 1500 1310 1210 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 | WSAY WDEV WGH WCNW WBS WFAS WOKO WRAW WDAS WSYR WNBZ WSYR WBRE WBTM WNLC WGBB WHEC | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 1500 1500 1500 1430 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGF KPLC WFDF WGRM WSPD | 1500 1200 1210 1310 1370 1210 560 1420 1240 1240 1240 1210 1370 1500 1310 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNLC WGBB WHEC WAZL | 1210 550 1310 1500 1420 1210 1350 1430 1500 1290 570 1310 1370 1500 1240 1430 1420 | Waberbury, Vt. Wewport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WFOY WAGP KKAP WFDF WGRM WSPOY WCOP | 1500 1200 1210 1310 1370 1210 560 1420 1240 1440 1210 1370 1500 1310 1310 1320 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBTM WNIC WGBB WHEC WAZI WTHT | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 1370 1500 1210 1430 1420 1200 | Waberbury, Vt. Wewport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 4:00-4:15 4:05-4:20 4:10-4:25 | The Se WKAT WKAT WSOC WAMI WPAA WPAA WPAX WQAM WPAP WFTC WKAQ WBIG WFOY KPLC WFDF WGRM WSPD WCOP | 1500 1200 1210 1310 1370 1210 560 1420 1240 1440 1210 1370 1500 1310 1210 1340 1370 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBS WSYP WBTM WNLC WGBB WHEC WAZL WTHT | 1210 550 1310 1420 1210 1430 1310 1370 1500 570 1310 1370 1500 1290 1500 1210 1430 1420 1200 1500 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 | The Se WKAT WJRD WSOC WAML WPAA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGF WFDF WGRM WSPD WCOP WHTO | 1500 1200 1210 1310 1370 1210 560 1420 1200 1240 1240 1210 1370 1500 1310 1210 1340 1220 1340 1220 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala Fond du Lac, Wis. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 | WSAY WDEY WGH WCNW WMBS WFAS WMBO WOKO WRAW WDAS WSYB WNBZ WSYB WNBZ WBRE WBTM WNLC WGBB WHEC WGBB WHEC WAZL WTHT WMAK | 1210 550 1310 1500 1420 1210 1350 1430 1370 1500 1290 570 1310 1370 1430 1420 1200 1500 1370 | Waberbury, Vt. Wewport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 4:10-4:25 4:10-4:25 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPRP WFTC WKAQ WFOY WAGF KFOY WGRM WSPD WCOP WMFO KFIZ WKEU | 1500 1200 1210 1310 1370 1210 560 1420 1200 1240 1210 1370 1500 1310 1210 1340 1200 1370 1420 1430 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBTM WNIC WGBB WHEC WAZI WHEC | 1210 550 1310 1500 1420 1210 1350 1430 1500 1290 570 1310 1370 1500 1210 1430 1420 1200 1300 1370 1500 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 4:00-4:15 4:05-4:20 4:10-4:25 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPAY WFTC WKAG WFOY WAGF KPLC WFDF WGRM WSPD WCOP WMFOO KFIZ WKEU WGBF | 1500 1200 1210 1310 1370 1210 1420 1220 1240 1240 1210 1370 1500 1310 1210 1370 1210 1370 140 1370 140 1370 140 1370 140 1370 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 | WSAY WDEV WGH WCNW WMBS WFAS WFMS WFMS WOKO WRAW WDAS WSYB WNBS WSYB WNBS WSYR WBTM WNIC WGBB WHEC WAZI WTHT WMBQ WRAK N — RA | 1210 550 1310 1500 1420 1210 1350 1430 1500 1290 1500 1370 1210 1430 1420 1200 1500 1 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 | The Se WKAT WJRD WSOC WAML WPAA WPAX WQAM WPTC WKAQ WFOY WAGF KPLC WFDF WGFM WSPD WCOP WMFO WKEU WGEM | 1500 1200 1210 1310 1310 1310 1210 560 1420 1240 1440 1210 1370 1500 1310 1210 1340 1210 1370 1420 1500 630 1210 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNLC WGBB WHECL WTHT WMBQ WRAK N — RA WBOW | 1210 550 1310 1500 1420 1350 1430 1370 1500 1290 1370 1370 1370 1420 1420 1420 1500 1500 1420 1200 1500 1500 1500 1210 1210 1220 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:00-4:15 4:05-4:20 4:10-4:25 4:10-4:25 | The Se WKAT WJRD WSOC WAMI WPRA WPAA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY KPLC WFDF KPLC WFDF WGRM WSPD WMFO KFIZ WKEU WGBF WGCM KFYO | 1500 1200 1210 1310 1310 1310 1310 1210 560 1420 1240 1440 1310 1500 1310 1210 1370 1420 1370 1310 1210 1300 1310 1310 1310 1310 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNLC WGBB WHECL WTHT WMBQ WRAK N — RA WBOW | 1210 550 1310 1500 1420 1210 1350 1310 1370 1500 1290 1500 1210 1420 1200 1500 1200 1500 1210 1420 1500 1210 1420 1500 1220 1200 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 | The Se WKAT WJRD WSOC WAML WPAA WPAX WQAM WPAY WFTC WKAQ WBIG WFOY KAPLC WFDF WGCM WSPD WCOP WGEF WGCM KFIZ WGEM KFYO WGCM KFYO WAVE | 1500 1200 1210 1310 1310 1310 1210 1210 12 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 | WSAY WDEV WGH WCNW WMBS WFAS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYB WNBZ WSYR WBRE WHTM WNLC WGBB WHAT WHAT WHAT WHAT WHAT WHAT WHAT WHAT | 1210 550 1310 1500 1420 1210 1350 1430 1310 1370 1500 1370 1370 1420 1420 1500 1430 1420 1500 1430 1420 1500 1430 1420 1500 1430 1420 1430 1420 1430 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAML WPAX WQAM WPAX WQAP WFTC WKAQ WFOY WAGP KPLC WFDF WGFM WSPD WCOP WMFO WKEU WGEM KFYO WAVE WFOR | 1500 1200 1210 1310 1310 1310 1210 560 1420 1200 1240 1440 1210 1370 1310 1210 1370 1340 1310 1310 1310 1310 1310 1310 131 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WNLC WGBB WHECL WTHT WMBQ WRAK N — RA WBOW WGNY WJBL KATE | 1210 550 1310 1500 1420 1310 1310 1370 1500 1290 570 1310 1370 1210 1430 1210 1430 1500 1200 1500 1200 1310 1500 1200 1310 13 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 | The Se WKAT WKAT WSOC WAMI WPRA WPAA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY WAGY WFOL WFDF WGCM WSPD WCOPO KFIZ WKEU WGBF WGCM KFY | 1500 1200 1200 1200 1310 1370 1420 1310 1310 1200 1300 1300 1200 1200 12 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 | WSAY WDEV WGH WCNW WMBS WMBG WOKO WRAW WDAS WSYB WNSYR WSYR WSYR WBTM WNLC WGBE WSYR WBTM WNLC WGBE WGBE WHE WHE WHE WHE WHE WHE WHE WHE WHE WH | 1210 1500 1210 1210 1210 1350 1310 1310 1310 1290 570 1310 1310 1310 1310 1310 1310 1310 13 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAML WPAA WPAX WQAM WPAY WFTC WKAQ WBIG WFOY WAFOY | 1500 1200 1210 1310 1210 1310 1210 1210 1420 1200 1240 1240 1370 1370 1340 1210 1340 1210 1370 1210 1340 1210 1370 1420 1420 1420 1420 1420 1420 1420 142 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 | WSAY WDEV WGH WCNW WMBS WFAS WMBS WFAS WOKO WRAW WOAS WSYB WNBZ WSBO WNAZ WTAT WMBO WRAK N — RA WBOW WGNY WJBL KATE WKBB KARK | 1210 1500 1210 1210 1210 1310 1310 1310 1310 13 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAML WPRA WPAX WQAM WPAY WFTC WKAQ WFOY WAGF KFLC WFDF WGRM WSPD WCOP WMFO WKFU WGEU WGBF KFYO WAVE WFOR KFYO WAVE WFOR KFYO WHMS WFOR KFYO WAVE WFOR KFYO WHMS WHMS | 1500 1200 1200 1200 1210 1310 1210 1210 12 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 | WSAY WDEV WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBZ WSYR WBRE WBTM WHCC WGBB WHEC WGBB WHEC WGBB KARK WJBL KATK WJBL KATK WJBL KATK WJBL KATK WJSR | 1210 1500 1310 1420 1210 1350 1310 1310 1370 1290 1290 1290 1210 1210 1210 1200 1210 1200 1210 1 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 3:50-4:05 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WKOC WAMI WSOC WAMI WPAA WPAA WPAX WQAM WPAY WFIC WFDF WFIC WFDF WGCM WFOY WAGF KPLC WFDF WGCM KFIZ WKEU WGBF WGCM KFIZ WKEU WFOR KFIM WMPS WTMPS WTMP | 1500 1200 1210 1310 1210 1310 1210 1370 1210 1420 1440 1440 1210 1370 1370 1310 1200 1310 1420 1420 1430 1440 1440 1440 1440 1440 1440 144 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Bvansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. E. St. Louis, Ills. Mandan, N. Dak. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBS WSYR WSYR WBTM WNILC WGBB WHDAS WSYR WBTM WNILC WGBB WAZI WTHI WMBO WRAK N — RA WBOW WGNY WBONY WBONY WHO WKATE WKABK WJIM WEXI WHLB | 1210 1500 1210 1210 1350 1310 1350 1310 1370 1390 1390 1390 1210 1370 1210 1200 1210 1200 1210 1200 1210 1 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAML WPAA WPAX WQAM WPRY WFIC WKAG WFOY WAGG WFOY WAGG WFOY WAGG WFOY WAGG WFOY WAGG WFOY WAGG WFOY WSPD WCOP WFOR KFIZ WKEU WGBF WGCM KFYOE WFOR KFIM WMPS WTMV KGCU KGCU | 1500 1200 1200 1200 1210 1310 1420 1200 1240 1310 1300 1240 1210 1370 1310 1310 1210 1370 1310 1210 1370 1310 1310 1310 1310 1310 1310 13 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. E. St. Louis, Ills. Mandan, N. Dak. Pittsburgh, Pa. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 | WSAY WDEV WGH WCNW WMBS WFAS WMBS WFAS WMBC WOKO WRAW WDAS WSYB WNBZ WSYB WNBZ WSYR WBRE WBTH WHIL WTHT WAZL WTHT WGBB WHEC WGBB WHEC WGRB WHEC WGRB WHAK N — RA WBOW WGNY WJBL KATE WKBB KARK WHOM WEXL WHILL WHI | 1210 1500 1310 1420 1210 1350 1310 1310 1310 1310 1290 1290 1210 1210 1200 1210 1200 1210 1200 1210 1200 1210 1210 1210 1210 1200 1210 1 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Rochester, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, lowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. Virginia, Minn. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:40 3:30-3:45 3:35-3:50 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAMI WPRA WPAA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY KPLC WFDF KPLC WFDF WGRM WSPD WMFO KFIZ WGBF WGCM KFYO WAVE WFOR KFYO WAVE WFOR KFYM WMPS WTMV KGCU KQV WBHP | 1500 1210 1210 1210 1310 1210 1310 1210 12 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. E. St. Louis, Ills. Mandan, N. Dak. Pittsburgh, Pa. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 4:45-5:00 4:50-5:05 | WSAY WDEY WGH WCNW WMBS WFAS WMBG WOKO WRAW WDAS WSYB WNBS WSYR WSYR WSYR WSYR WSYR WSYR WSYR WSY | 1210 1500 1310 1420 1210 1350 1310 1310 1290 570 1290 1210 1210 1210 1210 1200 1210 1200 1210 1200 1210 1210 1210 1210 1210 1370 1210 1210 1210 1210 1210 1210 1210 12 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. Virginia, Minn. Pecos, Tex. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:35 3:25-3:40 3:30-3:45 3:35-3:50 3:40-3:53 3:45-4:00 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAMI WPRA WPAX WQAM WPAX WQAM WPRA WFTC WKAG WFOY WAGF WFUC WFDF WGCM WSPD WCOP WGSP WGCM KFYO WGBF WGCM KFYO WGBF WGCM KFYO WGBF WGCM WFOR KFYO WAVE WFOR KFYO WAVE WFOR KFYO WAVE WFOR KFYO WAVE WFOR KFYO WGW WBHPS WTWV KGCU KQV WBHPS WTWV KGCU KQV WBHPS WTWV KGCU KQV WBHPS WGW WBHPS WTWV KGCU KQV WBHPS WGW WBHPS WGW WBHPS WTWV KGCU | 1500 1200 1210 1310 1210 1310 1210 1370 1210 1420 1420 1440 1440 1370 1310 130 1410 1310 1410 1410 1410 1410 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Evansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. E. St. Louis, Ills. Mandan, N. Dak. Pittsburgh, Pa. Huntsville, Ala. Jefferson City, Mo. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 4:45-5:00 4:50-5:05 | WSAY WDEV WGH WCNW WMBS WFAS WFAS WMBG WOKO WRAW WDAS WSYB WNBS WSYB WNBYR WBRE WSYR WBRE WTHT WMBQ WRAK N — RA WBOW WGNY WJIM WEAL WHLB KIUN WOMI KFJB | 1210 1500 1210 1210 1210 1310 1310 1310 1310 13 | Waberbury, Vt. Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. Virginia, Minn. Pecos, Tex. Owensboro, Ky. |
| 3:00-3:15 3:05-5:20 3:10-3:25 3:15-3:30 3:20-3:40 3:30-3:45 3:35-3:50 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 4:25-4:40 4:30-4:45 | The Se WKAT WJRD WSOC WAMI WPRA WPAA WPAX WQAM WPRP WFTC WKAQ WBIG WFOY KPLC WFDF KPLC WFDF WGRM WSPD WMFO KFIZ WGBF WGCM KFYO WAVE WFOR KFYO WAVE WFOR KFYM WMPS WTMV KGCU KQV WBHP | 1500 1210 1210 1210 1310 1210 1310 1210 12 | Thursday Miami Beach, Fla. Tuscaloosa, Ala. Charlotte, N. C. Laurel, Miss. Mayaguez, P. R. Thomasville, Ga. Miami, Fla. Ponce, P. R. Kinston, N. C. San Juan, P. R. Greensboro, N. C. St. Augustine, Fla. Dothan, Ala. Lake Chalres, La. Flint, Mich. Grenada, Miss. Toledo, Ohio Cincinnati, Ohio Decatur, Ala. Fond du Lac, Wis. Griffin, Ga. Bvansville, Ind. Miss. City, Miss. Lubbock, Tex. Louisville, Ky. Hattiesburg, Miss. Grand Forks, N. Dk. Memphis, Tenn. E. St. Louis, Ills. Mandan, N. Dak. | 3:30-3:45 3:35-3:50 3:40-3:55 3:45-4:00 3:50-4:05 3:55-4:10 4:00-4:15 4:05-4:20 4:10-4:25 4:15-4:30 4:20-4:35 NINETEE 4:25-4:40 4:30-4:45 4:35-4:50 4:40-4:55 4:45-5:00 4:50-5:05 | WSAY WDEV WGH WCNW WMBS WFAS WMBS WFAS WMBC WOKO WRAW WDAS WSYB WNBZ WSYB WNBZ WSYR WBRE WBTH WHIL WTHT WAZL WTHT WGBB WHEC WGBB WHEC WGRB WHEC WGRB WHAK N — RA WBOW WGNY WJBL KATE WKBB KARK WHOM WEXL WHILL WHI | 1210 1500 1310 1420 1210 1350 1310 1310 1290 570 1290 1210 1210 1210 1210 1200 1210 1200 1210 1200 1210 1210 1210 1210 1210 1370 1210 1210 1210 1210 1210 1210 1210 12 | Waberbury, Vt. Newport News, Va. Brooklyn, N. Y. Uniontown, Pa. White Plains, N. Y. Richmond, Va. Albany, N. Y. Reading, Pa. Philadelphia, Pa. Rutland, Vt. Saranac Lake, N. Y. Syracuse, N. Y. Wilkes-Barre, Pa. Danville, Va. New London, Conn. Freeport, N. Y. Hazelton, Pa. Hartford, Conn. Brooklyn, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Williamsport, Pa. Terre Haute, Ind. Newburgh, N. Y. Decatur, Ills. Albert Lea, Minn. Dubuque, Iowa Little Rock, Ark. Lansing, Mich. Royal Oak, Mich. Virginia, Minn. Pecos, Tex. |

WBEO

1310 Marquette, Mich.

| | WBEO | 1310 | Marquette, Mich. |
|---|------------------------------|-------|---|
| 5:05-5:20 | KGIW | 1420 | Alamosa, Colo. |
| | WKBV | 1500 | Richmond, Ind. |
| 5:10-5:25 | KGDE | 1200 | |
| | WHBF | 1210 | D1 - T-1 1 - T11- |
| 5:15-5:30 | KGFL | 1370 | Roswell, N. Mex. |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | WEMP | 1310 | Fergus Falls, Minn. Rock Island, Ills. Roswell, N. Mex. Milwaukee, Wis. |
| 5.20 5.25 | KEUB | | ITIII WAUKCC, WIS. |
| 5:20-5:35 | | 1420 | |
| 5:25-5:40 | WCAT | 1200 | Rapid City, S. Dak. |
| | WEBQ | 1210 | Harrisburg, Ills. |
| 5:30-5:45 | KWYÒ | 1370 | Rapid City, S. Dak. Harrisburg, Ills. Sheridan, Wyo. |
| 5:35-5:50 | KIDW | 1420 | Lamar, Colo. |
| 5:40-5:55 | KFXJ | 1200 | Lamar, Colo. Grand Junction, Colo. |
| 5:45-6:00 | KGBX | 1230 | Springfield, Mo. |
| 5:50-6:05 | KRQA | 1310 | Santa Fe, N. Mex. El Paso, Texas |
| 5:35-5:30 | KTSM | 1310 | El Daco Tevas |
| 5:55-6:10 | KOKO | 1370 | La Junta, Colo. |
| 7.77-0.10 | KOKO | 15/0 | La Junta, Colo. |
| | The Se | beand | Saturday |
| | | | |
| 3:30-3:45 | WTOL | 1200 | Toledo, Ohio |
| 3:35-3:50 | WKBZ | 1500 | Muskegon, Mich. |
| 3:40-3:55 | WIW | 1210 | Akron, Ohio |
| 3:45-4:00 | WBNS | 1430 | Columbus, Ohio |
| 3:50-4:05 | WGAR | 1450 | Cleveland, Ohio |
| 3.70-4.07 | | | Cleveland, Ohio Florence, S. C. |
| | WOLS | 1200 | Florence, S. C. |
| 3:55-4:10 | WCOL | 1210 | Columbus, Ohio |
| | WLAK | 1310 | Lakeland, Fla. |
| 4:00-4:15 | WCAZ | 1070 | Carthage, Ills. |
| | WQBC | 1360 | Vicksburg, Miss. |
| 4:05-4:20 | WJBO | 1120 | Baton Rouge, La. |
| | WŠMK | 1380 | Dayton, Ohio |
| 4:10-4:25 | WOMT | 1210 | Manitowoc, Wis. |
| 1.10 1.2) | WTAL | 1310 | Tallahassee, Fla. |
| 4:15-4:33 | WNEL | 1290 | Tallahassee, Fla. Sun Juan, P. R. |
| 4.17-4.55 | WOSU | 570 | Columbus, Ohio |
| 4.20 4.25 | WOSC | | Sun Juan, P. R. Columbus, Ohio Tuscola, Ills. Muscle Shoals, Ale |
| 4:20-4:35 | WDZ | 1020 | Tuscola, Ills. Muscle Shoals, Ala. |
| | WMSD WGTM | 1420 | Muscle shoars, ma. |
| 4:25-4:40 | WGIM | 1310 | Wilson, N. C. |
| | WHBU | 1210 | Anderson, Ind. Kansas City, Mo. |
| 4:30-4:45 | KCMO | 1370 | Kansas City, Mo. |
| | wjbw | 1200 | New Orleans, La. |
| | WJBW WKBN | 570 | Kansas City, Mo. New Orleans, La. Youngstown, Ohio |
| 5:35-4:50 | WGPC | 1420 | Albany, Ga. |
| ,,,,, | WNAD | 1010 | Norman, Okla. |
| | WXYZ | 1240 | Detroit Mich |
| 4.40 4.55 | WNAD WXYZ KOVC | 1500 | Albany, Ga. Norman, Okla. Detroit, Mich. Valley City, N. Dak. Springfield, Ills. Lackson, Tenn. |
| 4:40-4:55 | MOVC. | | Valley City, N. Dak. Springfield, Ills. |
| | WTAX · WTJS KLCN | 1210 | Springneia, Ilis. |
| | WTJS | 1310 | |
| 4:45-5:00 | KLCN | 1290 | Blytheville, Ark. |
| | WMBR | 1370 | lacksonville, Fla. |
| | WMPC | 1200 | Jacksonville, Fla. Lapeer, Mich. |
| 4:50-5:05 | KGCA | 1270 | Lapeer, Mich. Decorah, Iowa. Kilgore, Tex. Lafayette, La. |
| 4:55-5:10 | KOCA | 1210 | Kilgore, Tex. |
| 4.77-7.10 | KVOI | 1310 | Lafayette, La. |
| 5:00-5:15 | KVOL KBIX | 1500 | |
| 7.00-7.17 | WBNO | 1200 | Muskogee, Okia. New Orleans, La. Port Arthur, Texas Memphis, Tenn. |
| | WDINO | | Don't Asthus Tayes |
| 5:05-5:20 | KPAC | 1260 | Manakia Tana |
| | WHBQ | 1370 | Port Arthur, Texas Memphis, Tenn. Wichita, Kans. |
| 5:10-5:25 | KANS | 1210 | wichita, Kans. |
| | WROL | 1310 | Knoxville, Tenn. |
| 5:15-5:30 | KMLB | 1200 | Montoe, La. |
| | KTRH | 1290 | Houston, Texas Minot, N. D. |
| 5:20-5:35 | | 1360 | Minot, N. D. |
| 5:25-5:40 | KVSO | 1210 | Ardmore, Okla. |
| 5:25-5:40 | KW/IC | 1270 | Decorah, Iowa |
| 5:30-5:45 | LATON. | 1310 | El Paso, Texas |
| 5:35-5:50 | V I DIM | | El Paso, Texas |
| 5:40-5:55 | KVSO KWLC KTSM KWTN | 1210 | Watertown, S. D. |
| 5:45-6:00 | WLB | 760 | Watertown, S. D. Minneapolis, Minn. Rapid City, S. D. Helena, Mont. Yakima. Wash. |
| 5:50-6:05 | KOBH | 1370 | Rapid City, S. D. |
| 5:55-6:10 | KPFA | 1210 | Helena, Mont. |
| 6:00-6:15 | KPFA KIT_ | 1250 | Yakima, Wash. |
| 6:05-6:20 | KGBU | 900 | Ketchikan, Alaska |
| | KFJI | 1210 | Ketchikan, Alaska Klamath Falls, Ore. |
| 6:10-6:25 | KGEZ | 1310 | Kalispell, Mont. |
| 6:15-6:30 | KGEZ. | 1210 | ranspen, mone. |
| | | | |

| 6:25-6:40 | KGY | 1210 | Olympia, Wash. |
|-----------|------|------|-------------------|
| 6:30-6:45 | KXŔO | 1310 | Aberdeen, Wash. |
| 6:35-6:50 | KGCX | 1450 | Wolf Point, Mont. |
| 6:40-6:55 | KFIO | 1120 | Spokane, Wash. |
| 6:45-7:00 | KINY | 1430 | Juneau, Alaska |
| 6:50-7:05 | KFQD | 780 | Anchorage, Alaska |
| 6:55-7:10 | KRĽC | 1390 | Lewistown, Idaho |

SCRAPBOOK

(Continued from page 8) cation, although important, are not the only essentials for successful overseas dialing. In the hands of the skilled listener, an ancient t.r.f. or regenerative receiver will show results comparable to those recorded by modern, multi-tube super-dreadnaught.

And in the last analysis, the listener with the biggest total of foreign veries frequently is the one who has had to work hardest to overcome deficiencies of equipment and location, and so has developed his tuning abil-

ity to a high degree.

(To Be Concluded)

QUESTIONS

(Continued from page 35)

amount to 50 percent or more. total power consumption, then, will be approximately 60 watts or more. Your guess as to the audio output in watts is very close.

Change To Batteries

Is it practicable to change a SCOTT 10 RECEIVER OVER SO THAT IT CAN BE USED WITH BATTERIES IN A PLACE WHERE LIGHTING ELECTRICITY AVAILABLE? ARE THERE NOT ANY TUBES THAT CAN BE SUBSTI-TUTED FOR THE 24s, 45s AND 27s IN THIS SET?-F. M. L.

Answer. Any set, of course, can be changed over for battery operation. However, the work involved is considerable and the change in character-

(Continued on page 51)

CLASSIFIED INDEX TO CHAIN PROGRAMS

| , | |
|--|--|
| WC indicates West Coast programs. | 11:30, Ray Noble, CBS (WC) |
| • | Sat, 7:00, Saturday Night Swing Club, CBS |
| Comedy | 7:30, Harry Sosnik, CCBS 8:00, Russ Morgan, CBS |
| Cup 5120 pm Taw Tabe CRC | 9:00, America Dances, Red |
| Sun, 5:30 pm, Lew Lehr, CBS | 9:40 Citis Haenschen CRS |
| 6:30 pm, Billy House, CBS 11 pm, Lew Lehr, CBS (WC) | 10:00, Hit Parade, CBS 11:00, Harry Sosnik, CBS (WC) |
| Mon, 7:30, Eddie Cantor, CBS | 11.00, Harry Sosnik, CBS (WC) |
| 8:00, Henry Youngman, CBS | Dialog |
| 10:30, Eddie Cantor, CBS (WC) Tues, 8:30, Parkyakarus, CBS | 0 - 0 00 T1 D 00 U 00 - |
| 12:00 Parkyakarkus CBS (WC) | Sun, 8:00, Edgar Bergen, Charlie McCarthy, Red |
| Thur, 7:30, Joe Penner, CBS 9:00, Forank Morggn, Fannie Brice, Red | 8:00. Strond Twins. Red |
| 10:00, Bob Burns, Red | Mon, 7:00, Amos 'n' Andy, Red 7:15, Lum and Abner, CBS 8:30, Pick and Pat, CBS |
| Fri, 7:30, Jack Haley, CBS | 7:15, Lum and Abner, CBS |
| Sat, 7:30, Joe E. Brown, CBS | 8:30, Pick and Pat, CBS |
| 11:00, Joe E. Brown, CBS (WC) | 11:00, Amos 'n' Andy, Red (WC) 11:15, Lum and Abner, CBS (WC) |
| Consorts | 11:30, Pick and Pat, CBS (WC) |
| Concerts | Tues, 7:00, Easy Aces, Blue |
| Sun, 12:30, Radio City Music Hall, Red | 7:00, Amos 'n Andy, Red |
| Sun, 12:30, Radio City Music Hall, Red 3:00, N. Y. Philharmonic, CBS 9:00, Ford Sunday Evening Hour, CBS | 9:30, Fibber McGee and Molly, Red |
| 9:00, Ford Sunday Evening Hour, CBS | 11:00, Amos n Andy, Red (WC) Wed, 7:00, Amos 'n' Andy, Red |
| Mon, 8:30, Alfred Wallenstein, Red Fri, 8:00, Frank Black, Red | 7:00. Easy Aces Blue |
| III, 0.00, Ilana Diaca, acc | 7:15, Lum and Abner, CBS |
| Dance Bands | 7:15, Lum and Abner, CBS 11:00, Amos 'n' Andy, Red (WC) 11:15, Lum and Abner, CBS (WC) |
| | |
| Sun, 5:30, Ben Bernie, CBS | Thur, 7:00, Amos 'n' Andy, Red |
| 6:30, Carl Hohengarten, CBS 7:00, Harry Salter, Red | 7:00, Easy Aces, Blue 11:00, Amos 'n' Andy, Red (WC) Fri, 7:00, Amos 'n' Andy, Red 7:15, Lum and Abner, CBS 8:30, Burns and Allen, CBS |
| 7:30, Oscar Bradley, CBS | Fri, 7:00, Amos 'n' Andy, Red |
| 8:00, Robert Armbruster, Red | 7:15, Lum and Abner, CBS |
| 9:00, Don Donie, Red | 11:00 Amos 'n' Andr Pod (WC) |
| 9:30, Gus Haenschen, Red 10:00, Horace Heidt, Red | 11:00, Amos 'n' Andy, Red (WC) 11:15, Lum and Abner, CBS (WC) |
| 11.00 Des Dessis CDC (WC) | 11:30, Burns and Allen, CBS (WC) |
| 11:30, Harry Salter, Red (WC) | - |
| Mon, 8:00, Richard Himber, CBS | Drama |
| 8:00, B. A. Kolfe, Red | Sun, 6:00, Siler Theater, CBS |
| 9:30. Eddie Duchin. Red | Sun, 6:00, Siler Theater, CBS 6:30, Tale of Today, Red 8:00, Orson Welles, CBS 9:45, Irene Rich, Blue 10:30, "Win Your Lady" (Jim Ameche), |
| 10.00, Guy Lombardo, CDS | 8:00, Orson Welles, CBS |
| 10:30, B. A. Rolfe, Red (WC) | 9:45, Irene Rich, Blue |
| 11:30, Benny Kreuger, CBS (WC) Tues, 8:00, Russ Morgan, Red | Blue (Jim Ameche), |
| Tues, 8:00, Russ Morgan, Red 8:30, Lud Gluskin, CBS | 11:15, Irene Rich, Blue (WC) |
| 9:30, Benny Goodman, CBS | Mon, 7:00, Alias Jimmy Valentine, Blue |
| 9:30, Benny Goodman, CBS 12:00, Lud Gluskin, CBS (WC) | 8:30, Those We Loe, Blue |
| Wed, 8:30, Paul Whiteman, CBS | 9:00, Lux Radio Theater, CBS Tues, Tracer of Lost Persons, Blue |
| 8:30, Tommy Dorsey, Red 9:30, Peter Van Steeden, Red | Tues, Tracer of Lost Persons, Blue 7:30, Helen Menken, Red |
| 10:00, Kay Kyser, Red | 8:00, Edward Robinson, Claire Treor, |
| 10:30. Frankie Masters, CBS | CBS |
| 10:30, Harry Kogen, Blue 11:30, Paul Whiteman, CBS (WC Thur, 7:30, Ben Pollack, CBS | 10:00, Jean Hersholt, CBS |
| 11:30, Paul Whiteman, CBS (WC | 11:30, Edward Robinson, Claire Trevor, CBS (WC) |
| Thur, 7:30, Ben Pollack, CBS 8:00, Jack Miller, CBS | Wed. 7:15, Tracer of Lost Persons, Blue |
| 8:00, Rudy Vallee, Red | 8:00, Gang Buster (Phil Lord), CBS |
| 0:00 Meredith Willson Red | 8.00 One Man's Pamily, Ken |
| 10:00, Johnny Trotter, Red 11:30, Jack Miller, CBS (WC) Fri, 7:30, Ted Fio Rito, CBS 8:30, Ray Noble, CBS | Thur. 7:15. Tracer of Lost Persons, blue |
| 11:30, Jack Miller, CBS (WC) | 10:00, Columbia Workshop, CBS Fri, 8:00, First Nighter, CBS |
| Fri, 7:30, Ted Fio Rito, CBS | 9:00, Hollywood Hotel, CBS |
| 9:00, Victor Young, CBS | 9:30 Death Valley Days, Red |
| 9:00, Abe Lyman, Red | 10:00, Grand Central Station, CBS 12:00, First Nighter, CBS (WC) |
| 10:00, Wayne King, Red | 12:00, First Nighter, CBS (WC) |
| | |

News

11:00, Press Radio, Red and Blue Sun, 9:30, March of Time, Blue Daily except Sunday, 6:00, Press Radio, CBS 6:25, Press Radio, Red Daily except Saturday and Sunday, 6:45, Lowell Thomas, Blue

Popular Programs

Sun, 11:30 am, Major Bowes Family, CBS 12:30 pm, Salt Lake Tabernacle, CBS 1:00, Church of the Air, CBS 2:00, RCA Magic Key, Blue 6:30, The Laugh Liner, CBS 7:00, Hobby Lobby, Red 7:30, Passing Parade, CBS 7:30, Fitch Bandwagon, Red 8:00, Chase and Sanborn Program, Red 9:00, Manhattan Merry-Go-Round, Red 9:30, Album of Familiar Music, Red 10:00, Horace Heidt's Brigadiers, Red 11:30, Hobby Lobby, Red (WC) Mon, 8:00, Monday Night Show, CBS 8:00, Beliee It or Not, Red 8:30, Voice of Firestone, Red 10:00, Contented Program, Red 10:00, True or False, Blue 10:00, True or False, Blue
10:30, Belee It or Not, Red (WC)
11:30, Voice of Firestone, Red (WC)
12:30, Vox Pop, Red (WC)
7:15, Hollywood Screenscoops, CBS
8:00, Johnny Presents, Red
9:00, We, The People, CBS
9:00, Vox Pop, Red (WC)
7:30, Ask-It Basket, CBS
9:30, For Men Only, Red Tues, Wed. 10:30, It Can Be Done, CBS 10:30, NBC Minstrel Show, Blue Thur, 7:15, Hollywood Screenscoope, CBS 9:00, Major Bowes' Amateurs, CBS 9:00, Good New of 1939, Red 10:00, Kraft Music Hall, Red 8:00, Cities Serice Concert, Red Fri. 9:30, Waltz Time, Red 9:30, Death Valley Days, Red 9:30, March of Time, Blue 7:30, Uncle Jim's Question Bee, Blue Sat, 8:00, Johnny Presents, CBS 8:30, Professor Quiz, CBS 9:00, National Barn Dance, Blue 9:30, Saturday Night Serenade 11:00, National Barn Dance, Blue (WC)

Singers

5:00, Marion Talley, Red 6:30, Jack Fulton, CBS 8:00, Nelson Eddy, Red Sun. 8:00, Dorothy Lamour, Red 9:00, Rachel Carlay, Red 9:00, Pierre Le Kreeun, Red 9:30, Frank Munn, Red 9:30, Jean Dickenson, Red 9:30, Elizabeth Lennox, Red 8:00, Linda Lee, Red Mon, 8:30, Edward Roecker, CBS 8:30, Margaret Speaks, Red 10:00, The Lullaby Lady, Red 10:30, Linda Lee, Red (WC) Tues, 8:30, Al Jolson, CBS 8:30, Martha Raye, CBS 9:30, Donald Nois, Red 12:00, Al Jolson, CBS (WC) 12:00, Martha Raye, CBS (WC) Wed, 10:00, Virginia Sims, Red 10:30, Marion Francis, CBS Thur, 8:00, Kate Smith, CBS 11:30, Kate Smith, CBS (WC) Fri, 7:30, Jack Haley, CBS 7:30, Virginia Verrill, CBS 8:00, Lucille Manners, Red 8:30, Tony Martin, CBS 9:00, Frances Langford, CBS 9:00, Jean Sablon, CBS 9:00, Frank Munn, Red 11:30, Tony Martin, CBS (WC) Sat. 9:00, Henry Burr, Blue 9:30, Mary Eastman, CBS 9:30, Bill Perry, CBS 10:00, Fredda Gibson, Buddy Clark, CBS 11:00, Henry Burr, Blue (WC)

Talks

9:30, Walter Winchell, Blue Sun, 11:00, Walter Winchell, Blue (WC) Tues, 9:00, Gabriel Heatter, CBS 10:30, Jimmy Fidler, Red Wed, 10:30, Edgar A. Guest, CBS 7:15, Jimmy Fidler, Red 10:30, Jimmy Fidler, Red (WC)

West Coast Special

KGY, in Washington's Capitol City, Olympia, will broadcast a special DX program on the morning of November 19, from 3 am until 6 or 6:30 am, EST. This program will be dedicated to the Newark News Radio Club.

Mr. Otto Renninger, Jr., of the Technical Staff, advises us that the program will consist mostly of live talent. KGY transmits on 1210 kcs. with 100 watts power.

Reports of reception of this program will be appreciated by the station.

WICA HEARD IN NEW ZEALAND

A clipping from the Ashtabula Star-Beacon of September 8, sent to us by Robert Shepard of 1228 W. 48th St., Ashtabula, Ohio, tells of reception of this 250 watt station in New Zealand. The New Zealanders who heard WICA are G. E. Moris and G. F. Dalefield, both of Palmerston North.

"While New Zealand is the farthest flung point to report WICA reception," the newspaper states, "there have been other faraway points to report accurately that they did hear the friendly voice of northeastern Ohio'."

There follows a list of distant reporters which looks almost like The Radex Club membership roster. Most of the reporters mentioned in the Star-Beacon article are known to all our readers—Ed. M. Vickers of Coral Gables, Fla. is there, and Raymond Sahlach of St. Louis, Mo. Harry F. Hawkins of Manchester, N. H., Carroll Weyrich of Parkville, Md., Floyd Biss of Brittmount, Minn., and Donald F. Hill of Broken Bow, Nebr. are all mentioned, along with James A. Dunigan of New Britain, Conn., Carl Sylvester of Yale, Mich., Martin J. Olthoff of Independence, Kans., Carl Horton of Athol, Mass., O. R. Spitler of Chicago, J. W. DeRosa of E. St. Louis, Ill. and Carl Forestieri of the Bronx, N. Y., all of them loyal Radexers.

The December issue of RADEX will be an Asiatic Number, with pictures of stations and verification cards from Asia. Look for it on your news stand.

Sr. Amando Cespedes Marin, of Heredia, Costa Rica, owner and op-



erator of T14NRH in that city, is now enjoying a vacation in the United States. Arriving in New York City on the S. S. Quirigua, on September 11, he plans to remain here for about six weeks, during which time he will be the guest of his radio fans in several cities.

Sr. Cespedes travelled first to Bristol, Connecticut, where he spent a week at the home of Mr. and Mrs. J. B. Sessions. Mr. Sessions is the only listener who has reported continuously on reception of T14NRH during its ten years of broadcasting. From Bristol, Sr. Cespedes plans to journey to Hartford, Boston, Buffalo, and Chicago, and on returning to New York to meet the ship which will return him to his homeland, he will be the guest of the Editor of Radex.

The Radio Networks

On behalf of a Committee appointed by the Federal Communications Commission to supervise the Commission's investigation of chain and network broadcasting, monopoly in the broadcasting industry and related matters, Chairman McNinch announced that a public hearing would commence on October 24.

The three national networks, as well as some fifteen regional networks, were directed to appear and present evidence covering their corporate and financial history, all phases of network operations, including relations with affiliates and with each other, as well as facts as to their ownership and con-The makers of electrical transcriptions and recordings were also requested to appear and present evidence in respect to their relations with broadcast stations and networks. The quality of such transcriptions, from both the technical and program standpoint will also be investigated.

The Commission's Engineering Department has made a survey of the problem of duplication of programs involved in network operation. At a given location, the same program may be received from several other stations. The extent of instances of such duplication, and the necessity of it, will be fully investigated.

The list of network groups which have been requested to appear may be of interest to DXers. The twenty-one networks, with their addresses, are:

Columbia Broadcasting System, Inc. 485 Madison Ave. New York, N. Y.



A picture of the Main Terrace and Front of the League of Nations Building at Geneva, Switzerland, sent as a verification of reception of one of the League stations.

National Broadcasting Company, Inc. RCA Building 30 Rockefeller Plaza New York, N. Y.

Mutual Broadcasting System, Inc. 1440 Broadway New York, N. Y.

Arrowhead Network c7o Station WEBC Duluth, Minn.

California Radio System
c/o McClatchey Broadcasting Co.
Radio Station KFBK
Sacramento, Calif.

Colonial Network 21 Brookline Ave. Boston, Mass.

Don Lee Broadcasting System 7th and Bixel St. Los Angeles, Calif.

Hearst Radio, Inc. 20 E. 57th St. New York, N. Y.

Inter-City Broadcasting System Station WMCA 1657 Broadway New York, N. Y. King-Trendle Broadcasting Corp. Michigan Radio Network 17th Floor Stroh Bldg. Detroit, Mich.

North Central Broadcasting System Empire Bank Bldg. St. Paul, Minn.

New York Broadcasting System, Inc. 110 E. 58th St. New York, N. Y.

Oklahoma Network c/o Station KTOK Oklahoma City, Okla.

Pennsylvania Broadcasters
c/o Station WKBO
Penn Harris Hotel
Harrisburg, Pa.
Pennsylvania Network

c/o WCAU Broadcasting Co. 1622 Chestnut St. Philadelphia, Pa. Quaker Network

Mr. Roger W. Clipp Widener Bldg.

Philadelphia, Pa. Texas State Network

Trinity Life Bldg. Fort Worth, Texas

Virginia Broadcasting System c/o Radio Station WRNL 323 E. Grace St.

Richmond, Va.
WLW Line Group
c/o Crosley Radio Corp.
1329 Arlington St.
Cincinnati, Ohio

Wisconsin Radio Network c/o Radio Station KFIZ Fond-du-Lac, Wis.

Yankee Network 21 Brookline Ave. Boston, Mass.

The DX Calendar

EST Nov. 6 to 12, 3-4 am

Nov. 11, 1:30 to 2 am

Nov. 22, 9-11 pm

Nov. 24, 9-10 pm

Dec. 4, ?

Dec. 9, 1:30-2 am

Dec. 18, 1-2 am

Jan. 8, 1-2 am

Jan. 8, ?

Jan. 13, 1:30-2 am

Jan. 22, 3-4 am.

Mar. 20, 1-2 am

STATIONS

PRG2, 1040 kcs. Sao Paulo, Brazil (IDA)

WJAG, 1060 kcs., Norfolk, Nebr. HC2RL, 6635 kcs.,

Guayaquil, Ecuador (IDA)

TI4NRH, 9670 kcs., Heredia, Costa Rica (NRC)

HJ7ABD, 9630 kcs., Bucaramanga, Colombia (IDA)

WJAG, 1060 kcs., Norfolk, Nebr.

EAJ7, 1095 kcs.,

Madrid, Spain. (IDA)
"Radio Strasbourg," 859 kcs.,
Strasbourg, France (IDA)

DJC, 6020 kcs., Berlin, Germany (IDA)

WJAG, 1060 kcs.,

Norfolk, Nebr. TG1, 1310 kcs.,

Guatamala City, Guat. (IDA) YSD, 7894 kcs.,

San Salvador, E. S. (IDA)

PST

Nov. 6-12, 12:01 am

Nov. 10, 10:30-11 pm

Nov. 22, 6-8 pm

Nov. 24, 6-7 pm

Dec. 4, ?

Dec. 8, 10:30-11 pm

Dec. 17, 10-11 pm

Jan. 7, 10-11 pm

Jan. 8, ?

Jan. 12, 10:30-11 pm

Jan. 22, 12:01-1 am

Mar. 19, 10-11 pm.

Twenty Stentors

ISTED below are the twenty shortwave stations which possessed the loudest voices last month. Arranged according to the number of reports received, this chart can be used by new listeners as a guide to the stations which they are most apt to receive in their own localities. Beginners should not attempt to tune for difficult catches until they become familiar enough with their receivers to bring in these easy-to-get stations regularly.

| By All Readers | Best in EST | Best in CST | Best in MST | Best in PST |
|---|---|---|--|---|
| Tokyo London Rome Paris Berlin VUD3 RKI HP5G Huizen TGWA SPW LRX VK3ME Praha HJ1ABD HJ1ABP XEWW VLR SPD ZRK | London Berlin Rome Praha SPW RKI VUD3 Tokyo SPD Huizen HP5G Paris COCX XETA HP5A RAN EAR HBH XEWI VLR | Tokyo VK3ME HJ1ABP VUD3 HJ7ABD TGWA XVJ VK6ME VK2ME TI4NRH TILS PLP Rome London HP5J COGF COCO COCM VLR Paris | VK3ME Tokyo HJ7ABD SPW VK2ME HP5G VUD3 COCX XETA HP5A RAN EAR XEWI TGWB ZIK2 XEWW VUD3 * | Tokyo Rome Paris TGWA LRX ZRK London XVJ XEWW ZBW3 TGWB Martinique CB1180 HP5G Huizen ZIK2 VK3ME VLR VUD3 ZGE |
| *No others | reported | | | |

Berlin. Deutscher Kurzwellensender, Haus des Bundfunks, Berlin, Charlottenburg 9. Transmitters are at Zeesen. Can be identified by a tune on a music box which precedes each transmission. These stations verify by card for an IRC.

DJA, 9560, 12:05-11 am (A); 6-10:50 pm (CA).

DJB, 15200 kcs, 12:05-11 am (A); 4:50-10:50 pm (NA); Sunday only 11:10 am-12:25 pm (NA).

DJC, 6020, 11:30 am-4:25 pm (Af). **DJD**, 11770, 10:30 am-4:25 pm (Af); 4:50-10:50 pm (NA).

DJE, 17760, 12:05-5:50 am (A);

6-7:50 am (SA); 8-10 am (A); 4:50-10:50 pm (SA); Sunday only, 11:10 am-12-25 pm (SA).

DJL, 15110, 12:05-2 am (Af); 8-9

DJN, 9540, 4:50-10:50 pm (SA).

DJP, 11855, 7:15-10:50 pm (NA).

DJQ, 15280, 12:05-11 am (A); 4:50 -10:50 pm (SA).

DJR, 15340, 8-9 am (CA); 4:50-10:50 pm (CA).

DJS, 21450, 12:05-11 am (A).

The directions in which the programs are radiated are shown in parentheses: A, Asia; Af, Africa; CA, Central America: NA, North America; SA, South America.

Eindhoven: N. V. Philips' Radio, Eindhoven, Netherlands. Philips' Holland-India Broadcasting Station (PHOHI).

PCJ, 9590, Sun 3:20-4:20 pm; 7:15-8:15 pm; 8:25-9:25 pm; Tues, 1:45-2 pm; 2:10-3:40 pm; 7:15-8:45 pm; 9-10:30 pm; Wed, 7:15-8:30 pm; Fri, 8-9 pm.

PCJ2, 15220, daiy exc. Sat, 6:15-6:45 pm; Sat, 7:15-7:45 pm; Tues, 2-3:30 am; Wed, 9:30-11:30 am.

PHI2, 17770, daily exc. Sun, 7:25-8:25 am; Sun, 6:25-9:40 am.

Lahti: "Radio Lahti," in Lahti and Hensinki, Finland.

OFD, 9500, Lahti, noon to 5 pm. **OFE**, 11780, Lahti, 1:05-1:45 am; 5-6:15 am; 10 am to noon.

..., 6120, Helsinki, 1:05-1:45 am; 5-6:15 am; 10 am-5 pm.

London: British Broadcasting Corp., London, W1, England. Big Ben strikes the hours. Reports are acknowledged but not positively verified. Transmitters are at Daventry.

GSB, 9510, 2-4:15 am; 12:20-4 pm; 4:15-6 pm; 6-8:30 pm; 9:20-11:20 pm.

GSC, 9580, 9:20-11:20 pm.

GSD, 11750, 2-4:15 am; 12:20-4 pm; 6-8:30 pm; 9:20-11:20 pm.

GSE, 11860, 2-4:15 am.

GSF, 15140, 5:45-8:50 am; 9 am to noon; 4:15-6 pm.

CSG, 17790, 5:45-8:50 am; 9 am to noon; 12:20-4 pm; 4:15-6 pm; 6:8:30 pm; Sun, 5-5:55 pm (I); 5:55-8:55 pm (II).

am (NA); 10:35 am-4:25 pm (Af); Sunday only 6-8 am (Af).

GSH, 21470, 5:45-8:50 am; 9 am to noon.

GSI, 15260, 2-4:15 am; 12:20-4 pm; 9:20-11:20 pm.

GSJ, 21530, 5:45-8:50 am; 9 am to noon.

GSO, 15180, 2-4:15 am; 4:15-6 pm; 6-8:30 pm.

GSP, 15310, 4:15-6 pm; 6-8:30 pm; 12:17-1:15 pm (Arabic Program).

Martinique: "Radio Martinique," Fort de France, Martinique, 9700 kcs. Sign off with Marseillaise. Address, Poste Seri, Boite 136. 6-7:45 pm. Paris: "Paris Mondial," Ministry of Haussmann, Paris VIIIe.

TPA2, 15243, 5-10 am.

Posts and Telephones, 98 bis, Blvd. TPA3, 11885, 1-4 am; 10:15 am-5 pm.

TPA4, 11718, 6-8:15 pm; **8**:30-11 pm.

TPB3, 17810, 8:30-10 am.

TPB6, 15130, 6-8:15 pm. TPB7, 11885, 8:30-11 pm.

TPB11, 9550, 1-4 am; 10:15 am-5

Praha: The Czechoslovak Shortwave Station, Fochova Tr. 16. There are three transmissions; No. I for North America, announced in English and Czech; No. II ofr South America, annouced in Spanish and Czech; No. III for Europe, in German, French, English and Czech.

OK1MPT, 5145, Fri, 4:40-5:10 pm

OLR2A, 6010, Wed, Thur, 4:40-5:10 pm (III)

OLR2B, 6030, Wed, Thur, 4:40-5:10 pm (III).

OLR3A, 9550, Mon, Tues, 4:40-5:10 pm (III).

OLR4A, 11840, Daily 1:55-4:30 pm (III); Mon through Fri 7:55-10:55 pm (I); Sun, 5:55-8:55 pm (II).

OLR4B, 11760, same as OLR4A. OLR5A, 15230, daily 1:55-4:30 pm (III); Mon through Fri 7:55-10:55 pm (I).

OLR5B, 15320, same as OLR4A. Rome: E.I.A.R., 5 Via Montello, Rome, Italy.

ICC, 6355, 5-30 pm (news in Russian).

IQY, 11676, 2:15-2:35 pm (French); 3-3:30 pm (Russian).

IRF, 9830, 12:10-1 pm (Arabic); 3-3:30 pm (Russian); 6-9 pm (Latin and North America).

2RO, 11810, 4:40 am to 9 pm. Tokyo: Broadcasting Corp. of Japan,

Hibiya Park, Tokyo.

JZJ, 11800, 7-7:30 am; 8-9:30 am;

2:30-4 pm; 4:30-5:30 pm.

JZK, 15160, 12:30-1:30 am; 2:30-4 pm; 4:30-5:30 pm.

JZL, 17785, 6-6:30 pm.

CB1180, 11800, Santiago, Chile. 6-8:30 pm.

COCM, 9833, Havana, Cuba. Transradio Columbia, 23 No. 1113, Vedado. 8 am to 10:30 pm.

COCO, 6010, Havana, Cuba. Relays CMCK. Luis Casas R., Aptdo 98. 8 am-

10 pm.

COCX, 11650, Havana, Cuba. Casa Lavin, Box 32. Sun, 6-9 pm; Weekdays, 8 am to midnight.

COGF, 11800, Matanzas, Cuba. noon

to midnight.

EAR, 9860, The Voice of Republican Spain, Box 951, Madrid, Spain. Daily transmissions at 3:30, 6:30 and 7:40 pm.

HJIABP, 9618, Cartagena, Colombia.

Aptdo. 37. Daily 6-10 pm.

HJ7ABD, 9630, Bucaramanga, Colombia. Aptdo. 47. Weekdays 6-11 pm. HP5A, 11700, Panama City, Panama. Radio-Tatro Estrella de Panama, Aptdo. 054. Weekdays 6-10 pm.

HP5G, 11780, Janana City, Panama. "Ron Dalley," Box 1121. Daily 6-10 pm.

HP51, 11895, Aguadulce, Panama. "La Voz del Interior," verifies free. Daily 7:30-9:30 pm.

JDY, 9925, Dairen, Kwangtung. Relays

JQAK. Daily 7-8 am.

LRX, 9660, Buenos Aires, Argentina. "Radio El Mundo" Calls Maipu 555. Daily 10:30 am-12:30 am.

PLP, 11000, Bandoeng, Java, N.E.I.

Weekdays, 4:30-10 am.

RAN, 9595, Moscow, U.S.S.R. Radio Centre, Soliakka 12. Daily 7-9:15 pm. RKI, 7520, Moscow, U.S.R. Radio

Centre, Soliaka 12. Daily 7-9:15 pm. SPD, 11535, Warsaw, Poland, 6-9 pm.

SPW, 13635, Warsaw, Poland, 6-9 pm.

TGWA, 9685, Guatemala City, Guat. Radiodifusora Nacional. Verifies free Sun, 7-10:45 pm. Weekdays, 10-11:30 pm.

TGWA, 15170, Guatemala City, Guat. Same as above.

TGWB, 6500, Guatemala City, Guat. 10-11:30 pm.

TILS, 5905, San Jose, Costa Rica.

Aptdo. 3. 6-11 pm.

T!4NRH, 9670, Heredia, Costa Rica. Aptdo. 40. Tues, Thur, Sat, 9-10 pm. VK2ME, 9690, Sydney, Australia. Am? algamated Wireless, 47 York St. Sun, 1-3 am; 5-11 am.

VK3ME, 9510, Melbourne, Australia. Amalgamated Wireless, 167 King St. Weekdays 4-7 am.

VK6ME, 9590, Perth, Australia. Amalgamated Wireless. Weekdays 4-6 am. VLR, 9580, Melbourne, Australia. 1-

9:45 am.

VUD3, 9590, Delhi, InIdia. All-India Radio. 1:30-3:30 am: 8:30-10:30 pm.

Radio. 1:30-3:30 am; 8:30-10:30 pm. **W2XE**, New York, N. Y. Columbia Broadcasting Sys., 485 Madison Ave. 6120 kcs: 11:30 pm to 12:30 am.

11830 kcs: Sat and Sun, 6:30-11 pm;

Mon through Fri, 6-11 pm.

2120 kcs: Sat and Sun, 8 am to 1

pm; Mon through Fri 7:30 am.

W3XAL, New York, N. Y. (Bound Brook, N. J.). National Broadcasting Co., Rockefeller Plaza.

6100 kcs: 9 pm to 1 am.

17780 kcs: 9 am to 9 pm.

W3XAU, Philadelphia, Pa. 1622 Chestnut St.

6060 kcs: Tues, Fri, Sun, 1 pm to midnight; Wed, 1-10 pm.

9590 kcs: Mon, Thur, Sat, 1 pm to 1 am.; Tues, Fri, Sun, midnight to 1 am; Wed, 10 pm to 1 am.

XETA, 11760, Monterrey, N. J., Mexico. Aptdo. 203. Daily 1:30-3:30

XEWI, 11900, Mexico City, D. F. 9 pm to midnight.

XEWW, 15160, Mexico City, D. F. Aptdo. 2516. 8 pm to 12:30 am.

XVJ, 11690, Hankow China. 7:05-7:35 am.

YUA, 6100, Belgrade, Yugoslavia. "Radio Beograd." noon to 5 pm.

YV5RC, 5970, Caracas, Venezuela. Aptdo. 2009. Sun, 8:30 am to 9:30 pm: Weekdays. 7 am to 10 pm.

ZBW3, 9525, Hong Kong, Box 200. Sun midnight to 1 am; 3-9:30 am. Weekdays 4-10 am.

ZIK2, 10600, Belize, British Honduras. Tues, Thur, Sat, 7:30-8 pm.

ZGE, 6200, Kuala Lampur, Fed. Malay States. Sun, Tues, Fri, 6:40-8:40

ZRK, 9606, Cape Town, U. of South Africa. P. O. Box 4559, Johnannesburg. Sun, 3:30-4:30 am; 8-11:40 am. Weekdays, 11:45 pm to 12:45 am.

QUESTIONS

(Continued from page 42) istics may be such that the general efficiency of the set may be impaired. If you have a fairly large supply of storage battery power, the set can be used as it is simply by removing the power transformer, and connecting the tube heaters directly to the proper battery voltages. The amperage draw of the tubes you now have is, however, quite heavy. The proper B battery can be connected across the present high-voltage output of the transformer after the type 80 tube and soon!"

The December RADEX will show the Sunday time on the air of the North American broadcasting stations.

WPIC on the Air

Program tests of the new WPIC in Sharon, Pa| commenced on October 15. This station is authorized to operate on 780 kcs. with 250 watts, daytime only. The transmitter is a Western Electric, and a 250 foot Blaw-Knox vertical radiator will be empoyed. The transmitter is situated between Sharon and Farrell, Pa. Correct reports will be verified if return postage is sent.

The BROADCASTING Stations of the WORLD

All the world's broadcasting stations which use at least 1000 watts of power, are shown in this list. Frequencies are given in the first column, the power in kilowatts in the second column, Complete lists, showing all the stations, regardless of power used, are printed by Continents, from month to month. The South Americans were listed in the October issue, and the stations of Oceania in the September issue.

| | | | -1 | | | | |
|--------------|-----|---|-------------------------|-----|-------|-------|---------------------------|
| 153 | 5 | | Ankara, Turkey | 375 | 50 | | Sverdlovak, U.S.S.R. |
| 155 | 7 | | Kaunas, Lithuania | 392 | 30 | | Banska Bystrica, Czecho- |
| 160 | 10 | | Hilversum, Netherlands | | | | slovakia |
| 160 | 150 | | Brasov, Roumania | 401 | 1 1/4 | | Geneva, Switzerland |
| 166 | 220 | | Lahti, Finland | 413 | 10 | | Voronezh, U.S.S.R. |
| 172 | 500 | | Moscow, U.S.S.R. | 510 | 50 | | Baranowicze, Poland |
| 180 | 100 | | Shinkyo, Manchukuo | 510 | 1 | | Innsbruck, Germany |
| 182 | 80 | | Paris, France | 527 | 6.3 | | Ljubljana, Jugoslavia |
| 185 | 5 | | Istanbul, Turkey | 527 | 10 | | Viipuri, Finland |
| 191 | 60 | | Berlin, Germany | 530 | 10 | | Bolzano, Italy |
| 200 | 20 | | Irkutsk, C.S.S.Ř. | 536 | 50 | | Wilno, Poland |
| 200 | 150 | | Droitwich, Gt. Britain | 546 | 120 | | Budapest, Hungary |
| 208 | 35 | | Minsk, U.S.S.R. | 550 | 100 | | Beromunster, Switzerland |
| 208 | 16 | | Reykjavik, Iceland | 550 | 10 | 2CR | Cumnock, Australia |
| 216 | 150 | | Motala, Sweden | 560 | 10 | MTCY1 | Shinkyo, Manuchkuo |
| 218 | 100 | | Novosibirsk, U.S.S.R. | 560 | 10 | XGOG | Chengtu, China |
| 224 | 120 | | Warsaw, Poland | 560 | 10 | ZUG | Grahamstown, U. S. Africa |
| 232 | 150 | | Luxembourg | 560 | 10 | 6WA | Minding, Australia |
| 232 | 100 | | Moscow, U.S.S.R. | 565 | 100 | | Athlone, Irish Free State |
| 240 | 60 | | Kalundborg, Denmark | 565 | 10 | | Memel, Lithuania L |
| 248 | 100 | | Kiev, U.S.S.R. | 565 | 3 | | Palermo, Italy |
| 256 | 25 | | Tashkent, U.S.S.R. | 570 | 5 | CB57 | Santiago, Chile |
| 260 | 60 | | Oslo, Norway | 570 | 60 | 2YA | Wellington, New Zealand |
| 260 | 1 | | Bergen, Norway | 570 | 100 | | Stuttgart, Germany |
| 260 | 10 | | Vigra, Norway | 580 | 1 | JFCK | Taichu, Formosa |
| 271 | 100 | | Leningrad, U.S.S.R. | 580 | 10 | 3WV | Horshm, Australia |
| 283 | 35 | | Tiflis, U.S.S.R. | 583 | 20 | | Alpes-Grenobles, France |
| 300 | 100 | | Moscow, U.S.S.R. | 583 | 50 | | Madona, Latvia |
| 340 | 20 | | Saratov, U.S.S.R. | 590 | 6 | LS10 | Buenos Aires, Argentina |
| 347 | 10 | | Finnmark, Norway | 590 | 150 | JOAK1 | Tokyo, Japan |
| 3 50 | 10 | | Archangel, U.S.S.R. | 592 | 100 | | Vienna, Germany |
| 3 5 5 | 20 | | Boston-on-Don, U.S.S.R. | 600 | 25 | CNR | Rabat, Morocco |
| 360 | 20 | HAL 2 | Budapest, Hungary | 600 | 25 | PRH2 | Porto Alegre, Brazil |
| 200 | 20 | 111111111111111111111111111111111111111 | Dudapoot, Alangary | 500 | / | | |

| | | | | | | | ` |
|-------------------|---------|---------------|--|--------------------|-----|--------------|---|
| 600 | 10 | SBD | Sundsvall, Sweden | 750 | 2.5 | KGU | Honolulu, Hawaii |
| 600 | 10 | ZTC | Cape Town, U.S. Africa | 750 | 10 | LRA | Buenos Aires, Argentina |
| 600 | 1 | 7ŽL | | 750 | 1 | XGOK | Canton China |
| 601 | 15 | 1216 | Hobart, Australia Athens, Greece | 750 | 1.5 | ZTD | Canton, China |
| | | C37.4 | | 750 | | | Durban, U.S. Africa |
| 610 | 1 20 | CX4 | Montevideo, Uruguay | 750 | 12 | | Katowice, Poland |
| <i>,</i> 610 | 20 | | Florence, Italy | 750 | 10 | | Maritzburg, U.S. Africa |
| 610 | 3 | JOJK | Kanazawa, Japan | 760 | 10 | CB76 | Valparaaiso, Chile |
| 610 ⁻ | 50 | KZRM | Manila, Philippines | 760 | 1 | JQAK1 | Direct Manakal |
| | | | Colore Assetalia | | | | Diren, Manchukuo |
| 610 | 3.5 | 2FC | Sydney, Australia | 760 | 10 | PRA6 | Sao Paulo, Brazil |
| 620 | 1 | CB62 | Santiago, Chile | 760 | 1 | XMHD | Shanghai, China Burghead, Gt. Britain |
| 620 | 2 | LV3 | Cordoba, Argentina | 767 | 60 | | Burghead Gt Britain |
| 620 | 4.5 | 3AR | Melbourne, Australia | 767 | 70 | | Falkirk, Gt. Britain |
| 620 | 15 | | Brussels, Belgium | 770 | 1 | CX12 | Mantani I II |
| | | | | | | | Montevideo, Uruguay |
| 620 | 20 | | Cairo, Egypt | 770 | 10 | JOHK | Sendai, Japan |
| 629 | 20 | CT1AA | Lisbon, Portugal | 770 | 3.5 | 3LO | Melbourne, Australia Stalino, U.S.S.R. |
| 629 | 20 | | Khristiansand, Norway | 770 | 10 | | Stalino, II S S R |
| 630 | 5 | LS3 | Buenos Aires, Argentina | 776 | 120 | | Toulouse, France |
| | ź | | | 780 | 1 | | Continue Cliff |
| 630 | | 4QN | Clevedon, Australia | | | TOTEC | Santiago, Chile Manila, Philippines Rosaria, Argentina |
| 638 | 120 | | Praha, Czechoslovakia | 780 | 1 | KZEG | Manila, Philippines |
| 640 | 10 | ZTJ | Johannesburg, U.S. Africa | 780 | 5 | LT1 | Rosaria, Argentina |
| 640 | 7.5 | 5CK | Crystal Brook, Australia | 780 | 120 | | Leipzig, Germany |
| 640 | 1 | CB64 | Vina del Mar. Chile | | | TA Te | |
| | | | Vina del Mar, Chile Lyons-la-Doua, France | 790 | 7.5 | EAJ1 | Barcelona, Spain |
| 648 | 100 | | Determined In Tice D | 790 | 10 | JOGK | Kumamoto, Japan |
| 648 | 10 | | Petrozavodsk, U.S.S.R. | 790 | 11 | LR10 | Buenos Aires, Argentina |
| 650 | 2 | CX6 | Montevideo, Uruguay Auckland, New Zealand Cologne, Germany | 790 | 10 | XGOV | Changeha China |
| | | | Auckland New Zealand | 790 | 10 | 4YA | Changsha, China Dunedin, New Zealand |
| 6 50 | 10 | $_{1}^{YA}$ | Calanna Common | | | #1A | Dunedin, New Zealand |
| 658 | 100 | | Cologne, Germany | 795 | 50 | | Lwow, Poland |
| 660 | 10 | XGZ | Nanking, China | 800 | 1.5 | PRA3 | Rio de Janeiro, Brazil |
| 668 | 20 | | Jerusalem, Palestine | 800 | 2.5 | 4QG | Brisbane, Australia |
| 668 | 70 | NR | Manchester, Gt. Britain | | | | |
| | | LS4 | | 804 | 70 | | Cardiff, Gt. Britain |
| 670 | 7 | | Buenos Aires, Argentina | 804 | 5 | | Penmon, Gt. Britain |
| 670 | | PRC5 | Belem, Brazil | 810 | 10 | JOIK | Penmon, Gt. Britain Sapporo, Japan |
| 670 | 7.5 | 2CO | Corowa, Australia Harbin, Manchukuo | 810 | 3 | VUC | Calcutta India |
| 674 | 3 | MTFY | Harbin, Manchukuo | 810 | 1 | CX14 | Calcutta, India |
| | | | | | | CA14 | Montevideo, Uruguay |
| 677 | 100 | | Sottens, Switzerland | 814 | 50 | | Milan, Italy |
| 680 | 1 | CB68 | Valparaiso, Chile | 820 | 1 | CB82 | Santiago, Chile Tucuman, Argentina Bucharest, Roumania |
| 6 80 | 5 | PRC2 | Porto Alegre, Brazil | 820 | 1 | LV_7 | Tucuman, Argentina |
| 680 | 5 | 4YZ | Invercargill, New Zealand | 820 | 12 | | Buchatest Roumania |
| 686 | 20 | | Belgrade, Jugoslavia | 823 | 10 | | Bodo Morros |
| 690 | 10 | JOBK1 | | | 10 | JOFK | Bodo, Norway |
| | | | Osaka, Japan | 830 | | | Hiroshima, Japan |
| 690 | 3.5 | 6WF | Perth, Australia Paris, France | 830 | 20 | LR5 | Buenos Aires, Argentina |
| 695 | 120 | | Paris, France | 830 | 7 | 3 G I | Longford, Australia |
| 700 | 5 | VPB | Colombo, Ceylon | 832 | 1.5 | | Agen, France Kiev, U.S.S.R. |
| 790 | 7 | 2NR | Grafton, Australia | 832 | 35 | | Kiew IISSP |
| 700 | 55 | 2-1 | Stockholm, Sweden | 832 | 10 | | Stavenger Manual |
| | | JODK2 | Keijo, Korea | | | | Stavanger, Norway |
| 710 | 10 | | Reijo, Roica | 840 | 1 | | Valparaiso, Chile Sao Paulo, Brazil |
| 710 | 5 7 | LS1 | Buenos Aires, Argentina | 840 | 5 | PRH9 | Sao Paulo, Brazil |
| 710 | 7 | 7NT | Kelso, Australia | 840 | 5 | 2 YC | Wellington, New Zealand |
| 710 | 1 | XGOS | Chunking, China | 841 | 100 | | |
| | 120 | | Rome, Italy | | | CETATE | Berlin, Germany |
| 713 | | IFBK | Taiwan, Formosa | 845 | 2 | ZBW | Hong Kong |
| 720 | 1 | | | 850 | 2 | CX16 | Montevideo, Uruguay |
| 720 | 25 | PRA8 | Pernambuco, Brazil | 850 | 3 | EAJ3 | Valencia, Spain |
| 720 | 10 | 3YA | Christchurch, New Zealand | 850 | 10 | JBCK | Valencia, Spain Seishin, Korea |
| 720 | 2 | 6GF | Kalgoorlie, Australia | 850 | 10 | OAX4A | Lima Danie |
| 722 | 1 | | Frederikstad, Norway | | | | Lima, Peru |
| | | | - 11 1 1 1 1 1 | 850 | 1 | 5RM | Renmark, Australia |
| 722 | 17 | | Lopikerkapel, Netherlands Kharkov, U.S.S.R. Santiago, Chile Madrid, Spain | 850 | | | Renmark, Australia Porsgrund, Norway Simferopol, U.S.S.R. |
| 722 | 10 | | Kharkov, U.S.S.R. | 850 | 10 | | Simferopol IISS R |
| 730 | 1 | CB73 | Santiago, Chile | 850 | 100 | | Sofia, Bulgaria |
| 730 | 3 | EAJ2 | Madrid Spain | 855 | 2.5 | HSP1 | De at 1 Ci |
| | | | C- 111- C- 1- | | | | bangkok, Siam |
| 730 | 5.5 | EAJ5 | Seville, Spain | 855 | 3 | VUB | Bangkok, Siam Bombay, India |
| 730 | 10 | JOCK1 | Nagoya, Japan | 859 | 100 | | Strasbourg, France |
| 730 | 1 | LV1 | San Juan, Argentina | 860 | 2.5 | PRA3 | Rio de Janeiro, Brazil |
| 730 | 4 | 5CL | Adelaide Australia | 868 | 50 | | Poznan Poland |
| 730 | 20 | , 02 | Adelaide, Australia Tallin, Estonia | 870 | | TOAKS | Talana Talana |
| | | TOCT | Valence Jane | | 150 | JOAK2 | lokyo, Japan |
| 740 | 1 | JOSK | Kokura, Japan | 870 | 26 | LR6 | Poznan, Poland Tokyo, Japan Buenos Aires, Argentina |
| 740 | 10 | PRA4 | San Salvador, Brazil | 870 | 1 | 2 GB | Sydney, Australia |
| 740 | 3 | 2BL | Sydney, Australia | 877 | 70 | | London, Gt. Britain |
| 740 | 100 | | Munich, Germany | 880 | 22 | PR13 | |
| 740 | 100 | | Pori, Finland | | | 11113 | Bello Horizonte, Brazil |
| | | • • • • | Years!!!a France | 880 | 15 | :::: | Linz, Germany New Delhi, India |
| 749 | 120 | | Marseille, France | 882 | 20 | VUD | New Delhi, India |
| | | | | | | | |
| 750 | 15 | HS7PJ | Bangkok, Siam | 886 | 15 | - · · · | Graz, Germany |
| | 15 | HS7PJ JFAK | Bangkok, Siam Taihoku, Formosa | | | CB89 | Graz, Germany |
| 750 750 | | HS7PJ JFAK | Marseille, France Bangkok, Siam Taihoku, Formosa | 886 8 90 | 15 | CB89 | Graz, Germany Santiago, Chile |

| 000 | | C3710 | Management 1 and TT and a | 10/6 | | 70 4775 | D |
|------|-----|-------------|--|---------------|------|---------|---|
| 890 | 1.5 | CX18 | Montevideo, Uruguay | 1065 | 1 | JQAK2 | Dairen, Manchukuo |
| 890 | 1 | MTBY | Hoten, Manchukuo | 1068 | 2 | | Paris, France |
| 890 | 1.5 | ZP9 | Asuncion, Paraguay | 1068 | 10 | | Tiraspol, U.S.S.R. |
| 890 | 10 | | Asuncion, Paraguay Helsinki, Finland Limoges, Frances | 1070 | 50 | LR1 | Buenos Aires, Argentina |
| 895 | 1.5 | | Limoges, Frances | 1070 | 2 | 6WB | Katanning Australia |
| 900 | 1 | CB90 | Valparaiso, Chile | 1077 | 13 | | Katanning, Australia Bordeaux, France |
| 900 | î | KZIB | Valparaiso, Chile Manila, P. I. | 1080 | 4.5 | LT3 | Dordcaux, Flance |
| 900 | 2 | | Rabia Blanca Ara | 1080 | | | Rosaria, Arg. Falun, Sweden |
| | | LU2 | Bahia Blanca, Arg. | 1000 | 2 | SCC | raiun, Sweden |
| 900 | . 5 | PRB7 | Rio de Janeiro, Brazil | 1080 | 10 | CX28 | Poao Pessoa, Brazil |
| 910 | 12 | LR2 | Buenos Aires, Arg. | 1090 | 1.05 | CX28 | Montevideo, Uruguay |
| 910 | 2 | 4RK | Rockhampton, Australia | 1090 | 2 | 3LK | Lubeck, Australia |
| 913 | 60 | | Toulouse, France hanghai, China | 1095 | 10 | | Vinnitsa, U.S.S.R. |
| 920 | 1 | S | hanghai, China | 1100 | 50 | PRG9 | Sao Paulo Brazil |
| 920 | 32 | | Brno, Czechoslovakia | 1104 | 25 | | Kuldiga Tatvia |
| 930 | 2.5 | CB93 | Santiago, Chile | 1104 | 10 | | Sao Paulo, Brazil Kuldiga, Latvia Naples, Italy |
| 930 | 1 | CX20 | Montevideo, Uruguay | 1110 | 1 | CB111 | Vine del Mary |
| | | CAZU | Program Polaire | 1110 | 5 | LS5 | Vina del Mar, Chile |
| 932 | 15 | | Brussels, Belgium | | | LOO | Buenos Aires, Arg. |
| 940 | 10 | JOBK2 | Osaka, Japan Rio de Janeiro, Brazil | 1113 | 100 | | Melnik, Czechoslovakia |
| 940 | 10 | PRF4 | Rio de Janeiro, Brazil | 1120 | 5 | LV5 | San Juan, Arg. |
| 940 | 10 | SBB | Goteborg, Sweden | 1120 | 5 | PRH8 | Rio de Janeiro, Brazil |
| 940 | 1 | XHHE | Shanghai, China | 1120 | 1 | YV1RF | Maracaiba, Venezuela |
| 940 | 12 | | Algiers, Algeria | 1120 | 1 | 4BC | Brisbane, Australia |
| 950 | 31 | LR3 | Buenos Aires, Argentina | 1122 | 6 | | Nyreghybere Linear |
| | | 2UE | Cudney Australia | 1122 | 60 | | Nyreghyhaza, Hungary Stagshaw, Gt. Britain |
| 950 | 1 | | Sydney, Australia Breslau, Germany | | | CYA | Stagsnaw, Gt. Britain |
| 950 | 100 | • • • • | Breslau, Germany | 1130 | 1 | CX30 | Montevideo, Uruguay |
| 959 | 60 | | Paris, France | 1130 | 1 | ZP1 | Asuncion, Paraguay |
| 960 | 2 | LV2 | Cordoba, Arg. | 1130 | 1 | 2ZB | Wellington, New Zealand |
| 960 | 5 | PRF3 | Sao Paulo, Brazil Odessa, U.S.S.R. | 1131 | 100 | SBH | Horby, Sweden |
| 960 | 10 | RW13 | Odessa, U.S.S.R. | 1140 | 5 | CB114 | |
| 960 | | XHHF | Shanghai, China | | | | Santiago, Chile |
| | 5 | YV5RA | | 1140 | 10 | | Genoa, Italy |
| 960 | | | Dandass, Venezuela | 1140 | 10 | | Trieste, Italy |
| 968 | 30 | ···· | Bordeaux, France | 1140 | | | Turin, Italy |
| 970 | 1 | CB97 | Santiago, Chile Keijo, Korea | 1149 | 50 | | Cardiff, Gr. Britain London, Gt. Britain |
| 970 | 50 | JODK1 | Keijo, Korea | 1149 | 20 | | London Gt Britain |
| 974 | 1 | HCJB | Quito, Ecuador Belfast, Gt. Britain Rio de Janeiro, Brazil | 1149 | 20 | | Manchester, Gt. Britain |
| 977 | 100 | | Belfast, Gt. Britain | 1150 | 7 | LR8 | Businester, Gt. Britain |
| 980 | 20 | PRE8 | Rio de Janeiro, Brazil | 1150 | í | XGOZ | Buenos Aires, Arg. |
| | | | | | | | Chinkiang, China |
| 980 | 1 | YV1RB | San Cristobal, Venez. | 1150 | 2 | 2WG | Wagga, Australia Kosice, Poland |
| 980 | 2 | 6AM | Northam, Australia | 1158 | 10 | | Kosice, Poland |
| 980 | 24 | | Torun, Poland | 1160 | 1 | CB116 | Valparaiso, Chile |
| 986 | 50 | | Bologna, Italy Nagoya, Japan Buenos Aires, Arg. | 1160 | 5 | PRH3 | Valparaiso, Chile Sao Paulo, Brazil |
| 990 | 10 | IOCK2 | Nagoya, Japan | 1167 | 15 | | Monte Ceneri, Switzerland |
| 990 | 16 | LR4 | Buenos Aires, Arg. | 1170 | 2 | 2NZ | Inverell, Australia |
| 990 | 2 | XGOD | Hangchow, China | 1176 | 10 | 12 | Copenhagen Dennish |
| | | | Orange, Australia | 1180 | 5 | CB118 | Copenhagen, Denmark |
| 990 | 2 | 2GZ | Hilversum, Netherlands | | | | Santiago, Chile |
| 995 | 60 | ::::: A DTT | Provide Colombia | 1185 | 60 | | Nice-Corse, France |
| 1000 | 2 | HJ3ABH | Bogota, Colombia | 1190 | 30 | LS2 | Buenos Aires, Arg. |
| 1000 | 10 | PRB9 | Sao Paulo, Brazil | 1190 | 1 | 2CH | Sydney, Australia |
| 1000 | 14 | | Bratislava, Czechoslovakia | 1190 | 2 | | Coblenz, Germany |
| 1010 | 1 | CB101 | Bratislava, Czechoslovakia Santiago, Chile | 1190 | 2 | | Trier, Germany |
| 1010 | 1 | CX24 | Montevideo, Uruguay | 1195 | 25 | | Free olefust am Main |
| 1010 | 5 | XGOW | Hangkow, China | 1197 | 4) | • • • • | Frankfurt-am-Main, |
| 1013 | 4 | | Chernicov IISSR | 4405 | _ | | Germany |
| | | | Daventry Gt Britain | 11 9 5 | 5 | | Freiburg-im-Breisgau, |
| 1913 | 70 | EAJ15 | Daventry, Gt. Britain Barcelona, Spain | | | | Germany |
| 1020 | 3 | EAJIS | Calana America | 1200 | 1 | CB120 | Valparaiso, Chile |
| 1020 | 1 | 2KY | Sydney, Australia Cracow, Poland Parede, Portugal | 1200 | 1 | HI3ABE | Bogota, Colombia |
| 1020 | 2 | | Cracow, Poland | 1200 | 1 | PRB6 | Sao Paulo, Brazil |
| 1030 | 5 | CTIGL | Parede, Portugal | 1204 | 5 | | Moravska-Ostrava, Czecho |
| 1030 | 5 | LR9 | Buenos Aires, Arg. | | | • • • • | T:11- P |
| | | - | | 1213 | 60 | DD 4.0 | Lille, France |
| 1030 | 1 | XGOL • | Foochow, China | 1220 | 25 | PRA9 | Rio de Janeiro, Brazil |
| 1031 | 100 | | Konigsberg, Germany | 1220 | 2 | 4AK | Oakey, Australia |
| 1040 | 10 | CP4 | La Paz, Bolivia | 1220 | 1 | 4ZB | Dunedin, New Zealand |
| 1040 | 10 | PRG2 | Sao Paulo, Brazil | 1222 | 60 | | Rome, Italy Buenos Aires, Arg. |
| 1040 | 2 | 5PI | Crystal Broo, Australia | 1230 | 15 | LS8 | Buenos Aires, Arg |
| 1040 | 10 | | Crystal Broo, Australia Leningrad, U.S.S.R. | 1230 | 2 | 2NC | Newcastle Australia |
| 1040 | 120 | | Rennes-Bretagne, France | | 5 | | Gleiwitz Germany |
| | | CX26 | Montavideo Urumay | 1230 | | | Coality Comment |
| 1050 | 1.5 | | Montevideo, Uruguay | 1231 | 5 | | Corle I R.C. |
| 1050 | 2 | 2CA | Canberra, Australia Kalkirk, Gt. Britain | 1235 | 1 | 6CK | Newcastle, Australia Gleiwitz, Germany Gorlitz, Germany Cork, I.F.S. |
| 1050 | 50 | | Kalkirk, Gt. Britain | 1240 | 2 | LU7 | Bahia Blanca, Arg. |
| 1059 | 20 | | Bari; Italy | 1240 | 1 | 3TR | Sale, Australia |
| 1060 | 5 | CB106 . | Santiago, Chile | 1240 | | | Saarbrucken, Germany |
| 1060 | 5 | PRD2 | Rio de Janeiro, Brazil | 1250 | ũ | CB125 | Santiago, Chile |
| 1000 | , | | | | • | | |

| 1250 | | CV26 | Manta II. TT | | _ | | |
|------|------------|---------|-------------------------|--------------|-----|---------|---------------------------|
| | 1 1 | CX36 | Montevideo, Uruguay | 1348 | 2 | • • • • | Konigsberg, Germany |
| 1258 | | •••• | Bilbao, Spain | 1348 | 2 | | Salzburg, Germany |
| 1258 | 15 | | Riga, Latvia | 1350 | 6 | LS6 | Buenos Aires, Argentina |
| 1258 | 1 | • • • • | Rome, Italy | 1350 | 1 | XGOE | Nanning, China |
| 1258 | 1 | | Salamanca, Spain | 1357 | 2 | | Bari, Italy |
| 1260 | 5 | PRA5 | Sao Paulo, Brazil | 1357 | 5 | | Genoa, Italy |
| 1260 | 2 | 3SR | Shepparton, ·Australia | 1357 | 4 | | Milan, Italy |
| 1260 | 2 | • • • • | Nurnberg, Germany | 1357 | 1 | | Rome, Italy |
| 1270 | 6 | LS9 | Buenos Aires, Arg. | 1360 | 5 | PRC8 | Rio de Janeiro, Brazil |
| 1270 | 1 | 2SM | Sydney, Australia | 1360 | 5 | | Warsaw, Poland |
| 1276 | 2 7 | | Juan-les-Pins, France | 1380 | 5 | CB138 | Santiago, Chile |
| 1276 | 2 | | Varna, Bulgaria | 1380 | í | 4BH | Brisbane, Australia |
| 1280 | 25 | PRG3 | Rio de Janeiro, Brazil | 1384 | 7 | | Warsaw, Poland |
| 1280 | 1 | | Aberdeen, Gt. Britain | 1390 | í | CB139 | Valparaiso, Chile |
| 1294 | 5 | | Klagenfurt, Germany | 1393 | 25 | | Lyons, France |
| 1294 | 5 | | Vorarlberg, Germany | 1400 | 5 | PRD5 | Rio de Janeiro, Brazil |
| 1300 | 1 | CB130 | Santiago, Chile | 1402 | 2 | | Stara-Zagora, Bulgaria |
| 1300 | 5 | CPX | La Paz, Bolivia | 1410 | 1 | CW37 | Colonia, Uruguay |
| 1300 | 3 | PRH6 | Bello Horizonte, Brazil | 1410 | 5 | PRE7 | Sao Paulo, Brazil |
| 1300 | 2 | XQHC | Shanghai, China | 1411 | 15 | | Fecamp, France |
| 1300 | 2 | 2TM | Tamworth, Australia | 1420 | 2 | PRB2 | Curityba, Brazil |
| 1310 | 10 | LS11 | La Plata, Arg. | 1420 | 2 | | |
| 1312 | 2.5 | | Malmo, Sweden | | | | Kaiserlautern, Germany |
| 1320 | 1 | CB132 | Valparaiso, Chile | 1430 | 5 | PRE2 | Rio de Janeiro, Brazil |
| 1320 | 1 | HAE2 | Magyarovar, Hungary | 1430 | 1 | 3ZB | Christchurch, New Zealand |
| 1320 | 1 | KGMB | Honolulu, Hawaii | 1438 | 1.2 | | Miskolo, Hungary |
| 1320 | 1 | PRD8 | Nichtheroy, Brazil | 1440 | 10 | LS7 | Buenos Aires, Arg. |
| 1320 | 2 | PRE9 | Fortaleza, Brazil | 1440 | 3 | PRF9 | Porto Alegre, Brazil |
| 1320 | 2 | PRH4 | Sao Paulo, Brazil | 1450 | 1 | PRB4 | Santos, Brazil |
| | 2. | | | 1456 | 5 | | Paris, France |
| 1330 | | • • • • | Bremen, Germany | 1460 | 5 | | Dresden, Germany |
| 1330 | 2 | | Hanover, Germany | 1465 | 1.2 | | Pecs, Hungary |
| 1330 | 2 | | Kiel, Germany | 1470 | 1 | PRE6 | Nictheroy, Brazil |
| 1330 | 2 | | Stettin, Germany | 1474 | 1 | | Bournemouth, Gt. Britain |
| 1339 | 2 | | Lodz, Poland | 1480 | 1 | PRD3 | Petropolis, Brazil |
| 1339 | 5 | CD104 | Montpellier, France | | 10 | CB150 | Santiago, Chile |
| 1340 | 1 | CB134 | Santiago, Chile | 1500 1500 | 2 | VUP | Peshawar, India |
| 1340 | 5 | PRE4 | Sao Paulo, Brazil | 1500 | | VOP | resnawar, mula |

Applications To The FCC

(Only applications which are set for hearing are shown in this list). KEX, Portland, Ore., change freq. to 1160 (E). KFBB, Gt. Falls, Mont., mod. of lic. change freq. to 900, pwr. to 5 kw. unltd. (E). KRKO, Everett, Wash., CP 100 (.25), unltd.

(E). KRSC, Seattle, Wash., CP increase pwr. to 500

w. (E). WAZL, Hazelton, Pa., mod. lic. 1420 kcs, 100 w. unltd. (E).

WDEL, Wilmington, Del., mod. of CP to in-

crease day pwr. to 1000. (E).
WGRC, New Albany, Ind., CP 880 kcs., 250
w. unltd. (E).

WIP. Philadelphia, Pa., CP new xmitter, increase pwr to 5 kw, move xmitter o Brooklawn, N. J. (E).

WIRE, Indianapolia, Ind., mod. of CP o increase pwr. to 5 kw. (E).

WIS, Columbia, S. C., applied for special exp.

authority for new satellite station at Sumter, S. S., same freq. as WIS, 560 kcs, 10 to 100 w. from LS to sunrise (E).

WJRD, Tuscaloose, Ala., mod. of lic. for 100

(.25) unltd. (E). WMBC, Detroit, Mich., CP change freq. to 600, pwr. to 250 unltd. (E).

WMBR, Jacksonville, Fla., CP 1120 kcs, 1 kw unltd. (E).

WPG, Atlantic City, N. J., CP to change hrs. from specified to unltd. Move studio from Atlantic City to 132 W. 43rd St., New York, and xmitter to Kearney, N. J., requesting facilities of WBIL and WOV. (E).

WRAW, Reading, Pa., CP increase pwr. to 250. (E).

WSJS, Winston Salem, N. C., CP increase pwr to 100 (.25) (E).

WTEL, Philadelphia, Pa., mod. of lic. change freq. to 1500, hrs. to unltd. (E). WTMV, E. St. Louis, Ill., mod. of lic. to in-

crease pwr. to 250. (E).

New, Ashland, Wis., WJMS, Inc., CP 1200 kcs., 100 (.25) unltd. (E).

New, Cleveland, Ohio, Cuyahoga Valley Brdcstg. Co., CP 1500 kcs, 100 w. days (E). New, Ely, Wyo., Eastern Nevada Brdcstg. Co.,

CP 1500 kcs., 100 w. days (E). New, Everett, Wash., Cascade Brdcstg. Co., Inc., 1420 kcs., 100 (.25) unitd. (B).
New, Hastings, Nebr., South Nebr. Brdcstg.

Co., CP 920 kcs., 1000 (5) unltd. (E).

(E) indicates the application is set for hearing before an Examiner. (C) indicates it is set for hearing before the Commission, freq. (Frequency); mod. (modification); lic. (license); pwr. (power); unltd. (unlimited time); Itd. (limited time); CP (construction permit); hrs. (hours); xmitter (transmitter); exp. (experimental); LS (local sunset).

| IVIDEX | | | |
|--|---------------|--------------|---|
| | | | |
| New, Metuchen, N. J., Bernard Goldsmith, | 1420 | WGNC | Gastonia, N. C. |
| CP 1420 kcs., 100 w. days (E). New, Ocala, Fla., John T. Alsop, Jr., CP | 1420 | WHMA | |
| New, Ocala, Fla., John I. Alsop, Jr., CP | 1430 1490 | CMKZ CMKO | Palma Soriano, Cuba |
| 1500 kcs., 100 w. unltd. (E). New, Phoenix, Ariz, M. C. Reese, CP 1200 | 1500 | KVWC | Santiago, Cuba Vernon, Texas |
| kcs., 100 (.25) unltd. (E). | 1540 | | Guines, Cuba |
| New, Rockville, Md., Monocacy Brdcstg, Co., | | - | Frequency |
| 1140 kcs., 250 w. days (E). | 1500 | CMCG | Havana, Cuba, from 680 |
| 1140 kcs., 250 w. days (E). New, San Juan, P. R., Enrique Abarca San- feliz, CP 580 kcs., I kw. unltd. (E). | | | Call |
| Now Sodelie Mo CP 1500 has 100 (25) | 1050 | WIBC | Indianapolis, Ind., from WGVA |
| New, Sedalia, Mo., CP 1500 kcs., 100 (.25) unltd. (E). | 1310 | KOME | Tulsa, Okla., from KTFL |
| New Springfield Ohio, Springfield Brdcstg. | 1420 | KSAN | San Francisco, Calif., from KGGC |
| New, Springfield, Ohio, Springfield Brdcstg. Corp., CP 1310 kcs., 100 w. unltd. (E). New, Sumter, S. C., J. Samuel Brody, CP | | | Location |
| New, Sumter, S. C., J. Samuel Brody, CP | 950 | KFWB | Los Ángeles, Calif., from Holly- |
| 1310 kcs., 100 (.25) Unltd. (E). | | WWW COTS | wood. |
| Recommendations of Fcc | 1420 | WMSD | Muscle Shoals City, Ala., from |
| | | | Sheffield. |
| Examiners | 1 4 4 0 | CMBC | Reinstated |
| KATE, Albert Lea, Minn., rec. grant of mod. | 1440 | CMBG | Havana, Cuba |
| of lic. to increase pwr. to 100 (.25) unltd. (C). | | | Network |
| KEEN. Seattle. Wash., grant of CP change | 1260 | KRGV | Weslaco, Texas, new MBS |
| KEEN, Seattle, Wash., grant of CP change reg. to 1420, pwr. to 100 (.25) unltd. | 1310 | KAND | Corsicana, Texas, New MBS |
| WDAE, Tampa, Fla., mod. of lic. change freq. | 1310 | KFYO | Corsicana, Texas, New MBS Lubbock, Texas, new MBS Corpus Christi, Texas, new MBS |
| o 78 0. | 1330 1370 | KRIS KFJZ | Fort Worth, Texas, new MBC |
| WGNY, Newburgh, N. Y., grant of CP | 1370 | KFRO | Longview Teyas new MBS |
| WGNY, Newburgh, N. Y., grant of CP hange freq. to 1220, pwr. to 250 days. WHP, Harrisburg, Pa., grant CP to increase | 1370 | KLUF | Longview, Texas, new MBS Galveston, Texas, new MBS |
| owr. to 1000 (5). | 1370 | KTEM | Temple, Texas, new MBS |
| WPRA. Mayaguez, P. R., grant of CP to | 1410 | KGNC | Amarillo, Texas, new MBS |
| WPRA, Mayaguez, P. R., grant of CP to hange freq. to 780, pwr. to 1000 (2.5). un- | 1420 | KABC | San Antonio, Texas, new MBS |
| td. | 1420 | KCMC | Texarkana, Texas, new MBS |
| WRBL, Columbus, Ga., mod. of CP to change req. to 1330, pwr. to 1 kw. | 1420 1420 | KRBC KRIC | Abilene, Texas, new MBS Beaumont, Texas, new MBS |
| req. to 1330, pwr. to 1 kw. | 1420 | WACO | Waco, Texas, new MBS |
| WTAQ, Green Bay, Wis., grant of CP to in- rease pwr. to 1000 (5). | 1440 | KXYZ | Houston, Texas, new MBS |
| New, Atlantic City, N. J., Press Union Pub. | 1500 | KBST | Big Spring, Texas, new MBS |
| New, Atlantic City, N. J., Press Union Pub. | 1500 | KGKB | Big Spring, Texas, new MBS Tyler, Texas, new MBS |
| New, Denver, Colo., F. W. Meyer, CP 1510 | 1500 | KNOW | Austin, Texas, new MBS Paris, Texas, new MBS. |
| cs., 100 (.25). | 1500 | KPLT | |
| New, Emporia, Kans., Emporia Brdcstg. Co., CP 1370 kcs., 100 w. days. | | Permit | |
| New, Lihue, Hawaii, Garden Island Pub. Co., | 770 | KFAB XEFE | Lincoln, Nebr., to 1080 Nuevo Laredo, Tams. |
| CP 1500 kcs., 100 (.25). | 980 1190 | WATR | Waterbury Conn. to 1290 |
| CP 1500 kcs., 100 (.25). New, Goldsboro, N. C., CP 1370 kcs., 100 w. | 1240 | KLPM | Waterbury, Conn., to 1290 Minot, N. Dak., to 160 |
| inltd. | 1310 | KINY | Juneau, Alaska, to 1430 |
| New, New Bern, N. C., Nathan Frank, CP | 1310 | WOL | Washington, D. C., to 1230 |
| 500 kcs., 100 w. unltd. New, Rock Hill, S. C., CP -500 kcs., 100 w. | 1370 | KAST | Astoria, Ore., to 1200 Salem, Ore., to 1360 |
| ave | 1370 | KSLM | Salem, Ore., to 1300 |
| New, St. Petersburg, Fla., Pinellas Brdcstg. Co., CP 1370 kcs. 100 (.25) unltd. New, Vancouver, Wash., Vancouver Brdcstg. Corp., CP 880 kcs., 250 w. days. | | | mit to Change Power |
| Co., CP 1370 kcs. 100 (.25) unltd. | 650 | WFIL WILL | Philadelphia, Pa., to 1000 Urbana, Ill., to 5000 Kalamazoo, Mich., to 250 (1) Seattle, Wash., to 1000 Lincoln, Nebr., to 50000 E. Lansing, Mich., to 5000 New Orleans, La., to 50000 Hayana, Cuba, to 5000 Richmond Va. to 1000 |
| New, Vancouver, Wash., Vancouver Brdcstg. | 580 590 | WKZO | Kalamazoo Mich to 250 (1) |
| Corp., CP 880 kcs., 250 w. days. | 760 | KXA | Seattle, Wash., to 1000 |
| New, Wallace, Idaho, CP new station 1420 cs., 100 (.25) unltd. | 770 | KFAB | Lincoln, Nebr., to 50000 |
| New, Washington, D. C., Lawrence J. Heller, | 850 | WKAR | E. Lansing, Mich., to 5000 |
| CP 1310 kcs., 100 (.25) (Recommended dis- | 850 | WWL | New Orleans, La., to 50000 |
| nissal of application). | 880 | C.MW | Havana, Cuba, to 5000 |
| | 880 | WRNL | Richmond, Va., to 1000 |
| The Month's Changes In | 890 | KFNF | Shenandoah, Iowa, to 1000 (5) |
| Station Data | 900 920 | KGBU CMX | Ketchikan, Alaska, to 1000 Havana, Cuba, to 10000 |
| | 1000 | CMBZ | Havana, Cuba, to 5000 |
| New | 1040 | KRLD | Havana, Cuba, to 5000 Dallas, Texas, to 50000 |
| 710 XEQ Mexico City, D. F. | 1110 | CMCJ | Havana, Cuba, to 3000 |
| 950 Troy, N. Y. | 1110 | WRVA | Richmond, Va., to 5000 |
| 1210 Charleston, S. C. | 1170 | CMBS | Havana, Cuba, to 5000 |
| Petersburg, Va. | 1190 | WATR | Waterbury, Conn., to 250 |
| 1250 WMRO Aurora, Ill. 1340 WFNC Fayetteville, N. C. | 1·240 1250 | KLPM KIT | Minot, N. Dak., to 500 (1) Yakima, Wash., to 500 (1) |
| 1340 WFNC Fayetteville, N. C. 1420 CKCA Kenora, Ont. | 1260 | CMBD | Havana, Cuba, to 5000 |
| TILD OLIVER INCHOUR, OHL. | 1200 | | July Care, to 7000 |
| | | | |

KEY TO SYMBOLS

As shown in the Index by Frequencies

Frequencies are given in kilocycles per second, and wavelengths in meters. Night power is shown in watts in third column. Daytime power is shown in parentheses in fourth column, in kilowatts. Thus: (.25) indicates 250 watts. Exact frequencies, when not multiples of ten, are shown in the fourth column.

| Second Column Symbols a Verifies for return postage. b Verifies only occasionally. c Does not verify. d Verifies — no postage required. e Verifies for International Reply Coupon z No information available. Fourth Column Symbols A Status in doubt—in Court. B National "Blue" Network. C Columbia Network. D Davtime only. F Canadian Network. | Special Authorizati K Licensed for facsimi L Limited time. | er Spec- equency under on. Y ere but under oio. le. R National "Red" Network. S Sundays only. Synchronized. Has Permit to change power. Y Has Permit to change location. Z Has Permit to change frequency. a-b-c Small letters show stations using same transmitter. |
|---|--|---|
| 540 kcs. (555.2 m.) | | |
| CJRM a 1000 F ZNS d 400 | Regina, Sask. Nassau, Bahamas | J. Richardsons Son Superintendent of Telegraphs |
| 550 kcs. (545.1 m.) | | |
| CFNB a 500 F(1) KFUO a 500 2(1) KFYR a 1000 N(5) KOAC a 1000 2R(5) KSD a 1000 2R(5) WDEV a 500 D WGR a 1000 C(5) WSVA a 500 D XEFC a 100 560 kcs. (535.4 m.) KFDM a 500 N(1) KLZ a 1000 C(5) KSFO a 1000 C(5) KSFO a 500 D WGIL a 1000 C(5) WFIL a 1000 C(5) WFIL a 1000 BMX WIND a 1000 (5) WJS a 1000 (5) WJS a 1000 C(5) WJS a 1000 C(5) WJS a 1000 C(5) | Fredericton, N. B. St. Louis, Mo. Bismarck, N. Dak. Corvallis, Ore. St. Louis, Mo. San Antonio, Tex. Waterbury, Vt. Buffalo, N. Y. Cincinnati, Ohio Harrisonburg, Va. Merda, Yuc. Beaumont, Texas Denver, Colo. San Francisco, Calif. Springfield, Mo. Philadelphia, Pa. Gary, Ind. Columbia, S. C. Miami, Fla. | James S. Neill & Sons Evangelical Lutheran Synod Meyer Brdcstg. Co. State Agricultural Col. Pulitzer Pub. Co. KTSA Brdcstg. Co. Chas. B. Adams, Adm. Buffalo Brdcstg. Corp. Columbia Brdcstg. Sys. Shenandoah Valley Brdcstg. Corp. Julio Molina Font. Sabine Brdcstg. Co., Inc. KLZ Brdcstg. Co. Associated Broadcasters, Inc. Ozarks Brdcstg. Co. 638 Pub. Ledger Bldg. Johnson-Kennedy Radio Corp. Station WIS, Inc. Miami Brdcstg. Co. |
| 570 kcs. (526 m.) | | |
| CMCY a 10000 KGKO a 1000 B(5) KMTR a 1000 C(5) WKBN a 500 1C WMCA a 1000 C(5) WOSU a 750 1(1) WSYR a 1000 Ba WSYU a 1000 Ba WWNC a 1000 N | Havana, Cuba Ft. Worth, Texas Los Angeles, Calif. Tacoma, Wash. Youngstown, Ohio New York, N. Y. Yankton, S. Dak. Columbus, Ohio Syracuse, N. Y. Syracuse, N. Y. Asheville, N. C. | Manuel D. Outran y Cia. KGKO Brdcstg. Co. KMTR Radio Corp. Puget Sound Brdcstg. Co., Inc. WKBN Brdcstg. Corp. Knickerbocker Brdcstg. Co. WNAX Brdcstg. Co. Ohio State University Central N. Y. Brdcstg. Corp. Central N. Y. Brdcstg. Corp. Citizen-Times Co., Inc. |
| 580 kcs. (516.9 m.) CFPR a 50 CHRC a 100 | Prince Rupert, B. C. Quebec, P. Q. | Felix E. Bat CHRC, Ltd. |

| | | | | D. O. DI (1110 | TO DI PREGODITORE |
|-------------|-------------------|--------------|-----------------------|--|---|
| CKCL | a | 100 | F | Toronto, Ont. | Dominion Battery Co., Ltd. |
| CKUA | a | 500 | | Edmonton, Alta. | University, Alta. McClatchey Brdcstg. Co. |
| KMJ | a | 1000 | KN | Fresno, Calif. | McClatchey Brdcstg, Co. |
| KSAC | a | 500 | 2(1) | Manhattan, Kans. Charleston, W. Va. | State College |
| WCHS | a | 500 | C(1) | Charleston, W. Va. | Charleston Brdcstg. Co. |
| WDBO | a | 1000 | C(1) C(5) C2(5) | Orlando, Fla. Topeka, Kans. Urbana, Ill. | Charleston Brdcstg. Co. Orlando Brdcstg. Co., Inc. Topeka Brdcstg. Assn. University of Ill. Worcester Telegram Pub. Co. |
| WIBW | a | 1000 | $C^{2}(5)$ | Topeka, Kans. | Topeka Brdcstg, Assn. |
| WILL | a | 1000 | DX | Urbana, III. | University of Ill. |
| WTAG | a | 1000 | R | Worcester, Mass. | Worcester Telegram Pub. Co. |
| XELO | a | 10000 | | Tiinana B Cfa | Radiodifusora de Piedras Negras |
| XEMU | z | 250 | | Tijuana, B. Cfa. Piedras Negras, Coah. | Radiodifusora de Piedras Negras Radiodifusora de Piedras Negras |
| 1121.10 | - | 2)0 | • • • • | riculas riegras, coan. | Radiodifusora de Fredras 14egras |
| 590 kc | o /5 | നമറ . | m \ | | |
| 000 R | . (υ | 00.4 | ш.) | | |
| KHQ | a | 1000 | R(5) | Spokane, Wash. Boston, Mass. | Louis Wasmer, Inc. CBS, Inc. WKZO, Inc. |
| WEÈI | a | 1000 | C(5) | Boston, Mass. | CBS, Inc. |
| WKZO | a | 1000 | BÒX | Kalamazoo, Mich. | WKZO. Inc. |
| WOW | a | 1000 | R(5) | Omaha, Nebr. | Woodmen of the World |
| | - | -000 | ()) | Jaman, Atobar | Woodings of the World |
| 600 kg | es (4 | 997 | m \ | | 1 |
| | ю. (д | | , | 14: | 1 d 1 |
| CFCF | a | 500 | \mathbf{BF} | Montreal, P. Q. | Canadian Marconi Co. |
| CJOR | a | 500 | | Vancouver, B. C. | G. C. Chandler |
| CMQ | a | 25000 | | Havana, Cuba | Del Jabon Candado |
| FQN | a | 250 | 609 | St. Pierre, Miquelon | Radio Club St. Pierrais |
| KFSD | a | 1000 | В | San Diego, Calif. Baltimore, Md. | Airfan Radio Corp., Ltd. Monumental Radio Co. |
| WCAO | a | 1000 | CJ | Baltimore, Md. | Monumental Radio Co. |
| WICC | a | 500 | BM(1) | Bridgeport, Conn. | Yankee Network, Inc. |
| WMT | a | 1000 | BM(5) | Cedar Rapids, Iowa | Iowa Brdcstg. Co. |
| WREC | a | 1000 | C(5) | Memphis, Tenn. | WREC, Inc. |
| | | | | • • | • |
| 610 kg | o 11 | 01 5 . | m \ | | |
| OIO RO | љ. (т | 01.0 | ш.) | | |
| KFAR | z | 1000 | P | Fairbanks, Alaska | Midnight Sun Brdcstg. Co. Don Lee Network, Inc. Cleveland Radio Brdcstg. Corp. Kansas City Star Co. Isle of Dreams Brdcstg. Corp. |
| KFRC | С | 1000 | M(5) | San Francisco, Calif. | Don Lee Network, Inc. |
| WCLE | a | 500 | DM | Cleveland, Ohio Kansas City, Mo. Miami, Fla. | Cleveland Radio Brdcstg. Corp. |
| WDAF | a | 1000 | R(5) | Kansas City, Mo. | Kansas City Star Co. |
| WIOD | a | 1000 | Na | Miami, Fla. | Isle of Dreams Brdcstg, Corp. |
| WIP | a | 1000 | | Philadelphia, Pa. | |
| WMBF | a | 1000 | Qa | Miami, Fla. | Isle of Dreams Brdcstg, Corp. |
| XEXM | z | 500 | .2 | Mexico City, D. F. | Isle of Dreams Brdcstg. Corp. Secretaria de Education Publica |
| XEYO | z | 500 | .2 | Mexico City, D. F. Mexico City, D. F. | Partido Nacional Revolucionaria |
| | | | | • • | |
| 620 kg | es. (4 | 83.6 | m.) | | |
| | • | | • | | |
| KGW | а | 1000 | R(5) | Portland, Ore. | Oregonian Pub. Co. |
| KTAR | а | 1000 | N _ | Phoenix, Ariz. | KTAR Brdcstg. Co. |
| KWFT | z | 250 | (1) P | Phoenix, Ariz. Wichita Falls, Tex. | Wichita Brdcstg. Co. |
| TIPG | z | 2000 | 625 | San Jose, Costa Rica | Wichita Brdcstg. Co. La Voz de la Victor Fla. West Coast Brdcstg. Co. Pittsburgh Radio Supply House |
| WFLA | a | 1000 | Na(5) | Tampa, Fla. | Fla. West Coast Brdcstg. Co. |
| WHJB | a | 250 | CD | Greensburg, Pa. | Pittsburgh Radio Supply House |
| WLBZ | a | 5 0 0 | CM(1) | Bangor, Maine | Maine Brdcstg. Co., Inc. |
| WSUN | a | 1000 | Na(5) | St. Petersburg, Fla. | Chamber of Commerce |
| WTMJ | a | 1000 | N(5) | Milwaukee, Wis. | The Journal Co. |
| 630 ka | es. (4 | 75.9 | m.) | | |
| | . (<u>.</u> | | | | |
| CFCO | a | 100 | F | Chatham, Ont. | John Beardall |
| CFCY | a | 1000 | F | Charlottetown, P.E.I. | Island Radio Brdcstg. Co. |
| CJRC | a | 500 | <u>F</u> (1) | Winnipeg, Man. | James Richardsons & Sons, Ltd. |
| CKOV | a | 100 | F | Kelowna, B. C. | Okanagan Broadcasters, Ltd. |
| CMCD | a | 250 | | Winnipeg, Man. Kelowna, B. C. Havana, Cuba | La Voz del Aire |
| KFRU | a | 500 | 1(1) | Columbia, Mo. Pierre, S. Dak. | KFRU, Inc. |
| KGFX | a | 200 | D | Pierre, S. Dak. | Mrs. Ida A. McNeil |
| WGBF | a | 500 | NE(1) | Evansville, Ind. | Evansville on the Air, Inc. |
| WMAL | a | 250 | B(.5) | Washington, D. C. | National Brdcstg. Co. |
| WPRO | a | 500 | C(1) | Providence, R. I. | Cherry & Webb Brdcstg. Co. |
| XEZ | z | 500 | | Merida, Yuc. | Jorge L. Palomeque |
| | | | | - | |
| | | | | | |

| 640 kg | s. | (46 8.5 | m.) | | |
|---------------------|--------|-----------------------|----------|--|---|
| KFI WGAN WHKC | z | a 50000 500 500 | DP ML | Los Angeles, Calif. Portland, Me. Columbus, Ohio | Earle C. Anthony, Inc. Portland Brdcstg. Sys., Inc. Associated Radiocasting Corp. |
| WOI | a | 5000 | D | Ames, Iowa | College of Agriculture |
| XEBX | Z | 250 | | Sabinas, Coah. | Benito Garza Ortegon |
| YSS | а | 500 | | San Salvador, E. S. | Republic of San Salvador |
| | s. | (461.3 | | | |
| KIRO | z | 250 | GQ | Seattle, Wash. | Queen City Brdcstg. Co. |
| TIX WSM | z a | 1000 50000 | KMN | San Jose, Costa Rica Nashville, Tenn. | Natl. Life & Accident Insurance Co. |
| 660 kg | | (454.3 | , | | |
| WAAW WEAF | a a | 500 50000 | D R | Omaha, Nebr. | Omah'a Grain Exchange |
| XEAL | z | .1000 | к | New York, N. Y. Mexico City, D. F. | National Brdcstg. Co., Inc. Cia. Pan-Americana de Radio |
| XEAO | a | 250 | | Mexicali, B. Cfa. | Chavezy Castro |
| | s. | (447.5 : | m.) | | |
| WMAQ | a | 50000 | R | Chicago, Ill. | National Brdcstg. Co., Inc. |
| 680 kc | | (440.9 1 | | | |
| CMBQ KFEQ | z a | 5000 2500 | P D | Havana, Cuba St. Joseph, Mo. | Rufino Pazos Hernandez KFEQ, Inc. |
| KPO | a | 50000 | R | San Francisco, Calif. | National Brdcstg. Co., Inc. |
| VAS | a | 2000 | 685 | Glace Bay, N. S. | Canadian Marconi Co: |
| VOWR | С | 500 | 681 | St. John's, Nfld. | Wesley United Church |
| WLAW WPTF | a a | 1000 5000 | D N | Lawrence, Mass. Raleigh, N. C. | Hildreth & Rogers, Co. WPTF Radio Co. |
| | | | | Kaleigh, IV. C. | WFIF Radio Co. |
| 690 kc | s. | (434. 5 1 | m.) | | |
| CFRB | a | 10000 | С | Toronto, Ont. | Rogers Radio Brdcstg. Co. |
| CJCJ | a | 100 | F | Calgary, Alta. | Albertan Publishers, Ltd. |
| XET | а | 500 0 | | Monterery, N. L. | El Pregonero del Norte |
| 700 kc | s. (| (42 8.3 n | | | |
| WLW | а | 500000 | JKMN | Cincinnati, Ohio | Crosley Radio Corp. |
| | | (422.3 | | | o ch nin c |
| KIRO KMPC | a | 1000 500 | CHJ L | Seattle, Wash. Beverly Hills, Calif. | Queen City Brdcstg. Co. The Station of the Stars, Inc. |
| WOR | a | 50000 | КМ | Newark, N. J. | Bamburger Brdcstg. Service |
| XEQ | a | 50000 | | Mexico City, D. F. | Radio Panamerica, S. A. |
| | s. (| (416.4 1 | n.) | | |
| CMK | a | 250 | | Havana, Cuba | Radiodifusora O'Shea |
| WGN XEH | a a | 50000 250 | KM | Chicago, Ill. Monterrey, N. L. | WGN, Inc. Constantino de Ternava |
| AEH | a | 230 | | Monteriey, N. L. | Constantino de Ternava |
| 730 kc | s. (| (41 0.7 1 | • | | |
| CFPL | a | 100 | F | London, Ont. | London Free Press |
| CJCA CKAC | a | 1000 | F C | Edmonton, Alta. Montreal, P. Q. | North Western Publishers, Ltd. |
| CKPR | a a | 5000 100 | F | Fort William, Ont. | La Presse Publishing Co., Ltd. Dougall Motor Car Co. |
| CMCL | z | 10000 | P | Havana, Cuba | Radio City |
| XEPN | a | 100000 | | Piedras Negras, Coah. | Piedras Negras Brdcstg. Co. |
| XERB | a | 100000 | | Rosarito Beach, B. C. | |

| 740 kcs. | (405.2 r | n.) | | , |
|--------------|--------------------------|----------------|--|---|
| KMMJ KTRB | a 1000 a 250 a 250 | D D D | Clay Center, Nebr. Modesto, Calif. | KMMJ, Inc. McTammany & Bates Granite State Brdcstg. Corp. |
| | a 50000 | R | Portsmouth, N. H. Atlanta, Ga. | Atlanta Journal Co. |
| | (399.8 1 | n.) | | |
| CMBL KGU | z 500 a 2500 | ĽN. | Havana, Cuba Honolulu, Hawaii | Radio Cadena Suaritos Advertiser Pub. Co., Ltd. |
| WJR XEAA | a 50000 ' a 200 | C | Detroit, Mich. Mexicali, B. Cfa. | WJR, The Goodwill Station Rosando Herrera |
| XEAM | z 25 | • • • • | Matamoros, Tams. | Manuel Salinas |
| 760 kcs. | (3 94. 5 1 | n.) | | |
| KXA WBAL | a 250 a 2500 | (.5) X BMSy | Seattle, Wash. Baltimore, Md. | American Radio Tel. Co. WBAL Brdcstb. Co. |
| WCAL | a 1000 | 2(5) | Northfield, Minn. | St. Olaf College St. Louis University |
| WEW WJZ | a 1000 a 50000 | D BSy | St. Louis, Mo. New York, N. Y. | St. Louis University National Brdcstg. Co. |
| WLB | a 1000 | 2(5) | Minneapolis, Minn. | University of Minn. |
| XEOK | a 2500 | • • • • | Tijuana, B. Cfa. | Carlos de la Sierra |
| 770 kcs | . (389.4 1 | n.) | | |
| CMBF KFAB | z 5000 a 10000 | CC-V7 | Havana, Cuba | Cia. Cubana de Radio y Television |
| WBBM | a 10000 a 50000 | CSy | Lincoln, Nebr. Chicago, Ill. | KFAB Brdcstg. Co. Columbia Brdcstg. Sys., Inc. |
| | . (384.4 | • | , | |
| CHWK CKSO | b 100 a 1000 | F F | Chilliwack, B. C. Sudbury, Ont. | Chilliwack Brdcstg. Co., Ltd. |
| KEHE | a 1000 | (5) | Los Angeles, Calif. Brookings, S. Dak. Anchorage, Alaska | Sudbury Star Hearst Radio, Inc. |
| KFDY KFQD | a 1000 c 250 | D | Brookings, S. Dak. | S. Dak. State College Anchorage Radio Club |
| KGĤL | a 1000 | N(5) | Billings, Mont. | Northwestern Auto Supply Co. |
| KWLK WEAN | z 250 a 1000 | DP BM(5) | Longview, Wash. | Twin City Brdcstg. Corp. Yankee Network, Inc. |
| WM C | a 1000 | R(5) | Memphis, Tenn. | Memphis Commercial Appeal |
| WPIC WTAR | z 250 a 1000 | DP N | Sharon, Pa. Norfolk, Va. | Sharon Herald Pub. Co. WTAR Radio Corp. |
| XEN | a 1000 | | Mexico City, D. F. | "Radio Mundial" |
| 790 kcs | . (379.5 | m.) | | |
| CMGH KGO | a 250 a 7500 | В | Matanzas, Cuba | Radio Rialto |
| KOAM | a 7500 z 1000 | DN | San Francisco, Calif. Pittsburg, Kans. | National Brdcstg. Co., Inc. Pittsburg Brdcstg. Co., Inc. General Electric Co. |
| WGY | a 50000 | R | Schenectady, N. Y. | General Electric Co. |
| | . (374.8 | m.) | | Y D C.1. 1:- |
| HIX WBAP | a 800 a 50000 | Na | Ciudad Trujillo, D. R. Fort Worth, Tex. | J. R. Saladin Carter Publications, Inc. |
| WFAA WTBO | a 50000 a 250 | Na D | Dallas, Texas Cumberland, Md. | A. H. Belo Corp. Associated Brdcstg. Corp. |
| 310 kcs | . (370.2 | m.) | | |
| CMCF | a 5000 | _ | Havana, Cuba | General Electric of Cuba |
| WCCO WNYC | a 50000 a 1000 | C D | Minneapolis, Minn. New York, N. Y. | Columbia Brdcstg. Sys. City of New York |
| XEBZ | a 100 | | Mexico City, D. F. | Refugio Esperza Vda. de Valezzi |
| XEDF | a 100 | • • • • • | Nuevo Laredo, Tams. | El Pregonero del Bravo |

| ı | ORTH | AMERIC | CAN B. C. STATIO | NS BY FREQUENCIES |
|---|--|--|--|---|
| 820 kcs | s. (365 .6 | 3 m.) | | , |
| CMHW WHAS XEBG | a 5000 z 100 | 0 C | Santa Clara, Cuba Louisville, Ky. Tijuana, B. Cfa. | Guillermo Domenech Galisch Louisville Times Co. Angel B. Fernandez |
| 830 kc | s. (361. | 2 m.) | | |
| CMJX KOA WEEU WHDH WRUF | a 15000 a 100 a 100 a 500 | 00 R 00 D 00 L | Camaguey, Cuba Denver, Colo. Reading, Pa. Boston, Mass. Gainsville, Fla. | Rodolfo Gonzales Solis National Brdcstg. Co., Inc. Berks Brdcstg. Co. Matheson Radio Co., Inc. University of Fla. |
| 840 kcs | s. (356 .9 | 9 m.) | | |
| CBL CFQC VOGY XERA | a 5000 a 100 a 40 a 25000 | 00 F | Toronto, Ont. Saskatoon, Sask. St. Johns, Nfld. Villa Acuna, Coah. | Canadian Brdcstg. Corp. A. A. Murphy & Sons, Ltd. Newfoundland Hotel Cia. Mexicana Radiodifusora Fronteriza |
| 850 kc | s. (35 2 . | 7 m.) | | |
| CMCM KIEV KWKH WESG WKAR WWL | a 2: a 2: z 100 a 100 a 100 a 100 | 60 D 00 GQ 00 CDH 00 DX | Havana, Cuba Glendale, Calif. Shreveport, La. Elmira, N. Y. E. Lansing, Mich. New Orleans, La. | Transtadio Columbia Cannon System, Ltd. International Brdcstg. Corp. Cornell University Mich. State College Loyola University |
| 860 kc | s. (3 4 8. | 6 m.) | | |
| WABC WBOQ WHB XEMO XENC | a 5000 a 5000 a 100 a 500 z | 00 Qa 00 DM | New York, N. Y. New York, N. Y. Kansas City, Mo. Tijuana, B. Cfa. Mexico City, D. F. | Columbia Brdcstg. Sys. Columbia Brdcstg. Sys. WHB Brdcstg. Co. Fernando Federico Ferreira C. de T. de la Industria Electrica |
| 870 k | cs. (344 | l.6 m.) | | |
| WENR WLS XEFB XEJW | a 5000 a 5000 a 20 | 00 Ba | Chicago, Ill. Chicago, Ill. Monterrey, N. L. Mexico City, D. F. | National Brdcstg. Co., Inc. Agricultural Brdcstg. Co. Jesus Quintanilla Dr. Jose Luis Garza G. |
| 880 kcs | s. (3 4 0. | 7 m.) | | |
| CBO CFJC CMW KFKA KLX KPOF WCOC WGBI WQAN WRNL WSUI | a 10 a 10 a 14 a 5 a 10 a 10 a 10 a 5 a 5 a 5 | 00 F 00 F 00 X 00 2M(1) 00 | Ottawa, Ont. Kamloops, B. C. Havana, Cuba Greeley, Colo. Oakland, Calif. Denver, Colo. Meridian, Miss. Scranton, Pa. Scranton, Pa. Richmond. Va. lowa City, Iowa | Canadian Brdestg. Corp. Kamloops Sentinal, Ltd. Troncoso y Gil Mid-Western Radio Corp. Tribune Bldg. Co. Pillar of Fire Mississippi Brdestg. Co. Scranton Broadcasters, Inc. Scranton Times WLBG, Inc. University of Iowa |
| 890 kc | s. (3 36. | 9 m.) | | |
| KARK KFNF KFPY KUSD WBAA WGST WJAR WMMN XEK XEW | a 5 a 5 a 10 a 5 a 5 a 10 a 5 a 10 a 5 a 5 | 000 N(1) 000 2X(1) 000 C(5) 000 2 000 (1) 000 C(5) 000 R(5) 000 CX(1) | Little Rock, Ark. Shenandoah, Iowa Spokane, Wash. Vermillion, S. Dak. W. Lafayette, Ind. Atlanta, Ga. Providence, R: I: Fairmont, W. Va. Mexico City, D. F. Mexico City, D. F. | Ark. Radio & Equipment Co. KFNF, Inc. Symons Brdcstg. Co. University of S. Dak. Purdue University Ga. School of Technology The Outlet Co. Monongahela Valley Brdcstg. Co. Arturo Martinez Cadena Radiodifusora Mexicana |

| | | | | JAN B. C. STATIC | INS BY FREQUENCIES |
|--|---|--|--|--|---|
| 900 ka | es. (8 | 333.1 r | n.) | | |
| KGBU KHJ KSEI WBEN WELI WFMD WJAX WKY WLBL WTAD | a a a a a a a a | 500 1000 250 1000 500 500 1000 1000 5000 1000 | M(5) N(1) R(5) D D N(5) N(5) D | Ketchikan, Alaska Los Angeles, Calif. Pocatello, Idaho Buffalo, N. Y. New Haven, Conn. Frederick, Md. Jacksonville, Fla. Oklahoma City, Okla. Stevens Point, Wis. Quincy, Ill. | Alaska Radio & Service Co. Don Lee Brdcstg. Sys. Radio Service Corp. WBEN, Inc. City Brdcstg. Corp. Monocacy Brdcstg. Co. City of Jacksonville WKY Radiophone Co. Dept. of Agriculture & Markets Illinois Brdcstg. Corp. |
| 910 kg | s. (3 | 3 2 9.6 r | n.) | | |
| CBF | a | 50000 | FN | Montreal, P. Q. Trail, B. C. | Canadian Brdcstg. Corp. |
| CJAT CKY XENT | a a a | 1000 15000 150000 | F F | Winnipeg, Man. Nuevo Laredo, Tams. | Canadian Brdcstg. Corp. Kootenay Brdcstg. Co., Ltd. Manitoba Telephone Sys. Cia. Industrial Universal, S. A. |
| 920 kg | es. (3 | 325.9.) | | , | |
| CMX KFEL KOMO KPRC KVOD WAAF WORL WPEN WRAX WSPA WWJ | a a a a a a a a | 1000 500 1000 1000 500 1000 500 1000 10 | X Ma R(5) R(5) Ba D D Q D R | Havana, Cuba Denver, Colo. Seattle, Wash. Houston, Texas Denver, Colo. Chicago, III. Boston, Mass. Philadelphia, Pa. Philadelphia, Pa. Spartanburg, S. C. Detroit, Mich. | Casa Lavin Eugene P. OFallon, Inc. Fishers Blend Station, Inc. Houston Printing Corp. Colorado Radio Corp. Drovers Journal Pub. Co. Brdcstg. Service Organization Wm. Penn Brdcstg. Co. WRAX Brdcstg. Co. Voice of S. Carolina Evening News Assn. |
| 930 kc | es. (3 | 3 22 .4 1 | m.) | | |
| CFAC CFCH CFLC CHNS CKPC KMA KROW WBRC WDBI XEBH | а а а а а а а а а а а а а а а а а а а | 1000 100 100 1000 1000 1000 1000 1000 | F F F B(5) R(5) C(5) | Calgary, Alta. North Bay, Ont. Prescott, Ont. Halifax, N. S. Brantford, Ont. Shenandoah, Iowa Oakland, Calif. Birmingham, Ala. Roanoke, Va. Hermosillo, Son. | South Western Publishers, Ltd. Northern Brdc. Co. Radio Ass'n. of Prescott Maritime Brdcstg. Co., Ltd. Telephone City Brdcstg. Ltd. Earl E. May Co. Educational Brdcstg. Co'rp. Birmingham Brdcstg. Co. Times World Corp. Carlos Balderrama |
| 940 kc | s. (3 | 319 m. |) | | |
| KOIN WAAT WAVE WCSH WDAY WHA WICA XEFO | a a a a a a | 1000 500 1000 1000 1000 5000 250 5000 | C(5) D N R(2.5) N(5) D D | Portland, Ore. Jersey City, N. J. Lousville, Ky. Portland, Me. Fargo, N. Dak. Madison, Wis. Ashtabula, Ohio Mexico City, D. F. | KOIN, Inc. Bremer Brdcstg. Corp. WAVE, Inc. Congress Sq. Hotel Co. WDAY, Inc. University of Wis. WICA, Inc. |
| 950 kc | s. (3 | 15.6 n | n.) | | |
| CJOC CMBC CRCK KFWB KMBC WHAL WRC | a z a a z a z | 100 150 1000 1000 1000 500 1000 1000 | F (5) C(5) DP R(5) DP | Lethridge, Alta. Havana, Cuba Quebec, P. Q. Los Angeles, Calif. Kansas City, Mo. Saginaw, Mich. Washington, D. C. Troy, N. Y. | H. R. Carson, Ltd. El Progreso Cubano Canadian Brdestg. Corp. Warner Bros. Brdestg. Corp. Midland Brdestg. Co. Gross & Shields National Brdestg. Co., Inc. Troy Brdestg. Co. |

| 960 kcs. (| (312.3 m.) | | |
|--|---|---|---|
| CFRN a CHNC a CMKS z CRCY c XEAW c | 100 F 1000 F 60 100 F | Edmonton, Alta. New Carlisle, P. Q. Guantanamo, Cuba Toronto, Ont. Reynosa, Tams. | G. R. A. Rice Gaspesian Radio Co., Ltd. Candido Savon Suarez Canadian Brdcstg. Corp. Cia. Int. Difusora Reynosa |
| | /00°0 1 | | • |
| 970 kcs. (| | H C-1- | Callatan or Patrical |
| CMBY z KJR a WCFL a WIBG a | 200 5000 B 5000 N 100 D | Havana, Cuba Seattle, Wash. Chicago, Ill. Glenside, Pa. | Callejas y Estefani Fishers Blend Station, Inc. Chicago Federation of Labor Seaboard Brdcstg. Corp. |
| 980 kcs. (| (306 m.) | | |
| KDKA b XEAC a XEFE z | 50000 B 1000 250 Z | Pittsburgh, Pa. Tijuana, B. Cfa. Nuevo Laredo, Tams. | Westinghouse Elec. & Mfg. Co. Jorge I. Rivera Rafael T. Carranza |
| 990 kcs. (| (302.8 m.) | | |
| CMKL z WBZ a WBZA a XEAF a XES a | 200 50000 BSy 1000 BSy 750 250 | Bayamo, Cuba Boston, Mass. Springfield, Mass. Nogales, Son. Tampico, Tams. | Alberto Alvarez Ferrera Westinghouse Elec. & Mfg. Co. Westinghouse Elec. & Mfg. Co. Francisco G. Elias Fernando Sada |
| 1000 kcs. | (299.8 m.) | | |
| CMBZ a KFVD a VOCM z WHO a XEBI a | 500 X(1) 1000 L 200 1006 50000 KR 25 | Havana, Cuba Los Angeles, Calif. St. John's Nfld. Des Moines, Iowa Aguascalientes, Ags. | Radio Salas Standard Brdcstg. Co. St. John's Eve. Telegram Central Brdcstg. Co. Pedro C. Rivas |
| 1010 kcs. | (296.9 m.) | | |
| CHML a CKCD a CKCK a CKCC a CKIC a CKWX a CMJA a KGGF a KOW a WHN a WNOX a WNOX a XFFQ a XEU a | 100 F 100 1 1000 F 100 F 100 F 100 F 50 100 1 250 1000 2M 1000 M 1000 (5) 1000 2 1000 C(5) 50 | Hamilton, Ont. Vancouver, B. C. Regina, Sask. Ottawa, Ont. Wolfville, N. S. Vancouver, B. C. Camaguey, Cuba Coffeyville, Kans. San Jose, Calif. New York, N. Y. Norman, Okla. Knoxville, Tenn. Cananea, Son. Veracruz, Ver. | Maple Leaf Radio Co. Vancouver Daily Province Leader-Post, Ltd. Dr. G. M. Geldert Acadia University Western Brdcstg. Co., Ltd. Rafael Valdes Powell & Platz Pacific Agricultural Foundation Marcus Loew Booking Agency University of Okla. Scripps-Howard Radio, Inc. Pedro L. Diaz Fernando Pazos S. |
| 1020 kcs. | (293.9 m.) | | |
| KYW a WDZ a XEJ a | 10000 R 250 D 1000 | Philadelphia, Pa. Tuscola, Ill. Juarez, Chih. | Westinghouse Elec. & Mfg. Co. WDZ Brdcstg. Co. Pedro Meneses, Jr. |
| 1030 kcs. | (291.1 m.) | | |
| CFCN a CJBR z CKLW a CMCK a XEB a | 10000 1000 F 5000 FM 5000 10000 | Calgary, Alta. Rimouski, P. Q. Windsor, Ont. Havana, Cuba Mexico City, D. F. | Voice of the Prairies, Ltd. J. A. Brillant Western Ont. Brdcstg. Co. Luís Casas R. El Buen Tono, S. A. |

| 1040 kcs | . (288.3 | m.) | | |
|--|--|---|--|--|
| KRLD 2 | | CX | Dallas, Texas | KRLD Radio Corp. |
| KTHS 2 KWJJ 2 | | GQ D | Hot Springs, Ark. | Chamber of Commerce KWJJ Broadcast Co. |
| KYOS 1 | | H | Merced, Calif. Portland, Ore. | Merced Star Pub. Co. Cornell University |
| WESG : | | ĞQ | Elmira, N. Y. | Cornell University |
| WTIC | | R | Hartford, Conn. | Travelers Brdcstg. Service Corp. |
| 1050 kcs | • | • | | |
| CBM a | | FR. | Montreal, P. Q. | Canadian Brdcstg. Corp. |
| HIT | | | Santiago, Cuba Ciudad Trujillo, D. R. | Radioemisora Oriental A. L. Pichardo |
| KFBI 2 | 5000 | L | Abilene, Kans. | Farmers and Bankers Brdcstg. Corp. |
| KNX & | | C D | Los Angeles, Calif. Eau Claire, Wis. | CBS, Inc. |
| WIBC | | Ď | Indianapolis, Ind. | Central Brdcstg. Co. Indiana Brdcstg. Corp. |
| 1060 kcs | . (2 8 2 .8 | | | |
| KTHS KWJJ | | HN GO | Hot Springs, Ark. | Chamber of Commerce |
| VOAC | | 1065 | Portland, Ore. St. John's, Nfld. | KWJJ Broadcast Co., Inc. |
| WBAL : | | BHM | St. John's, Nfld. Baltimore, Md. Norfolk, Nebr. | WBAL Brdcstg. Co. |
| WJAG 2 W3XJ 2 | | DH P | Norfolk, Nebr. College Park, Md. | Norfolk Daily News McNary & Chambers |
| | | _ | · Conege Talk, Md. | nicitally & Chambers |
| 1070 kcs | • | m.) | | |
| CMBX 2 | | | Havana, Cuba | Vicente Espinosa Abelardo Menocal |
| KJBS 2 | | Ĺ | Sagua la Grande, Cuba San Francisco, Calif. | Julius Brunton & Sons |
| WCAZ 2 | 100 | D | Carthage, Ill. | Superior Brdcstg. Service., Inc. |
| WTAM a | 50000 | R | Cleveland, Ohio | National Brdcstg. Co., Inc. |
| | | | | |
| 1080 kcs | . , | | | |
| WBT a | 50000 | С | Charlotte, N. C. | Columbia Brdcstg. Sys. |
| | 50000 5000 | | Chicago, Ill. | Columbia Brdcstg. Sys. |
| WBT 2 WCBD 2 WMBI 2 XEBA 2 | 50000 5000 5000 20 | C 1 L | Chicago, Ill. Chicago, Ill. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco |
| WBT 2 WCBD 2 WMBI 2 XEBA XEBK 2 | 50000 5000 5000 20 100 | C 1L 1L | Chicago, Ill. Chicago, Ill. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice |
| WBT 2 WCBD 2 WMBI XEBA XEBK XEDP 2 | 50000 5000 5000 20 100 500 | C 1L 1L | Chicago, Ill. Chicago, Ill. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco |
| WBT WCBD WMBI XEBA XEBK XEDP 2 | 50000 5000 5000 20 100 500 | C 1L 1L | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda |
| WBT 2 WCBD 2 WMBI XEBA XEBK XEDP 2 | 50000 5000 5000 20 100 500 . (275.1 | C 1L 1L | Chicago, Ill. Chicago, Ill. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice |
| WBT WCBD WMBI XEBA XEBK XEDP 2000 kcs | 50000 5000 5000 20 100 500 . (275.1 740 50000 | m.) | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 | m.) m.) F | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. |
| WBT WCBD & WMBI XEBA XEBK XEDP & YEBK XEDP | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 | m.) F DM | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 10000 | m.) m.) F | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. |
| WBT WCBD WMBI XEBA XEBK XEDP 2 1090 kcs HIN KMOX 2 1100 kcs CBR KGDM KWKH WBIL WPG 2 | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 1000 1000 5000 5000 | m.) F DM CH | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 1000 1000 5000 5000 | m.) C m.) F DM CH 1 | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova |
| WBT WCBD WMBI XEBA XEBK XEDP 2 1090 kcs HIN KMOX 2 1100 kcs CBR KGDM KWKH WBIL WPG 2 | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 10000 5000 5000 250 | C 1L 1L m.) C m.) F DM CH 1 C1 | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 10000 5000 5000 5000 5000 | C 1L 1L m.) C m.) F DM CH 1 C1 | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL 1110 kcs CMCJ KSOO | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 10000 5000 5000 250 . (270.1 | C 1L 1L m.) C m.) F DM CH 1 C1 M.) X LN | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. Radio Emisora Comercial Sioux Falls Broadcast Assn. |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL 1110 kcs CMCJ | 50000 5000 5000 20 100 500 (275.1 740 50000 (272.6 5000 10000 5000 5000 250 (270.1 | C 1L 1L m.) C m.) F DM CH 1 C1 m.) X | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL 1110 kcs CMCJ KSOO A WRVA | 50000 5000 5000 20 100 500 . (275.1 740 50000 . (272.6 5000 10000 5000 5000 250 . (270.1 | C 1L 1L m.) C m.) F DM CH 1 C C m.) X LN CM | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. Radio Emisora Comercial Sioux Falls Broadcast Assn. |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL 1110 kcs CMCJ KSOO WRVA 1120 kcs | 50000 5000 5000 20 100 5000 . (275.1 740 50000 . (272.6 5000 10000 5000 5000 250 . (270.1 500 500 | C 1L 1L m.) C m.) F DM CH 1 C C m.) X LN CM | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. Havana, Cuba Sioux Falls, S. Dak. Richmond, Va. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. Radio Emisora Comercial Sioux Falls Broadcast Assn. Larus & Bros. Co., Inc. |
| WBT WCBD WMBI XEBA XEBK XEDP 1090 kcs HIN KMOX 1100 kcs CBR KGDM KWKH WBIL WPG XEL 1110 kcs CMCJ KSOO WRVA 1120 kcs | 50000 5000 5000 20 100 500 (275.1 740 50000 (272.6 5000 10000 5000 6000 5000 | C 1L 1L m.) C m.) F DM CH 1 C1 M.) X LIN CM m.) | Chicago, Ill. Chicago, Ill. Guzman, Jal. Nuevo Laredo, Tams. Mexico City, D. F. Ciudad Trupillo, D. R. St. Louis, Mo. Vancouver, B. C. Stockton, Calif. Shreveport, La. New York, N. Y. Atlantic City, N. J. Mexico City, D. F. | Columbia Brdcstg. Sys. WCBD, Inc. Moody Bible Institute Javier Velasco Indo Latin Voice Dpto. de Publicidad y Propaganda Frank Hatton Columbia Brdcstg. Sys. Canadian Brdcstg. Corp. E. F. Peffer International Brdcstg. Corp. Arde Bulova City of Atlantic City Financiera de Inversiones, S. A. Radio Emisora Comercial Sioux Falls Broadcast Assn. |

| CKOC CKX CMGF CMKM CRCS KFIO KFSG KRKD KRSC KTBC WCOP WDEL WISN WJBO WTAW | a a a a a a a a a a a a | 500 1000 75 100 100 500 500 250 1000 500 250 250 250 500 | F(1) F F D a(2.5) a(2.5) DP D R(.5) C(1) B L | Hamilton, Ont. Brandon, Man. Matanzas, Cuba Manzanillo, Cuba Chicoutimi, P. Q. Spokane, Wash. Los Angeles, Calif. Los Angeles, Calif. Seattle, Wash. Austin, Texas Boston, Mass. Wilmington, Del. Milwaukee, Wis. Baton Rouge, La. College Station, Tex. | Wentworth Radio Brdcstg. Co. Manitoba Telephone Sys. Bernabe R. de la Torre Raimundo Comas Soler Canadian Brdcstg. Corp. Spokane Brdcstg. Corp. Echo Park Evangelistic Assn. Radio Broadcasters, Inc. Radio Sales Corp. State Capitol Brdc. Assn. Mass. Brdcst'g. Corp. WDEL, Inc. Hearst Radio, Inc. Baton Rouge Brdcst. Co. Agricultural and Mechanical College |
|---|-------------------------|---|---|--|---|
| 1130 k | cs. | (265.3 | m.) | | |
| CMJI KSL WJJD WOV XEJP | a a a z | 150 50000 20000 1000 100 | D | Ciego de Avila, Cuba Salt Lake City, Utah Chicago, Ill. New York, N. Y. Mexico City, D. F. | Gilberto Gesse Lopez Radio Service Corp. WJJD, Inc. International Brdcstg. Corp. Salvador Monterrubio R. |
| 1140 k | cs. | (263 n | 1.) | | |
| CMCW KVOO | b | 150 | N | Havana, Cuba | J. Vilarino y Cia. |
| WAPI | a a | 25000 5000 | С | Tulsa, Okla. Birmingham, Ala. | Southwestern Sales Corp: University of Ala. State College Conn. Valley Brdcstg. Co. |
| WSPR | а | 500 | DM | Springfield, Mass. | Conn. Valley Brdcstg. Co. |
| 1150 k | cs. | (260.7 | m.) | | |
| CMJF WHAM | z a | 200 50000 | в | Camaguey, Cuba Rochester, N. Y. | John L. Stowers Stromberg-Carlson Mfg. Co. |
| XEBP XEC | z a | 250 100 | | Durango, Dgo. Tijuana, B. Cfa. | Manuel Cano Maldonado Luis F. Encisco |
| XEDW | z | 20 | | Minatitlan, Ver. | Hector Silva Canto |
| 1160 k | cs. | (258.5 | m.) | | |
| CMHJ | a | 100 | | Cienfuegos, Cuba | Romualdo Ugalde |
| CMKG WOWO | z a | 10000 | 1B | Santiago, Cuba Fort Wayne, Ind. | Emilio Grau Medina Westinghouse Station |
| WWVA | a | 5000 | 1C | Fort Wayne, Ind. Wheeling, W. Va. | W. Va. Brdestg. Corp. La Voz del Comercio en Saltillo Cia. Radiofonografica |
| XEAS XED | a | 100 2500 | | Saltillo Coah. Guadalajara, Jal. | Cia. Radiofonografica |
| XEFM XEP | z a | 20 500 | | Leon, Gto. Juarez, Chih. | Raul Ortis Esteban Perra |
| | | | | | |
| 1170 k | | (256.3 | m.) | | Parisma Astalia |
| CMBS WCAU | a | 150 50000 | X C | Havana, Cuba Philadelphia, P a. | Enrique Artalejo WCAU Brdcstg. Co. |
| XEXX | z | 1000 | | Mexico City, D. F. | _ |
| 1180 k | es. | (254.1 | m.) | | |
| CMJO | a | 50 | | Ciego de Avila, Cuba | Bonifacio Ildefonso |
| KEX KOB | a a | 5000 10000 | 2B 2N | Portland, Ore. Albuquerque, N. Mex. | Oregonian Pub. Co. Albuquerque Brdcstg. Co. |
| WDGY WINS | a | 1000 | | Albuquerque, N. Mex. Minneapolis, Min. | Dr. Geo. W. Young |
| wmaz | a a | 1000 1000 | C(5) | New York, N. Y. Macon, Ga. | Hearst Radio, Inc. Southeastern Brdcstg. Co. |
| XEFA | z | 500 | | Tavuba, D. F. | Eduardo Limon Segui |
| 1190 k | cs. | (252 r | n.) | | |
| CMKX | z | 75 | | Santiago, Cuba | Oscar Vidal Benitez |
| KTKC | а | 250 | D | Visalia, Calif. | Tulare-Kings Counties Radio Ass'n. |

| VONF | a | 500 | 1195 | St. John's Nfld. | Dominion Brdcstg. Co., Ltd. |
|---|--------|----------------|------------------|--|--|
| WATR | a | 100 | DXZ | Waterbury, Conn. | WATR Co., Inc. Southland Industries, Inc. |
| WOAI WSAZ | a a | 50000 1000. | N L | San Antonio, Tex. Huntington, W. Va. | Southland Industries, Inc. WSAZ, Inc. |
| *************************************** | 4 | 1000. | - | riummgton, w. va. | world, Inc. |
| 1200 | kcs. | (249.9 | m.) | | |
| CFGP | z | 100 | • | Grande Prairie, Alta. | Northern Brdcstg. Corp. |
| CHAB | a | 100 | F | Moose Jaw, Sask. Wingham, Ont. | CHAB, Ltd. |
| CKNX | b | 100 | ř | Wingham, Ont. | Wingham Radio Club. |
| CKTB CMCO | a a | 100 150 | | St. Catharines, Ont. Havana, Cuba | E. T. Sandell Enrique Lasanta |
| KADA | a | 100 | М | Ada, Okla. | C. C. Morris |
| KBTM | a | 100 | D | Jonesboro, Ark. | Regional Brdcstg. Co. |
| KDNC KELO | z z | 100 100 | (.25)P N | Lewistown, Mont. | Democrat-News Co. |
| KFJB | a | 100 | (.25) | Sioux Falls, S. Dak. Marshalltown, Iowa | S. F. Broadcast Ass'n. Marshall Electric Co. |
| KFXD | a | 100 | (.25) | Nampa, Idaho | Frank E. Hurt |
| KFXJ | a | 100 | (.25) | Nampa, Idaho Grand Junction, Colo. Coeur d'Alene, Idaho | Western Slope Brdcstg. Co. |
| KGCÎ KGDE | z C | 100 100 | DP (.25) | Coeur d'Alene, Idaho | C. A. Berger and S. S. Freeman |
| KGEK | a | 100 | L.23) | Fergus Ralls, Minn. Sterling, Colo. | Charles L. Jaren Elmer G. Beehler Ben S. McGlashen |
| KGFJ | a | 100 | | Los Angeles, Calif. | Ben S. McGlashen |
| KGHI | a | 100 100 | (.25) | Little Rock, Ark. Greenville, Tex. | Arkansas Brdcstg. Co. |
| KGVL KMLB | z a | 100 | DP (.25) | Monroe, La. | Hunt Brdcstg. Ass'n. Liner's Brdcstg. Station, Inc. |
| KOOS | a | 100 | (.25) | Marshfield, Ore. | KOOS, Inc. |
| KSUN | a | 100 | (.25) | Lowell, Ariz. | Copper Electric Co., Inc. |
| KVCV KVEC | a a | 100 100 | (.25) | Redding, Calif. | Golden Empire Brd. Co. |
| KVOS | b | 100 | M (.23) | San Luis Obispo, Calif. Bellingham, Wash. | Valley Elec. Co. KVOS, Inc. |
| KWG | a | 100 | N | Stockton, Calif. | McClatchy Brdcstg. Co. |
| KWNO | | 250 100 | D | Bellingham, Wash. Stockton, Calif. Winona, Minn. Bangor, Maine | Winona Radio Service |
| WABI WAIM | a a | 100 | (.25) C | Anderson S C | Community Brdcstg. Service Anderson College |
| WAYX | a | 100 | (.25) | Anderson, S. C. Waycross, Ga. | Waycross Brdcstg. Co. |
| WBBZ | a | 100 | M(.25) | Ponca City, Okla Huntsville, Alta. | Adelaide L. Carrell Wilton H. Pollard |
| WBHP WBNO | a a | 100 100 | 2 | Huntsville, Alta. | Wilton H. Pollard Coliseum Place Baptist Church |
| WCAT | a | 100 | Ď | New Orleans, La. Rapid City, S. Dak. Burlington, Vt. Janesville, Wis. Cincinnati, Ohio | School of Mines |
| WCAX | а | 100 | (.25) | Burlington, Vt. | Burlington Daily News, Inc. |
| WCLO. | . a | 100 100 | (.25) (.25) | Janesville, Wis. | Gazette Printing Co. |
| WCPO WDSM | a z | 100 | P (.23) | Superior. Wis. | Scripps-Howard Radio Fred A. Baxter |
| WENY | z | 250 | DP | Superior, Wis. Elmira, N. Y. | Elmira Star-Gazette |
| WEST | a | 100 100 | 3(.25) 4 | Easton, Pa. | Associated Broadcasters, Inc. |
| WFAM WFTC | a a | 100 | (.25) | South Bend, Ind. iKnston, N. C. | South Bend Tribune |
| WHBC | a | 100 | (.25) | Canton Ohio | Jonas Weiland Ohio Brdcstg. Co. |
| WHRA | а | 100 | (.25) | Green Bay, Wis. | WHBY, Inc. WIBX, Inc. |
| WIBX WIL | a a | 100 100 | C(.25) | Green Bay, Wis. Utica, N. Y. St. Louis, Mo. | WIBX, Inc. |
| WJBC | a | 100 | 5(.25) | Bloomington, Ill. | Missouri Brdcstg. Corp. Kaskaskia Brdcstg. Co. |
| WJBL | a | 100 | 5 | Decatur, Ill. | Commodore Brdcstg. Co. |
| WJBW | a | 100 | 2 (25 \ D | New Orleans, La. | Charles C. Carlson |
| WJHL WJNO | z a | 100 100 | (.25)P C(.25) | Johnson City, Tenn. W. Palm Beach, Fla. | Johnson City Brdcstg. Co. WJNO, Inc. |
| WJRD | a | 250 | D | Tuscaloosa, Ala. | witto, inc. |
| WKBO | a | 100 | 3(.25) | Harrisburg, Pa. Lynchburg, Va. High Point, N. C. | Keystone Brdcstg. Corp. |
| WLVA | a | 100 100 | (.25) D | Lynchburg, Va. | Lynchburg Brdcstg. Corp. |
| WMFR WMPC | a a | 100 100 | (.25) | Lapeer, Mich. | Radio Station WMFR, Inc. First Methodist Church |
| WOLS | z | 10 0 | Ď | Florence, S. C. | O. Lee Stone |
| WRBL | а | 100 | (.25) | Columbus, Ga. | Columbus Brdcstg. Co. |
| WSAL WTHT | z | 250 100 | D M | Salisbury, Md. Hartford, Conn. | Frank M. Stearns Hartford Times, Inc. |
| WTOL | a a | 100 | D | Toledo, Ohio | Community Brdcstg. Co. |
| WWAE | a | 100 | $\widetilde{4}$ | Hammond, Ind. | Hammond-Calumet Corp. |
| XEBU | z | 50 | • • • • | Chihuahua, Chih. | Feliciano Lopez Islas |

| | 110. | | | | |
|---|---------------|--|-------------|--|--|
| 1210 | kcs. | (247 .8 | m.) | | |
| CHLT | z | 100 | | Sherbrooke, P. Q. | La Tribune, Ltd. |
| CJCS | a | 50. 50 | | Stratford, Ont. Aklavik, N. W. T. | Frank M. Squires |
| CJCU CKBI CKCH CKMC CMHI KALB KANS KASA | Z | 100 | F F | Aklavik, N. W. 1. Prince Albert, Sask. Hull, P. Q. Cobalt, Ont. Santa Clara, Cuba Alexandria, La. Wichita, Kans. Elk City, Okla. | Dr. J. A. Urquahart Prince Albert Radio Club |
| CKCH | a | 100 | F | Hull, P. Q. | CKCH Radio Brdcstg. Co. |
| CKMC | a | 50 | | Cobalt, Ont. | R. L. MacAdam |
| CMHI | a | 250 | | Santa Clara, Cuba | Lavis y Paz |
| KALB | а | 100 | (.25) | Alexandria, La. | Alexandria Brdcstg. Co. |
| KANS | a c | 100 | | Elk City Okla | E. M. Woody |
| KASA KDLR | a | 100 | | Elk City, Okla. Devils Lake, N. Dak. Monterey, Calif | KANS Brdcstg. Co. E. M. Woody KDLR, Inc. |
| KDON | z | 100 100 50 250 100 100 100 100 100 | M | Monterey, Calif. Klamath Falls, Ore. | Monterey Peninsula Brdcstg. Co. |
| KFJI | a | | | Klamath Falls, Ore. | KFJI Broadcasters, Inc. Cornbelt Brdcstg. Corp. |
| KFOR | a | 100 | CM(.25 | i) Lincoln, Nebr. | Southwestern Hotel Co. |
| KFPW | a | 100 100 | 5(.25) | Fort Smith, Ark. | Radio Station KFVS |
| KFVS KFXM KGLO KGY | a a | 100 | 2M | San Bernardino, Calif. | Lee Brothers Brdcstg. Co. |
| KGLO | a | 100 | C(.25) | Mason City, Iowa | Mason City Globe Gazette |
| KGY | a | | M | Olympia, Wash. Okmulgee, Okla. | KGY, Inc. |
| KHBG | z | 100 | D | Okmulgee, Okla. | Okmulgee Brdc. Corp. |
| KIUL | a | 100 | (25) | Garden City, Kans. | Garden City Brdc. Co. Carlsbad Brdcstg. Co. |
| KLAH | a | 100 100 | (.25) | Garden City, Kans. Carlsbad, N. Mex. Kilgore, Texas Helena, Mont. | Oil Capital Brdc. Ass'n. |
| KPFA | a | 100 | N(.25) | Helena, Mont. | Oil Capital Brdc. Ass'n. Peoples Forum of the Air |
| KPPC | a | 100 | 2 | rasadna, Cam. | Pasadena Presbyterian Church |
| KROY | a | 100 | CD | Sacramento, Calif. | Royal Miller |
| KVSO | a | 100 100 | D(25) | Ardmore, Okla. Globe, Ariz. | Ardmoreite Pub. Co. Sims Brdcstg. Co. |
| WAIR | 2 | 100 | :: | Zanesville, Ohio | WALR Brdcstg. Corp. |
| WBAX | a | 100 | M | Wilkes-Barre, Pa. | WALR Brdcstg. Corp. John H. Stenger, Jr. |
| WBBL | a | 100 | S | Richmond, Va. | Grace Presbyterian Church |
| KGY KHBG KIUL KLAH KOCA KPFA KPPC KROY KVSO KWJB WALR WBAX WBAX WBBL WBRB WCOL | а | 100 | D | Lima, Ohio | Herbert Lee Bly Monmouth Brdcstg. Co. |
| WBRB | a | 100 100 | 3 N | Red Bank, N. J. Columbus, Ohio Lewiston, Maine | WCOL, Inc. |
| WCOL | a | 100 | ٠٠. | Lewiston, Maine | Twin City Brdcstg. Co., Inc. |
| WCOV | | 100 | DP | Montgomery, Ala. | Allen & Covington |
| WCRW | a | 100 | 4 | Chicago, Ill. | Clinton R. White |
| WEBQ WEDC WFAS | a | 100 100 | 4 | Harrisburg, Ill. Chicago, Ill. | Harrisburg Brdcstg. Co. Emil Denmark |
| WEDC | a a | 100 | 3 | White Plains N. Y. | Westchester Brdcstg. Corp. |
| WFOY | a | 100 | (.25) | White Plains, N. Y. St. Augustine, Fla. Freeport, N. Y. Gulfport, Miss. Newburgh, N. Y. Grenade, Miss. | Westchester Brdcstg. Corp. Fountain of Youth Properties |
| WGBB | | 100 | 3 | Freeport, N. Y. | Harry H. Carman WGGM, Inc. |
| WGCM | a | 100 | (.25) | Gulfport, Miss. | WGGM, Inc. |
| WGNY | | 100 100 | 3 | Newburgh, N. Y. | Peter Goelet |
| WGRM | | 250 | DP. | Grenada, Miss. Greenfield, Mass. | John W. Haigis |
| WHAI WHBF | | 100 | DP (.25) | Rock Island, III. | Peter Goelet P. K. Ewing John W. Haigis Rock Island Brdcstg. Co. |
| WHBU | | 100 | (.25) | Anderson, Ind. Poynette, Wis. Gadsden, Ala. | Anderson Brdcstg. Corp. Wm. C. Forrest |
| WIBU | a | 100 | (.25) | Poynette, Wis. | Wm. C. Forrest |
| WJBY | a | 100 100 | (.25) | Gadsden, Ala. | Gadsden Brdcstg. Co. Hagerstown Brdcstg. Co. |
| WJEJ | a z | 100 | (.25) | Hagerstown, Md. Lansing, Mich. | Harold F. Gross |
| WJIM WJMC | | 250 | DP | Rice Lake. Wis. | Harold F. Gross Walter H. McGenty |
| WJTN | | 100 | B(.25) | Rice Lake, Wis. Jamestown, N. Y. | James Brdcstg. Co., Inc. |
| WJW | a | 100 | | Akron, Ohio | WJW, Inc. |
| WKOK | | 100 | L (.25) | Sunbury, Pa. Hibbing, Minn. | Sunbury Brdcstg. Corp. Head of the Lakes Brdcstg. Co. |
| WMFG | | 100 100 | (.2) | Cape Cod, Mass. | Cape Cod Brdesta Co. |
| WOCB WOM1 | . z | 100 | | Manitowoo Wis | Cape Cod Brdcstg. Co. Francis M. Kadow |
| WPAX | | 100 | D | Manitowoc, Wis. Thomasville, Ga. | H. Wimpy |
| | | 100 | (-25)P | | Capitol Brdcstg. Co., Inc. |
| WRAL WSAY | z | 100 | (.25) | Rochester, N. Y. Chicago, Ill. | Brown Radio Service |
| WSBC | а | 100 | 4(.25) | Chicago, III. | WSBC, Inc. WSIX, Inc. |
| WSIX | a | 100 1 00 | D. | Bridgeton, N. I. | Fastern States Brdc Corn |
| WSNJ WSOC | z a | 100 | N(.25) | Charlotte, N. C. | WSOC, Inc. |
| WTAX | | 100 | | Nashville, Tenn. Bridgeton, N. J. Charlotte, N. C. Springfield, III. | WSOC, Inc. WTAX, Inc. |
| XEAT | a | 250 | | Parral, Chih. | David G. Cervantes |
| | | | | | |

| XEE XEFV XETH | a a z z | 50 100 100 100 100 | (.25) P (.25) P | Durango, Dgo. Juarez, Chih. Puebla, Pue. Charleston, S. C. Petersburg, Va. | Alejandro O. Stevenson, Jr. Dario Cordoba Ramon Huerta G. Scarborough and Orvin Petersburg Newspaper Corp. |
|---------------------|------------------|--------------------------------|--------------------|--|--|
| 1220 | kcs. | (245.8 | m.) | | |
| CMJE | z | 50 | | Camaguey, Cuba | Primo Alfonso Casares |
| KFKU | a | 1000 | a(5) | Camaguey, Cuba Lawrence, Kans. | University of Kans. |
| KTMS KTW | z a | 500 1000 | B 2S | Santa Barbara, Calif. Seattle, Wash. | News Press Pub. Co. First Presbyterian Church |
| KWŜC | а | 1000 | 2(5) | Pullman, Wash. | State College |
| WCAD | | 500 1000 | D MD(s) | Canton, N. Y. | St. Lawrence University |
| WCAE WDAE | | 1000 | MR(5) C(5) | Pittsburgh, Pa. Tampa, Fla. | WCAE, Inc. Tampa Times Co. |
| WREN | a | 1000 | Ba(5) | Lawrence, Kans. Mazatlan, Sin. | WREN Brdcstg. Co. Ignacio L. Saiz |
| XEBL XEDA | a z | 50 200 | | Mazatlan, Sin. Gral. Anaya, D. F. | Ignacio L. Saiz Pedro Reistra Diaz |
| XETF | a | 12 | | Veracruz, Ver. | Jose Rodriguez Lopez |
| 1230 | kcs. | (24 3.8 | m.) | | |
| CMBC | z | 150 | :: | Havana, Cuba | La Metropolitana |
| KGBX KGGB | a a | 500 1000 | N | Springfield, Mo. Albuquerque, N. Mex. | Springfield Brdcstg. Co. New Mex. Brdcstg. Co. |
| KYA | a | 1000 | (5) | San Francisco, Calif. | Hearst Radio, Inc. |
| WFBM | a | 1000 | C(5) | Indianapolis, Ind. | Ind. Power & Light Co. |
| WNAC XEAZ | a z | 1000 200 | R(5) | Boston, Mass. Zacatecas, Zac. | Yankee Network, Inc. |
| XEG | z | 250 | | Monterrey, N. L. | Rodolfo Junco de la Vega |
| | | (24 1.8 | - | | |
| CJCB CMHB | a | 1000 | F | Sydney, N. S. Sancti Spiritus, Cuba | Eastern Brdcasters, Lt. V. E. Weiss y Cia. Mandan Radio Assn. |
| KGCU | z a | 50 250 | | Mandan, N. Dak. | Mandan Radio Assn. |
| KLPM | a | 250 | 1XZ | Mandan, N. Dak. Minot, N. Dak. Fort Worth, Tex. Twin Falls, Idaho San Juan, P. R. Detroit Mich | John P. Cooley Tarrant Brdcstg. Co. Radio Brdcstg. Corp. Radio Corp. of Puerto Rico. King-Trendle Brd. Corp. |
| KTAT KTFI | a | 1000 1000 | M N | Twin Falls, Idaho | Radio Brdestg, Corp. |
| WKAQ |) a | 1000 | | San Juan, P. R. | Radio Corp. of Puerto Rico. |
| WXYZ XEKL | a a z | 1000 500 | В | Detroit, Mich. Leon, Gto. | King-Trendle Brd. Corp. |
| XELA | z | 50 | | Saltillo, Coah. | Hemmer y Romero Enrique Gomez |
| XEME | z | 50 | • • • • • | Merida, Yuc. | Jerfecto Villmil Cisero |
| | | (239.9 | - | | Maria Database Ci |
| CMKC HRN | a c | 150 50 | | Santiago, Cuba Tegucigalpa, Hond. | Pinol Batele y Cia. Star-Times Pub. Co. |
| KFOX | | 1000 | | Tegucigalpa, Hond. Long Beach, Calif. | Star-Times Pub. Co. Nichols & Warinner, Inc. Carl E. Haymond |
| KIT KXOK | a | 250 | MX(.5 P |) Yakima, Wash. St. Louis, Mo. | Carl E. Haymond Paul John |
| WAIR | | 1000 250 | Ď | Winston-Salem, N. C. | Radio Station WAIR |
| WDSU | | 1000 | В | New Orleans, La. | WDSU, Inc. |
| WHBI WKST | | 1000 250 | (2.5) DP | Newark, N. J. New Castle, Pa. | May Radio Brdcstg. Corp. Keystone Brdcstg. Co. |
| WMRC | | 250 | DP | Aurora, Ill. | Martin R. OBrien |
| WNEV | | 1000 | (2.5) | Aurora, Ill. New York, N. Y. | Wodaam Corp. |
| WTCN XEAI | a z | 1000 500 | B(5) | Minneapolis, Minn. Mexico City, D. F. | Minnesota Brdcstg. Corp. Carmen Gutierrez |
| XEXH | | 250 | | San Luis Potosi, S.L.P. | H. Ayuntamiento S.L.P. |
| 1260 | kcs. | (238 n | n.) | | |
| CMBD | a | 500 | 2X | Havana, Cuba Havana, Cuba | Luiz Perez Carcia La Voz del Transporte |
| CMC | z | 150 | 2 C(5) | Havana, Cuba Missoula, Mont. | La Voz del Transporte |
| KGVO KHSL | | 1000 250 | C(5) | Chico, Calif. | Mosby's, Inc. Golden Empire Brd. Co. |
| KOIL | a | 1000 | BM(5) | Omaha, Nebr. | Central States Brd. Co. |
| KPAC | а | 500 | D | Port Arthur, Tex. | Port Arthur College |

| KRGV KUOA KVOA WHIO WNBX WTOC | a a a a a | 1000 5000 1000 1000 500 1000 | MN D C(5) CMJX(C | Weslaco, Texas Siloam Springs, Ark. Tucson, Ariz. Dayton, Ohio 1) Springfield, Vt. Savannah, Ga. | KRGV, Inc. KUOA, Inc. Arizona Brdcstg. Co., Inc. Miami Valley Brdcstg. Corp. Twin State Brdcstg. Corp. Savannah Brdcst. Corp. |
|--|---|---|---|--|---|
| 1270 | kcs. | (236.1 | m.) | | |
| CMHD | ь | 250 | / | Caibarien, Cuba | Manuel Alvarez M. |
| KGCA | a | 100 | 2D | Decorah, Iowa Seattle, Wash. | Charles W. Greeneley |
| KOL | a | 1000 | $\mathbf{M}(5)$ | Seattle, Wash. | Seattle Brdcstg. Co., Inc. |
| KVOR KWLC | a a | 1000 100 | C 2D | Colorado Springs, C. Decorah, Iowa | Out West Brdcstg. Co. Luther College |
| WASH | a | 500 | DNA | Grand Rapids, Mich. | King-Trendle Brdcstg. Corp. |
| WFBR | а | 500 | R(1) | Baltimore, Md. | Baltimore Radio Show, Inc. |
| WJDX | a | 1000 500 | R(5) Na | Jackson, Miss. Grand Rapids, Mich. | Lamar Life Ins. Co. |
| XEBB | a | 250 | | Jalapa, Ver. | King-Trendle Brdcstg. Corp. Gobierno del E. de Ver. |
| XEXE | z | 17 | | Texcoco, D. F. | H. Ayuntamiento de Tex. |
| 1280 | kcs. | (234.2 | m.) | | |
| СМКО | z | 200 | | Holguin, Cuba | Manuel Angulo Farran |
| KFBB | а | 1000 | C(5) | Great Falls, Mont. | Buttrey Brdcstg. Co. |
| KLS WCAM | a a | 250 | | Oakland, Calif. Camden, N. J. | Warner Brothers |
| WCAP | a | 500 500 | 1 1 | Asbury Park, N. I. | City of Camden Radio Industries Broadcast Co. |
| WDOD | | 1000 | C(5) | Asbury Park, N. J. Chattanooga, Tenn. | WDOD Brdcst. Corp. |
| WIBA WORC | a | 1000 | N(5) | Madison, Wis. | Badger Brdcstg. Co., Inc. |
| WRR | a a | 500 500 | C M | Worcester, Mass. Dallas, Texas | Alf. Frank Kleindienst City of Dallas |
| WTNJ | a | 500 | 1 . | Trenton, N. J. | WOAX, Inc. Alfonso Traslosheros Avalos |
| XEMX | z | 100 | • • • • | Mexico City, D. F. | Alfonso Traslosheros Avalos |
| 1290 | kcs. | (232.4 | m.) | | |
| CMCU | a | 150 | | Havana, Cuba | Jorge Garcia Serra |
| CMJK KDYL | a. a | 200 1000 | RX | Camaguey, Cuba Salt Lake City, Utah | Feliciano Isaac Intermountain Brd. Corp. |
| KLCN | a | 100 | D | Blytheville, Ark. | C. L. Lintzenich |
| KTRH WEBC | a | 1000 1000 | C(5) | Houston, Texas Duluth, Minn. | KTRH Brdcstg. Co. |
| WJAS | a a | 1000 | N(5) C(5) | Pittsburgh, Pa. | Head of the Lakes Brdcstg. Co. Pittsburgh Radio Supply House |
| WNBZ | a | 100 | D | Saranac Lake, N. Y. | Up-State Brdcstg. Corp. |
| WNEL | a | 1000 | (2.5) | San Juan, P. R. | Juan Piza |
| 1300 | kcs. | (230.6 | | | |
| | | - | m.) | | |
| CMHX | a | 200 | | Cienfuegos, Cuba | J. Garcia R. |
| KALE | a a | 200 1000 | m.) | Portland, Ore. | KALE, Inc. |
| KALE KFAC KFH | a | 200 1000 1000 1000 | | Portland, Ore. Los Angeles, Calif. Wichita, Kans. | KALE, Inc. Los Angeles Brdcstg. Co. |
| KALE KFAC KFH WBBR | a a a a | 200 1000 1000 1000 1000 | M C(5) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. |
| KALE KFAC KFH WBBR WEVD | a a a a a | 200 1000 1000 1000 1000 1000 | M C(5) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV | a a a a | 200 1000 1000 1000 1000 | M C(5) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ | a a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | M C(5) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute |
| KALE KFAC KFH WBBR WEVD WFAB WFBV | a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | M C(5) 1 1 N(5) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL | a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | C(5) 1 1 N(5) 1 | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | M C(5) 1 1 N(5) 1 | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL 1310 CHCK CJKL | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | M C(5) 1 1 1 N(5) 1 m.) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 1000 | M C(5) 1 1 N(5) 1 | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL 1310 CHCK CJKL CJLS CKCV KAND | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 250 228.9 50 100 100 100 100 100 100 100 100 100 | M C(5) 1 1 N(5) 1 m.) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. Charlottetown, P.E.I. North Bay, Ont. Yarmouth, N. S. Quebec, P. O. Corsicana, Tex. | KALE, Inc. Los Angeles Brdcstg, Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. J. A. Gesner Northern Brdcstg. Co. Laurie L. Smith CKCV, Ltd. Navarro Brdcstg, Ass'n. |
| KALE KFAC KFH WBBR WFEVD WFAB WFBV WHAZ WHBL 1310 CHCK CJKL CJKL CJLS CKCV KAND KARM | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 250 228.9 50 100 100 100 100 100 100 100 100 100 | M C(5) 1 1 1 N(5) F F DM C | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. Charlottetown, P.E.I. North Bay, Ont. Yarmouth, N. S. Quebec, P. O. Corsicana, Tex. | KALE, Inc. Los Angeles Brdcstg. Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. J. A. Gesner Northern Brdcstg. Co. Laurie L. Smith CKCV, Ltd. Navarro Brdcstg. Ass'n. George Harm |
| KALE KFAC KFH WBBR WEVD WFAB WFBV WHAZ WHBL 1310 CHCK CJKL CJLS CKCV KAND | a a a a a a a a a a a a a a a a a a a | 200 1000 1000 1000 1000 1000 1000 250 228.9 50 100 100 100 100 100 100 100 100 100 | M C(5) 1 1 N(5) 1 m.) | Portland, Ore. Los Angeles, Calif. Wichita, Kans. Brooklyn, N. Y. New York, N. Y. New York, N. Y. Greenville, S. C. Troy, N. Y. Shebovgan, Wis. | KALE, Inc. Los Angeles Brdcstg, Co. Radio Station WFH Co. People's Pulpit Ass'n. Debs Memorial Radio Fund, Inc. Fifth Ave. Brdcstg. Corp. Greenville News-Piedmont Co. Fensselaer Polytechnic Institute Press Publishing Co. J. A. Gesner Northern Brdcstg. Co. Laurie L. Smith CKCV, Ltd. Navarro Brdcstg, Ass'n. |

CMOX KGHF 200 500 B

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| VCD I | _ | 100 | (25) | T 4 * | |
|--|--------|-------------|-----------------|--|---|
| KCRJ K F PL | a b | 100 | (.25) | Dellie Territ | Charles C. Robinson |
| KFYO | a | 100 100 | M(25) | Lubbook Towas | KFPL Brdcstg. Station |
| KGEZ | a | 100 | M(.25) | Jerome, Ariz. Dublin, Texas Lubbock, Texas Kalispell, Mont. Kearney, Nebr. | Plains Radio Brdcstg. Co. |
| KGFW | a | 100 | | Kanspell, Mont. | Donald C. Treloar |
| KHUB | a | 250 | D | Watsonville, Calif. | Central Nebr. Brdcstg. Corp. |
| KINY | a | 100 | XZ | Juneau, Alaska | John P. Scripps Edwin A. Kraft |
| KOCY | a | 100 | (.25) | Oklahoma City, Okla. | Plana Carrett Pala Ca |
| KOME | z | 250 | DP | Tulsa, Okla. | Plaza Court Brdc. Co. |
| KPDN | a | 100 | D | Pampa Tevas | Harry Schwartz R. C. Hoiles |
| TZTD TD A | - | 100 | Ď | Pampa, Texas Lufkin, Texas | Pod Tonda Padento Aca's |
| KRMD | a | 100 | (.25) | Shrevenort La | Red Lands Brdcstg. Ass'n. |
| KROC | a | 100 | (.25) | Shreveport, La. Rochster, Minn. | KRMD, Inc. |
| KROA | a | 100 | | Santa Fe N Mey | Southern Minn. Brdcstg. Co. |
| KRRV | z | 250 | D | Santa Fe, N. Mex. Sherman, Texas | L. Laurence Martin Red River Valley Corp. |
| KSRO | a | 100 | (.25) | Santa Rosa Calif | Press-Democrat Pub. Co. |
| KRMD KRMC KRQA KRRV KSRO KSUB KTSM KVIC | a | 100 | , | Santa Rosa, Calif. Cedar City, Utah | Johnson & Perry |
| KTSM | a | 100 | N(.25) | Cedar City, Utah El Paso, Texas Victoria, Texas Lafavette, La | Tri-State Brdcstg. Co. |
| KVIC | z | 100 | P | Victoria, Texas | |
| KVOL | a | 100 | | Lafayette, La. Moorhead, Minn. | Evangeline Brdcstg. Co. |
| KVOX | z | 100 | (.25) | Moorhead, Minn. | KVOX Brdcstg. Co. |
| KWOC | z | 100 | Ď | Poplar Bluff, Mo. | Fields McCarthy Co. |
| KWOS | z | 100 | D | Tefferson City Mo | Tribune Printing Co. |
| KXRO | a | 100 | M(.25) | Aberdeen, Wash. | KXRO Inc. |
| WAMBL | а | 100 | (.25) | Laurel, Miss. | New Laurel Radio Station |
| WBEO | а | 100 | D | Marquette, Mich. | Lake Superior Brdcstg. Co. |
| WBOW | а | 10 0 | N(.25) | Terre Haute, Ind. Wilkes-Barre, Pa. Pittsfield, Mass. | New Laurel Radio Station Lake Superior Brdcstg. Co. Banks of the Wabash, Inc. |
| WBRE | а | 100 | N(.25) | Wilkes-Barre, Pa. | Louis G. Baltimore |
| WBRK | z | 100 | C(.25) | Pittsfield, Mass. | Voice of the Berkshires |
| WCLS | a | 100 | 1. | Oliet III. | Voice of the Berkshires WCLS, Inc. |
| WCMI | а | 100 | (.25) | Ashland, Ky. | Ashland Brdeste, Co. |
| WDAH | | 100 | S(.25) | El Paso, Tex. | Tri-State Brdcstg. Co. WEBR, Inc. |
| WEBR | а | 100 | B(.25) | Buffalo, N. Y. | WEBR, Inc. |
| WEMP | а | 100 | D | Ashland, Ky. El Paso, Tex. Buffalo, N. Y. Milwaukee, Wis. Royal Oak, Mich. | Milwaukee, Brdcstg. Co. Royal Oak Brdcstg. Co. |
| WEXL | a | 50 | | Royal Oak, Mich. | Royal Oak Brdcstg. Co. |
| WFBG | а | 100 | 2 | Altoona, Pa. | Gable Brdcstg, Co. |
| WFDF | a | 100 | ÷:::: | Flint, Mich. Athens, Ga. | Flint Brdcstg. Co. |
| WGAU | z | 100 | P(.25) | Athens, Ga. | L. K. Patrick & Co. |
| wGn | a | 100 | (.25) | Newport News, Va. | Hampton Roads Brdcstg. Corp. |
| WGTM WHAT | z | 100 | D 4 | Wilson, N. C. | Hampton Roads Brdcstg. Corp. WGTM, Inc. Independence Brdcstg. Co. |
| WJAC | a | 100 | 4 2(25) | Philadelphia, Pa. | Independence Brdcstg. Co. |
| WIAK | a z | 100 100 | 3(.2) | ohnstown, Pa. Lakeland, Fla. | WJAC, Inc. |
| WLAK WLBC | a | 100 | (.25) | Museic Ted | Lake Region Brdc. Co. |
| WLNH | a | 100 | M (.23) | Muncie, Ind. | Donald A. Burton |
| WMBO | a | 100 | 141 | Laconia, N. H. | Northern Brdcstg. Co. |
| WMFF | a | 100 | B(25) | Auburn, N. Y. Plattsburgh, N. Y. | WMBO, Inc. Plattsburg Brdcstg. Corp. |
| WNBH | a | 100 | M(.25) | New Redford Mass | F Anthony & Sone Inc |
| WOI. | а | 100 | MŻ | New Bedford, Mass. Washington, D. C. | E. Anthony & Sons, Inc. American Brdcstg. Co. |
| WRAW | a | 100 | | Reading, Pa. | Reading Brdcstg. Co. |
| WROL | a | 100 | N(.25) | Knoxville, Tenn. | Reading Brdcstg. Co. Stuart Brdcstg. Corp. |
| WSAJ | a | 100 | | Grove City Pa | Grove City College |
| WSAV | z | 100 | P | Grove City, Pa. Savannah, Ga. | Arthur Lucas |
| WSGN | а | 100 | B(.25) | Birmingham, Ala Winston-Salem, N. C. Tallahassee, Fla. | Birmingham News Co. |
| WSJS | a | 100 | C, | Winston-Salem, N. C. | Piedmont Publishing Co. |
| WTAL | a | 100 | C (.25) 4 | Tallahassee, Fla. | Fla. Capitol Brdcasters. |
| | a | 100 | 4 | Philadelphia, Pa. | Foulkrod Radio Eng. Co |
| WTJS | a | 100 | (.25) | ackson, Tenn. | Foulkrod Radio Eng. Co. Sun Publishing Co., Inc. |
| WTRC | а | 100 | (.25) | Elkhart, Ind | Truth Publishing Co. |
| XEAG | z | 10 | , | Cordoba, Ver. | Truth Publishing Co. Diodoro Zuniga Alfonso Martinez |
| XEBO | 7 | 25 | | Irapuato, Gto. | Alfonso Martinez |
| XEFW XETB | a | . 300 | | Cordoba, Ver. Irapuato, Gto. Tampico, Tams Torreon, Coah. | Flores v Martinez |
| XETB | a | 125 | | Torreon, Coah. | Flores y Martinez Arelio G. Zaragoza |
| ALA | a | 125 | | Monterrey, N. L. | Luis F. Petit Jean |
| XEXS | z | 100 | | Mexico City, D. F. | Dpto. de Salubridad Publica |
| | | | | •• | - dolle |
| 1900 1 | | /0074 | ا مند | | |
| 1220 B | cs. | (227.1) | ш.) | L | |
| OT COLT | | | | ~- | |

Havana, Cuba Pueblo, Colo. Perez y Chisholm Curtis P. Ritchie

| KGMB | а | 1000 | CM | Honolulu, Hawaii | Honolulu Brdcstg. Co., Ltd. |
|--|---|--|---|--|---|
| KID | a | 500 | (1) | Idaho Falls, Idaho | KID Brdcstg. Co. |
| KRNT | a | 1000 | Č(5) | Des Moines, Iowa | Iowa Brdcstg. Co. |
| TGI | d | :::: | 27.5 | Guademala City, uat. | |
| WADC | | 1000 | C(5) | Akron, Ohio York, Pa. | Allen T. Simmons |
| WORK | | 1000 1000 | N R(5) | New Orleans, La. | York Brdcstg. Co. WSMB, Inc. |
| WSMB XEAU | a z | 1000 | K()) | Tijuana, B. Cfa. | wolld, inc. |
| AEAU | Z | • • • • | | Tijuana, D. Cia. | |
| 1990 | 1200 | (225.4 | m \ | | |
| 1330 | KUS. | (440.4 | ш., | | |
| CMHK | z | 250 | М | Cruces, Cuba | Virgilio Villanueva Don Lee Brdcstg. Sys. |
| KGB | а | 1000 | | San Diego, Calif. | Don Lee Brdcstg. Sys. |
| KMO | . a | 1000 | M NM | Tacoma, Wasn. | KMO, Ins. Gulf Coast Brdcstg. Co. |
| KRIS KSCJ | z a | 500 1000 | | Sione City Iowa | Sioux City Journal |
| WDRC | a | 1000 | C(5) C | San Diego, Calif. Tacoma, Wash. Corpus Christi, Tex. Sioux City, Iowa Hartford, Conn. | WDRC. Inc. |
| WSAI | a | 1000 | MN(5) | Cincinnati, Ohio | Crosley Radio Corp. |
| WTAQ | | 1000 | C | Cincinnati, Ohio reen Bay, Wis. | WDRC, Inc. Crosley Radio Corp. WHBY, Inc. |
| | | | | | |
| 1340 | kcs. | (223.7) | m.) | | |
| СМАВ | | 100 | | Pinar del Rio, Cuba | Francisco Martinez |
| CMIW | z z | ·300 | | Camaguey, Cuba | La Voz del Pueblo |
| CMJW KDTH | z | 500 | ADP | Camaguey, Cuba Dubuque, Iowa | Telegraph Herald Co. |
| KGIR | a | 1000 | N(5) | Butte, Mont. Dodge City, Kans. Pensacola, Fla. | KGIR. Inc. |
| KGNO | a | 250 | | Dodge City, Kans. | Dodge City Brdcstg. Co. |
| WCOA | а | 500 | C(1) | Pensacola, Fla. | Pensacola Brdcstg. Co. |
| WFEA | a | 500 | MN(1) | Manchester, N. H. Fayetteville, N. C. | N. H. Brdcstg. Co. |
| WFNC WSPD | z a | 250 1000 | DP B(5) | Toledo, Ohio | Cumberland Brdcstg. Co. |
| XEAP | z | 50 | D()) | Obregon, Son, | The Fort Industry Co. Emilio Manzanilla Maria Remedios Delgado |
| XEBS | z | 200 | | Mexico City, D. F. | Maria Remedios Delgado |
| XEDH | z | 200 | | Obregon, Son. Mexico City, D. F. Villa Acuna, Coah. | Vicente Hernandez |
| XEXD | z | 350 | | alapa, Ver. | Gobierno del E. De Ver. |
| | | | | | |
| 1050 | 7 | 1000 f | \ | | |
| 1350 | kcs. | (222.1 | m.) | | |
| CMCA | a | (222.1 450 | m.) | Havana, Cuba | Tester y Gonzales |
| CMCA CMKW | a z | 450 | | Santiago, Cuha | Tester y Gonzales Claudio Alvarez Soriano |
| CMCA CMKW KIDO | a z a | 450 1000 | | Santiago, Cuha | Boise Brdcstg. Station |
| CMCA CMKW KIDO KWK | a z a a | 450 1000 1000 | N(2.5) XBM(5 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. | Boise Brdcstg. Station Thomas Patrick, Inc. |
| CMCA CMKW KIDO KWK WAWZ | a z a a | 450 1000 1000 500 | N(2.5) XBM(5 1(1) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire |
| CMCA CMKW KIDO KWK WAWZ WBNX | a z a a a a | 450 1000 1000 500 1000 | N(2.5) XBM(5 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. |
| CMCA CMKW KIDO KWK WAWZ | a z a a a a | 450 1000 1000 500 | N(2.5) XBM(5 1(1) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG | a z a a a a a | 450 1000 1000 500 1000 500 | N(2.5) XBM(5 1(1) 1 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG | a z a a a a a a kcs. | 450 1000 1000 500 1000 500 (220.4 | N(2.5) XBM(5 1(1) 1 R | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. | Boise Brdestg, Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG | a z a a a a a kcs. | 450 1000 1000 500 1000 500 (220.4 | N(2.5) XBM(5 1(1) 1 R | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG | a z a a a a kcs. | 450 1000 1000 500 1000 500 (220.4 | N(2.5) XBM(5 1(1) 1 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER | a z a a a a a a kcs. | 450 1000 1000 500 1000 500 (220.4 200 250 1000 | N(2.5) XBM(5 1(1) 1 R m.) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consolidated Brdestg. Corp. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG | a z a a a a kcs. | 450 1000 1000 500 1000 500 (220.4 200 250 | N(2.5) XBM(5 1(1) 1 R | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consolidated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGSS | a z a a a a a a kes. b a a a a | 450 1000 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) N(1) C(5) 1(1) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGSS WQBC | a z a a a a a a a a a a a a a a | 450 1000 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) M N(1) C(5) 1(1) D | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGSS | a z a a a a a a b a a a a a a a a a a a | 450 1000 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) N(1) C(5) 1(1) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WGES WJBC WSBT | kcs. | 450 1000 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) M M(1) C(5) 1(1) D | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGSS WQBC | kcs. | 450 1000 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) M M(1) C(5) 1(1) D | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGSS WQBC WSBT | kcs. | 450 1000 1000 500 (220.4 200 250 1000 500 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) N(1) C(5) 1(1) D 1 m.) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consolidated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGES WQBC WSBT 1370 CFAR | kcs. | 450 1000 500 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 1000 500 (218.8 100 100 100 100 100 100 100 10 | M(2.5) XBM(5 1(1) 1 R m.) M M(1) C(5) 1(1) D | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdcstg. Co., Ltd. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGES WGES WGES WSBT 1370 CFAR CKCW CMGE | kcs. kcs. kcs. | 450 1000 1000 500 (220.4 200 1000 500 (221.8 1000 500 (218.8 100 1000 1000 500 | M(2.5) XBM(5 1(1) 1 R m.) M N(1) C(5) 1(1) D 1 m.) F | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consolıdated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGES WQBC WSBT 1370 CFAR CKCW CMGE KAST | kcs. | 450 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 (218.8 | | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater Astoria Brdestg. Co. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGES WQBC WSBT 1370 CFAR CKCW CMGE KAST | kcs. baaaaaa kcs. | 450 | M(2.5) XBM(5 1(1) 1 R m.) M N(1) C(5) XBM(5 1(1) 1 R m.) F DXZ | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City. Mo. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater Astoria Brdestg. Co. KCMO Brdeste. Co. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC KGER WCSC WFBL WGES WOBC WSBT 1370 CFAR CKCW CMGE KAST KCMG KAST KCMG KEEN | kcs. kcs. kcs. kcs. | 450 1000 1000 500 (220.4 200 1000 500 (2218.8 100 1000 500 (218.8 100 100 100 100 100 100 100 10 | M(2.5) XBM(5 1(1) 1 R m.) M C(5) 1(1) D 1 m.) F DXZ 3 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City, Mo. Seattle, Wash. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater Astoria Brdestg. Co. KCMO Brdeste. Co. |
| CMCA CMKW KIDO KWK WAWZ WBNSG 1360 CMJH KCRC KGER WCSC WFBL WGES WQBC WSBT 1370 CFAR CKCW CMGE KAST KCMO KEEN KEEN | kcs. kcs. kcs. | 450 1000 500 1000 500 (220.4 200 250 1000 500 1000 500 (218.8 | M(2.5) XBM(5 1(1) 1 R m.) M C(5) 1(1) D 1 m.) F DXZ 3 | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City, Mo. Seattle, Wash. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdcstg. Co., Ltd. Genaro Sebater Astoria Brdcstg. Co. KCMO Brdcstg. Co. KVL, Inc. Radio Enterprises, Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WMBG 1360 CMJH KCRC WGSC WFBL WGES WQBC WSBT 1370 CFAR CKCW CMGE KAST KCMO KEEN KEEN KEEN | kcs. baaaaaaaakcs. | 450 1000 1000 500 (220.4 200 1000 500 (2218.8 100 1000 500 (218.8 100 100 100 100 100 100 100 10 | M(2.5) XBM(5 1(1) 1 R m.) M C(5) 1(1) D 1 m.) F DXZ N | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City, Mo. Seattle, Wash. El Dorado, Ark. Bakersfield, Calif. | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater Astoria Brdestg. Co. KVI., Inc. Radio Enterprises, Inc. McClatchey Brdestg. Co. McClatchey Brdestg. Co. McClatchey Brdestg. Co. |
| CMCA CMKW KIDO KWK WAWZ WBNSG 1360 CMJH KCRC KGER WCSC WFBL WGES WQBC WSBT 1370 CFAR CKCW CMGE KAST KCMO KEEN KEEN | kcs. kcs. kcs. | 450 | M(.25) XBM(5 1(1) 1 R m.) M N(1) C(5) 1(1) D 1 m.) F DXZ N D M(.25) M(.25) | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City, Mo. Seattle, Wash. El Dorado, Ark. Bakersfield, Calif. Boone, Iowa Fort Worth, Texas | Boise Brdestg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdestg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consoludated Brdestg. Corp. S. C. Brdestg. Co. Onondaga Radio Brdestg. Corp. Oak Leaves Brdestg. Station, Inc. Delta Brdestg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdestg. Co., Ltd. Genaro Sebater Astoria Brdestg. Co. KCMO Brdestg. Co. KVI, Inc. Radio Enterprises, Inc. McClatchey Brdestg. Co. Boone Biblical College Ft. Worth Broadcasters, Inc. |
| CMCA CMKW KIDO KWK WAWZ WBNX WBNX WBNX WBNX WBNX WBNZ WBNZ WBNZ WFBL WGES WOBC WSBT 1370 CFAR CKCW CKCW CKCW CKCW KEEN KEEN KEEN KEEN KEEN KEEN KEEN KEE | kcs. baaaaaaaakcs. zaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | 450 1000 500 1000 500 (220.4 200 1000 500 1000 500 1000 500 1000 100 | M(2.5) XBM(5 1(1) 1 R m.) M C(5) 1(1) D 1 m.) F DXZ N | Santiago, Cuba Boise, Idaho) St. Louis, Mo. Zarephath, N. New York, N. Y. Richmond, Va. Ciego de Avila, Cuba Enid, Okla. Long Beach, Calif. Charleston, S. C. Syracuse, N. Y. Chicago, Ill. Vicksburg, Miss. South Bend, Ind. Flin Flon, Man. Moncton, N. B. Cardenas, Cuba Astoria, Ore. Kansas City, Mo. Seattle, Wash. | Boise Brdcstg. Station Thomas Patrick, Inc. Pillar of Fire WBNX Brdcstg. Co. Havens & Martin Luis Marauri H. Enid Radiophone Co. Consolidated Brdcstg. Corp. S. C. Brdcstg. Co. Onondaga Radio Brdcstg. Corp. Oak Leaves Brdcstg. Station, Inc. Delta Brdcstg. Co., Inc. South Bend Tribune Arctic Radio Corp. Moncton Brdcstg. Co., Ltd. Genaro Sebater Astoria Brdcstg. Co. KCMO Brdcstg. Co. KVI., Inc. Radio Enterprises, Inc. McClatchey Brdcstg. Co. Boone Biblical College |

| KGAR | a | 100 | C(.25) | Tucson, Ariz. Roswell, N. Mex. | Tucson Motor Service Co. |
|--------------|------|--------|---|---|--|
| KGFL | a | 100 | 4 | Roswell, N. Mex. | KGFL, Inc. |
| KGKL | a | 100 | (.25) | San Angelo, Texas | KGKL, Inc. |
| KICA | 2 | 100 | 4 | San Angelo, Texas Clovis, N. Mex. | Western Broadcasters, Inc. |
| KIUP | a | 100 | • | Durango Colo | Con Tran Palarta Ca |
| KLUF | a | 100 | M | Durango, Colo. alveston, Tex. | San Juan Brdcstg. Co. |
| KMAC | | | | aiveston, iex. | KLUF Brdcstg. Co., Inc. W. W. McAllister |
| | a | 100 | 5(.25) | San Antonio, Tex. Rapid City, S. Dak. La Junta, Colo. | W. W. McAllister |
| конв | а | 100 | (.25) | Rapid City, S. Dak. | Black Hills Broadcast Co. |
| KOKO | а | 100 | | La Junta, Colo. | Southwest Brdcstg. Co. |
| KONO | a | 100 | 5 | San Antonio, Tex. | Mission Brdcstg. Co. |
| KRE | a | 100 | (.25) | Berkeley Calif | Central Calif. Broadcasters, Inc. |
| KRKO | a | 50 | () | Berkeley, Calif. 3Everett, Wash. | Too M. Jack |
| KRMC | z | 100 | (25) | Jamestown M. D.L. | Lee Mudgett |
| | _ | | (.25) | Jamestown, N. Dak. | Roberts McNab Co. |
| KSLM | a | 100 | MXZ | Salem, Ore. | Roberts McNab Co. Oregon Radio, Inc. Bell Brdcstg. Co. |
| KTEM | a | 250 | DM | Temple, Texas | Bell Brdcstg, Co. |
| KTOK | а | 100 | MN | Oklahoma City, Okla. | Oklahoma Brdcstg. Co. |
| KUJ | a | 100 | | Oklahoma City, Okla. Walla Walla, Wash. Great Bend, Kans. Rock Springs, Wyo. | KUJ, Inc. |
| KVGB | z | 100 | | Great Bend Kans | Ernest Edward Ruehlen |
| KVRS | z | 100 | P(.25) | Pools Carines W | When Delecte Co |
| KWYO | | 100 | | Charilan Wyo. | Wyo. Brdcstg. Co. |
| WADV | a | | (.25) | Sheridan, Wyo. | Big Horn Brdcstg. Co. |
| WABY | а | 100 | N(.25) | Sheridan, Wyo. Albany, N. Y. | Adirondack Brdcstg. Co. |
| WAGF | a | 250 | D | Dothan, Ala. | Dothan Brdcstg. Co. |
| WATL | а | 100 | (.25) | Atlanta, Ga. | Atlanta Brdcstg. Co. |
| WBLK | a | 100 | , | Clarksburg, W Va | The Exponent Co. |
| WBNY | a | 100 | 2(.25) | Clarksburg, W. Va. Buffalo, N. Y. | |
| WBTM | | 100 | | Desville V- | Roy L. Albertson |
| | | | (.25) | Danville, Va. | Piedmont Brdcstg. Corp. |
| WCBM | a | 100 | (.25) | Baltimore, Md. | Baltimore Brdcstg. Corp. |
| WDWS | a | 100 | (.25) | Philadelphia, Pa. Champaign, Ill. Evansville, Ind. | WDAS Brdcstg. Station, Inc. |
| WDAS | a | 100 | (.25) | Champaign, Ill. | Champaign News-Gazette, Inc. |
| WEOA | a | 100 | C(.25) | Evansville, Ind. | Evansy. on the Air, Inc. Forrest Brdcstg. Co. |
| WFOR | a | 100 | - (/ | Hattiesburg, Miss. | Forrest Brdcstg Co |
| WGL | a | 100 | N(.25) | Fort Wayne Ind | Westinghouse Stations |
| WGRC | a | 250 | D | Fort Wayne, Ind. New Albany, Ind. | NI-ate Cila Dal Com |
| | | | D | New Albany, Ind. | North Side Brd. Corp. |
| WHBQ | а | 100 | • | Memphis, Tenn. Calumet, Mich. Virginia, Minn. | WHBQ, Inc. Upper Michigan Brdcstg. Co. |
| WHDF | а | 100 | (.25) | Calumet, Mich. | Upper Michigan Brdcstg. Co. |
| WHLB | a | 100 | C(.25) | Virginia, Minn. | Head of the Lakes Brdcstg. Co. |
| WHLS | Z | 250 | D. | Port Huron, Mich. | Head of the Lakes Brdcstg. Co. Port Huron, Brdcstg. Co. |
| WIBM | a | 100 | (.25) | Jackson, Mich. | WIBM, Inc. |
| WLLH | a | 100 | | Lawrence Mass | Merrimac Brdcstg. Co. |
| WLLH | a | 100 | MST(2 | Lawrence, Mass. 5) Lowell, Mass. | Merrimac Brdcstg. Co. |
| WMBR | | | C(25) | To all 11 Til | Fl. B. Jt. C. |
| | a | 100 | C(.25) | Jacksonville, Fla. Wilmington, N. C. | Fla. Brdcstg. Co. |
| WMFD | a | 100 | D | Wilmington, N. C. | Richard A. Dunlea |
| WMFO | а | 100 | D . | Decatur, Ala. St. Paul, Minn. | James R. Doss, Jr. |
| WMIN | а | 100 | (.25) | St. Paul, Minn. | WMIM Brdcstg. Co. |
| WOC WPAY | а | 100 | C(.25) | Davenport, Iowa | Tri-City Brdcstg. Co. |
| WPAY | а | 100 | | Portsmouth, Ohio | Vee Bee Corp. |
| WPRA | z | 100 | (.25) | Mayaguez, P. R. | P. R. Advertising Co. |
| WRAK | a | 100 | (.25) | Williamsport, Pa. | W/RAK Inc |
| WRDO | a | 100 | M .23) | Angusta Maine | WRAK, Inc. |
| | | | | Augusta, Maine Racine, Wis. | WRDO, Inc. Racine Brdcstg. Corp. |
| WRJN | a | 100 | (.25) | Macine, Wis. | Nacine briggstg. Corp. |
| WSAU | a | 100 | (.25) | Wausau, Wis. | Northern Brdcstg. Co. |
| WSV S | a | 50 | 2D | Buffalo, N. Y. | Seneca Vocational High School |
| XECZ | z | 100 | | San Luis Potosi, S.L.P. | Zeferino Z. Jimenez |
| XEI | a | 125 | | Morelia, Mich. | Carlos Gutierrez M. |
| XELZ | z | 100 | | Mexico City D F | Maria Gardena de Zetina |
| | z | 100 | | Morelia, Mich. Mexico City, D. F. Owen Sound, Ont. | Owen Sound Sun-Times |
| • • • • | L | 100 | • • • • | Owen Joung, Ont. | Owen Sound Sun-Times |
| | | | | | |
| | | | | | |
| | | | | | |
| CMCR | z | 150 | 2 | Havana Cuba | La Traviata |
| CMCX | | | | Havana, Cuba Havana, Cuba | La Traviata |
| | z | 150 | 2 | Havana, Cuba | La Onda Popular |
| кон | а | 500 | C | Reno, Nev. | La Onda Popular The Bee, Inc. |
| KQV | а | 500 | 1C | Pittsburgh, Pa. | KQV Brdcstg. Co. |
| WALA | а | 500 | C(1) | Mobile, Ala. | Pape Brdcstg. Co. |
| WKBH | a | 1000 | Č`-′ | La Crosse, Wis. | WKBH, Inc. |
| WNBC | a | 250 | ĎΧ | New Britain, Conn. | State Brdcstg. Corp. |
| WSMK | a | 200 | 1CLX | Dayton, Ohio | |
| W SIMIC | a | 200 | ICLA | Dayton, Onto | WEMK, Inc. |
| | - | 404 | | | |
| 1390 | kcs. | (215.7 | m.) | | |
| | | • | • | | |
| CMJC | .Z | 200 | F | Yorkton, Sask. | J. Richardson & Sons, Ltd. |
| | | | | | |

| CMJC KABR KLRA KOY KRLC WHK WQDM | z a a a a a | 150 500 1000 1000 250 1000 1000 | (1) C(5) C BM(.2) | Camaguey, Cuba Aberdeen, S. Dak. Little Rock, Ark. Phoenix, Ariz. Lewiston, Idaho 5) Cleveland, Ohio St. Albans, Vt. | Miguel Guillen Perez Aberdeen Broadcast Co. Ark. Brdcstg. Co. Salt River Val. Brdc. Co. H. E. Studebaker Radio Air Service Corp. Regan and Bostwick | |
|---|---|--|---|--|--|---------------------------------------|
| 1400 | kcs. | (214.2 | m.) | | | |
| GMGC CMKR KHBC KTUL TGX WARD WBBC WEGL WHDL WIRE WLTH | a z a a d a a z a a a a | 150 100 250 500 1000 500 500 500 250 1000 500 500 | CM B C(5) | Matanzas, Cuba Santiago, Cuba Hilo, Hawaii Ogden, Utah Tulsa, Okla. Guatemala City, Guat. Brooklyn, N. Y. P Brooklyn Brooklyn, N. Y. Indianapolis, Ind. Brooklyn, N. Y. Indianapolis, Ind. Brooklyn, N. Y. | Oscar Mechoso Jaime Nadal Honolulu Brdcstg. Co., Itd. Interstate Brdcstg. Corp. Tulsa Brdcstg. Co., Inc. Partido Liberal Progresista U. S. Brdcstg. Corp. Brooklyn Brdcstg. Corp. Brooklyn Brdcstg. Corp. Brooklyn Daily Eagle WHDL, Inc. Indianapolis Brdcstg. Inc. Voice of Brooklyn Paramount Brdcstg. Co. | |
| _ | | | | | Elatorg. Cor | |
| | kcs. | (212.6) | , | | | |
| CKFC CKMO CMCQ KFJM KGNC KMED WAAB WBCM WHIS WROK WSFA | а а а а с а а а а а а а а а а а а а а а | 50 100 5000 500 1000 250 500 500 500 500 | 5 5 (1) MN(2.5 N M(1) (1) (1) (1) C(1) | Vancouver, B. C. Vancouver, B. C. Havana, Cuba Grand Forks, N. Dak.) Amarillo, Texas Medford, Ore. Boston, Mass. Bay City, Mich. Bluefield, W. Va. Rockford, Ill. Montgomery, Ala. | Standard Brdcstg. Sys. British Columbia Brdcstg. Sys. La Voz de Cuba University of N. Dak. Plains Radio Brdc. Co. Mrs. W. J. Cirgin Yankee Network, Inc. Bay Brdcstg. Co., Inc. Daily Telegraph Ptg. Co. Aockford Broadcasters, Inc. Montgomery Brdcstg. Co. | |
| 1420 | kcs. | (211.1 | m.) | | | |
| CHLN | z | 100 | | Three Rivers, P. Q. | Le Nouvelliste | |
| CKCA CKGB | z a | 100 | | Kenora, Ont. | Kenora Brdcstg. Co. | |
| KABC | a | | | Morth Boy Ont | P U Thompson | |
| KATE | a | 100 100 | F | North Bay, Ont. San Antonio, Tex. | R. H. Thompson | |
| | a a | 100 100 250 | F M(.25) D | San Antonio, Tex. Albert Lea, Minn. | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. | |
| KBPS | a a | 100 100 250 100 | F M(.25) D 4 | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School | |
| | a | 100 100 250 | F M(.25) D 4 | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard | |
| KBPS KCMC KDNT KEUB | a a a z a | 100 100 250 100 100 100 | F M(.25) D 4 M(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price. Utah | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brde. Co. | |
| KBPS KCMC KDNT KEUB KFAM | a a z a z | 100 100 250 100 100 100 100 | F M(.25) D 4 M(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price. Utah | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. | |
| KBPS KCMC KDNT KEUB KFAM KFIZ | a a a z a | 100 100 250 100 100 100 | F M(.25) D 4 M(.25) D (.25) M(.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. | |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW | a a z a z a a a | 100 100 250 100 100 100 100 100 100 100 | F M(.25) D 4 M(.25) D (.25) M(.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa. Colo. | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU | a a z a z a a a z | 100 100 250 100 100 100 100 100 100 100 | F M(.25) D 4 M(.25) D (.25) M(.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa. Colo. | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdestg. Co. Leonard E. Wilson Gila Brdestg. Co. | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU KIDW | a a z a z a a a | 100 100 250 100 100 100 100 100 100 100 | F M(.25) D 4 M(.25) D (.25) M(.25) 1 (.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU KIDW KIUN KLBM | a a z a z a a z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 | F M(.25) D 4 M(.25) D (.25) M(.25) 1 (.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU KIDW KIUN KLUN KLUN KLUN KLUN KLUN | a a z a z a a z a a z a | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) D (.25) M(.25) 1 (.25) 1 P(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdestg. Co. Leonard E. Wilson Gila Brdestg. Co. Southwest Brdestg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdestg. Assn. | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU KIDW KIUN KLBM | a a z a z a a z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 | F M(.25) D 4 M(.25) D (.25) (.25) 1 (.25) 1 (.25) 1 P(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eusene. Ore. | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdestg. Co. Leonard E. Wilson Gila Brdestg. Co. Southwest Brdestg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdestg. Assn. Eugene Brdestg. Station Reporter Brdestg. Co. | : |
| KBPS KCMC KDNTT KEUB KFAM KFIZ KGFF KGIW KIUN KIUN KIUN KIUN KORE KRBC KRBC KRBM | a a z a z a a z a a z a a z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) D (.25) (.25) 1 (.25) 1 P(.25) D M M(.25) D M M(.25) P(.25) P(.25) P(.25) P(.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdcstg. Station Reporter Brdcstg. Co. Reporter Brdcstg. Co. Reporter Brdcstg. Co. Reporter Brdcstg. Co. | : |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KIDW KIDW KIBM KNET KORE KRBC KRBM KRIC | a a z a z a a z a a z a a z z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) D (.25) (.25) 1 (.25) 1 P(.25) D M M(.25) D M M(.25) P(.25) P(.25) P(.25) P(.25) | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdcstg. Station Reporter Brdcstg. Co. Reporter Brdcstg. Co. Reporter Brdcstg. Co. Reporter Brdcstg. Co. | |
| KBPS KCMC KDNTT KEUB KFAM KFIZ KGFF KGIW KIUN KIUN KIUN KIUN KORE KRBC KRBC KRBM | a a z a z a a z a a z a a z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) M(.25) 1 (.25) 1 (.25) 1 P(.25) 1 M(.25) M(.25) 1 M(.25) D M M(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. Bozeman, Mont. Bassande, Orexas Midland, Texas Midland, Texas | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdestg. Co. Leonard E. Wilson Gila Brdestg. Co. Southwest Brdestg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdestg. Assn. Eugene Brdestg. Station Reporter Brdestg. Co. | · · · · · · · · · · · · · · · · · · · |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KIDW KIDW KIDW KIBM KNET KORE KRBC KRBM KRIC KRLH KSAN KTRI | a a a z a z a a z a a z z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) D (.25) 1 (.25) 1 P(.25) D M M(.25) P(.25) D M M(.25) D D D (.25) D D D D (.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. Beaumont, Texas Midland, Texas San Francisco, Calif. Sioux City, Iowa | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdcstg. Assn. Eugene Brdcstg. Station Reporter Brdcstg. Co. Roberts McNab Co. Reaumont Brdcstg. Assn. Clarence Scharbaur Golden Gate Grdcstg. Co. Sioux City Brdcstg. Co. Sioux City Brdcstg. Co. | |
| KBPS KCMC KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KIDW KIDW KNET KORE KRBC KRBM KRIC KRBM KRIC KRBM KRIC KRBM KRIC KRLH KSAN KTRI KUMA | a a a z a z a a z a a z z a a z z a a z a | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) 1 M(.25) 1 M(.25) 1 M(.25) D M M(.25) D D (.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. Beaumont, Texas Midland, Texas San Francisco, Calif. Sioux City, Iowa | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdcstg. Assn. Eugene Brdcstg. Station Reporter Brdcstg. Co. Roberts McNab Co. Reaumont Brdcstg. Assn. Clarence Scharbaur Golden Gate Grdcstg. Co. Sioux City Brdcstg. Co. Sioux City Brdcstg. Co. | 1.30 |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KIDW KIDW KIDW KIBM KNET KORE KRBC KRBM KRIC KRLH KSAN KTRI | a a a z a z a a z a a z z a a z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) 1 M(.25) 1 (.25) 1 P(.25) 1 M(.25) 1 M(.25) 1 M(.25) D M M(.25) D D P(.25) D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. Beaumont, Texas Midland, Texas San Francisco, Calif. Sioux City, Iowa Yuma, Ariz. Atchison, Kans. | R. H. Thompson Alamo Brdestg. Co., Inc. Albert Lea Brdestg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdestg. Co. Leonard E. Wilson Gila Brdestg. Co. Southwest Brdestg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdestg. Assn. Eugene Brdestg. Station Reporter Brdestg. Co. Roberts McNab Co. Beaumont Brdestg. Assn. Clarence Scharbaur Golden Gate Grdestg. Co. Sioux City Brdestg. Co. Dr. A. H. Schermann Carl Latenser W. N. Greenwald | 12W |
| KBPS KCMC KDNT KEUB KFAM KFIZ KGFF KGIW KGLU KIDW KIUN KLBM KNET KORE KRBC KRBC KRBM KRIC KRLH KSAN KTRI KUMA KVAK | a a a z a z a a z a a z z a a z z a a z z a z z a z z z a z | 100 100 250 100 100 100 100 100 100 100 100 100 1 | F M(.25) D 4 M(.25) 1 M(.25) 1 M(.25) 1 M(.25) 1 M(.25) D M M(.25) D M M(.25) D D D D D D D D D D D D D D D D D D D | San Antonio, Tex. Albert Lea, Minn. Portland, Ore. Texarkana, Tex. Denton, Texas Price, Utah St. Cloud, Minn. Fond du Lac, Wis. Shawnee, Okla. Alamosa, Colo. Safford, Ariz. Lamar, Colo. Pecos, Texas La Grande, Ore. Palestine, Texas Eugene, Ore. Abilene, Tex. Bozeman, Mont. Beaumont, Texas Midland, Texas San Francisco, Calif. Sioux City, Iowa Yuma, Ariz. Atchison, Kans. Portland, Ore. | R. H. Thompson Alamo Brdcstg. Co., Inc. Albert Lea Brdcstg. Co. Benson Polytechnic School KCMC, Inc. Harwell V. Shepard Eastern Utah Brdc. Co. Times Pub. Co. Reporter Printing Co. KGFF Brdcstg. Co. Leonard E. Wilson Gila Brdcstg. Co. Southwest Brdcstg. Co. Hawkins & Tubbs H. Finley & Mrs. Eloise Finley Palestine Brdcstg. Assn. Eugene Brdcstg. Station Reporter Brdcstg. Co. Roberts McNab Co. Reaumont Brdcstg. Assn. Clarence Scharbaur Golden Gate Grdcstg. Co. Sioux City Brdcstg. Co. Sioux City Brdcstg. Co. | 1.30 |

| WAGM WAPÓ WAZIL WCBS WCHV WEED WELL WFMJ WGPC WHFMA WILM WJMS WLAP WLEU WMASD WMBC WMBC WMBC WMBC WMBC WMBC WMSD WPAD WPAD WPAR WPRP WSLI | | 100 100 100 100 100 100 100 100 100 100 | (.25) 2 (.25) 3 (.25) 3 (.25) 3 (.25) DP (.25)P (.25) B(.25) C(.25) (.25) D (.25) C(.25) C(.25) | Albany, Ga. Cicero, Ill. Anniston, Ala. Wilmington, Del. Ironwood, Mich. Lexington, Ky. Erie, Pa. | Aroostook Brdcstg. Corp. W. A. Petterson Hazelton Brdcstg. Co. WCBS, Inc. Community Brdcstg. Corp. Wm. Avera Wynne Enquirer News Co. Wm. F. Maag, Jr. F. C. Todd Americus Brdcstg. Corp. WHFC, Inc. Harry M. Ayers Delaware Brdcstg. Corp. WJMS, Inc. American Brdcstg. Corp. Leo J. Omelian WMAS, Inc. Michigan Brdcstg. Co. Joplin Brdcstg. Co. Fayette Brdcstg. Corp. W. W. Esch Muscle Shoals Brdcstg. Corp. Ohio Valley Brdcstg. Corp. Julio M. Canesa Stand. Life Ins. Co. |
|---|--------------------------------------|--|---|--|--|
| 14 30 | kcs. | (209.7 | m.) | | |
| CMIP CMKZ KECA KGNF KSO WBNS WHEC WHP WMPS WOKO | a z a a a a a a | 75 125 1000 1000 500 1000 500 500 | | Moron, Cuba Palm Soriano, Cuba Los Angeles, Calif. North Platte, Nebr.) Des Moines, Iowa Columbus, Ohio Rochester, N. Y. Harrisburg, Pa. Memphis, Tenn. Albany, N. Y. | Cesar Canals Joaquin Venero Obregon Earl C. Anthony, Inc. Great Plains Brdcstg. Co. Iowa Brdcstg. Co. WBNS, Inc. WHEC, Inc. WHP, Inc. Memphis Commercial Appea WOKO, Inc. |
| | | (208.2 | . , | | |
| | | | , | Haven Cube | Taba T. Charman |
| CMBG CMOA | a z | 225 150 | | Havana, Cuba Havana, Cuba Colon, Panama Casper, Wyo. Centralia, Wash. Houston, Texas | John L. Stowers Juan Fernandez Duran |
| CMOA HPSO KDFN KELA | z | | | Colon, Panama | La Voz de Victor Donald L. Hathaway Central Brdcstg. Corp. |
| KDFN | a | 500 | М | Casper, Wyo. | Donald L. Hathaway |
| KELA | a | 500 | M BM | Centralia, Wash. | Central Brdcstg. Corp. |
| KELA KXYZ WBIG | a | 1000 | | Groombon N. C | Marris County Bridging, Co. |
| WCBA | a a | 1000 500 | C a | Greensboro, N. C. Allentown, Pa. | Harris County Brdcstg. Co. N. C. Brdcstg. Co. B. B. Musselman |
| WMBD | | | Č(5) | Peoria, Ill. | Peoria Brdcstg. Co. |
| WSAN | | 500 | Na | Allentown, Pa. | WSAN, Inc. |
| XEFI | a | 250 | | Chihuahua, Chih. | Feliciano Lopez Islas |
| 1450 | kcs. | (206.8 | m.) | | |
| CFCT | a | 500 | F | Victoria, B. C. Summerside, P. E. I. Cienfuegos, Cuba Wolf Point, Mont. | Victoria Brdcstg. Assn. R. T. Holman, Ltd. Jose R. Feminias E. E. Krebsbach |
| GHGS | a | 50 | | Summerside, P. E. I. | K. I. Holman, Ltd. |
| CMHM | | 150 | | Wolf Point Mont | Jose K. reminias |
| KGCX KIEM | a a | 1000 500 | M(1) | Eureka, Calif. | Redwood Brderto Co |
| KTBS | a | 1000 | N N | Shreveport, La. | Redwood Brdcstg. Co. |
| TGQ | å | 200 | | Quezaltenango, Guat. | Tri-State Brdcstg. Sys. Dir. of Elec. Comm. |
| WAGA | a | 500 | B(1) | Atlanta, Ga. | Liberty Brdesto Co |
| WGAR | a | 500 | CX(1) | Cleveland, Ohio | W(TAR Brdeste Co |
| WHOM | | 250 | | Jersey City, N. J. Fall River, Mass. | New Jersey Brdcstg. Corp. Doughty & Welch Elec. Co. Gilberto Gil |
| WSAR | a | 1000 | M | Fall River, Mass. | Doughty & Welch Elec. Co. |
| XEF | a | 100 | | Juarez, Chih. | Gilberto Gil |

| 1460 CMKF KSTP WJSV | kcs. | 250 10000 10000 | m.) R(25) C | Holguin, Cuba St. Paul, Minn. Washington, D. C. | Manuel J. De Gongora National Battery Brdcstg. Co. Columbia Brdcstg. Sys. |
|------------------------------|--------|-----------------------|---|---|---|
| 1.450 | | 1004 | | | |
| 1470 | kcs. | (204 n | | | |
| KGA WLAC | a a | 5000 5000 | BM C | Spokane, Wash. Nashville, Tenn. | Louis Wasmer WLAC Brdcstg. Service |
| 14 80 | kcs. | (202.6 | m.) | | |
| KOMA | a | 5000 | Ç | Oklahoma City, Okla. | Hearst Radio, Inc. |
| WHIP WKBW | z a | 5000 5000 | .c | Hammond, Ind. Buffalo, N. Y. | Hammond-Calumet Brdcstg. Corp. Buffalo Brdcstg. Corp. |
| 1490 | kcs. | (201.2 | m.) | | |
| CMKQ KFBK | z | 200 10000 | N | Santiago, Cuba | Mario Abril Dumois |
| WCKY | a a | 10000 | N | Sacramento, Calif. Covington, Ky. | McClatchey Brdcstg. Co. L. B. Wilson, Inc. |
| 1500 | kcs. | (199.9 | m.) | | |
| CJIC | a | 100 | F | Sault Ste. Marie, Ont. | Whitby and Hyland |
| CMCG KAWM | a z | 150 100 | | Havana, Cuba Gallup, N. Mex. | La Unda, S. A. |
| KBIX | a | 100 | M | Muskogee, Okla. | A. W. Mills Okla. Pres. Pub. Co. |
| KBKR | z | 100 | | Baker, Ore. Big Spring, Tex. | Louis P. Thornton |
| KBST | Z | 100 | M | Big Spring, Tex. | Big Spring Herald Brdcstg. Co. |
| KDAL | a | 100 | C M(25) | Duluth, Minn. | Red River Brdc. Co. |
| KDB KGFI | a a | 100 100 | (.25) | Santa Barbara, Calif. Brownsville, Tex. | S. B. Brdcasters, Ltd. Eagle Brdcstg. Co., Inc. |
| KGKB | a | 100 | | Tyler, Texas | East Texas Brdcstg. Co. |
| KGKY | a | 100 | (.25) | Scottsbluff, Nebr. | Hillard Co., Inc. |
| KNEL | | 250 | D | Brady, Texas | G. L. Burns |
| KNOW KOTN | | 100 100 | CM D | Austin, Texas Pine Bluff, Ark. | KUT Brdcstg. Corp. Universal Brdcstg. Corp. |
| KOVC | a a | 100 | (.25) | Valley City, N. Dak. | KOVC. Inc. |
| KPAB | z | 100 | (.25) | Laredo, Tex. | KOVC, Inc. Mervel M. Valentine |
| KPLC | a | 100 | (.25) | Lake Charles, La. | Calcasieu Brdcstg. Co. |
| KPLT | Z | 250 | DM | Paris, Texas | North Texas Brdcstg. Co. |
| KPQ KRNR | a a | 100 100 | M(.25) | Wenatchee, Wash. | Wescoast Brdcstg. Co. |
| KROD | Z | 100 | P (.23) | El Paso Texas | News-Review Co. Dorrance D. Roderick |
| KSAL | a | 100 | (.25) | Roseburg, Ore. El Paso, Texas Salina, Kans. | R. J. Laubengayer |
| KSAM | z | 100 | DP | Huntsville, Texas | Sam Houston Brd. Co. |
| KUTA | z | 100 100 | N P | Salt Lake City, Utah | Utah Brdcstg. Co. Cache Valley Brd. Co. |
| KVNU KVOE | z a | 100 | M | Logan, Utah Santa Ana, Calif. | Voice of Orange Empire |
| KVWC | z | 100 | P | Vernon, Texas | |
| KWEW | | 100 | D | Vernon, Texas Hobbs, N. Mex. | W. E. Whitmore |
| KXO | a | 100 | ; · · · · · · · · · · · · · · · · · · · | El Centro, Calif. | Irey and Bowles |
| KYCA KYSM | z z | 100 100 | (.25) P P(.25) | Prescott, Ariz. Mankato, Minn. | Southwest Brdcstg. Co. F. B. Clement & Co. |
| WCNW | | 100 | 1(.25) | Brooklyn, N. Y. | Arthur Faske |
| WDAN | | 250 | DP | Brooklyn, N. Y. Daanville, Ill. | Northwestern Pub. Co. |
| WDNC | а | 100 | C | Durhm, N. C. | Durham Radio Corp. |
| WGAL | a | 100 | (.25) | Lancaster, Pa. | WGAL, Inc. |
| WGIL WGKV | z z | 250 100 | DP P | Galesburg, Ill. Charleston, W. Pa. | Galesburg Brdc. Co. Kanawha Valley Brd. Co. |
| WHBB | a | 100 | | Selma, Ala. | Selma Brdestg, Co. |
| WHEF | a | 100 | (.25) | Kosciusko, Miss. | Attala Brdcstg. Corp. James F. Hopkins, Inc. A. Frank Katzentine |
| WJBK | а | 100 | (.25) | Detroit, Mich. Miami Beach, Fla. E. Dubuque, Ill. | James F. Hopkins, Inc. |
| WKAT | a | 100 | 3707 | Miami Beach, Fla. | A. Frank Katzentine |
| WKBB | a a | 100 100 | YC(.25 (.25) | Richmond, Ind. | Sanders Brothers Knox Radio Corp. |
| WKBV WKBZ | a a | 100 | (.25) | Muskegon, Mich. | Ashbacker Radio Corp. |

| WKEU WMEX WNBF WNLC WOMI WOPI WRGA WRTD WSTP WSYB WSMV WWRL WWSW | | 100 100 100 100 100 100 100 100 100 100 | (.25) C(.25) (.25) B | New London, Conn. Owensboro, Ky. Bristel, Tenn. Augusta, Ga. Rome, Ga. Richmond, Va. Salisbury, N. C. Rutland, Vt. E. St. Louis, Ill. | Station WKEU Northern Corp. Howitt-Wood Radio Co. Thames Brdcstg. Corp. Owensboro Brdc. Co. Radiophone Station WOPI Augusta Brdcstg. Co. Rome Brdcstg. Corp. Times Dispatch Radio Corp. Piedmont Brdcstg. Corp. Philip Weiss Music Co. Miss. Val. Brdc. Co. Long Island Brdcstg. Corp. Walker & Downing Radio Corp. |
|--|------|--|-----------------------------------|---|---|
| 1510 | kcs. | (198.6 | m.) | | |
| CFRC | a | 100 | F | Kingston, Ont. | Queen's University |
| CKCR | a | 100 | | Waterloo, Ont. | Mitchell & Liddle |
| | | | | | |
| 1520 | kcs. | (197.3 | m.) | | |
| TGW | d | 1000 | | Guatemala City, Guat. | Ministerio de Fomento |
| 1520 | 1-00 | (106 m | • \ | | |
| 1990 | KUS. | (196 n | 1.) | ' | |
| KITE | a | 1000 | | Kansas City, Mo. | First Natl. Television, Inc. |
| WBRY | a | 1000 | M | Waterbury, Conn. | American Republican, Inc. |
| 1540 | kcs. | (194.7 | m.) | | • |
| | | • | • | C in a C be | D 1 27 |
| CM9RT | z | 200 | • • • • | Guines, Cuba | Raul Torres Padal |
| 1550 | kcs. | (193.4) | m.) | | |
| | | • | , | Palanefall Calif | Pioneer Mercantile Co. |
| KPMC | a | 1000 1000 | M | Bakersfield, Calif. New York, N. Y. | Interstate Brdcstg. Co. |
| WQXR | a | 1000 | • • • • | INCW IOIK, IN. I. | interstate bidesig. Co. |
| | | | | | |

Music Hall Concerts

The Radio City Music Hall of the Air Sunday concerts, the oldest and longest sustained series of its kind in radio, is now heard a half hour earlier over the NBC-Blue Network. The new schedule brings the program to listeners each week from noon to 1 pm, FST.

For more than five years these broadcasts, under the direction of Erno Rapee, have presented the world's greatest music to radio listeners in North and South America through the NBC coast to coast network, the

Canadian Broadcasting Corporation's system, and the NBC shortwave facilities.

Uruguayan Special

Radio station CX26, 1050 kcs., at Montevideo, Uruguay, will broadcast a special DX program on November 5 and 6, from 3 to 5 am, EST. This program is dedicated to the National Radio Club. Verifications will be sent for ten cents, or for thirty cents, they will send a selection of pictures taken during the time the programs are in progress.

Frequency in kilocycles in second column. Night power in watts in third column. Net work affiliations in fourth column, C Columbia, R National Red, B National Blue, N National Red and Blue.

F Canadian, M Mutual.

ALABAMA | Little Rock | KJBS | 1070 | S00 | WDEL | 1120 | 250 R | WDEL | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 1

| ALABAMA | KARK 890 500 N | KPO 680 50000 R | WILM 1420 100 |
|---|---|--|--|
| Anniston | KGHI 1200 100 | KSAN 1420 100 | W115M 1420 100 |
| WHMA 1420 100 | KLRA 1390 1000 C | KSFO 560 1000 C | DISTRICT OF |
| Birmingham | Pine Bluff | KYA 1230 1000 | COLUMBIA |
| WAPI 1140 5000 C | KOTN 1500 100 | San Jose | |
| WBRC 930 1000 R | Siloam Springs | KQW 1010 1000M | Washington |
| WSGN 1310 100 B | KUOA 1260 5000 | San Luis Obispo KVEC 1200 100 | WJSV 1460 10000 C |
| Decatur | | KVEC 1200 100 | WMAL 630 250 B |
| WMFO 1370 100 | CALIFORNIA | Santa Ana | WOL 1310 1000M |
| Dothan | · · | KVOE 1500 100M | WRC 950 1000 R |
| WAGF 1370 250 | Bakersfield | Santa Barbara | |
| Gadsden WIBY 1210 100 | KERN 1370 100 N | KDB 1500 100M | FLORIDA |
| | KPMC 1550 1000M | KTMS 1220 500 B | |
| Huntsville WBHP 1200 100 | Berkeley | Santa Rosa KSRO 1310 100 | Daytona Beach |
| Mobile | KRE 1370 100 | Stockton | WMFT 1420 100 |
| WALA 1380 500 C | Beverly Hills | KGDM 1100 1000M | Gainesville |
| Montgomery | KMPC 710 500 | KWG 1200 100 N | WRUF 830 5000 |
| WCOV 1210 100 | Chico | Visalia | Jacksonville |
| WCOV 1210 100 WSFA 1410 500 C | KHSL 1260 250 | KTKC 1190 250 | WJAX 900 1000 N |
| Selma | El Centro | Watsonville | WMBR 1370 100 C |
| WHBB 1500 100 | KXO 1500 100 | KHUB 1310 250 | Lakeland |
| Muscle Shoals City | Eureka | | WLAK 1310 100 |
| WMSD 1420 100 | KIEM 1450 500M | COLORADO | Miami |
| Tuscaloosa | Fresno | | WIOD 610 1000 N |
| WJRD 1200 250 | KARM 1310 100 C KMJ 580 1000 N | Alamosa | WMBF 610 1000 |
| | KMJ 580 1000 N Glendale | KGIW 1420 100 | WQAM 560 1000 C |
| ALASKA | KIEV 850 250 | Colorado Springs KVOR 1270 1000 C | Miami Beach |
| Anchorage | Long Beach | Denver | WKAT 1500 100 |
| KFQD 780 250 | KFOX 1250 1000 | KFEL 920 500M | Orlando WDBO 580 1000 C |
| Fairbanks | KGER 1360 1000 | KLZ 560 1000 C | Pensacola |
| KFAR 610 1000 | Los Angeles | KOA 830 50000 R | WCOA 1340 500 C |
| Juneau | KECA 1430 1000 B | KPOF 880 1000 | St. Augustine |
| KINY 1310 100 | KEHE 780 1000 | KVOD 920 500 B | St. Augustine WFOY 1210 100 |
| Ketchikan | KFAC 1300 1000 | Durango | St. Petersburg |
| KGBU 900 500 | KFI 640 50000 R | KIUP 1370 100 | WSUN 620 1000 N |
| ARIZONA | KFSG 1120 500 | Grand Junction | Tallahassee |
| | KFVD 1000 1000 | KFXJ 1200 100 | WTAL 1310 100 |
| Globe | KFWB 950 1000 KGFJ 1200 100 | Greeley | Tampa |
| KWJB 1210 100 | | KFKA 880 500M | WDAE 1220 1000 C |
| Jerome | KHJ 900 1000M KMTR 570 1000 | La Junta KOKO 1370 100 | WFLA 620 1000 N |
| KČRJ 1310 100 | KNX 1050 50000 C | Lamar 100 | West Palm Beach |
| Lowell KSUN 1200 100 | KRKD 1120 500 | KIDW 1420 100 | WJNO 1200 100 C |
| KSUN 1200 100 Phoenix | Merced | Pueblo | |
| KOY 1390 1000 C | KYOS 1040 250 | KGHF 1320 500 B | GEORGIA |
| KTAR 620 1000 N | Modesto | Sterling | |
| Prescott | KTRB 740 250 | KGEK 1200 100 | Albany |
| KYCA 1500 100 | Monterey | | WGPC 1420 100 |
| Safford | KDON 1210 100M | CONNECTICUT | Athens |
| KGLU 1420 100 | Oakland | Bridgeport | WGAU 1310 100 |
| Tucson | KLS 1280 250 | WICC 600 500M | Atlanta |
| KGAR 1370 100 C | KLX 880 1000 | Hartford | WAGA 1450 500 B |
| KVOA 1260 1000 | KROW 930 1000 | WDRC 1330 1000 C | WATL 1370 100 |
| Yuma | Pasadena | WTIC 1040 50000 R | WGST 890 1000 C |
| KUMA 1420 100 | KPPC 1210 100 | WTHT 1200 100M | WSB 740 50000 R |
| | Redding KVCV 1200 100 | New Britain | Augusta |
| ARKANSAS | KVCV 1200 100 Sacramento | WNBC 1380 250 | WRDW 1500 100 C |
| D1 | EFRE 1400 10000 N | New Haven | Columbus WRBL 1200 100 |
| Blytheville | KI DK 1430 10000 II | WELI 900 500 | WRBL 1200 100 Griffin |
| | KROV 1210 100 C | | |
| KLCN 1290 100 | KFBK 1490 10000 N KROY 1210 100 C | New London | |
| El Dorado | San Bernardino | New London WNLC 1500 100M | WKEU 1500 100 |
| El Dorado KELD 1370 100 | San Bernardino KFXM 1210 100M | Waterbury | WKEU 1500 100 Macon |
| El Dorado KELD 1370 100 Fort Smith | San Bernardino KFXM 1210 100M San Diego | Waterbury WATR 1190 100 | WKEU 1500 100 Macon WMAZ 1180 1000 C |
| El Dorado KELD 1370 100 Fort Smith KFPW 1210 100 | San Bernardino KFXM 1210 100M San Diego KFSD 600 1000 B KGB 1330 1000M | Waterbury | WKEU 1500 100 Macon WMAZ 1180 1000 C Rome |
| El Dorado KELD 1370 100 Fort Smith KFPW 1210 100 | San Bernardino KFXM 1210 100M San Diego KFSD 600 1000 B KGB 1330 1000M | Waterbury WATR 1190 100 WBRY 1530 1000M | WKEU 1500 100 Macon WMAZ 1180 1000 C Rome WRGA 1500 100 |
| El Dorado KELD 1370 100 Fort Smith KFPW 1210 100 Hot Springs KTHS 1060 10000 N | San Bernardino KFXM 1210 100M San Diego KFSD 600 1000 B KGB 1330 1000M San Francisco KFRC 610 1000M | Waterbury WATR 1190 100 WBRY 1530 1000M DELAWARE | WKEU 1500 100 Macon WMAZ 1180 1000 C Rome WRGA 1500 100 Savannah WSAV 1310 100 |
| El Dorado KELD 1370 100 Fort Smith KFPW 1210 100 | San Bernardino KFXM 1210 100M San Diego KFSD 600 1000 B KGB 1330 1000M San Francisco | Waterbury WATR 1190 100 WBRY 1530 1000M | WKEU 1500 100 Macon WMAZ 1180 1000 C Rome WRGA 1500 100 Sayannah |

| Thomasville | Quincy | Mason City | Monroe |
|-------------------------------------|--|---|---------------------------|
| WPAX 1210 100 | WTAD 900 1000 | KGLO 1210 100 C | KMLB 1200 |
| Waycross WAYX 1200 100 | Rockford WROK 1410 500 | Shenandoah KFNF 890 500 | New Orlean WBNO 1200 |
| WATA 1200 100 | Rock Island | KMA 930 1000 B | WDSU 1250 |
| HAWAII | WHBF 1210 100 | Sioux City | WDSU 1250 WJBW 1200 |
| Hilo | Springfield WCBS 1420 100 | KSCJ 1330 1000 C KTRI 1420 100 | WSMB 1320 WWL 850 |
| KHBC 1400 250M | WCBS 1420 100 WTAX 1210 100 | KTRI 1420 100 | Shreveport |
| Honolulu | Tuscola | | KRMD 1310 |
| KGMB 1320 1000 C KGU 750 2500 N | WDZ 1020 250 Urbana | KANSAS | KTBS 1450 KWKH 1100 |
| | WILL 580 1000 | Abilene | KWKH 1400 |
| IDAHO | | KFBI 1050 5000 | MAIN |
| Boise KIDO 1350 1000 N | INDIANA | Atchison KVAK 1420 100 | MAINI |
| Coeur d'Alene | A m doman | KVAK 1420 100 Coffeyville | Augusta |
| KGCI 1200 100 | Anderson WHBU 1210 100 | KGGF 1010 1000M | WRDO 1370 |
| Idaho Falls KID 1320 500 | Elkhart | Dodge City | Bangor WABI 1200 |
| KID 1320 500 Lewiston | WTRC 1310 100 | KGNO 1340 250 Garden City | WLBZ 620 |
| KRLC 1390 250 | Evansville WEOA 1370 100 C | KIUL 1210 100 | Lewister |
| Nampa | WGBF 630 500 N | Great Bend | WCOV 1210 Portland |
| KFXD 1200 100 Pocatello | Fort Wayne | KVGB 1370 100 Hutchinson | WCSH 940 |
| KSEI 900 250 N | WGL 1370 100 N WOWO 1160 10000 B | KWBG 1420 100 | WGAN 640 |
| Twin Falls | Gary | Kansas City | Presque Islo WAGM 1420 |
| KTFI 1240 1000 N | WIND 560 1000 | KCKN 1310 100 Lawrence | |
| ILLINOIS | Hammond WHIP 1480 5000 | KEKTI 1220 1000 | MARYLA |
| Aurora | WWAE 1200 100 | WREN 1220 1000 B | Baltimore |
| WMRO 1250 250 | Indianapolis | Manhattan KSAC 580 500 | WBAL 760 |
| Bloomington | WFBM 1230 1000 C WIBC 1050 1000 | KSAC 580 500 Pittsburg | WBAL 1060 |
| WJBC 1200 100 Carthage | WIRE 1400 1000 R | KOAM 790 1000 N | WCAO 600 WCBM 1370 |
| WCAZ 1070 100 | Muncie | Salina | WFBR 1270 |
| Champaign | WLBC 1310 100 New Albany WGRC 1370 250 | KSAL 1500 100 Topeka | College P |
| WDWS 1370 100 Chicago | WGRC 1370 250 | WIBW 580 1000 C | W3XJ 1060 Cumberland |
| WAAF 920 1000 | Richmond | Wichita KANS 1210 100 B | WTBO 800 |
| WBBM 770 50000 C | WKBV 1500 100 South Bend | KFH 1300 1000 C | Frederick |
| WCBD 1080 5000 WCFL 970 5000 N | WFAM 1200 100 | 1000 1000 0 | WFMD 900 Hagerstown |
| WCRW 1210 100 | WSBT 1360 500 Terre Haute | KENTUCKY | WJEJ 1210 |
| WEDC 1210 100 | WBOW 1310 100 N | | Salisbury |
| WENR 870 50000 B WGES 1360 500 | West Lafayette | Ashland | WSAL 1200 ' |
| WGN 720 50000M | WBAA 890 500 | WCMI 1310 100 | MASSACHUS |
| WJJD 1130 20000 | IOWA | Covington WCKY 1490 10000 N | |
| WLS 870 50000 B WMAQ 670 50000 R | | Lexington | Boston WAAB 1410 |
| WMBI 1080 5000 K | Ames WOI 640 5000 | WLAP 1420 100 | WBZ 990 S |
| WSBC 1210 100 | Boone | Louisville WAVE 940 1000 N | WCOP 1120 |
| Cicero | KFGQ 1370 100 | WHAS 820 50000 C | WEEI 590 |
| WHFC 1420 100 Danville | Cedar Rapids WMT 600 1000 B | Owensboro | WHDH 830 WMEX 1500 |
| WDAN 1500 250 | Davenport | WOMI 1500 100 Paducah | WNAC 1230 |
| Decatur | WOC 1370 100 C | WPAD 1420 100 | WORL 920 |
| WJBL 1200 100 East Dubuque | Decorah KGCA 1270 100 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Cape Cod WOCB 1210 |
| WKBB 1500 100 C I | KWLC 1270 100 | | Fall River |
| East St. Louis | Des Moines | LOUISIANA | WSAR 1450 |
| WTMV 1500 100 Galesburg | KRNT 1320 1000 C KSO 1430 500 B | Alexandria | Greenfield WHAI 1210 |
| WGIL 1500 250 | WHO 1000 50000 R | KALB 1210 100 | Lawrence |
| Harrisburg | Dubuque . | Baton Rouge | WLAW 680 |
| WEBQ 1210 100 | KDTH 1340 500 Iowa City | WJBO 1120 500 B | WLLH 1370 |
| Joliet WCLS 1310 100 | WSUI 880 500 | Lafayette KVOL 1310 100 | Lowell New Bedfor |
| Peoria | Marshalltown | Lake Charles | WNLH 1310 |
| WMBD 1440 1000 C | KFJB 1200 100 | KPLC 1500 100 | WLLH 1370 |

MAINE usta 1370 100**M** Or 1200 100 620 500 C ster 1210 100 land 940 1000 R 640 500 que Isle

RYLAND

100

ACHUSETTS

100M

| NORTH A | AMERICAN B. C. S | STATIONS BY LO | CATIONS |
|-------------------------------------|-------------------------------------|---------------------------------|------------------------------------|
| Pittsfield | Northfield | Bozeman | Whippany |
| WBRK 1310 100 C | WCAL 760 1000 | KRBM 1420 100 | W3XDD 50000 |
| Springfield | Rochester | Butte | Zarephath |
| WBZA 990 1000 B WMAS 1420 100 C | KROC 1310 100 St. Cloud | KGIR 1340 1000 N Great Falls | WAWZ 1350 500 |
| WSPR 1140 500M | KFAM 1420 100 | KFBB 1280 1000 C | NEW MENTOS |
| Worcester | St. Paul | Helena | NEW MEXICO |
| WORC 1280 500 C | KSTP 1460 10000 R | KPFA 1210 100 N | Albuquerque |
| WTAG 580 1000 R | WMIN 1370 100 Virginia | Kalispell KGEZ 1310 100 | KGGM 1230 1000 |
| MICHIGAN | WHLB 1370 100 C | Lewistown | KOB 1180 10000 N Carlsbad |
| MICHIGAN | Winona | KDNC 1200 100 | KLAH 1210 100 |
| Battle Creek | KWNO 1200 250 | Missoula | Clovis |
| WELL 1420 100 | MISSISSIPPI | KGVO 1260 1000 C Wolf Point | KICA 1370 100 |
| Bay City WBCM 1410 500 | W1881881PP1 | KGCX 1450 1000 | Gallup KAWM 1500 100 |
| WBCM 1410 500 Calumet | Grenada | | Hobbs |
| WHDF 1370 100 | WGRM 1210 100 | NEBRASKA | KWEW 1500 100 |
| Detroit | Gulfport WGCM 1210 100 | Clay Center | Roswell |
| WJBK 1500 100 WJR 750 50000 C | Hattiesburg | KMMJ 740 1000 | KGFL 1370 100 Santa Fe |
| WJR 750 50000 C WMBC 1420 100 | WFOR 1370 100 | Kearney | KRQA 1310 100 |
| WWJ 920 5000 R | Jackson | KGFW 1310 100 Lincoln | 1 |
| WXYZ 1240 1000 B | WJDX 1270 1000 R WSLJ 1420 100 | KFAB 770 10000 C | NEW YORK |
| East Lansing | Kosciusko | KFOR 1210 100 C | |
| WKAR 850 1000 Flint | WHEF 1500 100 | Norfolk | Albany |
| WFDF 1310 100 | Laurel | WJAG 1060 1000 | WABY 1370 100 N WOKO 1430 500 C |
| Grand Rapids | WAML 1310 100 Meridian | North Platte KGNF 1430 1000 | Auburn |
| WASH 1270 500 N | WCOC 880 1000 C | Omaha | WMBO 1310 100 |
| WOOD 1270 500 N Ironwood | Vicksburg | KOIL 1260 1000 B | Binghamton |
| WJMS 1420 100 | WQBC 1360 1000 | WAAW 660 500 WOW 590 1000 R | WNBF 1500 100 C Brooklyn |
| Jackson | | Scottsbluff | WARD 1400 500 |
| WIBM 1370 100 | MISSOURI | KGKY 1500 100 | WBBC 1400 500 |
| . Kalamazoo WKZO 590 1000 B | | | WBBR 1300 1000 |
| Lansing | Cape Girardeau KFVS 1210 100 | NEVADA | WCNW 1500 100 WLTH 1400 500 |
| WJIM 1210 100 | Columbia | Reno | WVFW 1400 500 |
| Lapeer WMPC 1200 100 | KFRU 630 500 | KOH 1380 500 C | Buffalo |
| Marguette | Jefferson City | | WBEN 900 1000 F |
| WBEO 1310 100 | KWOS 1310 100 Joplin | NEW HAMPSHIRE | WBNY 1370 100 WEBR 1310 100 B |
| Muskegon | WMBH 1420 100 | | WGR 550 1000 (|
| WKBZ 1500 100 Port Huron | Kansas City | Laconia WLNH 1310 100M | WKBW 1480 5000 C |
| WHLS 1370 250 | KCMO 1370 100 | WLNH 1310 100M Manchester | WSVS 1370 50 |
| Royal Oak | KITE 1530 1000 KMBC 950 1000 C | WFEA 1340 500 N | Canton WCAD 1220 500 |
| WEXL 1310 50 | WDAF 610 1000 R | Portsmouth | Elmira |
| Saginaw WHAL 950 500 | WHB 860 1000M | WHEB 740 250 | WENY 1200 250 |
| WHAL 950 500 | Poplar Bluff | | WESG 850 1000 (|
| MINNESOTA | KWOC 1310 100 St. Joseph | NEW JERSEY | Freeport WGBB 1210 100 |
| Albert Lea | KFEQ 680 2500 | Asbury Park | Jamestown |
| KATE 1420 250 | St. Louis | WCAP 1280 500 | WJTN 1210 100 B |
| Duluth | KFUO 550 500 | Atlantic City | Newburgh |
| KDAL 1500 100 C WEBC 1290 1000 N | KMOX 1090 50000 C KSD 550 1000 R | WPG 1100 5000 C | WGNY 1210 100 New York |
| Fergus Falls | KWK 1350 1000 B | Bridgeton WSNJ 1210 100 | New York WABC 860 50000 C |
| KGDE 1200 100 | KXOK 1250 1000 | Camden | WBIL 1100 5000 |
| Hibbing | WEW 760 1000 | WCAM 1280 500 | WBNX 1350 1000 |
| WMFG 1210 100 | WIL 1200 100 | Jersey City | WBOQ 860 50000 |
| Mankato KYSM 1500 100 | Springfield KGBX 1230 500 N | WAAT 940 500 WHOM 1450 250 | WEAF 660 50000 R WEVD 1300 1000 |
| Minneapolis | KWTO 560 5000 | Newark | WFA3 1300 1000 |
| WCCO 810 50000 C | | WHBI 1250 1000 | WHN 1010 1000 |
| WDGY 1180 1000 C | MONTANA | WOR 710 50000M | WINS 1180 1000 |
| WLB 760 1000 WTCN 1250 1000 B | - MONTANA | Red Bank | WJZ 760 50000 B |
| Moorhead 1000 B | Billings | WBRB 1210 100 Trenton | WMCA 570 1000 WNEW 1250 1000 |
| KVOX 1310 100 | KGHL 780 1000 N | WTNJ 1280 500 | WNYC 810 1000 |
| | | | |

| WOV 1130 1000 | Mandan | Tulsa | WPEN 920 1000 |
|--------------------------------|-------------------|--------------------------|----------------------------|
| WQXR 1550 1000 | KGCU 1240 250 | KOME 1310 250 | WRAX 920 1000 |
| Ölean | Minot | KTUL 1400 1000 C | WTEL 1310 100 |
| WHDL 1400 250 | KLPM 1240 250 | KVOO 1140 25000 N | Pittsburgh |
| Plattsburg | Valley City | | KDKA 980 50000B |
| WMFF 1310 100 B | KOVC 1500 100 | OREGON | KQV 1380 500 C |
| Rochester | 120 10 1000 100 | Astoria | WCAE 1220 1000 R |
| WHAM 1150 50000 B | | KAST 1370 100 | WJAS 1290 1000 C |
| WHEC 1430 500 C | OHIO | Baker | WWSW 1500 100 |
| WSAY 1210 100 | Akron | KBKR 1500 100 | Reading |
| Saranac Lake | WADC 1320 1000 C | Bend | WEEU 830 1000 |
| WNBZ 1290 100 | WTW 1210 100 | KBND 1310 100 | WRAW 1310 100 |
| | Ashtabula | Corvallis | |
| Schenectady | WICA 940 250 | KOAC 550 1000 | Scranton WGBI 880 500 C |
| WGY 790 50000 R | Canton | | |
| Syracuse | WHBC 1200 100 | Eugene KORE 1420 100M | WOAN 880 500 Sharon |
| WFBL 1360 1000 C | Cincinnati | | |
| WSYR 570 1000 B | | Klamath Falls | WPIC 780 250 |
| WSYU 570 1000 | WCPO 1200 100 | KFJI 1210 100 | Sunbury |
| Troy | WKRC 550 1000 C | La Grande | WKOK 1210 100 |
| WHAZ 1300 1000 | WLW 700 500000N | KLBM 1420 100 | Uniontown |
| 950 1000 | WSAI 1330 1000 N | Marshfield | WMBS 1420 250 |
| Utica | Cleveland | KOOS 1200 100 | Wilkes-Barre |
| WIBX 1200 100C | WCLE 610 500M | Medford | WBAX 1210 100M |
| White Plains | WGAR 1450 500 C | KMED 1410 250 N | WBRE 1310 100 N |
| WFAS 1210 100 | WHK 1390 1000 B | Portland | Williamsport |
| Woodside | WTAM 1070 50000 R | KALE 1300 1000M | WRAK 1370 100 |
| WWRL 1500 100 | Columbus | KBPS 1420 100 | York |
| | WBNS 1430 1000 C | KEX 1180 5000 B | WORK 1320 1000 N |
| NORTH CAROLINA | WCOL 1210 100 N | KGW 620 1000 R | PUERTO RICO |
| Asheville | WHKC 640 500M | KOIN 940 1000 C | |
| WWNC 570 1000 N | WOSU 570 750 | KWJJ 1040 500 | Mayaguez |
| Charlotte | Dayton | KXL 1420 100 | WPRA 1370 100 |
| WBT 1080 50000 C | WHIO 1260 1000 C | Roseburg | Ponce |
| WSOC 1210 100 N | WSMK 1380 200 C | KRNR 1500 100M | WPRP 1420 100 |
| Durham | Lima | Salem | San Juan |
| WDNC 1500 100 C | WBLY 1210 100 | KSLM 1370 100M | WKAQ 1240 1000 |
| Fayetteville | Portsmouth | RESISTATION TOOM | WNEL 1290 1000 |
| WFNC 1340 250 | WPAY 1370 100 | PENNSYLVANIA | RHODE ISLAND |
| Gastonia | Toledo | | |
| WGNC 1420 100 | WSPD 1340 1000 B | Allentown | Providence |
| Greensboro | WTOL 1200 100 | WCBA 1440 500 | WEAN 780 1000M |
| | Youngstown | WSAN 1440 500 N | WJAR 890 1000 R |
| WBIG 1440 1000 C High Point | WFMJ 1420 100 | Altoona | WPRO 630 500 C |
| WMFR 1200 100 | WKBN 570 500 C | WFBG 1310 100 | SOUTH CAROLINA |
| Kinston | Zanesville | Easton | |
| WFTC 1200 100 | WALR 1210 100 | WEST 1200 100 | Anderson |
| Raleigh | 7711210 1210 100 | Erie | WAIM 1200 100 C |
| WPTF 680 5000 N | OKLAHOMA | WLEU 1420 100 B | Charleston |
| WRAL 1210 100 | | Glenside | WCSC 1360 500 N |
| Poster Mount | Ada | WIBG 970 100 | 1210 100 |
| Rocky Mount WEED 1420 100 | KADA 1200 100M | Greensburg | Columbia |
| Salisbury | Ardmore | WHJB 620 250 C | WIS 560 1000 N |
| WSTP 1500 100 | KVSO 1210 100M | Grove City | Florence |
| Wilmington | Elk City | WSAJ 1310 100 | WOLS 1200 100 |
| WMFD 1370 100 | KASA 1210 100 | Harrisburg | Greenville |
| Wilson | Enid | WHP 1430 500 C | WFBC 1300 1000 N |
| | KCRC 1360 250M | WKBO 1200 100 | Spartanburg |
| | Muskogee | Hazelton | WSPA 920 1000 |
| Winston-Salem | KBIX 1500 100M | WAZL 1420 100 | SOUTH DAKOTA |
| WAIR 1250 250 | Norman | Johnstown | DAKOTA |
| WSJS 1310 100 C | WNAD 1010 1000 | WJAC 1310 100 | Aberde en |
| NORTH DAKOTA | Oklahoma City | Lancaster | KABR 1390 500 |
| Bismarck | KOCY 1310 100 | WGAL 1500 100 N | Brookings |
| KFYR 550 1000 N | KOMA 1480 5000 C | New Castle | KFDY 780 1000 |
| Devils Lake | KTOK 1370 100M | WKST 1250 250 | Pierre |
| KDLR 1210 100 | WKY 900 1000 N | Philadelphia | KGFX 630 200 |
| | | KYW 1020 10000 R | Rapid City |
| Fargo WDAY 940 1000 N | Okmulgee | WCAU 1170 50000 C | KOBH 1370 100 |
| | KHBG 1210 100 | WDAS 1370 100 | WCAT 1200 100 |
| Grand Forks | Ponca City | | Sioux Falls |
| KFJM 1410 500 | WBBZ 1200 100M | | KELO 1200 100 N |
| Jamestown | Shawnee | WHAT 1310 100 | |
| KRMC 1370 100 | KGFF 1420 100M | WIP 610 1000 I | KSOO 1110 5000 N |

| NORTH | AMERICAN B. C. S | | CATIONS |
|---------------------------------------|--|----------------------------------|------------------------------------|
| Vermillion | KPRC 920 1000 R | St. Albans | TILOTTY AND |
| KUSD 890 500 | KTRH 1290 1000 C | WQDM 1390 1000 | WGKV 1500 100 Clarksburg |
| Yankton | KXYZ 1440 1000 B | Springfield | WBLK 1370 100 |
| WNAX 570 1000 C | Huntsville | WNBX 1260 500 C | Fairmont |
| TENNESSEE | KSAM 1500 100 Kilgore | Waterbury WDEV 550 500 | WMMN 890 500 C |
| Bristol | KOCA 1210 100 | | Huntington |
| WOPI 1500 100 | Laredo | VIRGINIA | WSAZ 1190 1000 |
| Chattanooga | KPAB 1500 100 | Charlottesville | Parkersburg |
| WAPO 1420 100 | Longview | WCHV 1420 100 | WPAR 1420 100 C |
| WDOD 1280 1000 C | KFRO 1370 250M | Danville | Wheeling WWVA 1160 5000 C |
| Jackson WTJS 1310 100 | Lubbock KFYO 1310 100M | WBTM 1370 100 | |
| Johnson City | KFYO 1310 100M Lufkin | Harrisonburg WSVA 550 500 | WISCONSIN |
| WJHL 1200 100 | KRBA 1310 100 | Lynchburg | Eau Claire |
| Knorville | Midland | WLVA 1200 100 | WEAU 1050 1000 |
| WNOX 1010 1000 C WROL 1310 100 N | KRLH 1420 100 | Newport News | Fond du Lac |
| | Palestine | WGH 1310 100 | KFIZ 1420 100 Green Bay |
| Memphis | KNET 1420 100 | Norfolk | WHBY 1200 100 |
| WHBO 1370 100 WMC 780 1000 R | Pampa KPDN 1310 100 | WTAR 780 1000 N Petersburg | WTAQ 1330 1000 C |
| WMPS 1430 500 B | Paris | 1210 100 | Janesville |
| WREC 600 1000 C | KPLT 1500 250M | Richmond | WCLO 1200 100 |
| Nashville Tage C | Pecos | WBBL 1210 100 | LaCrosse |
| WLAC 1470 5000 C | KIUN 1420 100 | WMBG 1350 500 R | WKBH 1380 1000 C |
| 44 DITE 4000 #4 | Port Arthur | WRNL 880 500 | Madison WHA 940 5000 |
| | KPAC 1260 500 San Angelo | WRTD 1500 100 B | WIBA 1280 1000 N |
| TEXAS | KGKL 1370 100 | WRVA 1110 5000 C Roanoke | Manitowoc |
| Abilene | San Antonio | WDBT 930 1000 C | WOMT 1210 100 |
| KRBC 1420 100M | KABC 1420 100M | | Milwaukee |
| Amarillo KGNC 1410 1000 N | KMAC 1370 100 | WASHINGTON_ | WEMP 1310 100 |
| LCGITO | KONO 1370 100 KTSA 550 1000 C | Aberdeen | WISN 1120 250 C WTMJ 620 1000 N |
| Austin KNOW 1500 100 C | KTSA 550 1000 C WOAI 1190 50000 N | KXRO 1310 100M | Poynette |
| KTBC 1120 1000 | Sherman | Bellingham KVOS 1200 100M | WIBU 1210 100 |
| Beaumont | KRRV 1310 250 | Centralia | Racine |
| KFDM 560 500 N | Temple | KELA 1440 500M | WRJN 1370 100 |
| KRIC 1410 100M | KTEM 1370 250M | Everett | Rice Lake WJMC 1210 250 |
| Big Spring KBST 1500 100M | Texarkana KCMC 1420 100M | KRKO 1370 50 | WJMC 1210 250 Sheboygan |
| Brady | Tyler | Longview KWLK 780 250 | WHBL 1300 250 |
| KNEL 1500 250 | KGKB 1500 100M | Olympia 230 | Stevens Point |
| Brownsville | Vernon | K6Y 1210 100 M | WLBL 900 5000 |
| KGFI 1500 100 | KVWC 1500 100 | Pullman | Superior |
| College Station WTAW 1120 500 | Victoria KVIC 1310 100 | KWSC 1220 1000 | WDSM 1200 100 Wausau |
| WTAW 1120 500 Corpus Christi | KVIC 1310 100 Waco | Seattle KEEN 1370 100 | WSAU 1370 100 |
| KRIS 1330 500 N | WACO 1420 100 C | KEEN 1370 100 KIRO 710 1000 C | |
| Corsicana | Weslaco | KJR 970 5000 B | WYOMING |
| KAND 1310 100M | KRGV 1260 1000 N | KOL 1270 1000 M | Casper ⁷ |
| Dallas | Wichita Falls | KOMO 920 1000 R | KDFN 1440 500 |
| KRLD 1040 10000 C WFAA 800 50000 N | KWFT 620 250 | KRSC 1120 250 | Rock Springs |
| WFAA 800 50000 N WRR 1280 500M | UTAH | KTW 1220 1000 KXA 760 250 | KVRS 1370 100 |
| Denton Joon | | KXA 760 250 Spokane | Sheridan |
| KDNT 1420 100 | Cedar City KSUB 1310 100 | KFIO 1120 100 | KWYO 1370 100 |
| Dublin | Logan | KFPY 890 1000 C | BAHAMAS |
| KFPL 1310 100 | KVNU 1500 100 | KGA 1470 5000 B | Nassau |
| El Paso | Ogden _ | KHQ 590 1000 R | ZNS 540 400 |
| KROD 1500 100 KTSM 1310 100 N | KLO 1400 500 B | Tacoma | 2115 310 100 |
| WDAH 1310 100 N | Price KEUB 1420 100 | KMO 1330 1000M KVI 570 1000 C | CANADA |
| Fort Worth | KEUB 1420 100 Salt Lake City | Walla Walla | |
| KFJZ 1370 100M | KDYL 1290 1000 R | KUT 1370 100 | ALBERTA |
| KGKO 570 1600 B | KSL 1130 50000 C | Wenatchee | Calgary |
| KTAT 1240 1000M | KUTA 1500 100 N | KIT 1250 250M | CFAC 930 1000 F CFCN 1030 10000 |
| WBAP 800 50000 N | VERMONT | WEST VIRGINIA | CJCJ 690 100 F |
| Galveston KLUF 1370 100M | | Bluefield | |
| KLUF 1370 100M Greenville | Burlington WCAX 1200 100 | WHIS 1410 500 | Edmonton CFRN 960 100 F |
| KGVL 1200 100 | Rutland | Charleston | CJCA 730 1000 F |
| Houston | WSYB 1500 100 | WCHS 580 500 C | CKUA 580 500 |
| | | | |

| Crade Prairie Crosp 1200 100 Letchbridge Crosp 1200 100 Letchbridge Crosp 1200 100 Letchbridge Crosp Cro | | | | |
|---|-------------------|-------------------|------------------|---------------------|
| CFGP 1200 100 Fort William CKPR 730 100 Fort William CKR 130 100 Fort William CKPR 730 100 Fort William CKR 730 100 Fort William CKR 730 100 Fort William CKR 730 100 Fort William CKPR 730 100 Fort William CKR 730 1 | Grande Prairie | Cohalt | CDCK 050 1000 F | CMCF 810 5000 |
| The continue of the continue | | | | |
| Color | | CKMC 1210 50 | | CM CG 1500 150 |
| CAPUE CAPU | Lethbridge | | CIBR 1030 1000 F | CM CT 1110 500 |
| BRIT. COLUMBIA CHML 1010 100 F CKML 1210 100 F CKML 1210 100 F CKGC 1120 500 F CKGC 120 150 F CKGC 120 100 F | | CKPR 730 100 F | Sherbrooke | CM CK 1030 5000 |
| CHILL 1010 100 F CKOC 1120 500 F CKOC 1120 500 F CKOC 1120 500 F CKOC 120 500 F CKOC 120 500 F CKCA 1420 100 F CKCA 1420 1 | 0,00 ,00 1001 | | | CM CT 720 10000 |
| Chilliware Chi | | | | CMCL /30 10000 |
| Chilliwack CHWK 780 100 F Kamloops CFIC 880 1000 F Kelowna CKOV 630 100 F Kelowna CKOV 650 100 F CFPL 730 100 F CFPL 730 100 F CFPL 730 100 F CFR 100 500 F CFR 100 500 F CFR 100 500 F CKGD 1010 100 CKCD 1010 100 CKWX 1010 100 | PRIT COLUMBIA | | | CM CM 850 250 |
| CHIWK 780 100 F | BRII. COLUMBIA | I CKOC 1120 500 F | CHLN 1420 100 | CM CO 1200 150 |
| CANDOLOGY CAND | | | | CM CO 1200 150 |
| Namioos Nami | Chilliwack | | | CM CD 1200 150 |
| CFIC S80 1000 F CFRC 1510 100 F CFRC 1510 100 F CFRC 1510 100 F CFRC 1510 100 F CFPC 1530 100 F CFPT 1580 150 F CFPT 1580 150 F CFPT 1580 150 F CFPT 1580 150 F CFRC 1510 100 F CFRC 1510 100 F CFRC 1510 100 F CFPT 1530 100 F CFRC 1510 100 F | CHWK 780 100 F | | 0.10** 1.00** | |
| CFC CFC S80 1000 F Kelowma CKOV 630 100 F Chondon CFPL 730 100 F CFR CFC File File CFR CFC File CFC CF | | Kingston | SASKATCHEWAN | CMCU 1290 150 |
| Company Comp | | CFRC 1510 100 F | | CMCW 1140 150 |
| Color Colo | CFJC 880 1000 F | | | |
| CROV 630 100 F Prince Rupert CFPR 580 50 Trail CFPC 1310 100 F CFLC 1310 100 F CFLC 1310 100 F CFLC 1310 100 F CFLC 1010 100 F C | Kelowna | | | |
| North Bay Prince Albert CKR 720 250 CKPR 580 50 CFCH 930 100 F CFCH 930 100 F CKGB 1310 100 F CKGB 1420 100 F CKGB 1420 100 F CKCK 101 100 F | | CFPL 730 100 F | CHAB 1200 100 F | CM CY 570 10000 |
| CFRI 280 50 | | North Bay | | |
| Comparison Com | | | | |
| Trail C AT 910 1000 F Vancouver CRG 1100 500 CRG 1100 500 CRC 1010 100 CRC 1010 CRC | CFPR 580 50 | | | |
| Color | | | Regina | CMOX 1320 200 |
| Ottawa CKCK 1010 1000 F CKCO 1010 100 T CKCO 1010 T CKCO 1010 100 T CKCO 1010 T CKCO | | CKGB 1420 100 F | CTRM 540 1000 F | CMO 600 25000 |
| CBR 1100 5000 F CKCO 1010 100 F CKCO 1010 100 CKCO 1010 CKCO | CJAT 910 1000 F | | | |
| CRED 100 5000 F CRCO 100 100 F CRCO 100 100 F CRCO 1010 To Victoria CFCT 1450 500 F CRCO 1210 50 Sudbury CRSO 780 100 F CRCO 1210 50 Sudbury CRSO 780 100 F CRCO 1210 50 Sudbury CRSO 780 100 F CRCO 1510 100 F CRCO | Vancouver | anoliawa | | |
| CKCD 1010 100 CKCD 1010 CKCD | | CBO 886 1000 F | | CMX 920 1000 |
| Owen Sound CKFC 1410 50 | | CKCO 1010 100 F | CFOC 840 1000 F | Holguin |
| CKPC 1410 50 CKNX 1010 CFLC 930 100 St. Catharines CFCT 1450 500 CKTX 120 1000 F CFLC 1500 100 F Sault Ste. Marie CIS 1200 100 F CIS 1210 50 St. Catharines CKTR 1200 100 F CKX 1120 1000 F CIS 1210 50 St. Catharines CIS 1210 50 CKS 1310 100 F CKS 1310 100 F CKCW 1370 100 F CKCW 1370 100 F Sackville CIS 1310 100 CKNX 1220 100 | | | | |
| CKKC 1410 50 CKWX 1010 100 CKWX 1010 100 CKWX 1010 100 CKUX 1010 100 CKLC 500 S.L. Cathariness CKT 1200 100 F Sault Ste. Marie CIC 1500 100 F Sault Ste. Marie CIC 1500 100 F Startford CIC 1500 100 F Subbury CKS 1210 50 CKCL 580 100 F CKY 910 15000 F CKY 910 15000 F CKY 910 15000 F Moncton CKNX 1200 100 CKNX 1200 CKNX 1200 100 CKNX 1 | | | | |
| CKWX 1010 100 Victoria CFCT CFC 930 100 St. Catharines CKT B 1200 100 F Sault Ste. Marie CI IC 1500 100 F Sault Ste. Marie CI IC 1500 100 F Stratford CSAN Jose TIPG 625 2000 TIX 650 1000 Matanzas CKM H 1220 100 F Stratford CICS 1210 50 Stratford CICS 1210 50 Stratford CICS 1210 50 Sudbury CKS 780 1000 F CFRB 690 10000 C CKCL 580 100 F CRY 910 15000 F CKY 910 1500 F CKY 910 100 F Sackville CBA 50000 St. John CKW 1370 500 F CKY 1200 100 CKY 1370 500 F CKY 1310 500 F | CKFC 1410 50 | | CJGX 1390 100 F | |
| CRWX 1010 100 Victoria 100 V | | | | Manza n illo |
| St. Catharines | | CFLC 930 100 | COSTA DIGA | |
| CKTB 1200 100 F San Jose TIPG 625 2000 CMGF 1120 75 CMGH 790 250 CMGF 1210 75 CMGH 1270 250 CMGF 1210 100 CMHD 1270 250 CMGF 1210 100 CMHD 1270 250 CMHA 1070 50 CMHA 107 | | | COSTA RICA | |
| CRT 1450 500 Sault Ste. Marie Cl C 1500 100 F Sault Ste. Marie Cl C 1500 100 F Stratford Cl C Cl C 1500 100 F Cl Cl C Cl C Cl C Cl C C | Victoria | | | |
| Sault Ste. Marie CI C 1500 100 F Stratford CJCS 1210 50 Sudbury CKX 1120 1000 F Flin Flon CFAR 1370 100 CHAR 1370 100 CKC 1380 100 F CKC 1380 100 F CKC 1370 100 F CKC 1380 100 F CKC 1370 100 F CKC 1370 100 F CKC 1380 100 F CKC 1370 100 F CKC 1370 100 F CKC 1380 100 F CKC 1370 100 F | | | San Jose | CMGC 1400 200 |
| CI C 1500 100 F Stratford CI C 1210 50 Sudbury CKS 1210 50 Sudbury CKSO 780 1000 F CFAR 1370 100 Winnipeg CJRC 630 500 F CKY 910 15000 F CKS 1510 100 Windsor CKCR 1510 100 Windsor CKCR 1510 100 CKX 1220 100 CMS 1340 100 CMS 960 100 CMS 1340 100 CMS 960 100 CMS 1340 100 CMS 960 100 CMS 1340 | 01 01 1430 300 | Sault Ste. Marie | TIPG 625 2000 | CMGF 1120 75 |
| Stratford CLS 1210 50 Sudbury CKSO 780 1000 F Flin Flon CFAR 1370 100 CRC Sudbury CKSO 780 1000 F CKY 910 15000 F CKY 910 1500 CKY 910 15000 CKY 910 15000 CKY 910 1500 CKY 910 15000 CKY 91 | | CIC 1500 100 F | | CMCH 700 250 |
| Cics 1210 50 Sudbury CKSO 780 1000 F Flin Flon CFAR 1370 100 Winnipeg CIRC 630 500 F CRY 910 15000 F CRY | MANITEC DA | | 117 020 1000 | |
| Sudbury CKS 120 1000 F Flin Flon CKA 1370 100 F CKY 910 15000 F CKY 910 100 CKCR 1510 100 CKCR 1510 100 CKCR 1510 100 CKY 1200 CKY 12 | MANIIOBA | | | |
| Subbury CKX 1120 1000 F Flin Flon CKX 1370 100 CKSC 780 1000 C CFR 630 1000 C CKCL 580 100 F CKY 910 15000 CKCL 580 100 F CKY 910 15000 CKCL 580 100 F CKY 910 15000 CKCL 580 100 F CKY 910 15000 CKCW 1370 100 F CKY 1200 100 CKCW 1370 100 F Sackville CBA 50000 St. John CHSJ 1120 500 TKS 120 100 CFCY 630 1000 F CHSL 1300 200 CMKC 1350 CMCC 1350 | | CJCS 1210 50 | CUDA | CM IP 1430 75 |
| CKX 1120 1000 F Filin Flon CFAR 1370 100 CBL 840 50000 F CFR 690 1000 F CFR 690 1000 F CKCL 580 100 F CKNX 1200 100 CMJK 1290 200 CMJK 1390 200 CMJK | Brandon | Sudbury | CORA | |
| Toronto CFAR 1370 100 CFAR 1370 100 CFAR 630 500 F CKY 910 15000 F CKY 960 100 F CKY 960 100 | CKX 1120 1000 F | CESO 780 1000 F | _ | |
| CBA | | | Bayamo | |
| CBL 840 50000 F CBL 840 5000 F | | | CM KT. 990 200 | Pinar del Rio |
| CFRB 690 10000 C CKCK 530 500 F CKCY 960 100 F CKCY 1510 100 CMJC 1390 200 CMJE 1220 50 CMJE 1370 200 CMJE | | CBL 840 50000 F | | |
| CKCL 580 100 F CKCL 580 100 F CKCL 580 100 F CKCY 960 100 F CKCY 960 100 F CMJA 1010 250 CMJA 1010 250 CMJE 1390 200 CMJE 1390 200 CMJE 1220 50 CMJE 1390 200 | Winnineg | CERR 600 10000 C | | |
| CKY 910 15000 F Waterloo CKCK 1510 100 CKCK 1510 100 CKCK 1510 100 CKCK 1510 100 CKJK 1390 200 CMJE 1220 50 CMJE 1220 CMJE 1220 50 CMJE 1220 1220 CMJE | CIRC 630 500 F | | | Contra to to to |
| NEW BRUNSWICK Fredericton CKCR 1510 100 Windsor CKLW 1030 5000 F Moncton CKLW 1030 5000 F Moncton CKNX 1200 100 CMJK 1290 200 CMHH 1210 250 CMJK 1370 100 F Sackville CBA 50000 St. John CHSJ 1120 500 F N. W. TERRITORY Aklavik CJCU 1210 50 MoVA SCOTIA Glace Bay VAS 685 2000 Halifax CHNS 930 1000 F Sydney CICS 1120 100 F CMKS 1450 50 F CMKS 960 60 Havana CRCS 1120 100 F CMKS 960 60 Havana CRCS 1120 100 F CMBD 1260 500 | CTC37 010 15000 T | | Camaguev | CMHA 1070 50 |
| NEW BRUNSWICK Fredericton CKCR 1510 100 Windsor CKLW 1030 5000 F Moncton CKLW 1030 5000 F Moncton CKNX 1200 100 CMJK 1290 200 CMHH 1210 250 CMJK 1370 100 F Sackville CBA 50000 St. John CHSJ 1120 500 F N. W. TERRITORY Aklavik CJCU 1210 50 MoVA SCOTIA Glace Bay VAS 685 2000 Halifax CHNS 930 1000 F Sydney CICS 1120 100 F CMKS 1450 50 F CMKS 960 60 Havana CRCS 1120 100 F CMKS 960 60 Havana CRCS 1120 100 F CMBD 1260 500 | CKY 910 15000 F | | | Sancti Spiritus |
| NEW BRUNSWICK | | Waterloo I | | |
| Fredericton | | | | |
| CKL W 1030 5000 F | NEW BRUNSWICK | | CMJE 1220 50 | |
| CKLW 1030 5000 F | | | CMTF 1150 200 | |
| CFNB 550 500 F Moncton CKNX 1200 100 CKNX 1200 100 CKNX 1200 100 CM Santiago CMKD 1050 150 CMKD 1050 150 CMKD 1050 1000 CMKD 1050 CMKD 1050 1000 CMKD 1000 | Fredericton | CKLW 1030 5000 F | | CMHW 820 500 |
| CKNX 1200 10 | | Wingham | | |
| CKCW 1370 100 F Sackville CBA 50000 St. John ISLAND ISLAND CMGE 1370 200 CMKQ 1490 200 CMKX 1490 200 C | | | | CMTCC 1050 450 |
| PRINCE EDWARD St. John CHSJ 1120 500 F N. W. TERRITORY Aklavik CJCU 1210 50 Summerside CHSC 1450 50 F CHCK 1310 50 CHSC 120 100 F CHSC 1210 100 F CHSC | | CKIVA 1200 100 | CMJX 830 150 | |
| PRINCE EDWARD St. John CHSJ 1120 500 F N. W. TERRITORY Aklavik CJCU 1210 50 Summerside CHSC 1450 50 F CHCK 1310 50 CHSC 120 100 F CHSC 1210 100 F CHSC | CKCW 1370 100 F | | Cardenas | CMKD 1050 1000 |
| CBA | Sackville | DDINGE EDWARD | | CMKG 1160 |
| Chicoutimi Chi | CID 4 FOOOO | PRINCE EDWARD | | CMEO 1400 200 |
| Charlottetown | | ISLAND | | |
| Charlottetown CFCY 630 1000 F CHCK 1310 50 Cienfuegos CHCK 1310 50 CHCK 1310 200 CHCK 1310 2 | St. John | | | CM KK 1400 250 |
| Charlottetown CFCY 630 1000 F CHCK 1310 50 Cienfuegos CHCK 1310 50 CHCK 1310 200 CHCK 1310 2 | CHSJ 1120 500 F | | CMTI 1130 150 | CMKW 1350 |
| CFCY 630 1000 F Cienfuegos CMH 1160 100 CMH 1450 150 CMH 1300 200 CMH 1 | | Charlottetown | | CMKX 1190 75 |
| CHCK 1310 50 CHMM 1450 150 CMHM 1450 150 CMHM 1300 200 CMHM 1330 250 CMHK 1330 250 CMHK 1330 250 CMKS 960 60 HIT 1050 50 HIT 1050 HIT 1050 HIT 1050 HIT 1050 HIT 1050 HIT 1050 HIT | N. W. TERRITORY | | | |
| C C U 1210 50 | | | | DOMESTICAN |
| CHGS 1450 50 F CMHX 1300 200 Cruces CMHX 1300 200 CMX 960 60 CMX 960 60 CMX 960 60 CMX 960 CMX | | | | DOMINICAN |
| CHGS 1450 50 F CMHX 1300 200 Cruces CMHX 1300 200 Cruces CMHX 1300 250 CMBX 1500 | CTCU 1210 50 | | CMHM 1450 150 | DEDIIRLIC |
| Color Colo | | CHGS 1450 50 F | | |
| Quebec Quebec Quebec Chico C | NOVA SCOTIA | | | Ciudad Trujillo |
| QUEBEC QUEBEC CMHK 1330 250 CMKS 960 60 Halifax CRCS 1120 100 F Sydney CICB 1240 1000 F CICB 1240 1000 F CICB 1210 100 F CMBC 950 150 CMBC 1440 225 CMBC 1440 225 CMBC 1440 225 CMBC 1450 250 CMBC 150 CMCC 1250 150 | | | Cruces | |
| Chicoutimi | Glass Par | OWNDER | CMHK 1330 250 | |
| Chicoutimi | | GORREC | | |
| Chicoutimi CRCS 1120 100 F Sydney CIJCB 1240 1000 F Wolfville CKCH 1210 100 F CKBE 1440 225 CMBC 1440 225 CM | VAS 685 2000 | | | HIY 800 800 |
| CHNS 930 1000 F Sydney CRCS 1120 100 F CMBC 950 150 CMBD 1260 500 CMBD 1260 | | Chiii | | |
| CRCS 1120 100 F CMBC 950 150 CMBC 950 150 CMBC 1 | | | | EL SALVADOR |
| Hull CKCH 1240 1000 F Wolfville CKIC 1010 50 Yarmouth CJLS 1310 100 F CFCF 600 500 B CMBL 750 500 CMBL 750 750 TGX 1400 750 150 CMBL 750 750 CMBL 750 750 TGX 1400 750 750 TGX 1400 750 750 TGX 1400 750 750 TGX 1400 750 750 TGX 1450 200 TGX 150 TGX 1450 TGX 150 TGX 1450 T | | CRCS 1120 100 F | CMBC 950 150 | |
| CKCH 1240 1000 F Volville CKCH 1210 100 F CKCH 1210 | | | | |
| CKIC 1010 50 Montreal CBF 910 50000 N CBB 1440 225 CBF 1310 100 F CFCF 600 500 B CMBS 1170 150 TGX 1400 | | | CMIDD 1200 300 | YSS 640 500 |
| CKIC 1010 50 Yarmouth CBF 910 50000 N CMBG 1440 225 CBF 910 50000 N CMBG 1440 225 CBF 910 50000 N CMBG 680 5000 CMBG 1310 100 F CFCF 600 500 B CMBS 1170 150 TGX 1400 CMBC 1700 1700 CMBC | | | | |
| CBF 910 50000 N CMBL 750 500 CMBL 750 500 500 CMBL | | Montreal | CMBG 1440 225 | GUATEMALA |
| Varmouth CJLS 1310 100 F CBM 1050 5000 F CMBO 680 5000 TGW 1520 1000 | 01110 | CBF 910 50000 N | | |
| CFCF 600 500 B CMBS 1170 150 TGX 1400 | | | | TOWN 1500 |
| CHLP 1120 100 F CMBX 1070 150 TGX 1400 | CILS 1310 100 F | | | |
| CHLP 1120 100 F CMBX 1070 150 TG1 1320 CMBX 1070 150 CMCX 1260 150 CMCX 1260 150 CMX 1350 150 Tegucigalpa | -5-2 -520 .031 | CrCr 000 500 B | | TGX 1400 |
| ONTARIO CKAC 730 5000 C CMBY 970 200 Quezaltenango Brantford CKPC 930 100 F CHNC 960 1000 F CMC 1260 150 TGQ 1450 200 CKPC 930 100 F Quebec CMCA 1350 450 CMCA HONDURAS Chatham CHRC 580 100 CMCB 1230 150 Tegucigalpa | | CHLP 1120 100 F | CMBX 1070 150 | TG1 1320 |
| New Carlisle | ONTARIO | CKAC 730 5000 C | | |
| CKPC 930 100 F CMC 1260 150 CMC 1270 | O | New Carlisle | | |
| CKPC 930 100 F Quebec CMCA 1350 450 HONDURAS Chatham CHRC 580 100 CMCB 1230 150 Tegucigalpa | Durantand | CTING OCO 1000 N | | TGQ 1450 200 |
| Chatham CHRC 580 100 CMCB 1230 150 Tegucigalpa | | | | |
| Chatham CHRC 580 100 CMCB 1230 150 Tegucigalpa | CKPC 930 100 F | Quebec | CMCA 1350 450 | HONDURAS |
| | | | | |
| 50 100 F CRCV 1510 100 F CMCD 630 250 HRN 1250 50 | CECO 630 100 E | | | IIDN 1050 50 |
| | 01 00 000 100 F | | CMCD 030 250 I | ERIN 1250 50 |

| MEXICO | Villa Acuna | JALISCO | Nuevo Laredo |
|-------------------------------|---------------------------------|--|-------------------------------|
| | XEDH 1340 200 | | XEBK 1080 100 |
| AGUASCALIENTES | XERA 840 250000 | Guadalajara | XEDF 810 100 |
| Aguascalientes | | XED 1160 2500 | XEFE 980 250 |
| XEBI 1000 25 | D. F. | Guzman | XENT 910 150000 |
| XEB1 1000 25 | | XEBA 1080 20 | Reynosa |
| BAJACALIFORNIA | Gral. Anaya | MICHOACAN | XEAW 960 100000 |
| | XEDA 1220 200 | | Tampico |
| Mexicali | Mexico City | Morelia | XEFW 1310 300 |
| XEAA 750 200 | XEAI 1250 500 | XEJ 1370 125 | XES 990 250 |
| XEAO 660 250 | XEAL 660 1000 XEB 1030 10000 | NUEVO LEON | |
| Rosarito Beach | XEB 1030 10000 XEBS 1340 200 | | TIED A ODITA |
| XERB 730 100000 Tijuana | XEBS 1340 200 XEBZ 810 100 | Monterrey XEFB 870 200 | VERACRUZ |
| XEAC 980 1000 | XEDP 1080 500 | XEG 1230 250 | Cordoba |
| XEAU 1320 | XEFO 940 5000 | XEH 720 250 | XEAG 1310 10 |
| XEBG 820 1000 | XEIP 1130 100 | XET 690 5000 | Jalapa |
| XEC 1150 100 | XEJW 870 500 | XEX 1310 125 | XEXB 1270 250 |
| XELO 580 10000 | XEK 890 100 | | XEXD 1340 350 |
| XEMO 860 5000 | XEL 1100 250 | PUEBLA | Minatitlan XEDW 1150 20 |
| XEOK 760 2500 | XELZ 1370 100 | Puebla | Veracruz |
| | XEMX 1280 100 XEN 780 1000 | XETH 1210 100 | XETF 1220 12 |
| CHIHUAHUA | XEN 780 1000 XENC 860 50 | | XEU 1010 250 |
| | XEO 710 50000 | SAN LUIS POTOSI | |
| Chihuahua XEBU 1200 50 | Mexico City, D. F. | | YUCATAN |
| XEBU 1200 50 XEFI 1440 250 | XEW 890 50000 | San Luis Potosi XECZ 1370 100 | Merida |
| Juarez | XEXM 610 500 | XECZ 1370 100 XEXH 1250 250 | Merida XEFC 550 100 |
| XEF 1450 100 | XEXS 1310 100 | | XEME 1240 50 |
| XEFV 1210 100 | XEXX 1170 1000 | SINALOA | XEZ 630 500 |
| XEJ 1020 1000 | XEYO 610 500 | Mazatlan | |
| XEP 1160 500 | Tacuba XEFA 1180 500 | XEBL 1220 50 | |
| Parral | XEFA 1180 500 Texcoco | XEDE 1220 30 | ZACATECAS |
| XEAT 1210 250 | YEXE 1270 17 | SONORA | Zacatecas |
| | VEXE 1279 | Section National Control of the Cont | XEAZ 1230 200 |
| - | DURANGO | Cananea | |
| COAHUILA | Durango | XEFQ 1010 50 | MIQUELON |
| Piedras Negras | XEBP 1150 250 | Hermosillo | St. Pierre |
| XFMU 580 250 | XEE 1210 50 | XEBH 930 500 | FQN 609 250 |
| XEPN 730 100000 | 11.00 | Nogales XEAF 990 750 | NEWFOUNDLAND |
| Sabinas | GUANAJUATO | Obregon 750 | 1 |
| XEBX 640 250 | | XEAP 1340 50 | St. John's |
| Saltillo | Irapuato | | VOAC 1065 40 |
| XEAS 1160 100 XELA 1240 50 | XEBO 1310 25 | TAMAULIPAS | VOCM 1006 200 |
| Torreon | Leon VEFM 1160 20 | Matamoros | VOGY 840 400 VONF 1195 500 |
| XETB 1310 125 | XEKL 1240 500 | XEAM 750 25 | VOWR 681 500 |

QSA AND R CODES

The R code describes the volume with which a signal is heard.

R1 is a signal that is barely perceptible.

R2 is a very weak signal.

R3 is a weak signal.

R4 are signals of fair volume.

R5 are fairly good signals.

R6 are good signals.

R7 are mderately strong signals.

R8 are strong signals.

R9 are extremely strong signals.

The QSA Code is used to describe tne understandability of a station's signal.

QSA1 is a signal that is unreadable.

QSA2 is one that is barely perceptible. A word can be understood now and then.

QSA3 is understandable with difficulty.

QSA4 is a signal that can be understood with practically no difficulty.

QSA5 is perfectly understandable.

CHSJ

1120

St. John, N. B.

500

NORTH AMERICAN B. C. STATIONS BY CALLS CBA 50000 CHWK 780 100 630 100 Sackville, N. B. CBF 910 Kelowna, B. C. CKPC 930 Chilliwack, B. C. CBF 50000 910 100 CJAT 1000 Montreal, P. Q. Trail, B. C. Brantford, Ont. CBK 50000 CKPR 730 100 CIBR 1030 1000 Fort William, Ont. CKSO 780 10 Rimouski, P. Q. CJCA 730 CBL 840 50000 1000 CJCA 1000 Sudbury, Ont. Toronto, Ont. Edmonton, Alta. CBM 1050 5000 CKTB 1200 1000 100 CJCB 1240 St. Catharines, Ont. Montreal, P. Q. Sydney, N. S. CKUA 580 880 CBO 1000 CJCJ 690 100 500 Edmonton, Alra. Ottawa, Ont. Calgary, Alta. CKWX 1010 100 1210 CBR 1100 **50**00 CICS 50 Vancouver, B. C. Vancouver, B. C. Stratford, Ont. CKX 1120 CFAC 930 1000 CJCU 1210 50 1000 Brandon, Man. Calgary, Alta. Aklavik, N. W. 100 CKY 910 CJGX 1390 CFAR 1370 100 15000 Winnipeg, Man. Flin Flon, Man. Yorkton, Sask. CMAB 1340 CFCF 600 500 CJIC 1500 100 100 Pinar del Rio, Cuba CMBC 950 150 Montreal, Que. S. Ste. Marie, Ont. CFCH 930 North Bay, Ont. CJKL 1310 North Bay, Ont. 100 100 150 Havana, Cuba CMBD 1260 CFCN 1030 CJLS 1310 100 10000 500 Yarmouth, N. S. Havana, Cuba Calgary, Alta. 770 CFČO 630 100 Cloc 950 100 CMBF 5000 Havana, Cuba CMBG 1440 Chatham, Ont. Lethbridge, Alta. 500 CFCT 1450 500 CJOR 600 225 Vancouver, B. C. Havana, Cuba Victoria, B. C. CFCY 630 1000 630 CMBL 500 CJRC 750 500 Charlottetown, P.E.I. Winnipeg, Man. Havana, Cuba СМВО CFGP 1200 100 540 1000 CJRM 680 5000 Grande Praire, Havana, Cuba CMBS 1170 Regina, Sask. Alta. CFJC 880 1000 CKAC 730 5000 150 Kamloops, B. C. Montreal, Que. Havana, Cuba CMBX 1070 CFLC 930 100 1210 100 CKBI 150 Prescott, Ont. Havana, Cuba Prince Albert, Sask. CFNB 550 500 CKCA 1420 50000 CMBY 970 200 Fredericton, N. B. CFPL 730 Havana, Cul CMBZ 1000 Kenora, Ont. CKCD 1010 Cuba 100 100 500 London, Ont. Vancouver, B. Havana, Cuba CFPR 580 CKCH 1210 CMC 50 100 1260 150 Prince Rupert, B. C. Hull, Que. Havana, Cuba CFQC 840 1000 CKCK 1010 Regina, Sask. 1000 CMCA 1350 450 Saskatoon, Sask. Havana, Cuba CMCB 1230 CFRB 690 10000 100 CKCL 580 150 Toronto, Ont. Toronto, Ont. Havana, Cuba CMCD 630 Havana, Cuba CFRC 1510 CKCO 1010 Ottawa, Ont. 100 100 250 Kingston, Ont. CFRN 960 100 CKCR 1510 100 CMCF 810 5000 Havana, Cuba CMCG 1500 Edmonton, Alta. Waterloo, Ont. CHAB 1200 CKCV 1310 100 100 1.50 Moose Jaw, Sask. Quebec, Que. CKCW 1370 Havana, Cuba CMCJ 1110 CHCK 1310 50 100 500 Havana, Cuba CMCK 1030 Charlottetown, P.E.I. Moncton, N. B. CHGS 1450 CKFC 1410 50 50 5000 Summerside, P.E.I. Havana, Cuba Vancouver, B. C. CHLN 1420 100 CKGB 1420 100 CMCL 730 10000 Three Rivers, P. CHLP 1120 North Bay, Ont. Q. Havana, Cuba 100 CKIC 1010 50 CMCM 850 250 Montreal, Que. Wolfville, N. S. Havana, Cuba CHLT 1210 100 CKLW 1030 5000 CMCO 1200 150 Sherbrooke, P. Q. Windsor, Ont. Havana, Cuba CMCQ 1410 CHML 1010 100 CKMC 1210 50 5000 Hamilton, Ont. Cobalt. Ont. Havana, Cuba CHNC 960 CKMO 1410 CMCR 1380 1000 100 150 New Carlisle, Que. Havana, Cuba CMCU 1290 Vancouver, B. C. CHNS 930 1000 CKNX 1200 100 150 Halifax, N. S. Wingham, Ont. Havana, Cuba CMCW 1140 CHRC 580 100 CKOC 1120 500 1.50 Quebec, P. Q. Hamilton, Ont. Havana, Cuba

| | NORTH AME | RICAN | B. C. STATIONS | BY (| CALLS |
|----------|--|----------|---------------------------------------|------|--|
| | CMCX 1380 150 | | CMKR 1400 250 [| | |
| 1 | Havana, Cuba | 1 | Santiago, Cuba | | KBPS 1420 100 Portland, Ore. |
| | CMCY 570 10000 | | CMKS 960 60 | | KBST 1500 100 |
| | Havana, Cuba | 1 | Guantanamo, Cuba | | |
| | CMGC 1400 200 | | C3612337 1020 | | Big Spring, Texas |
| 1 | Matanzas, Cuba | 1 | Santiago, Cuba | | KBTM 1200 100 |
| | CMGE 1370 200 | - | CMKX 1190 75 | | Jonesboro, Ark. |
| 1 | Cardenas, Cuba | | Santiago, Cuba | | KCKN 1310 100 |
| | CMGF 1120 75 | - | CMKZ 1430 125 | | Kansas City, Kans. |
| 1 | Matanzas, Cuba | | Palma Soriano, Cuba | | KCMC 1420 100 |
| | CMGH 790 250 | | CMOA 1440 150 | | Texarkana, Texas |
| 1 | Matanzas, Cuba | | Havana, Cuba | | KCMO 1370 100 |
| | CMHA 1070 50 | | CMOX 1320 200 | | Kansas City, Mo. |
| | Sagua la Grande, Cuba | 1 | Havana, Cuba | | KCRC 1360 250 |
| | CMHB 1240 50 | - | CMQ 600 25000 | | Enid, Okla. |
| | Sancti Spiritus, Cuba | | Havana, Cuba | | KCRJ 1310 100 |
| | CMHD 1270 250 | | CMW 880 1400 | | Jerome, Ariz. |
| 1 | Caibarien, Cuba | | Havana, Cuba | | KDAL 1500 100 |
| | CMH1 1210 250 | | CMX 920 1000 | | Duluth, Minn. |
| 1 | Santa Clara, Cuba | | Havana, Cuba | | KDB 1500 100 |
| | CMHJ 1160 100 | | CRCK 950 1000 | | Santa Barbara, Calif. KDFN 1440 500 |
| | Cienfuegos, Cuba | | Quebec, Que. | | Casper, Wyo. |
| | CMHK 1330 250 | | ČRCS 1120 100 | | KDKA 980 50000 |
| | CMHK 1330 250 Cruces, Cuba CHHM 1450 500 | • | Chicoutimi, Que. | | Pittsburgh, Pa. |
| | CHHM 1450 500 | | CRCY 960 100 | | KDLR 1210 100 |
| | Cienfuegos, Cuba | | Toronto, Ont. | | Devils Lake, N. D. |
| | CMHW 820 100 Santa Clara, Cuba | | FQN 609 250 | | KDNC 1200 100 |
| | Santa Clara, Cuba | | St. Pierre, Miquelon | | Lewistown, Mont. |
| | CMHX 1300 200 | | HIN 1090 740 | | KDNT 1420 100 |
| | Cienfuegos, Cuba | | Ciudad Trujillo, D. R. | | Denton, Texas |
| | CMJA 1010 250 Camaguey, Cuba | | HIT 1050 50 | | KDON 1210 100 |
| - | CMJC 1390 200 | | Ciudad Trujillo, D. R. HIX 800 800 | | Monterey, Calif. |
| | Camaguey, Cuba | | HIX 800 800 Ciudad Trujillo, D. R. | | KDTH 1340 500 |
| | CMJE 1220 50 | | HP50 1440 | | Dubuque, Iowa |
| | Camaguey, Cuba | | Panama City, Panama | | |
| | CMJF 1150 200 | _ | HRN 1250 50 | | Salt Lake City, Utah KECA 1430 1000 |
| | Camaguey, Cuba | | Tegucigalpa, Hon. | | KECA 1430 1000 Los Angeles, Calif. |
| | CMJH 1360 200 | | KABC 1420 100 | | KEEN 1370 100 |
| | Ciego de Avila, Cuba | | San Antonio, Texas | | Seattle, Wash. |
| | CMJI 1130 150 | | KABR 1390 500 | | KEHE 780 1000 |
| 1 | Ciego de Avila, Cuba | | Aberdeen, S. Dak. | | Los Angeles, Calif. |
| | CMJK 1290 200 | | KADA 1200 100 | | KELA 1440 500 |
| | Camaguey, Cuba | | Ada, Okla. | | Centralia, Wash. |
| | CMJO 1180 50 | | KALB 1210 100 | | KELD 1370 100 |
| L | Ciego de Avila, Cuba | | Alexandria, La. | - | El Dorado, Ark. |
| | CMJP 1430 75 | | KALE 1300 1000 | | ₩ FT O 1200 100 |
| | Camaguey, Cuba | | Portland, Ore. | | Sioux Falls, S. Dak. |
| | CMJW 1340 300 | | KAND 1310 100 | | KERN 1370 100 |
| | Camaguey, Cuba | <u> </u> | Corsicana, Texas | | Bakersfield, Calif. |
| | CMJX 830 150 | | KANS 1210 100 | | KEUB 1420 100 |
| L | Camaguey, Cuba | | Wichita, Kans | | Price, Utah |
| i | CMK 720 250 | | KARK 890 500 | | KEX 1180 5000 |
| L | Havana, Cuba | | Little Rock, Ark. | | Portland, Ore. |
| 1 | CMKC 1250 150 | | KARM 1310 100 | | KFAB 770 10000 |
| L | Santiago, Cuba | | Fresno, Calif. | | Lincoln, Neb. |
| | CMKD 1050 1000 | | KASA 1210 100 | | KFAC 1300 1000 |
| | Santiago, Cuba | | Elk City, Okla. | | Los Angeles, Calif. |
| | CMKF 1460 250 | | KAST 1370 100 | | KFAM 1420 100 |
| | Holguin, Cuba | | Astoria, Ore. | | St. Cloud, Minn. |
| 1 | CMKG 1160 | 1 | KATE 1420 250 | | KFAR 610 1000 |
| <u> </u> | Santiago, Cuba CMKL 990 200 | | Albert Lea, Minn. | | Fairbanks, Alaska |
| 1 | | 1 | KAWM 1500 100 | | KFBB 1280 1000 |
| | Bayamo, Cuba CMKM 1120 100 | | Gallup, N. Mex. | | Great Falls, Mont. |
| 1 | Manzanillo, Cuba | 1 | KBIX 1500 100 | | KFBI 1050 5000 |
| <u> </u> | | <u> </u> | Muskogee, Okla. | | Abilene, Kans. |
| | | | KBKR 1500 100 | | KFBK 1490 10000 |
| | Holguin, Cuba CMKO 1490 200 | | Baker, Ore. | | Sacramento, Calif. |
| 1 | CMKQ 1490 200 Santiago, Cuba | 1 | KBND 1310 100 | | KFDM 560 500 |
| \vdash | Cannago, Cuba | ├ | Bend, Ore. | | Beaumont, Texas |
| 1 | ĺ | | [] | | |
| | J | | <u> </u> | | <u> </u> |
| | | | | _ | |

| | KFDY 780 1000 | | KFYR 550 1000 | | KGLU 1420 100 Safford, Ariz. KGMB 1320 1000 |
|---|--|---------------|---------------------------------------|---|---|
| | Brookings, S. D. | | Bismarck, N. D. | | Safford, Ariz. |
| | KFEL 920 500 | | KGA 1470 5000 | | KGMB 1320 1000 |
| | Denver, Colo. | | Spokane, Wash. | | Honolulu, T. H. |
| | KFEQ 680 2500 | | KGAR 1370 100 | | KGNC 1410 1000 |
| | St. Joseph, Mo. | | Tucson, Ariz. | | Amarillo, Texas |
| | KFGQ 1370 100 | | KGB 1330 1000 | | KGNF 1430 1000 North Platte, Neb. |
| | Boone, Iowa | 1 1 | San Diego, Calif. | | North Platte, Neb. |
| | KFH 1300 1000 | | KGBU 900 500 | | KGNO 1340 250 |
| 1 | Wichita, Kans. | | Ketchikan, Alaska | | Dodge City, Kans. |
| | KFI 640 50000 | | KGBX 1230 500 | | KGO 790 7500 |
| | Los Angeles, Calif. | | Springfield, Mo. | | San Francisco, Calif. |
| | KFIO 1120 100 | | KGCA 1270 100 | | KGU 750 2500 |
| | Spokane, Wash. | | Decorah, Iowa | | Honolulu, T. H. |
| | KFIZ 1420 100 | | KGCI 1200 100 | | KGVL 1200 100 |
| | Fond du Lac, Wis. | | Coeur d'Alene, Idaho | | Greenville, Texas |
| | KFJB 1200 100 | | KGCU 1240 250 | | KGVO 1260 1000 |
| | Marshalltown, Iowa | | Mandan, N. D. | | Missoula, Mont. |
| | KFJI 1210 100 | | KGCX 1450 1000 | | KGW 620 1000 |
| 1 | Klamath Falls, Ore. | | Wolf Point, Mont. | | Portland, Ore. |
| | KFJM 1410 500 | - | KGDE 1200 100 | | KGY 1210 100 |
| | Grand Forks, N. D. | | Fergus Falls, Minn. | | Olympia, Wash. |
| | KFJZ 1370 100 | \vdash | Fergus Falls, Minn. KGDM 1100 1000 | | KHBC 1400 250 |
| | Fort Worth, Texas | | Stockton, Calif. | | Hilo, T. H. |
| | KFKA 880 500 | \vdash | KGEK 1200 100 | a | KHBG 1210 100 |
| | Greeley, Colo. | | Sterling, Colo. | | Okmulgee, Okla. |
| | KFKU 1220 1000 | \vdash | KGER 1360 1000 | | KHJ 900 1000 |
| 1 | Lawrence, Kans. | | Long Beach, Calif. | | Los Angeles, Calif. |
| | KFNF 890 500 | | | | KHQ 590 1000 |
| 1 | Shenandoah, Iowa | | KGEZ 1310 100 Kalispell, Mont. | | Spokane, Wash. |
| | KFOR 1210 100 | | KGFF 1420 100 | | KHSL 1260 250 |
| 1 | Lincoln, Neb. KFOX 1250 1000 | l 1 | Shawnee, Okla. | | Chico, Calif. |
| | KFOX 1250 1000 | | | | KHUB 1310 250 |
| 1 | Long Beach, Calif. | l 1 | RGFI 1500 100 Brownsville, Tex. | | Watsonville, Calif. |
| | KFPL 1310 100 | - | KGFJ 1200 100 | | KICA 1370 100 |
| 1 | Dublin, Texas | | Los Angeles, Calif. | | Clovis, N. M. |
| | Long Beach, Calif. KFPL 1310 100 Dublin, Texas KFPW 1210 100 | | KGFL 1370 100 | | KID 1320 500 |
| | Fort Smith, Ark. KFPY 890 1000 | | Roswell, N. Mex. | | Idaha Fails, Idaho |
| | KFPY 890 1000 | | KGFW 1310 100 | | KIDO 1350 1000 |
| | Spokane, Wash. | | Kearney, Neb. | | Boise, Idaho |
| | KFQD 780 250 | | KGFX 630 200 | | KIDW 1420 100 |
| | Anchorage, Alaska | | Pierre, S. D. | | Lamar, Colo. |
| | KFRC 610 1000 | | KGGF 1010 1000 | | KIEM 1450 500 |
| 1 | San Francisco, Calif. | | Coffeyville, Kans. | l | Eureka, Calif. |
| | KFRO 1370 250 | | KGGM 1230 1000 | | KIEV 850 250 |
| | Longview, Texas | | Albuquerque, N. M. | 1 | Glendale, Calif. |
| | KFRU 630 500 | | KGHF 1320 500 | | KINY 1310 100 |
| | Columbia, Mo. | | Pueblo, Colo. | | Juneau, Alaska |
| | KFSD 600 1000 | | KGHI 1200 100 | | KIRO 710 1000 |
| | San Diego, Calif. KFSG 1120 500 | | Little Rock, Ark. | | Seattle, Wash. |
| | KFSG 1120 500 | | KGHL 780 1000 | | KIT 1250 250 |
| | Los Angeles, Calif. | | Billings, Mont. | | Yakima, Wash. |
| | KFUO 550 500 | | KGIR 1340 1000 | | KITE 1530 1000 |
| | St. Louis, Mo. | | Butte, Mont. | | Kansas City, Mo. |
| | KFVD 1000 1000 | | KGIW 1420 100 | | KIUL 1210 _ 100 |
| | Los Angeles, Calif. | | Alamosa, Colo. | | Garden City, Kans. |
| | KFVS 1210 100 | | KGKB 1500 100 Tyler, Texas | | KIUN 1420 100 |
| | Cape Girardeau, Mo. | | Tyler, Texas | | Pecos, Texas |
| | KFWB 950 1000 | | VOVT 19/0 100 | | KIUP 1370 100 |
| L | Los Angeles, Calif. | | San Angelo, Texas | | Durango, Colo. |
| | KFXD 1200 100 | | KGKO 570 1000 | | KJBS 1070 500 |
| | Nampa, Idaho | | Fort Worth, Texas | | San Francisco, Calif. |
| | KFXJ 1200 100 | | KGKY 1500 100 | | KJR 970 5 000 |
| | KFXJ 1200 100 Grand Junction, Colo. | | Scottsbluff, Neb. | | Seattle, Wash. |
| | KFXM 1210 100 | $\overline{}$ | KGLO 1210 100 | | Seattle, Wash. KLAH 1210 100 |
| | San Bernardino, Calif. | | Mason City, Iowa | | Carlsbad, N. Mex. |
| | KFYO 1310 100 | $\overline{}$ | | | KLBM 1420 100 |
| | Lubbock, Texas | | | | La Grande, Ore. |
| | | | | | 1 |
| Ì | | | | | |
| | | | 1 | | 1 |
| | | | | | |
| | | | J | | |

| | KLCN 1290 100 | | KOMA 1480 5000 | r | KRMD 1310 100 |
|-------------|--|-------------|---|---------------|---|
| | Blytheville, Ark. | | Oklahoma City, Okla. | | Shreveport, La. |
| | KLO 1400 500 | | KOME 1310 250 | | KRNR 1500 100 |
| | Ogden, Utah | | Tulsa, Okla. | | Roseburg, Ore. |
| | KLPM 1240 250 | ì ' | KOMO 920 1000 | | KRNT 1320 1000 |
| | Minot, N. D. | | Seattle, Wash. KONO 1370 100 | | Des Moines, Iowa |
| | KLRA 1390 1000 | | KONO 1370 100 San Antonio, Texas | | KROC 1310 100 |
| | Little Rock, Ark. KLS 1280 250 | | KOOS 1200 100 | | Rochester, Minn. KROD 1500 100 |
| | Oakland, Calif. | | Marshfield, Ore. | | El Paso, Texas |
| | KLUF 1370 100 | | KORE 1420 100 | | KROW 930 1000 |
| | Galveston, Texas | | Eugene, Ore. | $\overline{}$ | Oakland, Calif. |
| | KLX 880 1000 | | KOTN 1500 100 | | KROY 1210 100 |
| \vdash | Oakland, Calif. | | Pine Bluff, Ark. KOVC 1500 100 | - | Sacramento, Calif. |
| | KLZ 560 1000 | | Valley City, N. Dak. | | KRQA 1310 100 Santa Fe, N. Mex. |
| | Denver, Colo. KMA 930 1000 | | KOY 1390 1000 | | KRRV 1310 250 |
| | Shenandoah, Iowa | | Phoenix, Ariz. | | Sherman, Texas |
| | KMAC 1370 100 | | KPAB 1500 100 | | KRSC 1120 250 |
| | San Antonio, Texas | | Laredo, Texas | \vdash | Seattle, Wash. |
| | KMBC 950 1000 Kansas City, Mo. | | Port Arthur, Texas | | KSAC 580 500 |
| — | KMED 1410 250 | | KPDN 1310 100 | - | Manhattan, Kans. |
| | Medford, Ore. | | KPDN 1310 100 Pampa, Texas | | KSAL 1500 100 Salina, Kans, |
| | KMJ 580 1000 | | KPFA 1210 100 | | KSAM 1500 100 |
| | Fresno, Calif. | | Helena, Mont. KPLC 1500 100 | | Hunsville, Texas |
| | KMLB 1200 100 | 1 | KPLC 1500 100 | | KSAN 1420 100 |
| | Monroe, La. | | Lake Charles, La. KPLT 1500 250 | | San Francisco, Calif. |
| | KMMJ 740 1000 | | Paris, Texas | | KSCJ 1330 1000 |
| | Clay Čenter, Neb. KMO 1330 1000 | | KPMC 1550 1000 | | Sioux City, Iowa KSD 550 1000 |
| | Tacoma, Wash. | | Bakersfield, Calif. | | St. Louis, Mo. |
| | KMOX 1090 30000 | | KPO 680 50000 | | KSEI 900 250 |
| | St. Louis, Mo. | | San Francisco, Calif. KPOF 880 1000 | <u></u> | Pocatello, Idaho |
| 1 | KMPC 710 500 | | KPOF 880 1000 Denver, Colo. | | KSFO 560 1000 |
| \vdash | Beverly Hills, Calif. KMTR 570 1000 | | KPPC 1210 100 | | San Francisco, Calif. KSL 1130 50000 |
| | Los Angeles, Calif. | | Pasadena, Calif. | | Salt Lake City, Utah |
| | KNEL 1500 250 | | KPQ 1500 100 | | KSLM 1370 100 |
| | Brady, Texas | | Wenatchee, Wash. KPRC 920 1000 | | Salem, Ore. |
| 1 | KNET 1420 100 | | KPRC 920 1000 Houston, Texas | | KSO 1430 500 |
| <u> </u> | Palestine, Texas | \vdash | KOV 1380 500 | | Des Moines, Iowa KSOO 1110 5000 |
| | KNOW 1500 100 | | Pittsburgh, Pa. | | Sioux Falls, S. Dak. |
| | Austin, Texas KNX 1050 50000 | | KQW 1010 1000 | | KSRO 1310 100 |
| | Los Angeles. Canf | | San Jose, Calif. | | Santa Rosa, Calif. |
| | KOA 830 50000 | | KRBA 1310 100 | | KSTP 1460 10000 |
| | Denver, Colo. | | Lufkin, Texas KRBC 1420 100 | | St. Paul, Minn. |
| | KOAC 550 1000 | | | | KSUB 1310 100 Cedar City, Utah |
| - | Corvallis, Ore. | | Abilene, Texas KRBM 1420 100 | \vdash | KSUN 1200 100 |
| | KOAM 790 1000 Pittsburg, Kans. | | Bozeman, Mont. | | KSUN 1200 100 Lowell, Ariz. |
| | KOB 1180 10000 | | KRE 1370 100 | | KTAR 620 1000 |
| | Albuquerque, N M. | | Berkeley, Calif. | | Phoenix, Ariz. |
| | KOBH 1370 100 | | KRGV 1260 1000 | | KTAT 1240 1000 |
| | Rapid City, S. Dak. | | Weslaco, Texas KRIC 1420 100 | | Fort Worth, Texas |
| | KOCA 1210 100 | | Beaumont, Texas | | KTBC 1120 1000 |
| - | Kilgor i, Texas KOCY 1310 100 | | KRIS 1330 500 | \vdash | Austin, Texas KTBS 1450 1000 |
| | Oklahoma City, Okla. | | Corpus Christi, Tex. | | Shreveport, La. |
| | KOH 1380 500 | | KRKD 1120500 | | KTEM 1370 250 |
| | Reno, Nev. | | Los Angeles, Calif. | | KTEM 1370 250 Temple, Texas |
| | KOIL 1260 1000 | | KRKO 1370 50 Everett, Wash. KRLC 1390 250 | | KTFI 1240 1000 |
| | Omaha, Neb. | | KRLC 1390 250 | | Twin Falls, Idaho KTHS 1060 10000 |
| | KOIN 940 1000 Portland, Ore. | | Lewiston, Idaho | | Hot Springs, Ark. |
| | KOKO 1370 100 | _ | | | KTKC 1190 250 |
| | La Junta. Colo. | | KRLD 1040 10000 Dallas, Texas | | Visalia, Calif. |
| | KOL 1270 1000 | | KRLH 1420 100 | | KTMS 1220 500 |
| | Seattle. Wash. | | Midland, Texas | | Santa Barbara, Calif. |
| | | | KRMC 1370 100 | | |
| | | | Jamestown, N. Dak. | | |
| | | | | | |

| | 1 1270 27 1070 100 | | KWJJ 1040 500 | | |
|----------------------------------|--|-------------|--|-----|--------------------------------------|
| 1 | KTOK 1370 100 | ı | KWJJ 1040 500 Portland, Ore. | | 'WAAT 940 500 |
| | Oklahoma City, Okla. | | | | Jersey City, N. J. |
| 1 | KTRB 740 250 | l | KWK 1350 1000 St. Louis, Mo. | ! 1 | WAAW 660 500 |
| | Modesto, Calif. | | | | Omaha. Neb. WABC 860 50000 |
| | KTRH 1290 1000 | i . | | | |
| - | Houston, Texas | | Shreveport, La. | | New York, N. Y. |
| 1 | KTRI 1420 100 | 1 | KWLC 1270 100 | | WABI 1200 100 |
| | Sioux City, Iowa | | Decorah, Iowa | | Bangor, Maine |
| ļ. | KTSA 550 1000 | 1 | KWLK 780 250 | | WABY 1370 100 |
| | San Antonio, Texas | ├ | Longview, Wash. | | Albany, N. Y. |
| 1 | KTSM 1310 100 | l | KWNO 1200 250 | | WACO 1420 100 |
| | El Paso, Texas KTUL 1400 1000 | ⊢— | Winona, Minn. | | Waco, Texas |
| | KTUL 1400 1000 | 1 | KWOC 1310 100 | 1 | WADC 1320 1000 |
| | Tulsa, Okla. | | Poplar Bluff, Mo. | | Akron, Ohio |
| | KTW 1220 1000 | 1 | KWOS 1310 100 | 1 | WAGA 1450 500 |
| | Seattle, Wash. | | Jefferson City, Mo. | | Arlanta, Ga. |
| | KUJ 1370 100 | l | KWSC 1220 1000 | | Arlanta, Ga. WAGF 1370 250 |
| | Walla Walla, Wash. | | Pullman, Wash. | | Dothan, Ala. WAGM 1420 100 |
| | KUMA 1420 100 | | KWTO 560 5000 | | WAGM 1420 100 |
| | Yuma, Ariz. | | Springfield, Mo. | | Presque Isle, Me. |
| | KUOA 1260 5000 | | KWYO 1370 100 | | WAIM 1200 100 |
| | Siloam Springs, Ark. | | Sheridan, Wyo. | | Anderson, S. C. |
| | KUSD 890 500 | | KXA 760 250 | | WAIR 1250 250 |
| | Vermillion, S. Dak. | 1 | Seattle, Wash, | | Winston-Salem, N. C. |
| | KUTA 1500 100 | | KXL 1420 100 | | WALA 1380 500 |
| | Salt Lake City, Utah | | Portland, Ore. | | Mobile, Ala. |
| | KVAK 1420 100 | | KXO 1500 100 | | WALR 1210 100 |
| 1 | Atchison, Kans. | l | El Centro, Calif. | | Zanesville, Ohio |
| | KVCV 1200 100 | | KXOK 1250 1000 | | WAML 1310 100 |
| | Redding, Calif. | 1 | St. Louis, Mo. | | Laurel, Miss. |
| - | KVEC 1200 100 | | KXRO 1310 100 | | WAPI 1140 5000 |
| l . | San Luis Obispo, Cal. | | Aberdeen, Wash. | | Birmingham, Ala. |
| | KVGB 1370 100 | | KXYZ 1440 1000 | | WAPO 1420 100 |
| | Great Bend, Kans. | | Houston, Texas | | Chattanooga, Tenn. |
| | KVI 570 1000 | | KYA 1230 1000 | _ | WARD 1400 500 |
| 1 | Tacoma, Wash. | 1 | San Francisco, Calil. | | Brooklyn, N. Y. |
| | KVIC 1310 100 | | KYCA 1500 100 | | WASH 1270 500 |
| 1 | | | Prescott, Ariz. | 1 | Grand Rapids, Mich. |
| - | Victoria, Texas | | KYOS 1040 250 | | WATL 1370 100 |
| | KVNU 1500 100 | | KYOS 1040 250 Merced, Calif. KYSM 1500 100 | | Atlanta, Ga. |
| - | Logan, Utah | | KYSM 1500 100 | | WATR 1190 100 |
| | KVOA 1260 1000 | | Mankato, Minn. | | Waterbury, Conn. |
| | Tucson, Ariz. | | KYW 1020 10000 | | |
| 1 | KVOD 920 500 | ŀ | Philadelphia, Pa. | | Louisville, Ky. |
| | Denver, Colo. | | TGQ 1450 200 | | WAWZ 1350 500 |
| 1 ' | KVOE 1500 100 | l . | Quezaltenango. Guat. | | Zarephath, N. J. |
| | Santa Ana, Calif. | | TGW 1520 1000 | | |
| 1 | KVOL 1310 100 | 1 | Guatemala City, Guat. | ı | WAYX 1200 100 Wayeross, Ga. |
| - | Lafayette, La. | | TGX 1400 | | |
| | KVOO 1140 25000 | 1 | Guatemala City, Guar | | WAZL 1420 100 Flazelton, Pa. |
| \vdash | Tulsa, Okla. | | TG1 1320 | | |
| | KVOR 1270 1000 Colo. Springs, Colo. | | Guatemala City, Guat. | | WBAA 890 500 West Lafayette, Ind. |
| | | | TIX 650 1000 | | WBAL 760 2500 |
| | KVOS 1200 100 Bellingham, Wash. | | San Jose, Costa Rice | | Baltimore, Md. |
| - | | | | | |
| | KVOX 1310 100 | | VAS 685 2000 Glace Bay, N.S. | | Baltimore, Md. |
| \vdash | Moorhead, Minn. | | | | |
| | KVRS 1370 100 | | | | |
| | Rock Springs, Wyo. | | St. John's Nild. | | Fort Worth, Texas |
| | KVSO 1210 100 | | VOCM 1006 200 | | WBAX 1210 100 |
| | Ardmore, Okla. | | St. John's Nfld. | | Wilkes Barre, Pa. |
| [l | KVWC 1500 100 | | VOGY 840 400 | | WBBC 1400 500 |
| | Vernon, Texas | | St. John's Nfld. | | Brooklyn, N. Y. |
| | KWBG 1420 100 | l | VONF 1195 500 | | WBBL 1210 100 |
| | Hutchinson, Kans. | | St. John's Nfld. | | Richmond, Va. |
| | KWEW 1500 100 | | VOWR 681 500 | | WBBM 770 50000 |
| | Hobbs, N. Mex. | | St. John's Nfld. | | Chicago, Ill. |
| | KWFT 620 250 | | WAAB 1410 500 | | WBBR 1300 1000 |
| | Wichita Falls, Texas | | Boston, Mass. | | Brooklyn, N. Y. |
| | KWG 1200 100 | | WAAF 920 1000 | | WBBZ 1200 100 |
| | Stockton, Calif. | 1 | Chicago, fll. | | Ponca City, Okla. |
| | KWJB 1210 100 | | , | | |
| | Globe, Ariz. | | | | |
| Cr. London Science Street Street | , | | | | |

| | WBCM 1410 · 500 | | STATE TO THE | | WDRC 1330 1000 |
|----------|------------------------------------|----------|-----------------------------------|---------------|-------------------------------------|
| 1 | | | WCBM 1370 100 | 1 | |
| | Bay City, Mich. WBEN 900 1000 | — | Baltimore, Md. | <u> </u> | Hartford, Conn. |
| | Buffalo, N. Y. | | WCBS 1420 100 | 1 | WDSM 1200 100 |
| | | | Springfield, Ill. | | Superior, Wis. |
| 1 | WBEO 1310 100 | | WCCO 810 50000 | | WDSU 1250 1000 |
| | Marquette, Mich. | \vdash | Minneapolis, Minn. | | New Orleans, La. |
| 1 | WBHP 1200 100 | 1 | WCFL 970 5000 | 1 1 | WDWS 1370 100 |
| | Huntsville, Ala. | | Chicago, Ill. | | Champaign, Ill. |
| | WBIG 14401000 | | WCHS 580 500 | 1 | WDZ 1020 250 |
| | Greensboro, N. C. | | Charleston, W. Va. | | Tuscola, Ill. |
| | WBIL 1100 5000 | | WCHV 1420 100 | l . | WEAF 660 50000 |
| | WBIL 1100 5000 New York, N. Y. | | Charlottesville, Va. | | New York, N. Y. |
| | WBLK 1370 100 | | WCKY 1490 10000 | | WEAN 780 1000 |
| | Clarksburg, W. Va. | | Covington, Ky. | | Providence, R. I. |
| | WBLY 1210 100 | | WCLE 610 500 | | WEAU 1050 1000 |
| 1 | Lima, Ohio | | Cleveland, Ohio | | Eau Claire, Wis. |
| | WBNO 1200 100 | | WCLO 1200 100 | | WEBC 1290 1000 |
| 1 | New Orleans, La. | | Janesville, Wis. | 1 | Duluth, Minn. |
| | WBNS 1430 1000 | | WCLS 1310 100 | | WEBQ 1210 100 |
| 1 | Columbus, Ohio | | WCLS 1310 100 Toliet, Ill. | | Harrisburg, Ill. |
| | WBNX 1350 1000 | | WCMI 1310 100 | | WEBR 1310 100 |
| | New York, N. Y. | | Ashland, Ky. | , | Buffalo, N. Y. |
| | WBNY 1370 100 | | Ashland, Ky. WCNW 1500 100 | | WEDC 1210 100 |
| | | 1 | Brooklyn, N. Y. | ' | Chicago III |
| | Buffalo, N. Y. | | WCOA 1340 500 | | Chicago, Ill. |
| 1 | AA DOG OOD COLOR | 1 | Pensacola, Fla. | 1 | WEED 1420 100 |
| - | | | WCOC 880 1000 | | Rocky Mount, N. C. WEEI 590 1000 |
| 1 | | i | Meridien, Miss. | 1 | |
| | Terre Haute, Ind. WBRB 1210 100 | | WCOL 1210 100 | | Boston, Mass. |
| | | | | , | WEEU 830 1000 |
| | Red Bank, N. J. | | Columbus, Ohio WCOP 1120 500 | L | Reading, Pa. |
| Ι. | WBRC 930 1000 | | WCOP 1120 500 Boston, Mass. | 1 . | WELI 900 500 |
| <u> </u> | Birmingham, Ala. | | WCOU 1210 100 | | New Haven, Conn. |
| 1 | WBRE 1310 100 | | | 1 1 | WELL 1420 100 |
| | Wilkes-Barre, Pa. | | Lewiston, Maine WCOV 1210 100 | | Battle Creek, Mich. |
| | WBRK 1310 100 | 1 | | | WEMP 1310 100 |
| | Pittsfield, Mass. | | Montgomery, Ala. WCPO 1200 100 | | Milwaukee, Wis. |
| 1 | WBRY 1530 1000 | 1 | WCPO 1200 100 Cincinnati, Ohio | 1 1 | WENR 870 50000 |
| | Waterbury, Conn. | | | | Chicago, Ill. WENY 1200 250 |
| 1 | WBT 1080 50000 | | WCRW 1210 100 | 1 | WENY 1200 250 |
| | Charlotte, N. C. | | Chicago, Tll. WCSC 1360 500 | | Elmira, N. Y. |
| 1 | WBTM 1370 100 | | | | WEOA 1370 100 |
| | Danville, Va. | | Charleston, S. C. | | Evansville, Ind. |
| 1 | WBZ 990 50000 | | WCSH 940 1000 | | WESG 850 1000 |
| | Boston, Mass. | | Portland, Me. | | Elmira, N. Y. |
| | WBZA 990 1000 | | WDAE 1220 1000 | 1 | WEST 1200 100 |
| _ | Springfield, Mass. | | Tampa, Fla. | | Easton, Pa. |
| | WCAD 1220 500 | | WDAF 610 1000 | | WEVD 1300 1000 |
| | Canton, N. Y. | | Kansas City, Mo. | | New York, N. Y. |
| | WCAE 1220 1000 | | WDAH 1310 100 | | WEW 760 1000 |
| | Pittsburgh, Pa. | | El Paso, Texas WDAN 1500 250 | | St. Louis, Mo. |
| | WCAL 760 1000 | | | $\overline{}$ | WEXL 1310 50 |
| 1 | Northfield. Minn. | | Danville, Ill. | | Royal Ooak, Mich. |
| | WCAM 1280 500 | | WDAS 1370 100 | | WFAA 800 50000 |
| 1 | Camden, N. J. | | Philadelphia, Pa. | 1 | Dallas, Texas |
| | WCAO 600 1000 | | WDAY 940 1000 | $\overline{}$ | WFAB 1300 1000 |
| | Baltimore, Md. | | Fargo, N. Dak. | | New York, N. Y. |
| | WCAP 1280 500 | | WDBJ 930 1000 | | WFAM 1200 100 |
| | Asbury Park, N. J. | | Roanoke, Va. | | South Bend, Ind. |
| | WCAT 1200 100 | | WDBO 580 1000 | | WFAS 1210 100 |
| | Rapid City. S. Dak. | | Orlando, Fla. | | White Plains, N. Y. |
| | | | WDEL 1120 250 | | WFBC 1300 1000 |
| | WCAU 1170 50000 | | Wilmington, Del. | | Greenville, S. C. |
| | Philadelphia, Pa. | | WDEV 550 500 | | WFBG 1310 100 |
| | WCAX 1200 100 | | Waterbury, Vt. | | Altoona, Pa. |
| | Burlington, Vt. | | | - | WFBL 1360 1000 |
| 1 | WCAZ 1070 100 | | WDGY 1180 1000 | 1 | |
| | Carthage, Ill. | | Minneapolis, Minn. | | Syracuse, N. Y. |
| | WCBA 1440 500 | | WDNC 1500 100 | | WFBM 1230 1000 |
| | WODEL 1110 000 | | Durham, N. C. | 1 | Indianapolis, Ind. |
| | Allentown, Pa. | | | | |
| | | | WDOD 1280 1000 | | WFBR 1270 50% |
| | Allentown, Pa. WCBD 1080 5000 | | | | |
| | Allentown, Pa. | | WDOD 1280 1000 | | WFBR 1270 50% |
| | Allentown, Pa. WCBD 1080 5000 | | WDOD 1280 1000 | | WFBR 1270 50% |

| NORTH AME | RICAN B. C. STATIONS | BY CALLS |
|--------------------------------------|------------------------------------|--------------------------------------|
| WFDF 1310 100 | WHAM 1150 50000 | WIBM 1370 100 |
| Flint, Mich. WFEA 1340 500 | Rochester, N. Y WHAS 820 50000 | Jackson, Mich. WIBU 1210 100 |
| Manchester, N. H. | Louisville, Ky. | Poynette, Wis. |
| WFIL 560 1000 Philadelphia, Pa. | WHAT 1310 100 Philadelphia, Pa. | WIBW 580 1000 Topeka, Kans. |
| WFLA 620 1000 | WHAZ 1300 1000 Troy, N. Y. | WIBX 1200 100 |
| Tampa, Fla. WFMD 900 500 | Troy, N. Y. WHB 860 1000 | Utica, N. Y. WICA 940 250 |
| Frederick, Md. | Kansas City, Mo. | Ashtabula, Ohio |
| WFMJ 1420 100 Youngstown, Ohio | WHBB 1500 100 | WICC 600 500 Bridgeport, Conn. |
| WFNC 1340 250 | Selma, Ala. WHBC 1200 100 | WIL 1200 100 |
| Fayetteville, N. C. WFOR 1370 100 | Canton, Ohio WHBF 1210 100 | St. Louis, Mo. WILL 580 1000 |
| Hattiesburg, Miss. | Rock Island, Ill. | Urbana, Ill. |
| WFOY 1210 100 St. Augustine, Fla. | WHBI 1250 1000 | WILM 1420 100 Wilmington, Del. |
| WFTC 1200 100 | Newark, N. J. WHBL 1300 250 | WIND 560 1000 |
| Kinston, N. C. WGAL 1500 100 | Sheboygan, Wis. WHBQ 1370 100 | Gary, Ind. WINS 1180 1000 |
| Lancaster, Pa. | Memphis, Tenn. | New York, N. Y. |
| WGAN 640 500 Portland, Me. | WHBU 1210 100 Anderson, Ind. | WIOD 610 1000 Miami, Fla. |
| WGAR 1450 500 | WHBY 1200 100 | WIP 610 1000 |
| Cleveland, Ohio WGAU 1310 100 | Green Bay, Wis. WHDF 1370 100 | Philadelphia, Pa. WIRE 1400 1000 |
| Athens, Ga. | Calumet, Mich. | Indianapolis, Ind. |
| WGBB 1210 100 Freeport, N. Y. | WHDH 830 1000 | WIS 560 1000 Columbia, S. C. |
| WGBF 630 500 | Boston, Mass. WHDL 1400 250 | WISN 1120 250 |
| Evansville, Ind. WGBI 880 500 | Olean, N. Y. WHEB 740 250 | Milwaukee, Wis. WIAC 1310 100 |
| Scranton, Pa. | Portsmouth, N. H. | tohnstown, Pa. |
| WGCM 1210 100 Gulfport, Miss. | WHEC 1430 500 Rochester, N. Y. | #JAG 1060 1000 Norfolk, Neb. |
| WGES 1360 500 | WHEF 1500 100 | WJAR 890 1000 |
| Chicago, Ill. WGH 1310 100 | Kosciusko, Miss. WHFC 1420 100 | Providence, R. I. WJAS 1290 1000 |
| Newport News, Va. | Cicero, Ill. | Pittsburgh, Pa. |
| WGIL 1500 250 Galesburg, Ill. | WHIO 1260 1000 | WJAX 900 1000 Jacksonville, Fla. |
| WGL 1370 100 Fort Wayne, Ind. | Dayton, Ohio WHIP 1480 5000 | WJBC 1200 100 |
| WGKV 1500 100 | Hammond, Ind. WHIS 1410 500 | Bloomington, Ill. WJBK 1500 100 |
| Charleston, W. Va. WGN 720 50000 | Bluefield, W. Va. | Detroit, Mich. |
| Chicago, Ill. | WHJB 620 250 Greensburg, Pa. | Decatur, Ill. |
| WGNC 1420 100 Castonia, N. C. | WHK 1390 1000 | WJBO 1120 500 |
| WGNY 1210 100 | Cleveland, Ohio WHKC 640 500 | Baton Rouge, La. WIBW 1200 100 |
| Newburgh, N. Y. WGPC 1420 100 | Columbus, Ohio | New Orleans, La. |
| Albany, Ga. | WHLB 1370 100 Virginia, Minn. | WJBY 1210 100 Gadsden, Ala. |
| WGR 550 1000 Buffalo, N. Y. | WHLS 1370 250 | WJDX 1270 1000 |
| WGRC 1370 250 | Port Huron, Mich. WHMA 1420 100 | Jackson, Miss. WJEJ 1210 100 |
| New Albany, Ind. WGRM 1210 100 | Anniston, Ala. | Hagerstown, Md. |
| Grenada, Miss. | WHN 1010 1000 New York, N. Y. | WJHL 1200 100 Johnson City, Tenn. |
| WGST 890 1000 | WHO 1000 50000 | WJIM 1210 100 |
| Atlanta, Ga. WGTM 1310 100 | Des Moines, Iowa WHOM 1450 250 | Lansing, Mich. WJJD 1130 20000 |
| Wilson, N. C. | Jersey City, N. J. | Chicago, Ill. |
| WGY 790 50000 Schenectady, N. Y. | WHP 1430 500 Harrisburg, Pa. | WJMC 1210 250 Rice Lake, Wis. |
| WHA 940 5000 | WIBA 1280 1000 | WJMS 1420 100 |
| Madison, Wis. WHAI 1210 250 | Madison, Wis. WIBC 1050 1000 | Ironwood, Mich. WJNO 1200 100 |
| Greenfield, Mass. | Indianapolis, Ind. | W. Palm Beach, Fla. |
| WHAL 950 500 Saginaw, Mich. | WIBG 970 100 Glenside, Pa. | |
| Caginaw, inicii. | Gionaide, 1 a. | |

| | | | TT/T NTT 1010 100 | | WNAD 1010 1000 |
|---------------|------------------------------------|----------|---------------------------------|----------|----------------------------------|
| | WJR 750 50000 | | WLNH 1310 100 | | |
| 1. | Detroit, Mich. | · . | Laconia, N. H. | | Norman, Okla. |
| | WIRD 1200 250 | | WLS 870 500C0 | | WNAX 570 1000 Yankton, S. D. |
| 1 1 | Tuscaloosa, Ala. | | Chicago, Ill. | | Yankton, S. D. |
| <u> </u> | WJSV 1460 10000 | | WLTH 1400 500 | | WNBC 1380 250 |
| 1 | Washington, D. C. | | | | New Britain, Conn. |
| | | | Brooklyn, N. Y. | | |
| | WJTN 1210 100 | | WLVA 1200 100 | | WNBF 1500 100 |
| 1 | Jamestown, N. Y. | | Lynchburg, Va. | | Binghamton, N. Y. |
| | WJW 1210 100 | | WLW 700 500000 | | WNBH 1310 100 |
| 1 | | 1 1 | Cincinnati, Ohio | | New Bedford, Mass. |
| $\overline{}$ | Akron, Ohio | - | | | WNBX 1260 500 |
| 1 | WJZ 760 50000 | | WMAL 630 250 | i I | |
| | New York, N. Y. | | Washington, D. C. | | Springfield, Vt. |
| | WKAQ 1240 1000 | | WMAQ 670 50000 | | WNBZ 1290 100 |
| | San Juan, P. R. | | Chicago, Ill | | Saranac Lake, N. Y. |
| | WKAR 850 1000 | | WMAS 1420 100 | | WNEL 1290 1000 |
| 1 | East Lansing, Mich. | 1 1 | Springfield, Mass. | ! | Son Tuon D D |
| $\overline{}$ | East Lansing, Mich. | - | Springheid, Mass. | | San Juan, P. R. WNEW 1250 1000 |
| | WKAT 1500 100 Miami Beach, Fla. | | WMAZ 1180 1000 | | W N E W 1250 1000 |
| | Miami Beach, Fla. | | Macon, Ga. WMBC 1420 100 | | New York, N. Y. WNLC 1500 100 |
| | WKBB 1500 100 | | WMBC 1420 100 | | WNLC 1500 100 |
| | East Dubuque, Ill. | | Detroit, Mich. | | New London, Conn. |
| | WKBH 1380 1000 | - | WMBD 1440 1000 | | WNOX 1010 1000 |
| | | | | | |
| | LaCrosse, Wis. | \vdash | Peoria, Ill. | | Knoxville, Tenn. |
| | WKBN 570 500 | | WMBF 610 1000 | | WNYC 810 1000 |
| | Youngstown, Ohio | | Miami, Fla. | oxdot | New York, N. Y. |
| 144 | WKBO 1200 100 | | WMBG 1350 500 | | WOAT 1190 50000 |
| | Harrisburg, Pa. | | Richmond, Va. | | San Antonio, Texas |
| - | WKBV 1500 100 | | WMBH 1420 100 | | WOC 1370 100 |
| | Dishmond T-4 | | | | |
| | Richmond, Ind. | | Joplin, Mo. WMBI 1080 5000 | \vdash | Davenport, Iowa |
| | WKBW 1480 5000 | | WMBI 1080 5000 | | WOCB 1210 100 |
| | Buffalo, N. Y. WKBZ 1500 100 | | Chicago, Ill. | | Cape Cod, Mass. |
| | WKBZ 1500 100 | | WMBO 1310 100 | | WOI 640 5000 |
| | Muskegon Mich | | Auburn, N. Y. | | Ames, Iowa |
| | Muskegon, Mich WKEU 1500 100 | | WMBR 1370 100 | | WOKO 1430 500 |
| | Caidia Ca | | | | |
| | Griffin, Ga. WKOK 1210 100 | | Jacksonville, Fla. | | Albany, N. Y. |
| | | | WMBS 1420 250 | | WOL 1310 1000 |
| | Sunbury, Pa. | 1 1 | Uniontown, Pa. | | Washington, D. C. |
| | WKRC 550 1000 | | WMC 780 .000 | | WOLS 1200 100 |
| | Cincinnati, Ohio | | | | Florence, S. C. |
| | WKST 1250 250 | | Memphis, Tenn. | | WOMI 1500 100 |
| | | | WMCA 570 1000 | | |
| | New Castle, Pa. | | New York, N. Y. | | Owensboro, Ky. |
| | WKY 900 1000 | | WMEX 1500 100 | l i | WOMT 1210 100 |
| | Oklahoma City, Okla. | | Boston, Mass. | | Manitowoc, Wis. |
| | WKZO 590 1000 | | WMFD 1370 100 | | WOOD 1270 500 |
| | Kalamazoo, Mich. | | | | Grand Rapids, Mich. |
| | | | Wilmington, N. C. | | |
| | | | WMFF 1310 100 | | |
| | Nashville, Tenn. | | Plattsburg, N. Y. | , | Bristol, Tenn. |
| | WLAK 1310 100 | | WMFG 1210 100 | | WOR 710 50000 |
| | Lakeland, Fla. | | Hibbing, Minn. | | Newark, N. J. |
| | WLAP 1420 100 | | WMFJ 1420 100 | | WORC 1280 500 |
| | Lexington, Ky. | | Douten People E1- | | Worcester, Mass. |
| | | | Dayton Beach, Fla. | ļ | |
| | | | WMFO 1370 100 | | |
| | Lawrence, Mass. | | Decatur, Ala. | | York, Pa. |
| | WLB 760 1000 | | WMFR 1200 100 | | WORL 920 500 |
| | Minneapolis. Minn | | High Point, N. C. | | Boston, Mass. |
| | WLBC 1310 100 | | WMIN 1370 100 | | WOSU 570 750 |
| | Muncie, Ind. | | | | Columbus, Ohio |
| | | | St. Paul, Minn. | | |
| | WLBL 900 5000 | | WMMN 890 500 | | WOV 1130 1000 |
| | Stevens Point, Wis. | | Fairmont, W. Va. | | New York, N. Y. |
| | WLBZ 620 500 | | WMPC 1200 100 | | WOW 590 1000 |
| | | | Lapeer Mich | | Omaha, Neb. |
| | Bangor, Me. WLEU 1420 100 | | Lapeer, Mich. WMPS 1430 500 | | WOWO 1160 10000 |
| | F .: Do 1420 100 | | W W F 5 1450 500 | ' | Fort Wayne, Ind. |
| | Erie, Pa. | | Memphis, Tenn. | | |
| | WLLH 1370 100 | | WMRO 1250 250 | | WPAD 1420 100 |
| 1 | Lawrence, Mass. | | Aurora, Ill. | | Paducah, Ky. |
| | WLLH 1370 100 | | WMSD 1420 100 | | WPAR 1420 100 |
| | | | Muscle Shoals C., Ala. | | Parkersburg, W. Va. |
| | Lowell, Mass. | | | | TETROISDUIG, VV. Va. |
| | | | WMT 600 1000 | | WPAX 1210 100 |
| | | | Cedar Rapids, Iowa | | Thomasville. Ga. |
| | | | | | |
| | | | WNAC 1230 1000 | |) |
| | | | | | |
| | | | WNAC 1230 1000 Boston, Mass. | | |
| | | | | | |
| | | | | | |

| | WPAY 1370 100 | | WSAN 1440 500 | | WTAR 780 1000 |
|----------|---------------------------------|----------|----------------------------------|---------------|----------------------------------|
| | Portsmouth, Ohio | | Allentown, Pa. | | Norfolk, Va. |
| | WPEN 920 1000 | | WSAR 1450 1000 | | WTAW 1120 500 |
| | Philadelphia, Pa. | | Fall River, Mass. | | College Station, Tex. |
| | WPG 1100 5000 | | WSAU 1370 100 | | WTAX 1210 100 |
| | Atlantic City, N. J. | | Wausau, Wis. | | Springfield, Ill. |
| | WPIC 780 250 | | WSAV 1310 100 | | WTBO 800 250 |
| | Sharon, Pa. | | avannah, Ga. | | Cumberland, Md. |
| | WPRA 1370 100 | | WSAY 1210 100 | | WTCN 1250 1000 |
| | Mayaguez, P. R. | | Rochester, N. Y. | | Minneapolis, Minn. |
| | WPRO 630 500 | | | | WTEL 1310 100 |
| | Providence, R. I. | | | | Philadelphia, Pa. |
| | WPRP 1420 100 | | Huntington, W. Va. | | |
| 1 | Dames D D | | WSB 740 50000 | 1 | |
| | Ponce, P. R. WPTF 680 5000 | | Atlanta, Ga. | | Hartford, Conn. |
| 1 | | | WSBC 1210 100 | | WTIC 1040 50000 |
| | Raleigh, N. C. | | Chicago, Ill. | | Hartford, Conn. |
| | WQAM 560 1000 | | WSBT 1360 500 | | WTJS 1310 100 |
| | Miami, Fla. | | South Bend, Ind. | $\overline{}$ | Jackson, Tenn. |
| 1 | WQAN 880 500 | 1 | WSFA 1410 500 | | WTMJ 620 1000 |
| | Scranton, Pa. | | Montgomery, Ala. | | Milwaukee, Wis. |
| | WQBC 1360 1000 | | WSGN 1310 100 | | WTMV 1500 100 |
| | Vicksburg, Miss. | | Birmingham, Ala. | $\overline{}$ | East St. Louis, Ill. |
| | WQDM 1390 1000 | | WSIX 1210 100 | | WTNJ 1280 500 |
| 1 | St. Albans, Vt. | | Nashville, Tenn. | | Trenton, N. J. |
| | WQXR 1550 1000 | | WSJS 1310 100 | | WTOC 1260 1000 |
| 1 | New York, N. Y. | | Winston-Salem, N. C. | | Savannah, Ga. |
| | WRAK 1370 100 | | WSLI 1420 100 | | WTOL 1200 100 |
| 1 | Williamsport. Pa. | 1 | Jackson, Miss. | | Toledo, Ohio |
| | WRAL 1210 100 | | WSM 650 50000 | | WTRC 1310 100 |
| 1 | Raleigh, N. C. | 1 | Nashville, Tenn. | | Elkhart, Ind. |
| | WRAW 1310 100 | | WSMB 1320 1000 | | WVFW 1400 500 |
| | Reading, Pa. | 1 | New Orleans, La. | | Brooklyn, N. Y. |
| - | WRAX 920 1000 | | WSMK 1380 200 | | WWAE 1200 100 |
| | Philadelphia, Pa. | 1 | Danton Ohio | | Hammond, Ind. |
| | | | Dayton, Ohio WSNJ 1210 100 | | WWJ 920 5000 |
| 1 | | ı | | i I | Detroit, Mich. |
| <u> </u> | Columbus, Ga. | <u> </u> | Bridgeton, N. J. | - | WWL 850 10000 |
| 1 | WRC 950 1000 | | WSOC 1210 100 | | |
| | Washington, D. C. | | Charlotte, N. C. | | New Orleans, La. |
| 1 | WRDO 1370 100 | | WSPA 920 1000 | | WWNC 570 1000 |
| | Augusta, Me. | | Spartanburg, S. C. | | Asheville, N. C. |
| 1 | WRDW 1500 100 | | WSPD 1340 1000 | 1 | WWRL 1500 100 |
| | Augusta, Ga. | | Toledo. Ohio | | Woodside, N. Y. |
| | WREC 600 1000 | | WSPR 1140 500 | | WWSW 1500 100 |
| | Memphis, Tenn. | | Springfield, Mass. | | Pittsburgh, Pa. |
| | WREN 1220 1000 | | WSTP 1500 100 | | WWVA 1160 5000 |
| | Lawrence, Kans. | | Salisbury, N. C. | | Wheeling, W. Va. |
| | WRGA_1500 100 | | WSUI 880 500 | | WXYZ 1240 1000 |
| | Rome, Ga. | | Iowa City, Iowa | | WXYZ 1240 1000 Detroit, Mich. |
| | WRJN 1370 100 | | WSUN 620 1000 | | W3XDD 50000 |
| | Racine, Wis. | | St. Petersburg, Fla. | | Whippany, N. J. |
| | WRNL 880 500 | | WSVA 550 500 | | W3XJ 1060 100 |
| | Richmond, Va. | | Harrisonburg, Va. | | College Park, Md. |
| | WROK 1410 500 | | WSVS 1370 50 | | XEAA 750 200 |
| | Rockford, Ill. | | Buffalo, N. Y. | | Mexicali, B. C. |
| | WROL 1310 100 | | WSYB 1500 100 | | XEAC 980 1000 |
| | Knoxville, Tenn. | | Rutland, Vt. | | Tiiuana, L. C. |
| | WRR 1280 500 | | | | XEAF 990 750 |
| | Dallas, Texas | | | | Nogales, Son. |
| | WRTD 1500 100 | | Syracuse, N. Y. WSYU 570 1000 | \vdash | |
| | Richmond, Va. | | | | |
| — | WRUF 830 5000 | | Svracuse, N. Y. | \vdash | Cordoba, Ver. |
| | Gainesville, Fla. | | WTAD 900 1000 | | XEAI 1250 500 |
| | | | Quincy, Ill. | \vdash | Mexico City, D. F. |
| | WRVA 1110 5000 | | WTAG 580 1000 | | XEAL 660 1000 |
| | Richmond, Va. | | Worcester, Mass. | $\overline{}$ | Mexico City, D. F. |
| | WSAI 1330 1000 | | WTAL 1310 100 | | XEAM 750 25 |
| | Cincinnati, Ohio | | Tallahassee, Fla. | | Matamoros, Tams. |
| | WSAJ 1310 100 | | WTAM 1070 50000 | | XEAO 660 250 |
| | Grove City, Pa. | | Cleveland, Ohio | | Mexicali, B. C. |
| | WSAL 1200 250 | | WTAQ 1330 1000 | | mexican, D. C. |
| | Salisbury, Md. | | Green Bay, Wis. | | |
| | | | Circui Day, Wis. | | |
| | | | | | |
| | 1 | | | | |

| | NORTH AME | RICA | N B. C. STATIONS | в ву с | CALLS |
|----------|--|------|-------------------------------------|--------|---|
| | XEAP 1340 50 | | XEF 1450 100 | | XEN 780 1000 |
| \vdash | Obregon, Son. XEAS 1160 100 | | Juarez, Chih. XEFA 1180 500 | | Mexico City, D. F. XENC 860 50 |
| | Saltillo, Coah. | | Tacuba, D. F. | | Mexico City, D. F. |
| | XEAT 1210 250 | | XEFB 870 200 | | XENT 910 150000 |
| | Parral, Chih. | | Monterrrey, N. L. | | Nuevo Laredo, Tams. |
| | XEAU 1320 | | XEFC 550 100 Merida, Yuc. | | XEOJ |
| | Tijuana, B. Cfa. | | XEFE 980 250 | | XEOK 760 2500 |
| | XEAW 960 100000 Reynosa, Tams. | | Nuevo Laredo, Tanis. | | Tijuana, L. C. |
| | XEAZ 1230 200 | | XEFI 1440 250 | | XEP 1160 500 |
| \vdash | Zacatecas, Zac. XEB 1030 10000 | | Chihuahua, Chih. | | Juarez, Chih. XEPN 730 100000 |
| | Mexico City, D. F. | | Leon. Gto. | | Piedras Negras, Coah. |
| | XEBA 1080 20 | | XEFO 940 5000 | | XEQ 710 50000 |
| | Guzman, Jal. XEBG 820 1000 | | Mexico City, D. F. XEFO 1010 50 | | Tijuana, L. C. XERA 840 250000 |
| | Tijuana, B. Cfa. | | Cananea, Son. | | Villa Acuna, Coah. |
| | XEBH 930 500 | | VEEV 1210 100 | | XERB 730 100000 |
| | Hermosillo, Sonora | | Juarez, Chih. XEFW 1310 300 | | Rosarito Beach, B. Cfa. |
| | XEBI 1000 25 Aguascalientes, Ags. | | XEFW 1310 300 Tampico, Tams. | | XES 990 250 Tampico, Tams. |
| | XEBK 1080 100 | | XEG 1230 250 | | XET 690 5000 |
| | Neuvo Laredo, Tams, | | Monterrey, N. L. | | Monterrey, N. L. |
| | XEBL 1220 50 Mazatlan, Sin. | | XEH 720 250 Monterrey, N. L. | | XETB 1310 125 |
| | XEBO 1310 25 | | XEI 1370 125 | | Torreon, Coah. XETH 1210 100 Puebla, Pue. |
| | Irapuato, Guan. | | Morelia, Mich. | | Puebla, Pue. |
| | XEBP 1150 250 | | XEJ 1020 1000 | | XEU 1010 250 |
| | Durango, Dgo. XEBS 1340 200 | | Juarez, Chih. XEJP 1130 100 | | Veracruz, Ver. XEW 890 50000 |
| | Mexico City, D. F. | | Mexico City, D. F. | | Mexico City, D. F. |
| | XEBU 1200 50 Chihuahua, Chih. | | XEJW 870 500 | | XEX 1310 125 |
| | XEBX 640 250 | | Mexico City, D. F. XEK 890 100 | | Monterrey, N. L. XEXB 1270 250 |
| | Sabinas, Coah. | | Mexico City, D. F. | | Jalapa, Ver. |
| | XEBZ 810 100 | | XEKL 1240 500 | | XEXD 1340 350 |
| | Mexico City, D. F. XEC 1150 100 | | Leon, Guan. XEL 1100 250 | | Jalapa, Ver. XEXE 1270 17 |
| | Tijuana, L. C. | | Mexico City, D. F. | | Texcoco, D. F. |
| | XECZ 1370 100 San Luis Potosi, S.L.P. | | XELA 1240 50 | | XEXH 1250 250 |
| <u> </u> | XED 1160 2500 | | Saltillo, Coah. XELO 580 10000 | | San Luis Potosi, S.L.P. XEXM 610 500 |
| | Guadalajara, Jal. | | Tijuana, B. Cfa. | | Mexico City, D. F. |
| | XEDA 1220 200 | | XELZ 1370 100 Mexico City, D. F. | | XEXS 1310 100 |
| | Gral. Anaya, D. F. XEDF 810 100 | | Mexico City, D. F. XEME 1240 50 | | Mexico City, D. F. XEXX 1170 1000 |
| | Nuevo Laredo, Tams. | | Merida, Yuc. | | Mexico City, D. F. |
| | XEDH 1340 200 | | XEMO 860 5000 | | XEYO 610 500 |
| | Villa Acuna, Coah. | | Tijuana, L. C. XEMU 580 250 | | Mexico City, D. F. XEZ 630 500 |
| | XEDP 1080 500 Mexico City, D. F. | | Piedras Negras, Coah. | | Merida, Yuc. |
| | XEDW 1150 20 | | XEMX 1280 100 | | YSS 640 500 |
| | Minatitlan, Ver. | | Mexico City, D. F. | | San Salvador, E. S. ZNS 540 400 |
| | XEE 1210 50 Durango, Dgo. | | | | ZNS 540 400 Nassau, Bahamas |
| \vdash | Burango, Bgo. | | | | rassau, zanamas |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Broadcasting Stations of NORTH AMERICA

This supplementary call letter index began in the September, 1938 issue of RADEX, and will appear

The abbreviations used throughout this list are familiar to all our readers, except perhaps "CP" for Construction Permit, "LS" for Local Sunset, and "ss" for sunset.

KFPW, Fort Smith, Ark., 1210 kcs., 100 w. unltd. Aerial: 2 towers, 120 ft. Manager: Dorothy A. Gibson. Ouners Southwestern Hotel Co., Goldman Hotel.

KFPY, Spokane, Wash., 890 kcs., 1000 w. nights, 5 kw. to LS, unltd. Network: CBS and Pacific. Aerials vertical, 468 ft. Manager: T. W. Symons, Jr. Licensee: Symons Broadcasting Co., Symons Bldg.

Symons Bidg.

KFQD, Anchorage, Alaska, 780 kcs., 250 watts, specified hours. Aerial: 2 towers, 120 ft. Manager: R. E. McDonald. Licensees Anchorage Radio Club, Inc., 411 Fouth Ave.

KFRC, San Francisco, Calif. 610 kcs., 100 w. nights, 5 kw. to LS, unitd. Network: Mutual. Aerial: 2 towers, 125 ft. Licensee: Don Lee Broadcasting System, 100 Van Ness Ave.

KFRO, Longview, Texas, 1370 kcs., 250 w. days. Network: Mutual. Transmitter: S. Green at Radio St. Aerial: vertical 185 ft. Manager: Harold S. Johnson. Licensee: Voice of Longview, Glover-Crim Blvd. (P. O. Box 616).

KFRU, Columbia, Mo., 630 kcs., 500 w. nights, 1 kw. days to LS. Simultaneous days, shares nights with WGBF. Network: Cornbelt. Aerial. 2 towers, 165 ft. Manager: C. L. Thomas.

- with WGBP. Network: Cornbelt. Aerial. 2 towers, 165 tt. Manager: C. L. Thomas. Licensee: KFRU, Inc., 9th and Elm Sts.

 KFSD, San Diego, Calif., 600 kcs., 1000 w. unltd. Network: NBC Blue. Aerial: 2 towers, 231 ft. Manager: T. E. Sharp. Litensee: Airfan Radio Corp., Ltd., U. S. Grand Hotel...........

 KFSG, Los Angeles, Calif., 1120 kcs., 500 w. nights, 2500 w. days to LS, shares with KRKD. Aerial: 1 tower, 250 ft. Manager: Dr. Giles Knight. Licensee: Eeho Park Evangelistic Association, 1100 Glendale Blvd.
- KFUO, St. Louis, Mo., 550 kcs., 500 w. nights, 1 kw. to LS, shores with KSD. Transmitter: Clayton Aerial: 2 towers, 200 ft. Manager: Herman H. Hohenstein. Licensee: Evangelical Lutheran Synod, 801 DeMun St.
- KFVD, Los Angeles, Calif., 100 kcs., 100 w., limited time. Transmitter: 8300 Cattaraugus St., Culver City. Aerial: vertical, 250 ft. Manager: Frank Burke. Licensee: Standard Broadcasting Co., 338 So. Western Ave.
- KFVS, Cape Girardeau, Mo., 1210 kcs., 100 w. nights, 250 w. to LS, unltd. Aerial: vertical, 254 ft. Manager: Oscar Hirsh. Licensee: Radio Station KFVS, Hotel Marquette (P. O. Box ft. 275).
- KFWB, Los Angeles (Hollywood) Calif., 950 kcs., 1000 w. nights, 5 kw. to LS, Unltd. Network: California Transmitter: 3531 Moynier Lane. Aerial: vertical, 465 ft. Manager: Harry Maizlish. Licensee: Warner Brothers Broadcasting Corp., 583 Fernwood Ave.
 KFXD, Nampa, Idaho, 1200 kcs., 100 w. nights, 250 w. to LS, unltd. Aerial: vertical, 230 ft. Manager: Edward Hurt. Licensee: Frank E. Hurt, 1024 12th Ave., S. (P. O. Box 891).
 KFXJ, Grand Junction, Colo., 1200 kcs., 100 w. nights, 250 w. to LS, unltd. Transmitter: Hillcrest Manor. Aerial: 2 towers, 85 ft. Manager: Rex Howell. Licensee: Western Slope Broadcasting Co., Hillcrest Manor.
- ing Co., Hillcrest Manor.
- KFXM, San Bernardino, Calif., 1210 kcs., 100 w., shares with KPPC. Network: Mutual. Transmitter: 512-5th St. Acrial: 2 towers, 107 and 155 ft. Manager: J. C. Lee. Licensee: Lee Brothers Broadcasting Co., California Hotel.
- KFYO, Lubbock, Texas, 1310 kes., 100 w. nights, 250 w. days to LS, unltd. Network: Mutual. Aertal: vertical, 145 ft. Manager: DeWitt Landis. Licensee: Plains Radio Broadcasting Co., 914 Avenue J. (P. O. Box 1448).
 KFYR, Ismarck, N. Dak., 550 kes., 100 w. nights, 5 kw. to LS. Networks: National. Transmitter: near Menoken. Aerial: vertical. 700 ft. Fhoto: Radex No. 99. Manager: F. E. Fitzsimonds. Licensee: Meyer Broadcasting Co., 320 Broadway.
 KGA, Spokane, Wash., 1470 kes., 5000 w. unltd. Network: NBC Blue Mutual and Northwest Triangle. Aerial: verictal, 225 ft. Manager: A. L. Smith, Licensee: Louis Wasmer, 1023 W. Fivercide Ave.
- Riverside Ave.
- KGAR, Tucson, Ariz., 1370 kcs., 100 w. nights, 250 w. days to LS, unltd. Network: Columbia. Aerial: vertical, 80 ft. Manager: Frank Z. Howe. Licensee: Tucson Motor Service Co., S. Sixth Ave. and 12th St.
- KGB, San Diego, Calif., 1330 kcs., 1000 w. unltd. Network: Mutual. Aerial: 2 towers, 190 ft. Manager: S. W. Fuller. Licensee: Don Lee Broadcasting System, 1012 First Ave.
 KGBU, Ketchikan, Alaska, 900 kcs., 500 w. unltd. Aerial: vertical, 280 ft. Permit: Has CP to use
- 1000 watts. Manager: James A. Britton. Lacensee: Alaska Radio and Service Co., nc., KGBU
- Bldg., East and Stedman Sts.

 KGBX, Springfield, Mo., 1230 kcs., 500 w., unltd. Network: ational. Aerial: Directional at night;

 2 towers, 179 ft. Manager: R. D. Foster. Licensee: Springfield Broadcasting Co., 508 St. Louis St.
- KGCA, Decorah, Iowa, 1270 kcs., 100 watts days, shares with KWLC. Transmitter: 201 Water St. Aerial: 2 towers, 55 ft. Licensee: Charles W. Greenley, 211 Winnebago St. KGCI, Coeur d'Alene, Idaho, 1200 kcs., 100 w. days. Aerial: vertical, 215 ft. Manager: Edward Hurt. Licensee: Clarence A. Bergei and Saul S. Freeman, 2nd and Sherman.

- KGCU, Mandan, N. Dak., 1240 kcs., 250 w. unltd. Transmitter: 111-1st Ave., N. W. Aerial: vertical, 70 ft. Licensee: Mandan Radio Association, 404 W. Main St.
- Wolf Point, Mont., 1450 kcs., 1000 w. unltd. Aerial: vertical, 183 ft. Manager: Milton J. Severson. Licensee: E. E.Krebsbach, Main and 4th. KGCX,
- Fergus Falls, Minn., 1200 kcs., 100 w. nights, 250 watts to LS, unltd. Aerial: 2 towers, 90 ft. Manager: C. L. Jaren. Licensee: Charles L. Jaren.
- KGDM, Stockton, Calif., 1100 kcs., 1000 w. days. Network: Mutual. Aerial: vertical, 224 ft. Licensee: E. F. Peffer, 42 S. California St.

 KGEK, Sterling, Colo., 1200 kcs., 100 w., specified hours. Aerial: 2 towers, 82 ft. Licensee: Elmer
- G. Beehler, Fleming Road.
- Long Beach, Calif., 1360 kcs., 100 w. unltd. Aerial: vertical, 186 ft. Manager: C. Merwin Dobyns. Licensee: Consolidated Broadcasting Corp., Ltd., 435 Pine Ave. KGER,
- KGEZ, Kalispell, Mont., 1310 kcs., 100 w. unltd. Aerial: vertical, 250 ft. 2 in. Licensee: Donald C. Treloar, 203 First Ave., E. (P. O. Box 1).

 KGFF, Shawnee, Okla., 1420 kcs., 100 w. nights, 250 w. to LS, unltd. Network: Mutual. Transmitter: Shawnee Country Club. Aerial: vertical, 300 ft. Manager: Ross Porter. Licensee: KGFF Broadcasting Co., Inc., Aldridge Hotel.

 KGFI, Brownsville, Texas, 1500 kcs., 100 w. nights, 250 w. to LS, unltd. Aerial: vertical, 160 ft. Manager: F. R. Wilson. Licensee: Eagle Broadcasting Co., Inc.
- KGFJ.
- Los Angeles, Calif., 1200 kcs., 100 w. unltd. Tranmitter: 1828 Oak St. Aerial: vertical, 200 ft. Program Director: Thelma Kirchner. Licensee: Ben S. McGlashen, 1417 S. Figueroa St. Roswell, N. Mex., 1370 kcs., 100 w., shares with KICA. Tranmitter: 11 W. 16th St. Aerial: vertical, 179 ft. Manager: W. E. Whitmore. Licensee: KGFL, Inc., 502 W. Second KGFL,
- KGFW, Kearney, Nebr., 1310 kcs., 100 w. unltd. Aerial: 2 towers, 65 ft. Permit: has CP for 250 w. days. Manager: Clark Standiford. Licensee: Central Nebraska Broadcasting Corp., 919 w. days. / W. 27th St.
- KGFX, Pierre, S. Dak., 630 kcs., 200 w. days, specified hours. Aerial: 2 towers, 60 ft. Licensee: Dana McNeil Estate (Mrs. Ida A. McNeil, Adm.) 203 W. Summit Ave., (P. O. Box 573).
 KGGF, Coffeeville, Kans., 1010 kcs., 1000 w., shares with WNAD. Network: Mutual. Transmitter: S. Coffeeville, Okla. Aerial: 2 towers, 200 ft. Manager: Hugh J. Powell. Licensee: Powell et al. (Coffeeville) Loyreal Bilds & Platz, Coffeyville Journal Bldg.

- KGGM, Albuquerque, N. Mex., 1230 kcs., 1000 w. unltd. Aerial: vertical, 239 ft. Manager: Mike Hollander. Licensee: New Mexico Broadcasting Co., KiMo Theater Bldg.

 KGHF, Pueblo, Colo., 1320 kcs., 500 w. unltd. Network: NBC Blue. Aerial: 2 towers, 90 ft. Manager: J. H. McGill. Licensee: Curtis P. Ritchie, 113 Broadway.

 KGHI, Little Rock, Ark., 1200 kcs., 100 w. nights, 250 w. to LS, unltd. Aerial: vertical, 171 ft. Manager: R. G. Terriall. L'censee: Arkansas Broadcasting Co., Ark. Gazette Bldg.

 KGHL, Billings, Mont., 780 kcs., 100 w. nights, 5 kw. days to LS, unltd. Network: National. Transmitter: west of Billings. Aerial: vertical, 558½ ft. Manager: Ed Yocum. Licensee: Northwestern Auto. Supply Co. Loc. Sth. Ave. and N. Broadway.
- Northwestern Auto Supply Co., Inc., 5th Ave. and N. Broadway.

 Butte, Mont., 1340 kcs., 1000 w. nights, 5 kw. days to LS, unltd. Network: National, Z-Bar, and Pacific Northwest. Aerial: vertical. 224 ft. Manager: E. B. Craney. Licensee: KGIR, Inc., 121 W. Broadway.

 Alappase. Colo. 1430 kes. 100 m. at heavy at the National Colo. 1430 kes. 1 KGIR,
- inc., 121 W. Broadway.

 KGIW, Alamosa, Colo., 1420 kcs., 100 w., shares with KIDW. Transmitter: Laveta Highway. Aertal: 2 towers, 71 ft. Licensee: Leonard E. Wilson, Box 26.

 KGKB, Tyler, Texas, 1500 kcs., 100 w. nights, 250 w. days, anltd. Network: Mutual. Aertal: vertical, 167 ft. Manager: Roy G. Terry. Licensee: East Texas Broadcasting Co., Tyler Commercial College Bilde.

 KGKL, San Angelo, Texas, 1370 kcs., 100 w. nights, 250 w. to LS, unltd. Network: Mutual. Transmitter: 50 S. Milton St. Aertal: vertical, 171 ft. Manager: Earle Yates. Licensee: KGKI Inc. St. Angelos Hotel
- KGKI, Inc., St. Angelus Hotel.

 KGKO, Forth Worth, Texas, 570 kcs., 100 w. nights, 5 kw. to LS, unltd. Network: National.

 Transmitter: Arlington. Aerial: directional at night. Manager: Harold V. Hough. Licensee: KGKO Broadcasting Co.
- KGKY, Scottsbluff, Nebr., 1500 kcs., 100 w. nights, 250 w. to LS, unltd. Aerial: 2 towers, 93 ft. Manager: L. L. Hillard. Licensee: Hillard Co., Inc., 1517½ Broadway.

 KGLO, Mason City, Iowa., 1210 kcs., 100 w. nights, 250 w. to LS, unltd. Network: Columbia. Aerial: vertical, 290 ft. Manager: F. C. Eighmey. Licensee: Mason City Globe Gazette Co., Heef Unford Hotel Hanford.
- KGLU, Safford, Ariz., 1420 kcs., 100 w. nights, 250 w. to LS, unltd. Licensee: Gila Broadcasting Co., 6th Ave. and Relation St.
- KGMB, Honolulu, Hawaii, 1320 kcs., 1000 w. unltd. Network: Colombia, Mutual. Aerial: vertical, 179 ft. Manager: Webley Edwards. Licensee: Honolulu Broadcasting Co., Ltd., 1129 Kapio-
- lani Blvd. (P. O. Box 581).

 KGNC, Amarillo, Texas, 1410 kcs., 100 w. nights, 2500 w. to LS, unltd. Network: National. Aerial: vertical, 224 ft. Manager: O. L. Taylor. Licensee: Plains Radio Broadcasting Co., Radio Bldg.
- KGNF, North Platte, Nebr., 1430 kcs., 1000 w. days. Aerial: vertical, 190 ft. Manager: W. I. Le-Barron. Licensee: Great Plains Broadcasting Co., 1521 W. 12th St.
 KGNO, Dodge City, Kans., 1340 kcs., 250 w. unltd. Aerial: 2 towers, 105 ft. Manager: N. C. Petersen. Licensee: Dodge City Broadcasting Co., Inc., First National Bank Bldg.

TUBES Need to be Replaced

(Continued from page 21)

"Tubes," answered Wood. "Everybody seems to have tube trouble. One fellow came in and said his set developed a bad hum after it had been turned on for some time. I looked up his circuit and then advised him to take a new 47 for the power output, but he kicked like anything. Said he knew the tubes were good 'cause they all lighted. But I sold him one against his wishes, and he grumbled a lot." And Bill Wood looked to his Boss for his customary nod of approval.

He got it. But he also was puzzled to hear Turner say, as if to himself: "Hope the White's radio goes haywire again, and I don't care bow

soon."



The Radex Club now numbers members in 40 states, in Hawaii, Alaska, Canada, England, Mexico, Honduras and New Zealand. Membership in our club is extended to everyone who has subscribed to our magazine since August 15 of this year. The entire family of RADEX readers, including all subscribers, however, resides in every state and province, and in 22 different nations.

We are now prepared to receive re-

quests for membership in the Verified All Continents group for the broadcast band and the amateur bands. To qualify for the Verified All Continents rating on the standard broadcast band (540 to 1600 kcs) Radex Club members must send at least one verification from a broadcasting station located on each one of the six-continents. To qualify for this rating on the amateur bands, members must send at least two verifications from bona fide amateur stations located on each one of the six continents.

"In recognition of the Good Will demonstrated" towards his station T14NkH, Sr. Amando Cespedes Marin has named several persons as Caballeros de la NRH, and given them honorary membership in the NRH Fraternal Order. The Editor of RADEX is one of those so honored, as attested by a diploma and a medal, suitably inscribed, and bedecked with ribbons in the Costa Rican national colors.

The Editor had the pleasure of being one of a party of Sr. Cespedes' friends, to meet him at the pier when the ship which brought him from Puerto Limon docked at New York City.

David Thomas of Proctorville, Ohio, founder of the International DX'ers Society, wonders how many RADEX readers are eligible for membership in his society. He enumerates the requirements:

1: Applicant must have 1,000 broadcast band stations verified, over a distance of 1000 miles.

II: Applicant must have 1,000 shorewave stations verified, 500 miles or more distant.

1!I: He must have ten long wave stations verified, at least three of them being broadcast, 1000 or more miles distant.

(Continued on page 96)

Among The Clubs

(Continued from page 95)

IV: Must have 1,000 amateur stations verified, over 2000 miles distant.

V: Must have three verifications from each amateur band.

VIa: Verification from 150 countries and islands.

VIb: 100 verifications from each continent.

Any of our readers who can fulfill these requirements are urged to correspond with Mr. Thomas for further details.

QUICK INDEX TO STATION DATA

| • |
|----------------------------------|
| North American Broadcast |
| By FrequenciesNov. '38, p. 56 |
| By Locations |
| By Calls |
| Frequency ChecksNov. '38, p. 40 |
| Names of OwnersNov. '38, p. 56 |
| Owners' AddressesOct. '38, p. 56 |
| Time on the Air May '38, p. 62 |
| Foreign Broadcast |
| By FrequenciesNov. '38, p. 51 |
| By Locations Dec. '36, p. 52 |
| By Calls |
| AsiaFeb. '38, p. 46 |
| South AmericaOct. '38, p. 52 |
| EuropeJune '37, p. 49 |
| |

Back issues of RADEX available from September, 1930 (No. 41) to date, at 25c each; five for \$1.00; ten for \$1.75, or twenty for \$3.25.

INSURE YOUR RADIO ENJOYMENT

| SEND THIS BLANK TODAY |
|--|
| The Radex Publishing Co., |
| 289 Queen Anne Road, |
| Teaneck, N. J. |
| Enclosed find \$ for which send me postpaid my choice of your offers as checked below: |
| ☐ One Radio World Map and Time Converter 25c |
| ☐ One copy of the next RADEX |
| ☐ One year's subscription to RADEX, 10 issues |
| ☐ Two years\$3.25 ☐ Three years\$4.75 |
| (Add 50c per year for foreign subscriptions) |
| Print Name Plainly |
| Street and Number |
| City and State |

TIME CONVERTER

The RADEX Map of the World with Time Converting Dial is the most useful accessory any radio fan could have around. Just a twirl of the dial shows the correct time at any location in the world. No calculation is necessary; the dial does all the work.

You Can't Get Along
Without It.
The price is only

250

RADIO AMATEUR CALL BOOK

LATEST EDITION

Lists over 40,000 amateurs in every country in the world, and complete lists of all the high frequency commercial stations. Every listener interested in amateur stations should have one. 292 pages.
We pay the postage.



RADEX
289 Queen Anne Rd.,
TEANECK, N. I.

1.25

NEXT MONTH in RADEX

In the December issue of RADEX we shall show the time on the air of all the North American Broadcasting Stations. Pacific Coast readers will be pleased to learn that the time will be shown in Pacific Standard as well as Eastern Standard.

RADEX is on the newsstands only 15 days after it goes to press, earlier than any other publication. Don't fail to get your copy at your favorite news dealer.

GET MORE DX WITH HEADPHONES



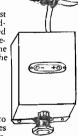
WE recommend the famous Trimm line of headphones for DX success. They are precision-built, and combine ultrasensitivity with rugged construction.

THE PERFECT PHONE ADAPTER

M AKES it easy to attach headphones to any radio set. Easily installed, without tools, in just a minute. The loud-speaker can be silenced while 'phones are being used. Ideal for the hard-ot-hearing. The price is only \$3.95.



In ordering, be sure to give a list of the tubes used in the receiver.



THE RADEX PUBLISHING CO.

289 Queen Anne Rd. TEANECK. N. J.

J. E. SMITH, President National Radio Institute Established 1914



Picked up \$1800 while Learning



"I picked up \$1800 while studying and I call that easy money—the time I gave my Radio work did not interfere with my other business." OTIS DENTON, 14105 Lorain Ave., Cleveland, Ohio

Own Business Pays \$300 a Month

"I now have my own Radio business which shows three hundred doltars a month

profit — thanks again to National Radio."—FRANK T. REESE, 39 N. Felton St., Philadelphia, Penna.



Get My LESSON on Radio Servicing Tips FREE

I want to prove my Training is just what you need to master Radio. My sample lesson text, "Radio Receiver Troubles—Their Cause and Remedy" covers a long list of Radio receiver troubles—Their Cause and Remedy" covers a long list of Radio receiver troubles in A.C., D.C. battery, universal, auto, T.R.F. super-heterodyne, all-wave, and other types of sets, cross-indexed for quick reference. Special section on receiver checkup, alignment, balancing, neutralizing, testing. Get this lesson Free. Mail the Coupon.

I WILL TRAIN YOU TO START A SPARE TIME OR FULL TIME

RADIO SERVICE BUSINESS WITHOUT CAPITAL

The world-wide use of Radio has made many opportunities for you to have a spare time or full time Radio service business of your own. Four out of every five homes in the United States have Radio. sets which regularly need repairs, new tubes, etc. Servicemen can earn good commissions selling new sets to owners of old models. Even if you have no knowledge of Radio or electricity, I will train you at home in your spare time to sell, install, fix, all types of Radio sets to start your own Radio business and build it up on money you make in your spare time while learning. Mail coupon for my 64-page book. It's Free—It shows what I have done for others—what I am ready to do for you.

Many Make \$5, \$10, \$15 a Week Extra in Spare Time While Learning

The day you enroll I start sending Extra Money Job Sheets; show you how to do Radio repair jobs. Throughout your training I send plans and directions that made good spare time money—\$200 to \$500—for hundreds, while learning. I send you special Radio equipment to conduct experiments and build circuits. This 50-50 method of training makes learning at home interesting, fascinating, practical. I ALSO GIVE YOU A MODERN PROFESSIONAL, ALL-WAVE, ALL-PURPOSE RADIO SET SERVICING INSTRUMENT to help you make good money fixing Radios while learning and equip you for full time jobs after graduation.

Get Ready Now for Your Own Radio Business and for Jobs Like These

Radio broadcasting stations employ engineers, operators, station managers and pay up to \$5,000 a year. Fixing Radio sets in spare time pays many \$200 to \$500 a year—full time jobs with Radio jobbers, manufacturers and dealers as much as \$30, \$50, \$75 a week. Many Radio Experts open full or part time Radio sales and repair businesses. Radio manufacturers and jobbers employ testers, inspectors, foremen, engineers, servicemen, and pay up to \$6,000 a year. Automobile, police, aviation, commercial Radio, loud speaker systems are newer fields offering good opportunities now and for the future. Television promises to open many good jobs soon. Men I trained have good jobs in these branches of Radio. Read how they got their jobs. Mail Coupon.

Find Out What Radio Offers You

Act Today. Mail the coupon now for Sample Lesson and 64 page book. They're free to any fellow over 16 years old. They point out Radio's spare time and full time opportunities and those coming in Television; tell about my training in Radio and Television; show you letters from men I trained, telling what they are doing and earning. Find out what Radio offers YOU! MAIL COUPON in an envelope, or paste on a postcard—NOW!



GOOD FOR BOTH 64 PAGE BOOK FREE

| J. E. SMITH, President, Dept. 8MO National Badio Institute, Washington, D. C. | 1 |
|---|---|
| Dear Mr. Smith: Without obligating me, send your sample lesson and the book which tells about spare time and full time Radio opportunities, and | 1 |
| now I can train for them at home in spare time. (Please write plainly.) | ١ |
| Name | |
| Address | |
| City State | |