

# RADIO INDEX

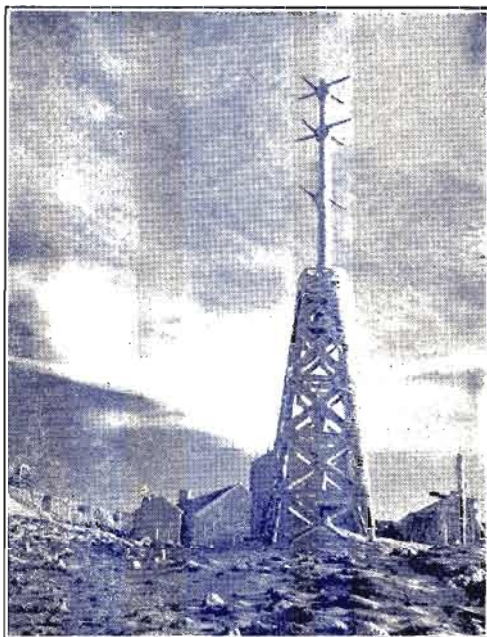
*The All-Wave Log Authority*

NOVEMBER, 1941

No. 146

*Official Organ of Radex Club*

And Associated Radio Clubs—URDXC and WDXA



W39B  
Mt. Washington

During  
Snow Squall

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**30c**

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AT  
A LITTLE PRICE!**

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**RADEX**

148 Copley Ave., Teaneck, N. J.



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The illumination from within this 10 1/2 inch "Lumatex" Globe makes it easy to read day and night. Printed in nine colors, the map is as up to date as today's newspaper. The base is of wood, in walnut finish, and the ball is very durable. "Globe Facts" booklet sent with each Globe.

We pay the shipping charges

**\$6.00**

**RADEX**

148 Copley Ave., Teaneck, N. J.



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# RADIO IN DEX



Reg. U. S. Patent Office

EIGHTEENTH YEAR

NOVEMBER 1, 1941

NO. 146

RAY LA ROCQUE, *Editor*

MELVIN FISHER, *Western Editor*

OWEN P. CALLIN, *Amateur Editor*

B. FRANCIS DASHIELL, *Technical Editor*

All material for use in RADEX as illustrations, readers reports, news items, suggestions and criticisms, in short all editorial material except that intended directly for either the Western or Amateur editors (addresses published elsewhere) should now be addressed to the new RADEX Editorial Office.

All subscriptions, requests for plaques, or for purchases of any articles advertised for sale by RADEX should be addressed to the RADEX Business Office.

RADEX Editorial Office  
105 Highland Street  
Worcester, Mass.

RADEX Business Office  
148 Copley Avenue  
Teaneck, N. J.

## Thanks

To the many readers and friends who expressed their good wishes, to those offering suggestions, ideas, and assistance, and to those who have signified their approval of the new plan by forwarding their subscriptions promptly—our sincerest thanks. The continuous flow of kind notes and letters has been really heart-warming. It is with regret that our limited time does not permit us to sit down and write a personal note of thanks to everyone who wrote. Please accept this public acknowledgement of our feelings. With readers such as this, RADEX will surely go places!

## New features

Appearing for the first time in this issue is the RADEX DX Forecast. This will be a regular feature during the active DX season. The new department is aimed at the beginner, to help him log foreign stations. However, it is hoped that the experienced DXer will use the list, also, as a handy reference chart.

We have divided it into two sections for Eastern and Western readers respectively. Besides a general forecast of reception for the month, there will be found instructions on how and when to tune for Latin American, Trans-Atlantic, and Trans-Pacific stations. A listing of the best bets in each of these groups will be found, as well as a listing of the DX catches heard by Radexers last year.

We hope you like the new department and invite your criticisms as well as suggestions for improving it.

## Station data

Plans are taking shape for a new station data section for shortwave and broadcast band stations. Whether this data will be included with our regular lists, or presented separately is not yet known. Never-the-less the requests for this data have been so numerous that we feel that we must do something about it. Items which will be considered are the sign-on and sign-off time of the stations, the mailing addresses, type of verification sent, slogan used, theme song or signature if any, identification signals, whether directional antenna is used, and the direction in which minimum and maximum

(Continued on page 56)

# Presenting

## THE UNIVERSAL RADIO DX CLUB

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**This is the first of a series of articles on the individual radio and DX Clubs which RADEX believes are an integral part of DX. Club directors are requested to contract us in regard to having their club presented in RADEX.**

The Universal Radio DX Club, 7507 Holly Street, Oakland, California, has been known as one of the leading DX clubs of the country for a number of years. This organization founded in 1933 was for years the only DX club west of the Mississippi. Today the club has members in all parts of the United States and in many foreign countries. A bulletin is issued twice monthly during the DX season to keep members informed of all the latest DX tips and schedules known to the Club headquarters. Members who send in regular reports for the bulletin are awarded an Official Listening Observer Certificate printed in two colors, suitable for framing. The Club runs numerous contests, and prizes and certificates are issued to winners. URDXC has a complete line of club supplies for members, such as, a club button, letter-heads, verifications blanks, stickers, etc., all available to members at low cost.

Each season during the past 8 years a number of stations have broadcast DX tip programs for the Club. This season WPID, KROW, and XEAC have agreed to put over these programs for the club. Charles C. Norton, the founder and president of URDXC, has edited similar programs for 18 Stations during the past 9 years. The response last season to these programs prove that the DXers appreciate the programs and want them to continue.

Among the ranks of URDXC you will find the names of some of the best and most successful DX-country.

Since Martin J. Olthoff was called to Army service in the first part of this year, the duties of Short Wave editor for URDXC have been taken over by Ray Dissinger who was recommended for the position by Martin J. Olthoff. The Club is fortunate that Mr. Dissinger accepted the Short Wave editorship.

URDXC, the first club to have an active chapter in the West, has this year re-organized their San Francisco Bay area group. Recently it was decided to cooperate with Radex, and now URDXCers & Radex members in the Bay area are meeting together. Most URDXCers are Radex subscribers also, and are very pleased with the new RADEX policy under Ray LaRocque.

Membership in the Universal Radio DX Club is \$1.50. This includes the Bulletin and Membership card. All interested in joining can secure a sample bulletin and application blank by sending 5c in stamps to the Club Headquarters.

*(Note: Information on Radex-URDXC get-together, also schedule of DX tip programs appear elsewhere in this issue of Radex.)*

*XEAC Tijudna, B. C., Mexico, 690 kcs.  
Mondays 2:00-2:15 am EST. DX TIPS.*

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### WHEN REPORTING

To a standard broadcast station, a ham station, or a foreign shortwave station tell them that you found them listed in RADEX. Tell them of the aims of the RADEX Club and ask them to keep RADEX posted of their changes in facilities!

## *Radex Editorial Office*

105 HIGHLAND ST.  
WORCESTER, MASS.

November 1, 1941

**Mr. Radex Reader  
Anywhere,  
America**

**Dear Reader:**

Here it is! Your new and improved RADEX, I mean. How do you like it? Remember it is now available by subscription or mail order only, as announced on Page 50 of the September-October issue.

This style RADEX is now going to come to you every month during the active season—if you use or have used our form on page 96 to good advantage.

But I asked if you liked it? Don't bother to write me now. I'd rather have you start a whispering campaign, instead. Yes a WHISPERING campaign!

Tell every DXer you know about the new RADEX and remind them that it cannot be had on the newsstands any longer. Tell THEM not ME how much you like the new features. Let the whole DX world know that RADEX has been made available by mail only. Tell the RADIO STATIONS about the new RADEX when you write them for verifications. Tell them about ANNE TENNA's plan to help them, and don't forget to tell them how they can contact us—BY MAIL ONLY!

Remember one thing! RADEX will grow according to the number of subscribers we get. Subscribers act on RADEX like Vitamins on you! The more we get the stronger and healthier we grow.

Sincerely,

*Ray LaRogue, Your Editor*

# *F. M. on Mt. Washington*

## W39B Over a Mile High

---

Above the clouds, at an altitude of some 6300 feet, on the summit of New Hampshire's Mt. Washington, is anchored W39B, the Yankee Network FM station, which together with its 50 kw. sister station W43B in Paxton, Mass. blankets practically all of New England with noise free FM programs.

Mt. Washington is no ordinary peak. The top of the mountain is barren and desolate. One hundred-mile-in-an-hour winds periodically sweep across it. Snowfall is common there through twelve months of the year, and on at least 16 days of every month, the winds exceed hurricane velocity. In April, 1934, the world maximum wind velocity of 231 miles per hour was recorded there!

This gives you an idea of the problems that confronted engineers in designing an antenna tower and transmitting plant atop this peak where Polar atmosphere prevails.

Complete supplies for a year's work had to be collected on the peak before the snows of winter closed not only the cog-wheel, but the eight-mile carriage road to the top. These supplies included everything from pancake flour to the a single 10000-gallon and "smaller" 2500 galloon (10 in number) tanks for storage of diesel oil and gasoline.

When the heavy snows did come, tractors and even snowshoes came into play as means of transportation. Engineer Al Sise, who supervised construction work is also an accomplished skier. For him this was one of the oddest combinations of business and pleasure.

The unique "auto-spring" horizontal antenna arms that are arranged turn-

stile fashion about the center di-pole had to be designed especially to withstand the weight of thousands of pounds of snow and ice rime (see cover picture) which forms instantly on any exposed surface. Sometimes these "ice feathers" as they are called, reach a length of two or three feet and a thickness of four to six feet!

A solid cement foundation for the transmitter building was poured into four foot deep pits, dug into solid granite. Outer walls are a layer of fibre board in turn backed by an eight inch brick wall over a frame of heavy steel. The roof is only slightly less substantial. This was necessary to combat the force of the gale winds. The building has no windows and boasts a ventilating system unique in itself. Fans suck air into the interior through some 300 three-inch holes in the building's cement foundation.

Rains sometimes filled these holes to the brink and the water froze before it could be pumped out. Live steam—water for which had to be trucked to the peak—had to be used to free holes of ice.

Just recently—on September 5, after months of digging through all sorts of rock formation, water finally gushed into a well at a depth of 1100 feet. For two years, previous to this, water has had to be brought from the base of the mountain. Tank trucks were used, then a high pressure pipe line. Both these systems were impractical because of the lack of storage space on top of the mountain, and because of the extremely low temperatures. Water is just about the nearest to "ice cold" that you'd ever

*(Please turn to page 87)*

# Ham Hounding

By OWEN CALLIN



Here's the old Ham Hounder in person! Your Amateur Editor—Owen P. Callin.

After looking over all the evidence we decided that Kansas City's gift to the DX world, Merton T. Meade, was the No. 1 Boy, and that George J. Eder, of Philadelphia, was a close second. Therefore, to those of you who do not know these DXers, we present them:

"It probably would have been more appropriate if some of the other DXers had won the Radex Ham Hounding contest," modestly writes the Kansas City flash. "I kept expecting Roger Legge or someone else to send in a score that would top mine.

"My score was made with some 800

cards from 39 countries. While 68 countries have been logged on the amateur bands, in recent years I have sent out few reports to foreign stations.

"Besides these 800 plus cards there were also a number of others on hand, those worked by brother Bob over W9QKS or K6PIT, cards received from SWL reports, cards that were printed here, etc., that naturally were not counted."

To become the greatest DXer in the USA, Mert started to DX on the shortwaves with a one-tube set, a 30 using 22½ volts on the plate and 1½ volt on the filament. That receiver used to work surprisingly well on 49 meters and lower frequencies.

For a while the three Meades—father, Mert, and Brother Bob—made quite DX combination, Dad working on the BCB, Mert covering the short wave and amateur phone stations, and Bob handling the CW stations. However, Meade, Sr., had to give up DXing because of ill health, and Bob obtained his amateur license in 1937 and joined the army in 1939.

But it was in that period between 1934 and 1939 when Mert did the major portion of the dial twisting that won him this honor.

The present set-up: transmitter—6L6 osc., 802 buffer, 807 buffer, 812 final; modulator—6F5, 6F6, pair of 6L6's. When the 812 is used on phone it is cathode modulated and runs around 80 watts. Operation is on 10-meter phone and 40-meter CW.

Mert received his amateur license on May, 1940.

On the receiving, Mert uses a Bretting 9 on ten meters and if the going

gets tough a Browning pre-selector is used ahead of it. On the other bands a Stromberg-Carlson four-tube convertor is used ahead of the Bretning. Antennas include a four-element rotary on ten and a "V" beam on the other bands.

The picture of Mert shows him during the recent code proficiency test using an EC3 with the convertor.

Mert is in the printing business and many of the SWL and QSL cards flashing back and forth across the world have emanated from his Kansas City Shop.

### GEORGE J. EDER

George Eder was surprised that his score in the contest was so high but a quick glance at his den in the accompanying photo shows an excellent collection of QSL cards which helps to make George one of the foremost DXers in the country.

He is 33 years old, married, and a laundry driver. He has been "fooling around with radio" since 1920, was a broadcast listener until May, 1935, and since then a strictly ham band DXer. He began to verify the stations heard in 1937 and to date has 352 cards from 46 states on 20 meter fone alone.

He has heard all states and 84 countries, with 54 countries verified. His best DX has been YI2BA, VR6AY, CR6AF, ES5D, HA1K, LY1S, LY1J, ZE1JX, OQ5AA, OX2QY, I1ME, SP2HH, and Little America.

His ambition: to verify all countries heard and all states on 10, 20, and 75-meter phone.

George was one of the five who originated the World DX Alliance.

He does not exchange SWL cards unless a three-cent stamp is sent. The reason: his cards are very expensive and also cost three cents to mail. A picture of one may be found on these pages. The card is of a deep red with black and silver lettering, and is cut in the shape of the state of Pennsylvania.

The changes in the ham bands are

many. For many of you who have asked, the following official message (sent from W1AW on July 22) will explain the new changes that are going on:

"The FCC gave notice to amateur licensees of its intention over the next few months to restrict amateur operation between 3650 and 3950 kcs. to make those frequencies available for the extremely important military pilot training program for the duration of the emergency; so working in close cooperation with ARRL representatives the following plan has been worked out:

"It is expected the frequencies 3800 to 3900 kcs. will first be released for defense uses sometime around September 1, followed during the next eight or nine months by transfer of the remaining 100 kcs. as needed to provide the maximum facilities for the various types of amateur work. Certain other amateur allocations will be rearranged as follows:

"1800 to 1900 kcs. will be assigned exclusively for CW; 1750 to 1900 and 3500 to 3650 will remain available for fone but the change in the 75-meter fone band is not likely until the first of 1942.

"To compensate for loss of 1800 to 1900 and 3900 to 3950 kcs. for fone a new 7-megacycle fone assignment will be made from 7250 to 7300 kcs.

"The special privileges held by Class A operators will be temporarily abandoned and all amateur fone frequencies will be available to all amateur licensees." (Thanks to Arthur Grant)

Norm Kane asks "What say about the new regulations?"

"The 40 fone ruling will make for such a mess as these ears have never heard," he attests, "and likewise the already crowded 75 and 20-meter bands will be a mess. On 40 meters the 50 kcs. of room and that wouldn't allow more than seven good signals on the band without providing a mass



of QRM."

Well, Norm, we kinda think so, too, but will wait and see how the move turns out.

About this VAS, etc., business. Art Grant wants to know how the certificates for verifying all states or continents are obtained. To get a certificate one must have all states or continents verified and furnish proof (the cards do not necessarily have to be sent in but a notarized statement will suffice). Then the certificate will be sent by the Radex Club upon receipt of the proof.

Art also wonders why a VAD (verified all districts) certificate is not issued.

gard the actual verification? The whole hobby of DX, it seems to me, is based on the actual verification, or proof that a station has been heard.

What do you think, Radexers?

Defense keeps cropping up in amateur radio operations. Recently in Canton, Ohio, the American Legion post there donated a \$500 two-kilowatt gasoline generator to the Canton Amateur Radio Club for use in any power emergency.

The generator passed its initial tests by being used in flashing messages to Milo J. Warner, Legion commander at the Legion convention in Milwaukee and to President Roosevelt, May-

## THE WINNERS



George Eder of Philadelphia, second prize winner in the Ham Hounding Contest!



Mert Meade of Kansas City, Winner of Ham Hounding DX championship contest.

Joe Ribinski still sticks up for his Heard All States certificate in spite of Bill Scott's objections.

"I only suggested it for the Radex Club members who cannot afford to send for verifications," says Joe. "The cost really mounts up, especially when you send the hams return postage and then they never answer."

I'm afraid that's, only too true-- that many hams do not answer, but wouldn't the thing to do there be to educate the hams rather than disre-

or LaGuardia and Ohio's Governor John W. Bricker.

Not so long ago three National Youth Administration amateur radio stations began operating in Pennsylvania with plans for nine others on the way. The three are W3JJA at Harrisburg, W8ITJ at Pittsburgh and W8VYC at Wilkes-Barre.

The network is under the direction of State NYA Administrator Isacc C. Sutton and will become soon a part

of a national hookup from coast to coast as soon as the other states complete preparations.

At present the state network operates every Monday night.

Again new reporters are cropping up and we'll have a fine collection of news through the winter if first reports are indicative.

Eber Diehl (R1998) sent in the dope on the Pennsylvania NYA stations and we expect more reports from him. Buddy Giles (R2006) of Wichita Falls, Tex., sends in his first as does Arthur Grant (R2328' of Monroe, La., and George Wells (R2309) of Warwick, R.I. Thanks, fellows, for the good reports and welcome to the Radex Club.

Five months ago NY4AD sent us some dope on himself and his rig and in the letter he said that he had about five more months of duty in Guantanamo Bay. So perhaps he may be shifting his operations anytime, if he has not yet done so.

NY4AD is the former W6OLD, the old call from San Pedro, Calif. He is T. O. Moore, and has been with the navy over 15 years. At present he is a chief boatswain. With him is Ruth, the XYL, and the three-year-old "red-headed, wild Indian," Dennis Anthony, hi son.

The policy at NY4AD in regards to SWL and QSL cards is this:

All are answered and the card should show the time and the station worked so that a check may be made with the station log. International Reply Coupons are useless at the naval base, as good old American stamps are used, the base being the same as a part of the United States.

#### QRA AND QSL

Arthur Grant wants to know if CO2LY will verify and if there are any hams in Guam active. If so, will they QSL and what are their frequencies?

Joe Ribinski has received veris

from: XE1AC, XE1CH, PY2LN, CO6AX, 8MP, 2LY, NY4AD, TI2CH, TI6HP, K4DSE, 4FAB, K6OJI, K4KD and K7BUB.

Bill Scott wants the QTH of HR1WT, heard on 40-meter CW. Cards at the Scott den recently received: K6TVG, KC4USA, KD4GYM.

Phil Bate's QSL list: CE1AK, CX2BK, CX3CI, EA7BA, HK3CY, K4DDH, KA1JH, KB6CBN, PY4AM, XE1CH, XE1FB, XE1JO, XE1LF, ZP5AC.

L. N. Stracener wants the QRA's of W1LYH, W1KLC, W6RX, XE1LF, OA1A, XE1MF, W5XGV and W1OXNL.

Bernard Arnold sends the QRA of K6REF as requested by A. M. Hankins: K6REF, Hale C. Cheatham, Lihue, Kauai, T. H. Bernard would also like the QRA of K6QUD.

FLASH! FLASH! American DX Club Special to Radexers:

EK1AF is NOT dead. Jose M. Sierra is in Mexico City and has the Call XE1NO. He is heard nightly on 14.080 kcs. about 9:30 p.m. (The Onda Corta, Mexican Amateur radio publication, lists XE1NO as Gral. Roberto, Fierro y V., Georgia No. 702, Mexico City, D. F.—Ed.)

The "U" stations are still operating on 20 and 40 CW (see USSR in Station List).

Cuba is now issuing six-letter calls (also see Station List).

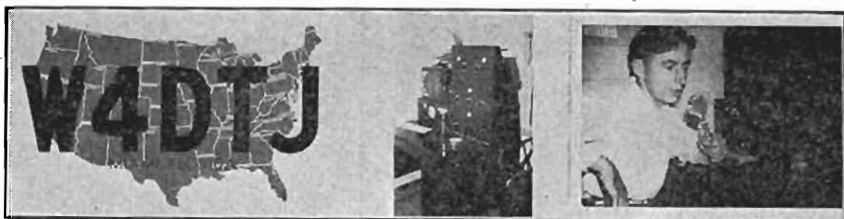
#### THE W SECTION

We salute this month W4DTJ, Carl A. Gauzens of 3127 N. W. 5th Ave., Miami, Florida. From the land of sunshine Carl sends this dope about W4DTJ and its operator.

He is 25 years old and has had his call since 1935.

The rig is a pair of TZ40\*s with a final input of 140 watts. Receiver is an SX17 and a home-made E.C.O. completes the outfit.

Carl up until a year ago was on ten-meter fone and made WAS and



The QSL, the rig, and W4DTJ in person—Carl A. Gauzens of Miami, Fla.

worked four continents on that band. He now works 20 and 75-meter fone and 2½ meter mobile. On 20 the antenna is a two-element fixed beam pointed north and on 75 it is two half-waves.

Carl is a member of the AARS and expects to be called into the army soon—into the signal corps, he hopes.

He also is a staunch reader of Radex—hi' hi!

W8RHZ in Twinsburg, Ohio, has a dandy card, advises Bil Wells, who says that all listeners should go for one. He has also received cards from 9ZDM, 8RHI, 6WQ, 8MLW.

WIKOF adds his voice in protest of the SWL who sends in a card barely stating "I hrd you call..... on ..... Please QSL." WIKOF said that he never QSL's for such a meager report.

These hams QSL for postage, says Bernard: 1AW, 2KYH, 2GMV, 3FOU, 4HRL, 5AOH, 8CHS, 8SKM, 8TMP, 8HHU and 8UGF.

W1EER of Norton Heights, Conn., QSL's with an attractive red and black card; W6PQW sends a royal blue card with silver letters; W9TQD has a red, white and blue QSL. Other hams who QSL in Bill Adams' book are: 1CIB, 1NJ, 1BAU, 1HJI, 2JBI, 2IEF, 3ANO, 3HWO, 4ECI, 4EMO, 5AJJ, 6PQW, 6TTE, 9BXH, 9ADP, 9LDM, 9ASO and 9QJB.

W9BNP not only QSLed for Norm Kane but sent him a letter, too. Norm also reports W4AH operating portable in K4 at a ham convention.

Now for the Station List:

**ALASKA**—K7BUB seems to be the most popular Alaskan on these days.

**ARGENTINA**—LU5JE sends an fb blue and cream card with red call and border. LU7AW was heard at 7:25 p.m. on 14.4.

**BRAZIL**—PY2GS has a special card for SWLs and QSLs 100 percent. He runs 80 watts and operates on nearly all fone and cw bands. PY4AM sends a large white card with green cal. PY2AJ heard in an attempted QSO with OA1A on 80-meter fone.

**BOLIVIA** — A new station is CPIAF and anyone learning this CP's QRA or anything else about him please shoot it in.

**CANAL ZONE** — NY1AE heard one morning in a QSO with W1LYH. K5AP and K5AT QSL but K5AC and K5AQ do not, says Phil Bates.

**CHILE**—CE1AK is a new station (cards made by Mert Meade). That is, the op is new although the call is old. He welcomes reports, and is an American from Germantown, Pa. His QRA: Earl W. Schneyder, Jr., Chuquicamata, Chile. CE1AO may be hears on 20 during the evening talking with CO8MP.

**COSTA RICA**—TI2WT and TI5-CMR heard on 20.

**CUBA**—The island republic is now issuing six-letter calls, the first CO2PLL issued to Dr. Pablo de la Llama, legal secretary of the Havana Electric Railway Co.

**GUAM**—KB6CBN gladly QSLs for a dime and sends a white and red card with a foto of the station affixed.

# The Radex Contest

## SEMI-FINAL SCORE

The RADEX contest is officially over, but the contestants have until December 1, 1941 to get their verifications from the stations. In case you want to send in your score early you may use No. 6 coupon as an extra coupon is herewith furnished for your final score. It is not absolutely necessary for contestants to use the extra coupon.

It is not too late for anyone who has not yet entered the contest to enter his verifications. All back issues of RADEX can still be obtained from our offices in Emerson, N. J., so that you should have no difficulty procuring the necessary coupons from one to six!

**HAITI**—According to Norm Kane, HH4AS is in the United States now for good, forced to leave the island because of his wife's health. It is reported that he was a W5 call somewhere.

**HAWAII**—K6OJI verifies for a dime but his card is worth it! K6TKA uses 850 watts and a three-element beam. These K6's will NOT QSL, says Phil Bates: BAZ, IQN, LCV, and SWV. These will: OJI, NYD, PLZ, RVG, SYM and SRZ. Here are some K6 frequencies: TGG 28.65, REF 14.22, SWV 14.21, IFW 14.19, OTH 14.19, KGA 14.16, RVG 14.21, LKN 14.21, QOE 28.72, BAZ 14.18, CGK 14.21, QUD 14.18 and OJI 14.16.

**MEXICO**—These hams QSL: 1AG, 1CH, 1FB, 1GE, 1JO, 1LF, 2HD, 2S, 3BK and 3X. 2FC is Roberto Villaseñor, Apartado Postal 815, Tampico, Tamps. He wants reports and QSLs for no postage.

**NICARAGUA**—YN1AZ will positively not QSL.

(Please turn to page 47)

A little controversy has arisen over the counting of cw (code) amateur stations. It seems that our original rulings did not stipulate that the verification should state phone transmission on amateur bands. In this case, we would judge from the bulk of the correspondence received, that the contestants interpreted our rule to mean that they could count these cw stations as well as phone transmitters.

The majority of contestants have yet to express an opinion on the matter, but until we get a more complete vote let us say tentatively that it will be permitted to count cw verifications as well as phone QSL's in the amateur division. However, this shall be the only space on your coupon where you can count cw veries. They must not be added into the score when computing your All Wave Total.

**Important developments:** Frank B. Lee caught and passed Steve Mann in the Standard Broadcast division and is now leading by nearly 200 points. . . Roger Legge still holds a very commanding lead in the short-wave division, but is more closely pressed in the Amateur division by Mert Meade who has yet to submit his No. 5 coupon. . . . The race for All Wave champion commands the most attention with Steve Mann and Roger Legge still battling, though Steve has passed Roger and now leads by 470 points, which isn't much considering the way these boys have been climbing. The most remarkable gain of the month also comes in the All Wave Division, where we find Robert Sullivan in third place—not very far behind the leaders, with a net gain of about 10000 points.

The scores follow, with the number

in parenthesis indicating the number of coupons submitted:

**Broadcast**

- 3616 Frank B. Lee (5) Wildwood, N. J.  
3434 Stephen A. Mann (5) Lakewood, Ohio  
2700 David Thomas (2) Proctorville, Ohio  
2226 Robert Brown (5) Goshen, Ind.  
2212 Robert Gilchrist (5) New York City  
2124 Lem Cavileer (4) Haddon Heights, N. J.  
1930 Weston Richards (5) Zion, Ill.  
1520 George Wetherill, Jr. (2) Upper Darby, Pa.  
1350 N. B. Boonin (3) Upper Darby, Pa.  
1152 James O. Weaver (5), Elkhart, Ind.  
1050 Norman Maguire (4) Stamford, Conn.  
944 Chet Stedman (4) Westerly, R. I.  
644 W. R. Knotts (6) Pennsgrove, N. J.  
630 Roy Woollacott (3) Rochester, N. Y.  
544 Ed Laudansky (5) Dorchester, Mass.  
525 Frank Susorney (2) East Chicago, Ind.  
504 V. C. Stasen (4) Philadelphia, Pa.  
432 Philip A. Gridley (4) Holyoke, Mass.  
396 William Scott (4) Johnson City, Tenn.  
380 Donald Fraser (2) Detroit, Mich.  
360 W. K. Rosenberger (4) Yankton, S. Dak.

**Shortwave**

- 6800 Roger Legge (5) Binghamton, N. Y.  
1824 Steve Mann (5) Lakewood, Ohio  
N. J.  
875 Robert Sullivan (5) Brooklyn, N. Y.  
760 E. L. Hoffman (4) Roanoke, Va.

- 630 Allen G. Hooker (5) Liberty, Sask, Can.  
416 Ed Laudansky (5) Dorchester, Mass.  
381 Norman H. Kane (5) Buffalo, N. Y.  
352 Harold Mannix (4) Cincinnati, Ohio.  
318 Clarence Lee Mustoe (2) Brady, Mont.  
195 Vincent Longo (3) Detroit, Mich.  
176 William Scott (4) Johnson City, Tenn.  
168 Francis Fellers (3) Amherst, Mass.  
168 A. M. Hankins (5) Latrobe, Penna.  
144 Harry Johnson (4) Los Angeles, Calif.  
136 Arthur Cushen (4) Invercargill, New Zealand  
117 D. L. Bishop (2) Liberty, Sask.

**Amateur**

- 3456 Roger Legge (5) Binghamton, N. Y.  
2152 Merton Meade (4) Kansas City, Mo.  
1995 Tom Smith (4) Orlando, Fla.  
1564 Robert Sullivan (5) Brooklyn, N. Y.  
960 Phillipe Bates (5) Philadelphia, Pa.  
861 Roger Crabbil (5) Washington, D. C.  
630 Mike Unger (3) Detroit, Mich.  
557 Stephen Mann (5) Lakewood, Ohio  
438 Harry O'Meara (4) Manchester, Mass.  
395 Willis Richardson (4) Painesville, Ohio  
390 L. N. Stracener (5) Baton Rouge, La.  
344 William R. Knotts (6) Pennsgrove, N. J.  
321 Wm. Scott (4) Johnson City, Tenn.  
300 Edgar Newman (4) Valley Stream, N. Y.  
291 Stan Sosnowski (2) Detroit, Mich.

- |       |   |      |  |
|-------|---|------|--|
| 208   | V. C. Stasen (4) Philadelphia, Pa.      | 1700 | Harold Mannix (4) Cincinnati, Ohio       |
| 200   | Alvah Cole (4) Norfolk, Va.             | 1640 | George Wethrill (2) Upper Darby, Pa.     |
| 175   | Ed Laudansky (5) Dorchester, Mass.      | 1529 | V. C. Stasen (4) Philadelphia, Pa.       |
| 168   | Everett Erickson (3) Bethel, Conn.      | 1488 | Vincent Longo (3) Detroit, Mich.         |
| 126   | Ralph Kastner (4) New Braunfels, Texas. | 1449 | N. B. Boonin (3) Upper Darby, Pa.        |
|       | <b>All Wave</b>                         | 1216 | Norman Maguire (4) Stamford, Conn.       |
| 15476 | Stephen Mann (5) Lakewood, Ohio         | 1122 | Hal Newell (4) Arlington, Mass.          |
| 15006 | Roger Legge (5) Binghampton, N. Y.      | 1026 | Norman Kane (5) Buffalo, N. Y.           |
| 14700 | Robert Sullivan (5) Brooklyn, N. Y.     | 765  | Arthur Hankins (5) Latrobe, Penna.       |
| 9984  | W. R. Knotts (6) Pennsgrove, N. J.      | 756  | Harry Johnson (4) Los Angeles, Calif.    |
| 7131  | Lem Cavileer (4) Haddon Heights, N. J.  | 651  | Merton Meade (4) Kansas City, Mo.        |
| 5586  | Robert Sullivan (4) Brooklyn, N. Y.     | 480  | Donald Fraser (2) Detroit, Mich.         |
| 2737  | Ed Laudansky (5) Dorchester, Mass.      | 404  | Charles Bender (3) Pittsburgh, Pa.       |
| 2688  | Robert Gilchrist (5) New York City      | 336  | Jos Lippincott (3) E. Vassalboro, Maine. |
| 1887  | L. N. Stracener (5) Baton Rouge, La.    | 332  | Everett Erickson (3) Bethel, Conn.       |
| 173   | William Scott (4) Johnson City, Tenn.   |      |  |

**The Radex Publishing Co.,**

148 Copley Ave.

Teaneck, N. J.

Date.....

Gentlemen:

My entry in the RADEX Contests follows:

	A	B	C
	Stations Verified Since Oct. 1, 1940	Countries Verified	Points
Broadcast Band	.....	.....	.....
Shortwave	.....	.....	.....
Amateur	.....	.....	.....
All Wave	.....	.....	.....
<i>(Column A times Column B equals Column C).</i>			

Name .....

Address .....

City and State .....



# The Radex Club

By ANNE TENNA

Welcome to the Universal Radio DX Club of Oakland California which now becomes associated with the RADEX Club. The URDXC President, Charles C. Norton working with our Western Editor has made arrangements to hold a joint meeting of the members of RADEX Club and URDXC who live in the vicinity Oakland and San Francisco.

**All members of the RADEX Club as well as those who belong to the URDXC and who live in the San Francisco Bay Area are invited, yes urged to attend a joint meeting at the home of Charles C. Norton, 7507 Holly St., Oakland, Calif., on Friday evening NOVEMBER 28th at 7:30 p.m. It is suggested that if you plan to attend, that you get in touch with the host and inform him of your plans.**

Do we have new members? Certainly! Our total now reads 2538 members, but when are we going to blacken those five spaces on our map?

I want to say "come in and pull up a chair" to the following:

**California:** Dick Hayes, Arcadia (R2504), Jim Wilson, Mill Valley (R2484), Lothrop Mittenhal, Los Angeles, (R2457), Donald B. Prell, Los Angeles (R2525), Victor Joseph Leonardi (R2540).

**Colorado:** Pvt. Oliver E. Harmon, Denver (R2539).

**Connecticut:** Gerard Sillman, New Haven (R2534).

**Florida:** Bob Branch, Orlando (R2513), Warren Baker, Pensacola (R2474).

**Illinois:** Bill Bilbrey, Collonsville (R2500), Joseph Slezak, Chicago (R2499), Robert L. Hatton, Maywood (R2543).

**Indiana:** Jim N. Griffin, Cicero (R2473).



**Kansas:** Floyd Roof, Kansas City (R2478).

**Kentucky:** Carl Vogel, Camp Taylor (R2502), Bill Houk, Dayton (R2510), Roswell H. Richardson, Louisville (2487).

**Maine:** Kenneth La Bree, Auburn (R2536).

**Maryland:** Peter James McElroy, Baltimore.

**Massachusetts:** Donald Barnes, Walham (R2496), J. Tinneran, Chelsea (R2493), Frank T. Sharkey, Lawrence (R2495), R. L. Martin, Waltham (R2507), Edward Hocking, E. Weymouth (R2466), Lloyd Staples, E. Bridgewater (R2451), Clifford M. Manzer, Lynn (R2541).

**Michigan:** Robert Cierzniwski, Bay City (R2506).

**Missouri:** Eugene Gross, Webster Groves (R2246), Harold Leimkuhler, North Kansas City (R2460), Bud Parker, St. Louis (R2458).

**New Jersey:** Harold Held, Paterson (R2461), Roy Clemens, Hoboken (R2503), Bill Malloch, Trenton (R2515), William Frauson, Mahwah (R2517), Harry P. Moses, Atlantic City (R2516), John Kirby (Secaucus (R2514), Robert Weiner, Bergenfield (R2538).

**New York:** Ralph Rosa, New York City (R2488), W. J. Hopkins, Sodus

(R2505), Theodore V. Liss, Hartsdale (R2520), W. Barnes, Lockport (R2467), Henry Lulli, Astoria (R2456), Henry O'Meara, Tarrytown (R2483), Charles Schlotterhauer Brooklyn (R2482), K. H. Dimon, Greenport (R2533).

**North Carolina:** Joe Whisnant, Charlotte (R2577), Donald Rollins, Hickory (R253).



Here's NY4AD's card.  
It's from Guantanamo Bay, Cuba

**Ohio:** Bill Gabriel, Jr., Lakewood (R2498), Charles Hoffman, Cincinnati (R2452), Michael Vegh, Toledo (R25455).

**Oklahoma:** Jimmie Felts, Henryetta (R2472), Ersal Janeway, Moore (R2492).

**Oregon:** David MacCollum, Portland (R2455),

**Pennsylvania:** Arthur Nannos, Philadelphia (2508), Lou Duniyak, Phoenixville (R2496), Frank Davoli, Philadelphia (R2501), Richard Heilman, Lincoln (R2535), William H. Knox, Philadelphia (R2453), Gus Huroodo, Philadelphia (R2454).

**Tennessee:** Jack Jackson, Memphis (R2542).

**Texas:** Jack Hamilton, Fort Worth (R2475).

**Virginia:** R. W. Ribbel, Jr., Norfolk (R2470).

**Washington:** Corp. Charles E. Lannon, Fort Lewis (R2464).

**Wisconsin:** James C. Prebbanow, Wisconsin Rapids (R2481).

### **Perto Rico**

Carlos Martinez Figueroa, Santurce (R2459-P.R.2)

### **Canada**

**Nova Scotia:** Bill Keating, Halifax (R2494).

**Quebec:** Jean Drapeau, Montreal (R2468).

### **Bermuda**

Ralph Hughes, Somerest (2511-Bermuda 2)

### **Europe**

**England:** John T. W. Bluth, Norfolk (R2471).

It seems that I started something when I mentioned Chapters' last issue. So many have written to me that it was physically impossible for me to do more than touch upon the subject in my repiles.

So I intend to cover the subject of chapters thoroughly in this session so that those who found my letters lacking in information will find their answers here.

First may I say that RADEX will be glad to furnish a list of club members in your locality if you desire to form a chapter. Please do not write unless you have serious intentions, however. After you have the list of names, the first step is to contact those members regarding a suitable date for a initial meeting and you must provide the meeting place. After the meeting, the chapter is on its own. Members will be able to work out solutions to meeting problems by themselves.

All RADEX will require of chapters is that the entire chapter membership be enrolled in the RADEX Club, and secondly that the chapter keep RADEX informed regularly (at least one report per issue of RADEX) on the chapter activity. Beyond this all chapter activity will be up to the chapter itself. However, we will expect the RADEX Club chapters to be solely for the enjoyment and benefit of its members and that no attempt will be made by any person to operate the chapter as a profitable venture.



Here are a few suggestions: It is best that the chapter cover a small area. Small chapters in one central location are more successful than large groups scattered miles apart. Chapters thrive best when members can be easily contacted personally instead of by mail.

Dues can be required, but are not necessary. In fact, there are many better ways of operating. I feel that holding the meeting at a different member's home each time is one of the better ways, though large groups may want to tax their members in order to secure a suitable meeting place. In most communities there are places available for very nominal sums. As spacious as any of these places may be, none can compare with a regular old fashioned get-together at some DXer's home—where everyone chats, boasts about his catches, and everything is topped off by refreshments served by the host.

Refreshments might offer a problem. There are two ways of handling the matter. One is to have everyone attending contribute a fixed sum to the host to cover the expenses. Another, and still better method is to have everyone agree to spend only so much when they are playing host. They should live up to this agreement rigidly. This latter method works very well when everyone has agreed to take his turn at playing host. Of course, if only a certain few in the chapter are in a position to be host to the group, the first method is the best plan.

It is good to have some sort of outside activity other than meetings. Some suggestions are bowling matchess, softball games, picnics and outings, sleighride parties, dances, or even amateur shows. Amateur shows are fun when you can rig up a "mike" to your set and offer a prize to the winning performer. Don't try to conduct any of these things on a large scale. Don't invite a lot of outsiders in order to increase your revenues. Be

satisfied with the enjoyment you get out of these events and don't try to make any money out of them. Let each member contribute equally toward these affairs.

As a warning, don't let the DX angle be forgotten. Contests for the best verifications displayed at the meeting, or for other DX achievements. Concern your meetings mostly with DX and have the other activity come in between. Don't hold meetings too often. Once a month is usually often enough.



George Eder's unusual SWL card cut in the shape of the map of Pennsylvania.

Now members, let us pass on to the correspondence from the members. Tomm Moss (R1101 Ga.4) of Hapeville, Ga., who started the drive for Club stationery will soon be on the air with an amateur transmitter. . . . Benny Miller (R2368) of Spring City, Tenn. thinks it is the duty of every club member to report periodically to RADEX.

Roy Woollacott, once a very active DXer is now W8WIF! . . . Willie J. Saunders, Jr., of Washington, D. C. (R2288) is planning a chapter in the Capital of our nation. There are six members in his group, namely Frank and Charles, Werdig, Robert H. Lancel, George Farnham, Michael F. Collins.

Nicola Cannata of Chicago wants us to have seals so that he may use them on his SWL cards and stationery.

Ooops! By mistake I listed Francis

Lendzioszek at R2320. This is his brother Ed's number. Frank's number is R2357—and incidentally Frank is now in the service of Uncle Sam and stationed at Fort Bragg, N. C.

Edgar E. Newman, (R1702) of 214 Munro Blvd, Valley Stream, Long Island is ambitious enough to want to form a chapter in the New York City area! Will interested members please communicate with him.

Donald B. Prell, 1244 Fourth Ave., Los Angeles, Calif. (R2525) is a new member who wants to join a chapter. None has been formed in this area as yet, but there are quite a few members in the Los Angeles district. Anyone interested in starting something?

Edwin R. Strakna (R2327) of Box 85, Jewett City, Conn. is busy with a list of Connecticut members, attempting the formation of a chapter there!

A. E. Koppe (R1816), 1756 Curtes St., Denver, Colo. is anxious to start a chapter there.

Now for a gem of a letter from J. W. Brauner. Radexer Brauner comments on the many features in RADEX, but of principal interest is the following: "As to the RADEX Club, I believe there is golden opportunity there, not in promoting another club to compete with clubs already in the field, but to operate as a sort of General Headquarters for all DX Clubs, and to exert the weight of influence that your magazine has, in promoting better business methods in DX Clubs and bringing about a better spirit of co-operation between the clubs and improved relations with the broadcasters.

We'd really have a DXers Utopia if some one could bring all the DX fan groups together into a United front, then the DX fans would actually be able to make a showing that would raise their status to a point where we could command the attention that the ARRL gets in various places. The benefits this would bring the DXer are worth thinking about."

And another note from Paul Sampson of Regina, Sask. which speaks along the same channel of thought: "In the past some DXers have been so given to the first person plural and especially to the first person singular that permanent damage has been done in the relationship between broadcaster and DXer. . . There is still time for co-operation of the DX fraternity and sorority. Chapter activities, national officers, and committees as suggested in the current issue should be quite a thing. DXers scoff at the phase of radio that does not interest them and yet they expect others from the ranks they scoff to join their ranks. No wonder DXing is not what it should be."

These two letters speak a whole lot of TRUTH! DXers complain of station longer interested in DXing, of stations keeping their monitoring tests a secret so that they won't get too many DX reports. Yet this situation has been brought about by the DXer himself. There are too many in the DX hobby who have been part of the hungry mob who have demanded everything from the broadcasting stations and gave nothing in return. I do not intend to hurt any feelings, for in most cases the offense was unintentional and due mostly to inexperience in the methods of good DX and fair play at this game of ours.

The DX Clubs (some of them) have been partly responsible — again through hasty action without thought of the outcome, or perhaps due to a strong desire to get their club ahead of the others without care of how they treated the broadcaster. Perhaps this is being a little harsh, for it was seldom that the club itself was guilty of any offense toward the broadcaster. However most clubs appointed anyone who'd raise their right hand, or who could push a pen to solicit courtesy programs. It was these CPC members who, unknown to the club officers were guilty of many errors in courtesy, good sports-

manship, and fair, play. I have seen some letters received by stations from CPC members, who perhaps wrote the letter with no thought of the impression it created because he was himself a rookie in the DX game and had the wrong slant on the whole thing.

Fortunately there is very little of this going on today. Unfortunately though, the damage has already been done. A greater part of our North American broadcasters find a bitter taste in their mouths when they pronounce the word DXer. It is sad but true.

**THIS SITUATION HAS TO BE CORRECTED.** And the RADEX Club is the club to do it! We solicit the co-operation of all DX Clubs. The URDXC has seen fit to come in with us. How about the rest of you? Come on now, lets hear from you now. Remember that your club can go on and on just the same without any interference from us—all we want is your endorsement of our policy by becoming an associate club. Your club name will appear in each issue of RADEX as an associate of the RADEX Club. Your members can be urged to write for their RADEX Club membership cards. We will continue to operate for the interest of the DXer and the small DX Clubs if the small DX clubs will operate for our interest. RADEX can never become a substitute for the small DX club which publishes a weekly bulletin or bi-weekly buletin with its timely notes to the members. But we do supply information that your members need and will always need. It is foolish to think of the RADEX Club and your club as competitive. There is a crying need for both in the DX world and much more can be accomplished if we work together. The activity of our associate clubs will be publicized in RADEX monthly along with RADEX Club news.

Our aim is the "United Front" that J. W. Brauner spoke of in his letter.

What say DX clubs, are you with us?



**XE1AW's QSL**—considered to be 1941's best card in Central and So. America. Alberto H. Callejo, operator, says he's on 14090, 14130, 14190 kcs. daily from 10 p.m. to midnight.

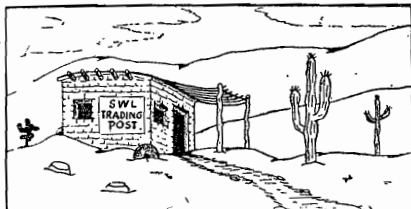
**Veri costs 10 cents**

Next month I expect we will be able to start action. Most important is the fact that we will announce candidates for office in the RADEX Club. Will all Radexers who care to serve the club and who have the time and desire to do so communicate with us in time for us to announce the list of names in next issue? We haven't set any definite titles for officers yet, but I'd like to get an idea of how many volunteers there are. Of course, uppermost in my mind and the most important body in the club will be

*(Please turn to page 79)*

# SWL Trading Post

OUR EXCHANGE DEPT.



**Requests for exchange of SWL Cards must be accompanied by the sender's own card. No responsibilities are assumed by RADEX.**

Joseph Slezak, 5009 South Fairfied Avenue, Chicago, Ill. R2499 (SWL Cards)

Ralph Rosa, 471 West 142 St., New York, N. Y. (SWL Cards and Correspondence)

Dave Mac Collum, 1041 S E 57 Ave., Portland, Oregon. (SWL Cards)

Lewis Hertzan, 1250 Bloor St., W. Toronto, Ont., Canada, R2408. (Correspondence)

Nicola Cannata, 1003 South Halsted St., Chicago, Ill. (SWL Cards)

Franklin Flore, 644 Franklin Alley, Bethlehem, Penn, R2294 (SWL Cards and Correspondence)

Gerald Stoneman, 407 Wiliams St., Chilliwack, B.C. Canada. R2292 (Correspondence)

Tommy B. Atkins, 9 Priory Street, Manmouth, England. (Correspondence)

Harold Held, 57 Clark Street, Pater-son, N. J. R2461 (Correspondence)

Matthew Leshner, R757, 5 Craven St., Methuen, Mass. (New address for SWL Cards)

Bob Camp, 70 Baker St., Johnson City, N. Y. (Correspondence with DXers).

Billy Camp (R1894), 1042 Water St., Moosic, Penna. Stamps and SWL Cards.)

Thomas M. Moss, 570 Oak Drive, Hapeville, Ga. (SWL Cards from foreign countries)

James C. Prebbanow, 17010 West Grand Ave., Wisconsin Rapids, Wisc. (Correspondence).

Joseph J. Becker, Sr., 415 South 11th Street, Hamilton, Ohio (SWL Cards and post office views)

P. F. C. Joe Becker, Co. C., 147th Infantry, 37th Division, Camp Shelby, Mississippi. (Postal card views only).

Byron Harrell, Battle Ground, Wash. (SWL Cards).

Charles Hoffman, 1244 McKeone Ave., Cincinnati, Ohio (SWL Cards)

Edward Lenzioszek, 40 Emerald Place, Easthampton, Mass. (SWL Cards and fotos).

George F. Del Grande, 29 Storms Avenue, Jersey City, New Jersey. (SWL Cards)

George P. Wells, Box 9 Warwick Neck P. O. R. I. (Correspondence and SWL Cards YL around 15 Interested in Radio)

Anton Duemig, Carvel Hall Hotel, Annapolis, Md. (SWL Cards)

Bob Branch, Box 1967, 307 Park Lake, Orlando, Fla. (SWL Cards)

Roy Clemens, 800 Park Ave., Hoboken, N. J. (SWL Cards)

George E. Perrin, 76 Berry Street, Rochester, N. Y. (Correspondence and SWL Cards)

Ersal Janeway, Box 24, Moore, Oklahoma. R2492 (SWL Cards)

Benny Miller, Spring City, Tennessee. (SWL Cards and View Cards)

Julia M. Neilson, 1531 Ralworth Road, Baltimore, Maryland, (SWL Cards)

Walton Knight, Accomac County, Hallwood P. O. Virginia. (QSL for a 3 cent stamp)

# Shortwaves in Review

By the EASTERN and WESTERN EDITORS

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News from all parts of the WORLD compiled from reader reports with items by your editors and official news items. Items in italics are exclusively by and for Western readers, and are given in P. S. T. All other time is E. S. T.

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## AFRICA

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### Algeria

TPZ on 12120 kcs. has been reported by a few as being poorly heard between 2-3 p.m.

### Belgian Congo

OPM on 10140 kcs. is still being heard in the afternoon from 1:55-2:45 p.m. by a few DXers in the North-east.

OQZ on 9195 kcs. thought to be the station heard at 4:10 p.m. by Alton Caldwell (Mass.). Man was calling a station which sounded like "Bavada" and then went into inverted speech shortly afterward.

### Egypt

SUV on 10050 kcs. is believed to be the station in Egypt being heard by Roger Legge from 2-4 p.m.

### French Cameroons

\*\*\*\*"Radio Cameroun at Yaounde on 10710 kcs. is reported by that demon DXer Steve Mann as broadcasting from 5:45 a.m. to 3:30 p.m.

### French Equatorial Africa

*Brazzaville heard on 12000 kcs. around 1-2 p.m.*

*Veri received from Radio Brazzaville after being out five months.*

*FZI on 11790 kcs. still heard very well 7-8 p.m. and 10-10:20 p.m.*

### French Morocco

*"Radio Maroc III" (Now CNR) has verified with a very fine card. They are heard with fair signals in New Zealand at 11:30 a.m., on 8035 kcs.*

### Gabon

- \*\*\*\*FHK on 9320 kcs., "Radio Gabon," located at Libreville is on the air daily from 4-6:15 p.m., according to Steve Mann.

### Mozambique

\*\*\*\*CR7RB on 7120 kcs. at Nampula, operated by the Radio Club de Nampula is a new station operating irregularly until 3 p.m. This forward pass tossed us by Steve Mann.

### Northern Rhodesia

*The Post Office station at Salisbury, 7310 kcs., is heard with faint signals in New Zealand closing at noon.*

### Reunion Is.

*FJP, 5995 kcs., was heard at 4:30-4:45 a.m. on the Sundays August 3d and 10th. They opened with a march followed by the announcement in English "FJP, Radio Re union" and news in French followed until sign-off. ????*

### Union of South Africa

*ZRK, Capetown, was heard broadcasting setting-up exercises on 6100 kcs., opening at 8:45 p.m. News in English is given at 9:15 p.m.*

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## ASIA

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### Aden

ZNR-2 on 12115 kcs. using 500 watts operates on irregular schedule, approximate from noon to 1 p.m., daily. Station verifies by letter, including schedule. This from Steve Mann.

### Burma

*XYZ, 6007 kcs., was heard at 6:40 a.m. with fair volume. Also heard 3-4 a.m.*

### China

\*\*\*\*XGOY on 11900 kcs. and XGOX on 15200 kcs., the Chungking shortwave stations are broadcasting regularly in spite of the heavy bombing of the capital city. The station has bomb proof shelters built with solid blocks of granite four feet thick.

Transmitting equipment is located in dug-outs constructed on the side of the mountain on which Chungking sits. The United China Relief, our informers, urge SWL's to pay no attention to Japanese claims of having destroyed these stations. Other short-wave stations in China are operating in Kweiyang, Kunming, and Chengtu.

XGOY uses the frequencies 5950 kcs., 9500 kcs., 9635 kcs., and 11900 kcs. for their 3-5:30 a.m. broadcast to North America, according to Stracener (La.).

\*\*\*\*XGVM or XGDM (?) is a new station reported by Francis Fellers (Mass.) and Oliviero Laperal (P. I.). The station uses 11858 kcs. and uses the slogan "The Voice of Democracy." Station comes on the air around 7 a.m. with English news at 7:05 a.m.

XGRS on 12040 kcs. operates from 5:45-10 a.m. and, being German owned is the pro-Axis station in this city. Address is Great Western Rd., Apt. 5. This station is not heard later than 6:45 in the East.

XIRS on 11980 kcs. is on from 5-7:45 a.m. and, being Italian owned, is also a pro-Axis station.

XMHA on 11855 kcs. (hip-hip Hooray) is the American controlled station in Shanghai. Naturally this station 4-10 a.m., and from 7-8 p.m.

FFZ on 12090 kcs. is French owned and operates from 5:30-7 a.m. This, too, is Shanghai.

XMHA, 11855 kcs., is heard R7 at sign-off time 7 a.m.

XOJD, 6110 kcs., heard at 3:30 a.m., with fair volume.

XGRS, 12040 kcs., heard around 3 a.m. They are on until 7 a.m.

XEAT, 10260 kcs., broadcasts until 7:55 a.m. Call heard in English at 7 a.m.

XGOY, on 5950 kcs., has news in English at 4:30 a.m.

FFZ, on 12090 kcs., signs off promptly at 6 a.m. with "La Marseillaise." French is the language used.

XGOK, on 11,650 kcs., has been heard at 6 a.m. but signal strength is weak.

### French Indo-China

"Radio Saigon," on 11780 kcs., still comes in very well 7:30-8 a.m. and 9-9:15 a.m.

### Hong Kong

ZBW3, 9525 kcs., relays BBC news at 5 a.m., 6 a.m., and 7 a.m. Signal is very good.

### India

VUD-2 on 9590 kcs. is heard in the Eastern states from 7:30-7:35 a.m. weak signals, and also reported by Aton Caldwell (Mass.) at 12:30 a.m.

VUD-2 on 7290 kcs. and VUB-2 on 7240 kcs. have been reported by Roger Legge (N.Y.) at 6:30 a.m.

VUD4, 11830 kcs., was heard with remarkably good strength the last of August from 7:45-8:45 a.m. News in English at 7:50 a.m. and BBC relay at 8 a.m.

### Japan

JLU-4 on 17795 kcs. is being heard from 8-8:20 p.m. with news in English featured. JLG-4 on 15105 kcs. also carries this program, but is not always heard.

JVW-3 on 11725 kcs. has been heard in New England in the morning with programs to the South Seas. Signals are sometimes good from 9-9-30 a.m.

JZJ-3 on 11800 kcs. and JVZ on 11815 kcs. have been reported mornings with oriental programs. Both have excellent signals. Program 6:30-9:30 a.m. . . . JZJ is also heard in Northeast on their 2-5:30 p.m. trans-

Unidentified station on 11740 kcs. from 6:30-9:30 a.m. in parallel with JZJ reported by Roger Legge (N.Y.).

JLU-4, on 11795 kcs., has been heard on the 10:30 p.m. broadcast to Hawaii. They have also been heard at 4 p.m. on a broadcast to South America.

JVA, Tokyo, heard calling KEM, San Francisco, on 18910 kcs. for the news from Japan at CSBE p.m. Signal was R.9

JVW3, 11725 kcs., was heard with news in English at ESCJ a.m.

### Java

YDC on 15150 kcs. has been reported in the Eastern and Southern states from 7:30-9:30 a.m., though the signal strength is not very high.

PLE, Bandoeng, working KEM, San Francisco, on 18830 kcs. with news from Singapore at 3:35 p.m.

PMN, Batavia, was heard relaying the NBC world round table on 19345 kcs. around 3:30 p.m.

YDB, Soerabaja, 15,315 kcs., was heard at 10 a.m. with good signal strength.

PLG, 15950 kcs., Bandoeng, has a special transmission to the U.S.A. at 5 a.m.

YDR, 4470 kcs., Tandjonprick, using one kilowatt, has been heard 5:30-7 a.m.

PMY, 5140 kcs., was logged between 5:30 and 6:30 a.m.

### Macao

CRY9 on 6085 kcs. at Macao is broadcasting daily from 7-8:30 a.m. in English and Portuguese, using four chimes as interval signal. Roger Legge is credited for this one.

CRY9, on 6080 kcs., can be heard 3:45-5 a.m. with good signals.

### Manchukuo

MTCY on 9545 kcs. operate from 11:30 p.m. to 12:20 a.m., according to a verification received from them by L. N. Stracener (La.). The address is: Shortwave System, Hsinking Central Broadcasting Station, Manchuria Telephone and Telegraph Co., Ltd., Hsinking, Manchukuo. Power is 20,000 watts.

MTCY on 11780 kcs. is being heard with an English program 7:50-8:30 a.m., and then with an oriental program until sign off at 9:30 a.m. Six to eight gongs make up the identification signal. Francis Fellers (Mass.) reports severe QRM from Saigon on this broadcast. Also on from 12:30-1:20 a.m.

MTCY on 15300 kcs. was heard testing with English program and swing records from 3-3:50 p.m. by Steve Mann (Ohio).

### Philippine Islands

\*\*\*\*KZND is now permanently on 8710 kcs., and announces as he "Voice

of the Commonwealth" says Radexer Laperal, of Manila.

### Sarawak

VQF on 6895 kcs. in Kuching has English programs on Friday at 7:40 p.m. (Tune in Magazine—N.Z.)

### Sumatra

YDX, 7220 kcs., located in Medan, has good signals around 1 a.m.

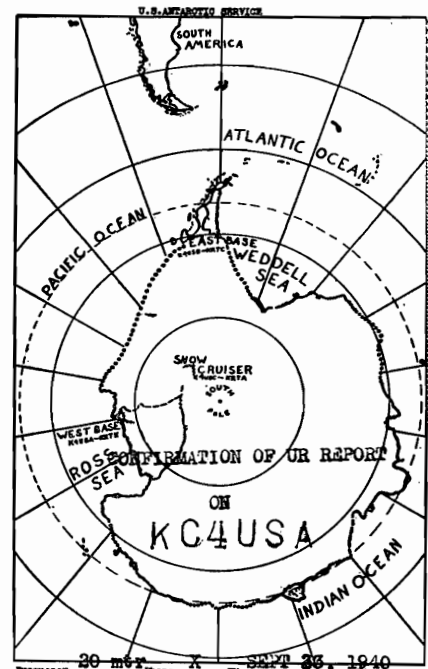
### Straits Settlements

ZPH1, 9690 kcs., heard often signing off at 7:30 a.m. (????)

ZHP2, 6175 kcs. heard closing at 6:40 a.m. with fair signal strength.

### Syria

"Radio Beirut" in Levant on 12490 kcs. was believed heard by Charlie Nyquist (while 300 miles East of Jacksonville) at 6:42 p.m. playing ori-



Frequency 20 m.p. 30 m.p. MAY - 8 1941

No very attractive, but very desirable, ye a man! card is Jake Fields.

ental music. Announcer spoke Spanish and was heard to say "Hora Syria Palestina." At the 7 p.m. the announcer — again in Spanish — said "Radio Beirut presents a program of European music." Music lasted until 7:15 when there was a speech in Spanish.

#### **Taiwan**

*JFO, on 9630 kcs., comes in fine at 5 a.m.*

#### **Thailand**

*HSP5, on 11720 kcs., now signs off earlier than before—around 6 a.m. Signal usually weak.*

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## **EUROPE**

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#### **Azores**

Ponta Delgada on 14400 kcs. is heard regularly from 2-3 p.m. by Steve Mann (Ohio).

#### **Canary Islands**

EAJ43 on approximately 15150 kcs. was heard once by Joseph Schwartz (N.Y.) at 5:30 p.m., broadcasting to South America.

#### **Denmark**

*"Radio Danemark," 9710 kcs., opens nightly at 9:30 p.m. announcing "Long Live the King, long live Denmark., They open and close with a march, presumably the National Anthem.*

#### **Eire**

*Eugene Allen of Berkeley, California, has the fine catch of EIRE on 17840 kcs., heard at 10:15 a.m.*

*Later report from Larry Yarnes states hearing them at exactly the same time!*

#### **Finland**

\*\*\*\*The Finnish Shortwave stations received an avalanche of reports this month, after inauguration of a new North American news service. The Finnish information center quotes a report from Radexer LeRoy Waite in their news release.

-Official list of Finnish stations:

- Helsinki on 6200 kcs.
- OFD Lahti on 9500 kcs.
- OFE Lahti on 11777 kcs.
- OIE Lahti on 11188 kcs.
- OIH Lahti on 17800 kcs.
- OII Lahti on 21550 kcs.

OIE, OFE, and OFD carry news in English for Europe at 2:50 a.m.

OIE, OFE, OFD, OIH, and Helsinki have English news at 7:30 a.m. for Europe.

OIE, OFE, and OFD have news in English for Europe at 2:15 p.m.

OFE and OIE carry the English news for NORTH AMERICA at 3:50 p.m. and same stations carry the evening news for this country at 7:55 p.m.

OIE, OFE, OFD, and OIH carry the European news transmission at 6:15 p.m.

**Summary of Reports:** OFE is by far the better station on the North American broadcasts . . . OIE is best during the early part of the afternoon, and after that OFE is the standard right through the evening. OFD can be heard in the evening, but is behind XEWW. Reports are requested sent via the Finnish legation in Washington. Then they will evidently be forwarded to Finland by diplomatic pouch—immune from the British mail seizure policy!

*OFD, 9500 kcs., comes through after XEWW signs off. Signal strength is fair, being best around 10:30 pm.*

#### **France**

There is a new set-up in the French broadcastin gsystem. Stations are now located in Vichy, and no longer use the Radio Nationale Francaise slogan. They are now called "Radio D.N., Vichy" and use the solgan "Ici Lo Voix de France" (Voice of France). When these transmitters are used for German transmissions, the stations seem to be known as "Y."

15240 kcs. is on the air from 11:15 to 11:30 p.m. and is heard very easily.

9520 kcs. usually heard relaying German programs in the evening.

These are the three stations reported heard during the past month. A new feature is the playing of "La Marseillaise" at the end of the transmission.

*Y, 11845 kc., puts in a fair signal around 4:30 p.m. on the West Coast. Also heard around 9:30 p.m.*



*A French freedom station is heard on approximately 9750 kc.*

### Great Britain

Official schedule of B.B.C. broadcasts for the United States:

On GSC (9580 kcs.) and GSD (11750 kcs.) from 5:45 p.m. to 11:15 p.m. Popular programs with the fans are "Democracy Marches" at 7:45 p.m., "News" at 8 p.m., "Listening Post" at 8:10 p.m., and "Headline News and Views" at 9 p.m.



**Mert Meade's QSL! Silver on black.**

GRX on 9690 kcs. carries the BBC's nightly South American transmission from 5-11:30 p.m. Signal is very good all over the U.S. Station operates in parallel with GSB on 9510 kcs., and GSN on 11820 kcs.

### Germany

DJA and DJB now carry an additional Lord Haw Haw program at 1:30 p.m.

..DJQ on 15180 kcs. has a news period in Portugese from 2:30-2:45 p.m. which is for Portugal, not Brazil.

Berlin's service to the U.S.A., according to Norman Kane, is now:

4:50-11p.m. on TPC or "Y" on 9520 kcs.—PARIS

4:50 p.m. to 1 a.m. on DXZ, 9570 kcs. in WARSAW

4:50 p.m. to 1 a.m. on DZD, 10543 kcs., ZEEZEN

4:50 p.m. to 11 p.m. on DJD, 117700 kcs., ZEEZEN

4:50 p.m. to 11 p.m. on DJB, 15200 kcs., ZEEZEN

DJP on 1185 kcs. does not broadcast regular South America program until 5:15 p.m., at conclusion of special daily 5 p.m. news in Spanish.

Berlin's service to South America is as follows:

4:50-10:45 p.m. on DJA, DJW, DJP (see note above on DJP).

9:15-10:45 p.m. on DZC and DZE. 4:50-8:50 p.m. to Brazil only on DZC, DZE, and DJQ (15280 kcs.)

After sign off DZC and DZE relay programs to Buenos Aires network, and at 9:15 relay Central American program until 10:45 p.m. sign off. DJQ does not return to the air after the sign off of the Brazilian program, but is used on broadcast to the far East which has news in English at 9 a.m.

DXB on 9610 kcs. is now broadcasting the evening program to South America in Spanish.

DXH2 in Warsaw is heard occasionally from 8:30-9:15 on home programs.

DXJ and DXZ are being used on the Lord Haw Haw 2:30 program in place of DJA and DJB. The new 1:30 p.m. transmission is still heard on DJB.

... DXJ (7240 kcs.) now carries evening program to North America ... This station (one of the most used German transmitters) is also used on the afternoon program to Africa.

DXM on 7270 kcs. can be heard mornings in English giving schedule of program for succeeding days.

DXP on 6030 kcs. operating for North America on the evening transmission along with several other stations.

DXZ on 7570 kcs. is now being heard on the evening program to North America as well as on the afternoon transmissions to Africa.

DZC on 10285 kcs. is being heard at 6:30 p.m. with program in German.

DZD on 10540 kcs. is heard until 1 a.m. on the North American transmission.

DZH on 14460 kcs. heard from 8:30-9 p.m. with program for North America.

Former ORK on 10330 kcs. and the former YUD on 9505 kcs. have both been heard testing by Norman Kane. These stations were heard from 7:30-8:30 p.m. with music and German station announcements. ORK was heard well with considerable QSB, while YUD was well received with some QRM from GSB, and slight QRM from XEWW. My, isn't 9505 a busy little frequency!

An Anti-Nazi, Anti-Jewish, and Anti-Communist station heard on 9548 kcs. announcing as "Gustav Siegfried Eins." The station comes on the air seven minutes before every hour with programs that last five minutes—throughout the late afternoon and evening. As yet it has not been determined whether the station is pro anything!

Other German mystery stations on 6140 kcs. (8:1018:30 p.m.), on 10900 kcs., at 9 p.m., and on 11740 kcs. in the afternoon.

*DJR, 15340 kc., was heard relaying German broadcasts after 10:00 a.m.*

*DZE on 12130 kc. is heard quite frequently here on the Coast.*

### Hungary

HAT4 on 9125 kcs. has a new identification signal. Preceding the transmission each evening, the call letters "H-A-T" are repeated over and over until 2-3 minutes preceding 7:30 p.m. sign-on. Then a series of repetitions of a fast tempo piano tune are played up to the start of the National anthem at the beginning of the program.

*HAT-4 is heard with weak signals at 5:48 p.m. with news in English read by a man. They come on the air at 4:30 p.m.*

### Italy

"Radio Italia" on 11900 kcs. is still being heard regularly, though its programs are badly jammed!

IQH on 14736 kcs. and IQA on 14795 kcs. were heard by Alton Caldwell (Mass.) with setting up exercises at 10:40 p.m.

\*\*\*\*ICEJ—or a station thought to be ICEJ on 17225 kcs. transmitting in Italian with names being read and spelled out. Italian towns and cities are used to identify the letters in the names.

American hour in the evening includes I2RO-9 (9670 kcs.), I2RO-4 (11810 kcs.), and I2RO-6 (15300 kcs.). I2RO-3 (9630 kcs.) is also used on this transmission, but announcements do not mention it. The American Hour starts at 8 p.m. and continues until 11 p.m. These stations can be heard previous to this time broadcasting in Spanish for South America, and at 11:30 I2RO-3 carry a program for Western United States, New Zealand, Canada, and Australia.

I2RO-6 on 15300 kcs. comes on the air at 3:05 p.m. with the familiar identification signal of birds chirping.

I2RO-9 on 9670 kcs. has a program in European languages afternoons until 6 p.m., and has also been reported between 11 p.m. and midnight.

I2RO-15 on 11760 kcs. comes on the air at 5:10 p.m.

I2RO-18 on 9760 kcs. operates from 8-11 p.m., and is heard best around 8:30 p.m. Signal is very strong.

*2RO8 (17.82) has been logged with fair signals on their 9:00-10:30 a.m. broadcast to North America.*

### Norway

LLH on 9645 kcs. at Oslo is heard well all over the Eastern states on the 8:45-1 p.m. broadcast to America. A music box tune is used as station identification.

DXC2 on 11737 kcs. at Lamberster now carries the entire Berlin transmission to Africa until 4:30 p.m. daily.

### Netherlands

*PCJ on 15220 kc. is best heard 1:00-1:40 p.m.*

### Sweden

Official schedule of Swedish Short-wave stations as forwarded to us by Charlie Nyquist:

SBP on 11705 kcs. with 12,000 watts is on from 1:45-2:15 a.m., and 8-9 on Sunday.

SBT on 15155 kcs. with 10,000 watts is on from 6-7 a.m., 1- 4:15 p.m., and from 8-9 p.m. on weekdays. Sunday schedule is from 3 a.m. to 4:15 p.m., and 8-9 p.m.

SBU on 9533 kcs. with 12,000 watts is on from 4:20-4:35 p.m. daily.

SBO on 6065 kcs. with 12,000 watts is on from 4:20-4:35 daily.

*SBP, 11705 kc., is very poorly heard on their North American broadcast, 5:00-6:00 p.m.*

### Switzerland

"Since inaugurating their own stations," relates Norman (can't stay in one place) Kane, "the Swiss have changed their identification signal from a piano tune to a chime which is very pretty." The Monday and Wednesday South American program is on HER4 and HBO 5:45-7:15 p.m. The daily U.S. program is on HER4 and often on HBL from 7:45-9:15 p.m. HBL is QRM'd by OAX4J!

HER3 on 6165 kcs. is now being heard better with its daily 11:20-12:40 a.m. transmission—which might possibly be for the West Coast, though it is heard very well in the East.

*HER4 on 9535 kc. is being received with strong signals from 5:00-6:15 p.m. News in English is given at 5:00 p.m. A lady closes with the following announcement at 6:15 p.m.: "This is Switzerland calling in the overseas service of the Swiss Broadcasting Corporation."*

### Slovakia

"Radio Bratislavia" on 9525 kcs. is now transmitting several times a week on 9525 kcs. It is now operating on Monday, Wednesday, Friday, and Saturday from 6-7 p.m. with programs in English and Slav. The Slovakian Anthem is used at the sign off. Identification signal is a nine note piano chord tune, played over and over. Take a bow for this, Norman Kane.

*Bratislavia has been heard relaying German broadcasts on 9525 kc. at 5:20 p.m.*

### Spain

"Radio Falange" on 7100 kcs. is heard around 5 p.m.

EAJ22 on 7140 kcs. in Oviedo is the station heard by Eugene Gross operating with news bulletins in English from 3-5 p.m. This from Charles Watts.

EAO hasn't been heard for some time except for code transmissions. Your editor can remember years ago when EAQ was the only reliable European station heard in America!

### U. S. S. R.

\*\*\*\*Russia brought by far the most reports from listeners this month. There are a whole flock of new stations some of which have been identified, others partly identified, and still more remain a mystery. Norman Kane and Francis Fellers supplied the most useful data these stations.

\*\*\*\*A station on 9645 kcs., announcing as the "Station of the European Revolution," and broadcasting anti-Nazi talks in German is on the air at midnight, 7 p.m., 2 p.m., 4 p.m., and 6 p.m. Transmissions last from 13-14 minutes. Signal is good. "Achtung! Achtung! Hier ist der Sender Europaischen Revolution!" is the opening announcement used by the station. The station is evidently in Russia, and suffers some QRM from DJW.

We will attempt to tabulate the new and regular USSR stations by the bands in which they are heard operating:

#### 9,000 kcs. band

9520 kcs.—RV96 is the station QRMing "Y" evenings, especially when the latter signs on. This program is meant for Europe and announcements are made by a man with a British accent.

9565 kcs.—"Radio Khabarovsk" at Khabarovsk is well heard up to its 7 p.m. sign off. This station messes up VLW-2 in the morning while it is on from 6-7 a.m.

9610 kcs.—RW99 is the call of this station at Inkutsk! This station is heard weakly in the morning until 11 a.m.

#### 11,000 kcs. band

11560 kcs. Station heard with poor quality from 3-4 p.m. with music and female announcers.

11670 kcs.—Unknown station operating in parallel with a flock of other USSR stations on this band at 10-11:30 p.m. or later. All of these stations have very poor quality.

11690 kcs.—See 11670 kcs.

11710 kcs.—NEW station heard with good signals from 3-3:20 p.m. Both male and female announcers used.

11760 kcs.—NEW station with good quality and strong signals heard from 10:30 a.m. to noon. Also used both male and female announcer.

11820 kcs.—See 11670 kcs.

11840 kcs.—See 11670 kcs.

11960 kcs.—NEW station heard from 3-4 p.m. with very poor quality.

11980 kcs.—See 11670 kcs.

#### 12,000 kcs. band

12210 kcs.—NEW station being heard on European program until 11 p.m. Program appears to be the same as the 15276 station.

#### 15,000 kcs. band

15110 kcs.—NEW unidentified station relaying evening program to the United States, starting at 6 p.m. Signal is fair with some QRM from JLG4.

15180 kcs.—RV96 has transmissions in English for this country at 8 a.m., 10 a.m., 6 p.m., 7:30 p.m., 9:30 p.m. . . . The first three are fifty minute transmissions. The 8 a.m. service is QRM'd by GSO. RV96 also operates the day for Europe, and throughout the evening in various languages for North America. Station has also been heard with additional news periods at 11 a.m. and 12:30 p.m.

15210 kcs.—RV96 on this channel used only occasionally now in the afternoons.

15230 kcs.—NEW station of unknown call letters relaying the 6 p.m. and sometimes the later programs to North America. Signal is weak.

15242 kcs.—NEW station, unidentified, broadcasting the European pro-

gram all day until 3 p.m. Heard with weak signal.

15265 kcs.—NEW station, call unknown, on the European program. This station QRM's GSI and has a fair signal.

15276 kcs.—NEW station operating signal. This station uses the chime nightly until 10 p.m. with very good tune identification.

15287 kcs.—NEW station heard with very good signal—the best signal on the afternoon European program. No QRM.

15295 kcs.—NEW station heard on a Sunday morning at 10 a.m. with church music. This station is not definitely identified as a Soviet transmitter!

15310 kcs.—RW97 is the call of this one and it is in Novosibirsk! This is the only station which is completely identified of those which are broadcasting the afternoon European program until 4 p.m. These stations on 15242, 15265, 15287, 15310, and 15427 kcs. are all using an identification signal of one long and four short pips in cw—repeated over and over. The identification is usually heard at 1:50 and 2:20 p.m. RW97 has a good signal, but not as good as 15287 kcs. GSP causes QRM.

15427 kcs.—NEW station heard on the afternoon European program with the second best signal in this group of stations.

15410 kcs.—RV96 on this frequency is NEW. This station relays the late morning and early afternoon transmissions of RV96 on 15180 kcs. It is not quite so well received as the latter station.

16200 kcs.—Unidentified station being heard here and reported last month is still being heard, but not identified. Station is usually active on Sunday from 10:30-11 a.m.

*RV96 on 15180 kc. was heard on a new transmission from 6:00-7:10 p.m., with news in English presented at 6:30 p.m. A new Russian on 17905 kc. has been heard at 10:40 a.m. New Russians also*

heard on 6100, 6150, and 6210 kc. between 1:30 and 2:00 a.m.  
 New Russian on 15110 kc. heard at 3:40 p.m. with news in English and also 6:00-7:00 p.m.  
 RV96, 15180 kc., heard at 4:00 p.m. in parallel with a station believed to be RKI on 15040 kc.  
 RV96, 9520 kc., was heard with fair signals at 2:00 a.m.  
 RKD, 9500 kc., Moscow, has news in English at noon.  
 "Radio Moscow" heard in parallel on 15230 kc. and 15110 kc. at noon.  
 Another new Russian on 13220 kc. has been heard in parallel.  
 RV—, 9565 kc., Khabarovsk, and another Soviet station on 9545 kc. are heard all night long.  
 RV— on 4273 kc. is heard well mornings until 6:30 a.m.  
 Russian stations have been heard on 7200 kc. and 5720 kc., at 12:45 a.m. and 1:12 a.m., respectively.

## NO. AMERICA

### Barbados

\*\*\*Bridgeton station on 3920 kcs. (Gov't owned) is reported as operating daily from 5:15-6 p.m. with news bulletins, talks, and music. Credited Steve Mann for this scoopie!

### Bahama Islands

ZNS on 690 kcs. with 200 watts operate from 8-8:15 a.m., and from 1-1:15 p.m., as well as from 6-9 p.m. This is an official schedule sent to us by Joseph Schwartz.

ZNS2 on 6090 kc. can be heard 5:00-5:30 p.m.

### Canada

CFVJ on 6030 kcs., in Calgary, Alberta is on the air from 10:30-11:30 p.m. They are heard (Lannon-Wash.) but badly QRM'd.

CKWX on 6010 kcs. in Vancouver is the new station causing all the trouble on that frequency, according to Corporal Lannon. They are on from 10:15-11:30 p.m.

CBFY, 11705 kc. has the loudest signals of the North American stations heard in

New Zealand. Power seems to be 50,000 watts instead of 7,500.

CKFX, 6080 kc., has a fine signal around 6:00 a.m. They come on the air at 5:30 a.m.

### Costa Rica

TIX and TIGPH have shifted to 5905 kcs.

TIGPH, thinks Norman Kane has moved—or CXA-6 has shifted. Norm prefers to believe the former and thinks the new frequency is about 9623 kcs.

TI4NRH on assorted frequencies has been the most frequently reported Costa Rican. However the latest change seems to put the station on 9715 kcs. They are on the air from 11 p.m. to midnight on Tues., Thurs., and Sat.

TIX, San Jose, 590 kc., opens at 4:10 a.m. with a Sousa March.

TIPG heard signing off in English at 9:00 p.m. on Sunday, though they usually sign off at 8:30 p.m.



Much talked-of souvenir license plate sent by COK to listeners. Plate is green on white and can be used on your car.

### Cuba

COCQ on 9532 kcs. a new spot for them. According to Art Hankins (Pa.) they are so close to VPD-2 that they QRM the latter. As this station was in parallel with 6375 kcs., the 8830 kcs. station must have shifted.

### Dominican Republic

\*\*\*HI9T on 6674 kcs., "Broadcasting Tropical," is a new station in Puerto Plata operating from 10:40

a.m. to 2:10 p.m. and from 4:40 p.m. to 10:40 p.m. Address Senor Banario Colon, Long Beach, Puerto, Plata. This station is a new call and frequency for the former HI5P on 6565 kcs., which is no more. Radexers Nyquist and Legge report this station, with the latter reporting the station as actually using 6555 kcs.

*HI2G on 9295 kc. are best heard from 5:30 until sign-off at 6:40 p.m.*

### Guatemala

TGWA on 15170 kcs. now broadcasts from 12:45 p.m. until 2 p.m., having cut one hour off the afternoon schedule.

TGWA on 9685 kcs. remains on same schedule from 10-11:45 p.m.

*TGQA on 6410 kc is heard nightly 9:00-10: p.m. broadcasting marimba music.*

### Haiti

*Signals of HH3W on 10135 kc are weak, but clear. Veri is very attractive—buff colored card printed in silver, gold, and red.*

### Honduras

*HRN on 5875 kc is heard with fair signals. News is given in Spanish at 6:15 p.m.*

### Iceland

\*\*\*TFJ on 12235 kcs. at Reykjavik is on the air again. Norman Whiton (Mass.) reports this station as broadcasting regularly on Sunday afternoons, and occasionally relaying news to NBC at 7:15 p.m. on Sunday evening.

### Mexico

XEWQ on 9620 kcs. is reported broadcasting evenings regularly. Station is in Mexico City.

XEUZ on 6117 kcs. is being heard very well every night throughout the country. Their signal can be heard until long after midnight.

XEXA on 6180 kcs. can be heard nightly until 1 a.m. Special English program on Saturday—9-9:30 p.m.

*XEYU on 9610 kc. puts in a strong signal daily.*

### Nicaragua

*YN2FT is heard fairly well on 7490 kc.*

*YNIGG, Managua, signs off at 8:00 p.m. on 6540 kc.*

*YNOW on 6850 kc. comes in weakly in the evenings around 7:00 p.m. from 5:00-7:00 p.m.*

### Panama

HP5K on 6005 kcs., in Colon, reports Ken Brown, has an English program every Saturday and Sunday night from 10:30 p.m. to midnight.

### Salvador

\*\*\*\*YSR on 6530 kcs. is a NEW station reported by Roger Legge. The station, known as "La Voz del Salvador," is heard in the evening.

### U. S. A.

NMB on 2572 kcs. at Cleveland was heard with coast guard weather report at 11:30 p.m. by Frank Coryell.

WQW on 13600 kcs. was heard relaying Kay Kyser to Rio de Janeiro.

KGZE on 2482 kcs., the San Antonio Police, was heard at 11 a.m. by Ralph Kastner.

WCBX on 6170 kcs. make their complete schedule announcements at sign off daily—11:55 p.m. The Star Spangled Banner is then heard.

WLWO sends a pamphlets 10 x 4 inches, in three folds, showing station pictures of transmitters and performers. If folded right it makes a nice card.

WNBI and WRCA have similar cards, the first in blue and white, and the latter in red and white.

*WVD, Seattle, was heard calling WKM on Arnet Island at 9:13 p.m. Frequency used was 9745 kc. Also heard calling WXH, Ketchikan, Alaska, at 3:00 p.m.*

*WRCA on 17780 kcs. is heard at noon. Verified for Gerald Stoneman in French.*

*KWY on 10670 kcs., at San Francisco, was heard 3:30-3:40 a.m.*

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## OCEANIA

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### Australia

\*\*\*\* VLG-5 on 11880 kcs. is the new and widely reported Australian station this month. The station is using 19 kw., is located in Melbourne and carried the North American

broadcast from 6:15-7:05 a.m. daily. From all parts of the country come reports that signal is R-9 and then some! However, as we write this VLG-5 has been replaced by:

VLG-2 on 9540 kcs., another new station, though not quite so widely reported as its sister station, it has the same power. It is now operating from 7:15-8:05 a.m. because of the discontinuance of Daylight Saving Time

VLR-4 on 15235 kcs., it is expected, will be used on the program to the Eastern States. Listeners reporting to Sydney will receive from Los Angeles a magazine edited for American travelers in Australia. The Australian Publicity Association is sponsoring this service.

VLQ-5 on 9685 kcs. is operating in parallel with VLG-2 on the early morning program from 7:15-8:05 a.m.

VLG-6 on 15230 kcs. is reported with a program at 12:45 a.m.

VLG-6 is now the call of the ABC station on 15230 kcs., formerly VLR4.

VLG-6 and VLQ-2, 11870 kcs., are heard with strong signals on the transmission to the Pacific Coast at 10 p.m.

VLN-6, Sydney, was heard calling KWU for a circuit conversation at 10:40 p.m. on approximately 15350 kcs. KWU has many such contacts as this. When secret or important messages are sent, scrambled speech is used.

Also still heard 9-9:30 p.m.

#### **Fiji Islands**

VPD2, 9590 kcs., was heard signing off in English at 2 a.m. with a fair signal.

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## **SO. AMERICA**

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### **Argentina**

LRA-5 on 17830 kcs. has been reported broadcasting on Fridays at 4 p.m. in parallel with LRA-1 and LRA.

LSN-2 on 9890 kcs. is being heard with an evening program from 10-10:15 p.m. New is heard in Spanish. Program is not a regular daily feature, but is heard occasionally.

Tell your friends about The New Rad x

### **Bolivia**

CP-5 in reply to a detailed report sent a CP-38 card, with CP-38 typed in on the card. It is obvious that the staff of the station do not read English. This from Norman Kane, of the wandering Kanes!

CP43, 15165 kcs., heard with good volume signing off at 6:45 p.m.

CP38, La Paz, 9505 kcs., has a good signal on Sundays around 5:15 p.m., but is badly QRMed by XEWW.

### **Brazil**

PSH on 10220 kcs. is reported carrying the program of North America on Mon., Wed., and Sat. now, instead of only Mondays. Program is at 8 p.m.

### **Chile**

CB1180 should be on 11975 kcs., according to Art Hankins and Charlie Watts. They sign off at 11 p.m.

CB1180, 11975 kcs., is heard in the evenings. They QRM FZI, and are on after that station signs off at 8 p.m.

### **Ecuador**

HCJK is the new call for HC2AK and seems to leap around the lower end of the 9 mc. band—so thinks Norman Kane. They can be found anywhere from 9310 to 9430 kcs. with a fine signal with slightly rough quality.

HCJB is now offering an 8-color map of Ecuador to all reporters who include 10c in stamps.

HC2ET has strong signals nightly on 9190 kcs.

### **Peru**

OAX4Z on 6082 kcs. in Lima has a tourist program in English on Monday and Saturday nights at 10:30 p.m. The program consists of Peruvian music, talks about Peru, and other special features. "This is OAX4Z, Radio Nacional de Peru, speaking from Lima, the city of kings"—is the usual announcement.

OAX4J, 9340 kcs., verified with a very large card. OAX5C, 9440 kcs. is heard well, but QRMed by CW at times.

The QRA of the Lima stations is Edificio Minería, Casilla 1166, Lima.

(Please turn to page 79)

# Channel Chatter

By the Eastern and Western Editors

Standard broadcast news compiled from reader reports and other sources by your editors. Except on exclusive items sent in by only one reader, or on exceptional reception reports, names of readers are omitted. A full list of names who contributed to this and other sections will be found in FROM COAST TO COAST. Items in italics are given in Pacific Standard Time and are of particular interest to our Western Readers. Foreign DX is indicated by four stars\*\*\*\*!

540 kcs.

CBK which was formerly heard by Jim Wilburn of Louisville, hasn't been heard there in two months! . . .

570 kcs.

WKBN has a much clearer signal than formerly in Central states. . .

580 kcs.

CKCL in Toronto is heard very well in Cleveland during the evening hour. . . .

610 kcs.

WMUR recently had their studios open for public inspection. They are not on the air at time of going to press, but may be operating by the time our readers see this. . . KDAL is expected to be operating on this new frequency by October 15th.

*2FC, Sydney, Australia, was heard weakly at 1:45 a.m.*

620 kcs.

WAGE has been reported as announcing "Syracuse, N. Y." and is a Mutual outlet. . . WKAQ was heard testing at 4:00 a.m. with power of 1000 watts and of 5000 watts.

*Slogan of KGW is "Key to the Great West."*

630 kcs.

CFCO in Chatham, Ont., comes in all day long in Cleveland—about 85 miles away. . . YSS at San Salvador broadcasts exactly on 638 kcs., in parallel with YSM and YSD on the shortwaves.

*CJRC is no longer heard in Regina because CKCK, a local, is on 620 kc.*

650 kcs.

*1YA has been heard through WSM, after the latter signs on in the mornings.*

680 kcs.

WPTF and WLAW have become quite a jumble throughout most of the east since the former jumped to 50 kw. . .

690 kcs.

CBF and CMQ conduct a fight for supremacy on this channel throughout the Eastern and Central states. . .

*CMQ puts in a good signal in Central California every morning.*

700 kcs.

*VPB, Colombo, Ceylon, operates on 700 kcs. and closes at 8:30 a.m., after relaying the BBC news. Reported exclusively by Art Cushen of New Zealand.*

720 kcs.

*3YA was heard over-riding WGN in August.*

790 kcs.

WEAU is now operating on this frequency.

750 kcs.

WHEB was heard at 4:15 a.m. with a program of music and ads for mail order houses. Alt. Caldwell thinks that this is a regular program, and if it is, Western Radexers will have the opportunity to log New Hampshire. KXL will be on 750 kcs. with its 10 kw. when this is read. . . .

\*\*\*\* Mystery station reported by Bob Brown. Heard while trying for KGU. The mystery station sounded like a Mexican and was heard at 1 a.m.

820 kcs.

WOSU is now in operation on this new channel with 50000 watts power! . . . WAIT on this channel is the former WCBD. . . WOSU schedule



is from 9 a.m. to 7:30 p.m. and silent on Sunday. . . .

**850 kcs.**

\*\*\*2CY heard at 4:59 a.m. on JULY 14 by Jim Weaver (Ind.).

**870 kcs.**

WVW now has an excellent signal since CMCM is no longer raising hob on their channel.

JOAK2 broadcasts news in English at 5:25 a.m. and news in English at 5:40 a.m.

**900 kcs.**

CHML has changed its verification to a photo of the station. . . .

CKBI has a fair day time signal, but is invariably nil at night because of XEW.

**910 kcs.**

WFDF is heard very poorly in Indiana, while WCAR farther away is always good! . . . The increase in power of WFDF, however, increased the station's listeners by one million and its service area now includes Saginaw, Bay City, and Pontiac. . . .

**920 kcs.**

KFPY was heard on a Sunday morning test by Alton Caldwell of Mass. . . . WBAA conducted many tests in late August and early September with their new power of 5000 watts. R. R. Townsley signs the verifications. . . . WBBB was reported on equipment tests during the middle part of September. . . .



**KFEL veri card and membership in their 950 club. Black on green!**

**930 kcs.**

Radexers may be interested in the derivation of the call letters of

WSAZ. When the licensee received the construction permit he was asked what call letters he would prefer. He said it would probably be the worst station from A to Z, and asked that the call letters be assigned accordingly. Hence the call WSAZ, which means "Worst Station, A to Z!"

**960 kcs.**

CFAC reported heard in the East on a Sunday morning program. . . .

**970 kcs.**

WAAT is an all nighter on this frequency. . . .

**980 kcs.**

CMCK is heard very well at sign off at 1:00 a.m.

**990 kcs.**

XECL in Mexicali, Mexico sends a very beautiful card described by Elbert Tewell as havin ga picture of two women, one an American and the other, Mexican. Each lady holds the flag of her own nation. No return postage is needed, just a good report. . . . WIBG expects to be on the air with 10 kw. by Jan. 1, 1942!

CKY is no longer heard in Regina because local CJRM uses 980 kcs.

**1000 kcs.**

WINS is still operating limited hours, currently signing off between 7:30-8 p.m. . . .

**1010 kcs.**

CFCN is not heard very often in Eastern states. CBY is always good. . . . Best opportunity to log CFCN is after midnight on Saturday night.

**1020 kcs.**

KDKA heard giving KFVD plenty of interference on this channel in the early morning.

**1030 kcs.**

KOB has been heard under WBZ by Hal Hancock in New Jersey. . . .

**1050 kcs.**

XEG, says Bob Schilling, is marked with a "z" in the listing though they verify with a beautiful color postal showing their station and "Saddle Mountain" in the background. . . .

**1070 kcs.**

CBA puts in a very strong signal all over Eastern and Central United States. It was heard well, even in Summer months. . . .

**1100 kcs.**

6MD in Minding, Australia is a new station due on the air shortly, according to "Tune In" magazine. . . .

**1160 kcs.**

*KSL now puts in a fine signal in Regina.*

WWVA is reported to be an NBC affiliate instead of a CBS station. . . . WAPI operates from 6 a.m. to midnight daily and from 8 a.m. to midnight on Sunday.

**1190 kcs.**

**\*\*HJAN**, reported by Joe Lippincott (N. C.) as coming in good at 7 p.m. and still good at 9 p.m. There was some QRM! HJAN also reported in Indiana by Jim Weaver. The slogan of KEX is "The Voice of the Oregon Country."

**1200 kcs.**

*WOAI is steadily improving in signal in Canada.*

KuRC, "The Voice of Cebu," Cebu City, Philippines, signs off at 6:30 a.m. on 1200 kcs. Heard with good strength in Australia.

**1200 kcs.**

CHAB is the best heard of the early morning Canadians in the Central states. . . . The yare on until 2 a.m. A. E. Jacobsen is Chief Engineer, and signs the verifications.

**1230 kcs.**

WCED deserves our thanks! Thanks especially to David Jefferies, the Chief Engineer, for the plugs he has been giving RADEX on the broadcasts. WCED has never been assigned a Frequency checking period, but it does test once a month on the last Tuesday from 4-5 a.m. The next program is November 25th! WCED verifies for return postage—a 3c stamp. WITH, the all night station, is silent during the WCED broadcasts. . . . KWOS in Jefferson City, Mo. is on this frequency now with 250 watts. . . . WBOC is definitely on

this channel, not 1490 kcs., according to Bob Gilchrist.

**1240 kcs.**

KHBG has a neat folder in red and blue lettering for their verification. Chief Engineer is J. H. Smith, who signs the verifications. . . . CHLT is heard well at sign-off by Alton Caldwell (Mass.). . . . WOCB issues a card showing an air view of the transmitter.

*KFBC in Cheyenne was heard at 2:50 a.m. . . . KPFA veri is printed on sheet copper.*

CMKC was heard by Bob Koppleon (N. J.) still going strong at 3 a.m. . . . WTMA on its frequency check gave its power as 250 watts, though they are listed as 1000 watts.

*WCAE signs on at 2:30 a.m. with "America."*

**1270 kcs.**

KFJZ in Fort Worth, Tex., is a new all-nighter this season. Their verification letter has an artists drawing of a radio tower at night, colored in blue. . . .

**1280 kcs.**

WTOC is now signing on the air at 5:45 a.m. . . .

**1300 kcs.**

*L. E. Yarnes got a 45 minute report on 2TM, Yarmouth, N. S. W., in the middle of August this year!*

**1310 kcs.**

WISH is now on the air. Schedule is from 6 a.m. to midnight. . . . WISH is a member of the NBC blue network.

**1320 kcs.**

WNEL is reported by Alton Caldwell of Mass., as being heard as early as 6:05 p.m. . . . KDYL has just installed a new directional antenna and increased their power.

**1340 kcs.**

WGAA is now on the air, having completed their tests. . . . KHMO in Hannibal, Mo., was dedicated on August 27th and is now on the the air! . . . WFHR in Wisconsin Rapids, Wisc., came on the air late in August and verifications are by the Chief En-

gineer, G. N. Bowker. . . KROS, Clinton Iowa's new station started operating on September 28th. Station is on 6 a.m. to midnight daily except on Sunday when they operate from 8 a.m. to midnight. Slogan used is "Keep Right On Smiling." Morgan Sexton, manager, will appreciate reports of reception. . .

*KRJF in Miles City, Montana, has been heard testing with good strength.*

**1350 kcs.**

4GY is a new station in Gympie, Queensland, Australia.

**1380 kcs.**

CKPC is heard occasionally in the evening in Central states. . . . WTSP heard on their regular monthly test on the last Wednesday of the month from 4:15-4:30 a.m. . . KWK schedule as furnished by Harlie Smith, Jr.: 7 a.m., 1:30 a.m. except Sunday when they operate from 8 a.m. to 1:30 a.m. . . . WBNX is on from 9 a.m. to 6 p.m., and 7:30 p.m. to 2 a.m. . . WAWZ is from 6-7:30 p.m. WBNX has transmitter at Carlsadt, N. J. with directional antenna beamed at New York City. WAWZ is non-directional and 25 miles out of New York. WBNX, virtually cannot be heard in the big city (according to Bob Gilchrist) and WAWZ actually cannot be heard at all!

\*\*\*HJCJ is believed to be the Colombian heard by Jim Weaver (Ind.) from 10:10-10:30 p.m. over-riding KWK and WBNX.

**1390 kcs.**

WQBC in Vicksburg, Miss., verified in six months for Len Kruse! C. E. Drake, is Chief Engineer! . . .

**1400 kcs.**

WKMO is now on the air. . . . WSRR in Stamford, Conn., came on the air on September 18, according to Douglas Gerald. . . . WJLB on 1400 kcs. appears to be on until 1:30 a.m. . . . WINC is on the air as an NBC network affiliate. . . . KOBH's card, according to Chet Stedman, is the most attractive of all cards. It pictures the Mt. Rushmore Memorial

which has the heads of Washington and Lincoln carved in to the side of a mountain. Station motto is "The Call of the Black Hills."

**1410 kcs.**

*A TP, presumably 2KO, Newcastle, N. S. W., was heard making "hash" out of WALA's signal in the early morning.*

**1420 kcs.**

KABR is heard in the evenings now by Jim Weaver of Indiana. . . WWSR was heard on Sept. FCC check, so they are on the air!

*KUJ, Walla Walla, Wash., has veri stamp with the slogan, "The valley they liked so well they named it twice."*

**1430 kcs.**

6KY at Ingleford, W. A., Australia is a new station due on the air shortly, according to "Tune In" magazine. . . . WIRE is no longer a Mutual outlet.

**1440 kcs.**

KFJM is cutting broadcasting hours to two hours a day—3 to 5 p.m. local time. A new station, also in Grand Forks, N. Dak., will occupy the rest of the hours.

**1450 kcs.**

WCRS is the new call for WMDF Bill Gabriel reported WMDF on test and two weeks later got a veri headed WCRS! Fred Wamble is Chief Engineer at WCRS. The station is a member of the NBC-Red network and call stands for Western Carolina's Radio Station. . . . KRBC in Abilene, Tex., is in the clear on Sunday mornings for one half hour from 8:30-9 a.m. They verify promptly. . . . WNAB in Brdigeport, Conn., came on the air early in September. . . . KFMB in San Diego came on the air August 19. . . WMVA is on the air, signing on daily at 6 a.m. according to Bob Gilchrist. . . . WRLC is on the air.

**1470 kcs.**

CKGB is sometimes heard well over WMBD in central states. This station is on the air until 12:15 a.m. or later. . . .

**1480 kcs.**

. (Please turn to page 57)

# On The East Coast

By RAY LA ROCQUE

## BCB Report-O-Meter

1.—James Weaver .....	100%
2.—Bob Gilchrist .....	90%
3.—Alton Caldwell .....	55%
4.—Len Kruse .....	50%
5.—Bob Koppelon .....	30%

Honorable mention to: Chet Stedman, Harold Smith, and Frederick Kummer.

## SW Report-O-Meter

1.—Norman H. Kane .....	100%
2.—Francis Fellers .....	34%
3.—Stephen Mann .....	29%
4.—Jack Paulus .....	28%
5.—Roger Legge .....	25%

Honorable mention to: Ralph Kastner, Norman Whiton, Alton Caldwell, Art Hankins, and L. N. Stracener.

How Norman Kane manages to keep a top spot in our Report-O-Meter, and travel around the country the way he does it beyond us! But he does, and that satisfies us. Incidentally, our very good friend, Anne Tenna is keeping a running score of these listings as well as the Big Three listings in Mel Fisher's department in order to select a few official reporters for the RADEX Club at the end of the season.

## Suggestions

"What say about an article on identifying Spanish-speaking stations" asks Richard Crain. (You can look for one in the near future).

Joe Lippincott likes the Channel Chatter very much and wonders why the real DX, including foreign as well as low-power Mexican and Cuban stations, can't be listed separately. (We're marking these items with stars now, Joe, acting promptly on a very good suggestions—RL). Joe continues saying that he'd like to see the reports listed according to the time heard—but this is impossible in our present method as  $\frac{3}{4}$  of the items are strictly news and have no time mentioned! And the third of Joe's suggestions have included as

part of our forecast. He suggested listing the DX catches reported by Radexers last season.

Guy Price would like to see technical data on FM receivers and their comparison with AM receivers. (We wonder how many RADEXERS are interested in the technical side of radio?—RL)

Addison R. Niblack is another who is interested in seeing more technical articles in RADEX. He would like to see articles on new receiver designs, developments, and repairing!

Norman Maguire likes the idea of a monthly RADEX and likes Channel Chatter. He would like to see the states listed with each reporters' name used. (No sooner said than done—RL)

Joe and Al Kaiser would like information in our indices on whether the station verifies by card or letter, or station stamp!

Jake Field of San Diego complains that he can't make his log entries in ink on RADEX paper, because it smears! (Not any more, Jake—RL)

Harold Hancock would like to see FCC applications listed again, as well as information on directional antennas. Harold also says he would like to see a monthly RADEX. (Here'tis, Hal—RL)

Bill Cunningham would like to have us list the political divisions of Cuba and South American nations as we do the U. S. A., Canadian, and Mexican stations. All of the others countries have states and provinces, and in some cases the cities in distinct provinces have the same name. (A good idea. It will deserve plenty of consideration when we again change the type in our listing).

Richard B. Crain wants to see some

*(Please turn to page 37)*

# On The West Coast

By MELVIN FISHER

Readers living in the Mountain and Pacific Time Zones should address all their reports to Melvin Fisher, 1642 Harmon St., Berkeley, Calif. Use P.S.T. in your reports.

Competition for the Big Three holds the limeight this first issue, with interest running high and records falling by the wayside. First, for the first time since the inception of these monthly contests just a year ago this month, a Big Three champion was able to reach the top a second time. This unique honor goes to Gene Allen of Berkeley, who rang up a total of 149 points with his HALLICRAFTERS SX-28. Second place was hotly contested between George Hiss of West Hollywood, last month's champion, and Harry Johnson of Los Angeles, with the former coming out ahead, 88 points to 83. By placing second, George set another new record, having placed on the Big Three for four straight times. Also a record of some sort was set, in that all three winners were Californians, the first time this has occurred.

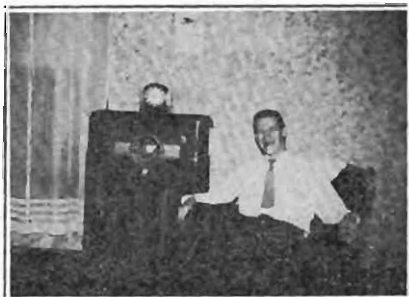
## THE BIG THREE

1. Eugene Allen ..... 149
2. George J. Hiss ..... 88
3. Harry H. Johnson ..... 83

## Consolation Division

4. Russell Cain ..... 43
5. Arthur Cushen ..... 37
6. Gerald Stoneman ..... 32

As stated before, points scored in competition for the Big Three are based upon news value and interest of the items. A report on a rare or new station, or a change in schedule or frequency, will count quite a bit more than one which just states hearing a commonly heard station on one of their regular broadcasts. We depend almost entirely on our reader reporters to keep us posted on the latest information of what's new in our hobby. Earn our gratitude, and make your reports more valuable, by having them contain real news. Let's make



Radexers, meet your Western Editor! Mel Fisher and his trusty receiver.

our slogan "First with the latest!"

We have all worked together to make our west coast column a permanent and useful feature of RADEX, and the editor wants every reader to feel that he is a part of that column. We will welcome suggestions or ideas of new features you would like incorporated into the column, because we all want it to be as interesting as possible. So, come one, come all, with your helpful suggestions and constructive criticisms, and, until next issue, good DX-ing and good luck!

## OUR READERS SAY

HAROLD SATTERTHWAITE, Los Angeles, Calif.,—"In the Sept.-Oct. issue of Radex in 1940, Eugene Francis wondered where else in this country could five broadcast transmitters be seen at one time. Well, it took some time but right here in Los Angeles we can equal that feat within the radius of one mile! There's the single masts of KFWB, KECA, and KFVD, and the double masts of KHJ and KFAC. Pity the poor DX fan

HARRY H. JOHNSON, Los Angeles, Calif.,—"Among my recent veries are CBFY, YSD, K45LA, HH3W, LRX, HP5G, COCM, Radio Martinique, JVZ, JLG4, COCY, VLW, VLQ, who lives in that beehive of harmonics and image frequencies . . . I never fail to get a copy of Radex. (Harold sends a nice SWL card, about 10 inches long in the shape of California, which came to so much expense he asks for an SWL card and ten post card views. Having received one of these unique souvenirs, yours truly can say it would be well worth the exchange.)

BYRON HARREL, Battle Ground, Wash.,—"Call letters assigned the new station in Tacoma are KTBI, owned by the Tacoma Broadcasters, Inc. . . . I started DX-ing in Dec., 1940, using a 1938, 6 tube Zenith. To date I have heard 192 stations with 29 veries on the BCB. I also swap SWL cards 100%."

FORREST L. WEBB, Salinas, Calif.,—"In regards to the new set-up in Radex, it looks pretty good to me . . . I am also in full favor of Tom Moss' idea for stationery, seals, and buttons for the Radex Club."

CHARLES BENEDICT, Pasadena, Calif.,—"CBS has just leased a site atop Mt. Wilson for an FM station. The station will have a fine range because of its height. Mt. Wilson is more than a mile high. The station will broadcast for sixty cities and Catalina Island."

R. A. HAYRE, Salem, Oregon,—"I now have 36 countries verified on shortwaves, and my two latest veries are XGOY and Radio Brazzaville."

NORMAN MAGUIRE, Albuquerque, N. M.,—"I'm back out here on the mesa now, and as soon as I get things working more smoothly I'll send in more reports. The Scott is sure working swell." (Glad to have you back with us, Norm.—Ed.)

L. E. YARNES, Wasco, Calif.,—"On the broadcast band I've heard the following new ones: WBAA, KUOA,

KPHO, and W--A; the new station in Cedartown, Georgia. Static was so bad I couldn't get the Call." Larry comes up with the first report of the season on TP's! On August 13th he heard 2TM, 3LO, 2BL, 1YA, 2FC, 3AR, and 2CY! (VFB,OM!—Ed.)

GERALD STONEMAN, Chilliwack, B. C.,—"I have put up another antenna, this time 200 ft. long, north and south in direction. It brings in some stations better than the old 200 ft. east and west one. I also found out why my results on 16 meters have been poor. I tried using a six foot antenna, and got quite a few stations I could not hear before."

EUGENE ALLEN, Berkeley, Calif.,—"Using a new Philco doublet with his SX-28, Gene heard the following in the early mornings in the late August: KSTP, WCCO, WLW, WWL, WWVA, WCAR, WCAU, WRVA, WHAS, WJR, WKCY, CMCY, CMQ, 1YA, 2YA, 3YA, 2CY, 3AR, 3LO, 2CO, 2NR, 2CR, 2KO, 2FC, 3GI, 4BC, 4QN, 4QS, JOIK, JOAK-1, JOAK-2, JOBK-2, and KGMB."

ARTHUR T. CUSHEN, Invercargill, N. Z.,—"Latest broadcast band loggings are VPB, Colombo, Ceylon, 700k/c, "Radio Mediteranne," France, KZRC, WBBM, KVOO, KSTP, KEAW, and WBT. New Australian changes: KGDM, KDYL, KLS, KMJ, KRE, 3CV, Charlton, Victoria, testing with 500 watts on 1470k/; a new station, 6KY, Ingleford, West Australia, is due on the air soon. 4GY, Gympie, Queensland, and 6MB, Meridan, West Australia, are also due on the air soon on 1350 k/c and 1100 k/c, respectively.

H. H. CROW, JR., Sacramento, Calif.,—"KEVE, 1460 k/c, Everett, Wash., KTNM, 1400 k/c, Riverside, Calif., are the stations to look for before the year is out, as well as KWRC, 1240 k/c, in Pendleton, Ore., and KARM is to change to 1430 k/c, KPQ to 560 k/r, KICA to 1240 k/c, KTKC KFUN, 1230 k/c, Las Vegas, N. M. to 940 k/c, and KFIO to 1230 k/c."

and TGWB."

AL BIRCH, Parkland, Wash.—"I have been DX-ing two years . . . my receiver is an 8 tube Majestic, model 90B. I am 17 years old."

#### CHATTER COLUMN

Gerald Stoneman, verified the last broadcast of VLQ-7 and the first one of VLQ-2, receiving a very nice letter from the ABC . . . Information from the N. Z. C.B.S. (Commercial Broadcasting Service) via Jack Fox of Dunedin, states that neither 2ZB, 3480 k/c, or 4ZB, 4300 k/c, will operate until after the war is over . . . Harold Satterthwaite says, "Radex is now in my 'Hall of Fame' for publishing Charlie Rogers' success at receiving a QSL card from Antartica. I followed his prescription and got a QSL

from KC4USA in two weeks. Reception was confirmed as it was post-marked U. S. S. Bear, Littel America." . . . Evidently many of the A.B.C. stations relay the BBC news at 3 a.m. . . . the Japanese stations are already showing up on the BCB for Larry Yarnes. He heard JOAK-1, JOIK aid JOAK-2 the last of August . . . Greetings to Joe Lippincott of Celo, N.C., the A-1 DXer formerly of East Vassalboro, Maine! Joe was married about a year ago and is just now returning to DX. Quite a long honeymoon, OM! Seriously, we're all glad to have Joe back and know the hobby will be the better for it . . . George Hiss has a new HALLICRAFTERS Sky Champion S2OR, and is tickled pink with it. VFB,OM!

#### LIST OF REPORTERS

RF	RF—Your West Coast Berkeley, Calif.
R21	R21, Sask.-1—Paul Sam Regina, Sask.
R63	R63—Norman Maquire Albuquerque, N.M.
R1213	H. H. Crow, Jr. . . . Sacramento, Calif .
R1245	Larry E. Yarnes . . . Wasco, Calif.
R1220	Arthur T. Cushen . . . Invercargill, N.Z.
R1829	Russell Cain . . . Reno, Calif.
R1871	Eugene S. Allen . . . Berkeley, Calif.
R1905	Forrest L. Webb . . . Salinas, Calif.
R1919	George J. Hiss . . . West Hollywood, Calif.
R1922	Harry H. Johnson . . . Los Angeles, Calif.
R2077	George Benedict . . . Altadena, Calif.
R2144	R. A. Hayre . . . Salem, Oregon
R2292	Gerald Stoneman . . . Chilliwack, B. C.
R2319	Byron Harrell . . . Battle Ground, Wash.
R2347	Geo. Deligianis . . . San Francisco, Calif.
R2383	Bob Sacry . . . Healdsburg, Calif.
R2464	Corp. Chas. E. Lannon Fort Lewis, Wash.
	Al Birch . . . Parkland, Wash.
	Jack Fox . . . Dunedin, N. Z.
	Joe Lippincott . . . Celo, N. C.
	Harold Satterthwaite
	. . . . . Los Angeles, Calif.

#### ON THE EAST COAST

sort of DX Forecast, more articles on DXing. Richard doesn't like Channel Chatter because it is too precise! He likes more personal notes on what the DXers are getting! (We expect to take care of the personal notes about DX activities very soon. Watch the RADEX Club column—RL).

Dr. Herman Bucher of New York City would like to see articles on how to tune and operate HALLICRAFTERS and other receivers to get the most out of them. The Doctor complains that booklets supplied by manufacturer are too technical for anyone

but a ham or service-man. (We think that the idea is a good one and we're sure that we would do an article like this if there was enough demand for it.—RL)

Pvt. Ed. Laudansky wants to see the names of each reporter listed again in Channel Chatter and Short-waves In Review sections. (We believe the reader is satisfied with the credit given him in this department here and the few mentions now made in the columns mentioned by Ed. Were we to list every name after each report, it would lengthen each article mentioned by a whole page—and

most of the names would be the same ones repeated over and over!—RL)

Arthur M. Hankins would like to see a station list like in the September, 1939 issue, where shortwave stations were listed by frequency with slogans, schedule, sign off tune, and addresses were listed. Art suggests that we make the addresses available in a supplement. (This will not be necessary. See our editorial in this issue for explanation. . . . Old RADEX list contained only most often heard stations. New list now contains, or will contain every known radio station!—RL)

Paul Sampson likes the Channel Chatter section, but would like to see DX programs listed separately by dates and time. (How do you like our new DX Calendar?—RL)

Lee D. Johnson wants to know how to tell whether time used in RADEX article is E.D.S.T., E.S.T., or P.S.T. (All time in RADEX is E.S.T. unless otherwise specified).

Bob Brown of Goshen, Indiana would like to see every DXer check his recent verifications for changes in station addresses and report them to RADEX so that we could publish a list of addresses at least once a year!! (Nobly spoken Bob—RL)

Your suggestions, and criticisms are the only means we have of knowing whether or not you like the features in RADEX.

#### **BCB Notes and Quotes**

After some inactivity, Chet Payfer writes that he is back again at the dials, having had his receiver equipped for headphones. Chet collects Science Fiction and Fantasy Fiction magazines and United States stamps.

The address of XEAC is desired by Pvt. Oliver E. Harmon, Fitzsimmons Gen. Hosp., Ward B2, Denver, Colo.

Kenneth Brown writes that RADEX was mentioned on the WCED broadcast of August 26th!

G. T. Barron of Philadelphia is a new member of the RADEX Club, but an old reader of RADEX, having

copies which date back to 1938. Radexer Barron first got the DX bug way back in '25 when he got his verification from CZE in Mexico City.

#### **SW Notes and Quotes**

Roger Crabil, W3JGJ writes to say thanks for the article on his station in the Ham Hounding column two issues ago.

A. L. Kempton of Harding, Mass., had given up hope on his KC4USA veri after waiting about a year for it. After reading about Charles Rogers getting his in RADEX, Radexer Kempton went down to the local Post Office and found his card waiting for him!

When WCBX signed off at 10:45 p.m. September 22 at Wayne, N. J., the crew of electricians and plumbers began dismantling wires and cooling systems, while other mechanics and technicians toiled over the heavier gear.

The transmitter weighing five tons and all equipment was moved via truck to the new location at Brentwood where everything was made ready for operation by 10 p.m. the next evening. The following morning, WCBX came on the air with its new four directional antenna which will operate on 6170 kcs., 9650 kcs., 11830 kcs., and 15270 kcs.

William (Bill) King, Jr., writes to say that he has taken our advice and dropped Alec Kinghorn a card at COK for verification. Bill is new as a DXer and is Radexer R2378!

#### **Our Thanks**

Below you will find a complete listing of RADEX Club members and other readers who have submitted reports to us since the last issue of RADEX. Our sincere thanks to each and every one of you. Of course you realize that we can select only the most interesting and up to the minute items for RADEX, and if yours was not used, why not try again? Special mention in one of our Meters awaits you if you can submit enough good reports to outclass your fellow reporters.



### Radex Reporters

- R7, Pa.-1: Arthur M. Hankins, Latrobe, Pa.  
 R21, Sask.1: Paul Sampson, Regina, Sask.  
 R36, Mich.1: Carl E. Silvester, Columbia-ville, Mich.  
 R615: Edward Shirley, Jamestown, N. Y.  
 R636: Norman Maguire, Albuquerque, N. Mex.  
 R739, Kans.5: Gerald Harris, Kansas City, Kans.  
 R793: H. V. Gribble, Minneapolis, Minn.  
 R839: Bill Cunningham, Hollywood, Calif.  
 R849: Kenneth Brown, Hyde Park, Mass.  
 R1088: Ralph Kastner, New Braunfels, Tex.  
 R1109: Joseph Schwartz, Bronx, New York City  
 R1231: Philippe Bates, Philadelphia, Pa.  
 R1273, Ga.5: John D. Long, Dalton, Ga.  
 R1319: Alton Caldwell, Brockton, Mass.  
 R1327: Guy Preece, Detroit, Mich.  
 R1397: James O. Weaver, Elkhart, Ind.  
 R1441: Chester Payer, Yale, Mich.  
 R1470: Jack Stephenson, Oklahoma City, Okla.  
 R1489: Willis Richardson, Painesville, Ohio  
 R1579: J. Gonclaves, Rio de Janeiro, Brazil  
 R1691: Hal Robie, Springfield, Mass.  
 R1702: Edgar E. Newman, Valley Stream, N. Y.  
 R1741: Harold A. Whittie, Mansfield, Mass.  
 R1843: L. N. Stracener, Baton Rouge, La.  
 R1857: Frederick Kummer, Cleveland, Ohio  
 R1879: Douglas Gerald, Staten Island, N. Y.  
 R1904: Billy Curry, Louisville, Ky.  
 R1905: Forrest Webb, Salinas, Calif.  
 R1906: Ivor Sutherland, Mill Valley, Calif.  
 R1910: Francis Fellers, Amherst, Mass.  
 R1978: Bernard F. Arnold, Akron, Ohio  
 R2003: Arnold F. Worme, Brooklyn, N. Y.  
 R2006: Buddy Giles, Wichita Falls, Tex.  
 R2036: Ed Laudansky, Fort Shafter, Hawaii  
 R2094: Dick Mertz, Akron, Ohio  
 R2102: Ed Slater, Albany, N. Y.  
 R2117: Ralph H. Edwards, Norristown, Pa.  
 R2145: Frank Caryell, Cleveland, Ohio  
 R2178: Don Weaver, Alton, Ill.  
 R2220: Lee D. oJhnsn, Portland, Me.  
 R2228: Francis Fellers, Amherst, Mass.  
 R2242: G. F. Barron, Philadelphia, Pa.  
 R2257: John B. Masaryk, Harvey, Ill.  
 R2288: Willie Saunders, Washington, D. C.  
 R2298: Charles E. Watts, West Plains, Mo.  
 R2311: Elbert Tewell, Findlay, Ohio.  
 R2322: Harry B. Graddock, Jr., Chicago, Ill.  
 R2327: W. R. Knotts, Pennsgrove, N. J.  
 R2328: Arthur Grant, Monroe, La.  
 R2336: E. B. Charlton, Baton Rouge, La.  
 R2347: George Deligianis, San Francisco, Calif.  
 R2353: Donald Staples, E. Bridgewater, Mass.  
 R2368: Benny Miller, Spring City, Tenn.  
 R2378: William King, Jr., Sewell, N. J.  
 R2397: Jack Heisey, Philadelphia, Pa.  
 R2406: Will Taylor, Knoxville, Tenn.  
 R2418: Charlie Nyquist, Charlestown, S. C.  
 R2421: James Eilburn, Louisville, Ky.  
 R2435: Bill Bross, Cincinnati, Ohio  
 R2439: Robert Schilling, Crown Point, Ind.  
 R2457: Henry Lullii, Astoria, N. Y.  
 R2457: Lethrop Mittenthal, Los Anegles, Calif.  
 R2462: Peter James McElroy, Baltimore, Md.  
 R2469: Eddie Duniyak, Phoenixville, Pa.  
 R2474: Warren Baker, Pensacola, Fla.  
 R2492: Ersal Janeway, Moore, Okla.  
 R2498: Bill Gabriel, Lakewood, Ohio  
 R2503: Roy Clemens, Hoboken, N. J.  
 R2512: Chuck Ward, Portland, Ore.  
 R2544: John Hisgen, Albany, N. Y.  
 R2546: Harle Smith, Fulton, Mo.  
 R2547: Mrs. T. H. Van Buren, Sturgis, Mich.  
 R2548: Bob Mc Arthur, Independence, Mo.  
 R2549: James Park, Hopkins, Minn.  
 R2550: Robert MacHale, Pittsburgh, Pa.  
 R2551: Len Kruse, Dubuque, Iowa  
 R2556: Bill Steward, Ottawa, Ont.  
 R2558: O. M. Baker, Ottawa, Ont.  
 R2559: Idaho 4: Ted Cady, Moscow, Idaho.  
 R2562: William Strong, Winona, Minn.  
 R2564: J. W. Waldron Newman, Jiffin, Ohio.

**The following are reporters who are either non-members of the RADEX Club or they have not shown their indicia (Membership number) plainly on their reports. We hope that by next month all reporters will be in the above classification!**

- Bob Gilchrist, New York, N. Y.  
 Bob Brown, Goshen, Ind.  
 Corp. Charles E. Lannon, Fort Lewis, Wash.  
 Erick R. Johnson, Wakefield Station, New York City.  
 Charlie Rogers, Delevan, N. Y.  
 Roger Grabill, Washington, D. C.  
 Clarence R. Hawes, Wrentham Mass.  
 Willis Richardson, Painesville, Ohio  
 Fred E. Delaney, Springfield Mass.  
 F. D. Whitney, Brattleboro Vt.  
 Jake Field, San Diego, Calif.  
 Al Pickering, West Medwav, Mass.  
 Julia Neilson, Baltimore, Md.  
 Jack Hamilton, Fort Worth, Tex.  
 Bill Davidson, Montgomery, Ala.  
 Ioe Lippincott, Colo., N. C.  
 Olivero Laneral Montita, P. I  
 Ovilva P. Andetta, Chicopee, Mass.  
 Eugene Gross, Eldora, Colo.  
 A. L. Kempton Harding, Mass.  
 Rav Dissinger, Lawrence, Mass.  
 Eugene Allen, Berkeley, Calif.  
 Ioe and Al Kaiser, Mahanoy City, Pa.  
 William Waldman, Asheville, N. C.  
 Charles Norton, Oakland, Calif.  
 Roy Woollacott, Rochester, N. Y.  
 Alberto H. Callejo, Mexico, D. F.  
 Lee Camp, Jr., Moosic, Pa.  
 Pvt. Oliver Harman, Denver, Colo.  
 A. E. Koivisto Hibbing, Minn.  
 Roger Legge, Binghampton, N. Y.  
 Dr. Herman Bucher, Bronx, N. Y.  
 Richard B. Crain, Weehawken, N. J.  
 Steve Mann, Hanover, N. H.  
 Harold Hancock, Endicott, N. Y.  
 Robert James, Miami, Ariz.  
 Harold Smith Jr., Fulton, Mo.  
 Jack Paulus, Mount Lebanon Pa.  
 Raymond Brown, Armenia, N. Dak.  
 Rob Koppelon, Newark, N. J.  
 Durward E. McCain, San Antonio, Tex.  
 Ioe Becker, Hamilton, Ohio.  
 W. R. Knotts, Pennsgrove, N. J.  
 Kerm Anderson, Detroit, Mich.

**You may join the RADEX Club by simply submitting your name and address to the RADEX Business Office.**

# Radex DX Forecast

For NOVEMBER, 1941

**EAST**  
(E.S.T. and C.S.T. Zones)

### Eastern Stand. Time

The DX Season can now be called "in full swing." After spasmodic periods of good DX which generally make up September and October, we now enter the season for real DX.

**Latin America:** Stations in these countries should be heard very well. Cubans, of course, will be all over the dial. Mexicans can be found in many spots after midnight, and many stations farther South can be logged from shortly after sundown until they sign off at 10 or 11 p.m. These stations are often found on split frequencies by those who have sharp-tuning receivers, or with good directional antennas they can sometimes be heard overriding many of our domestics.

### Best Bets

**HJAN** 8-11 p.m. Can be heard evenings  
1190 kcs.

over-riding WOWO in localities not too close to the Fort Wayne station. Occasionally has late program on Saturday night. One of the best heard SA's.

**TIPG** 7-10:30 p.m. This station is here  
625 kcs. every night, right plop in between

the 620 and 630 channels. Of course, if you're within the service area of one of the stations on these channels, your task is much more difficult.

**LRA** Around 3 a.m. For the past several  
750 kcs. seasons this station has tested

regularly for the U.S. Bureau of Standards two or three times a week. A series of five different pitched notes are used as interval signal when station is on the air.

**HJAH** Until about 3 a.m. on Sunday  
1080 kcs.

mornings. This Colombia station had a habit of remaining on the air very late Saturday nights last season, and may repeat this year. Watch for it.

**WEST**  
(M.S.T. and P.S.T. Zones)

### Pacific Stand. Time

West coast DXers should be enjoying very good DX in November. TP stations litter the dial during the early morning hours. For the convenience of everyone concerned Pacific Standard Time is used in the following predictions.

**Latin America:** Stations south-of-the border should be heard often and with good quality. Southwestern states find the Mexicans all over their dials in the evening hours, and in instances Cubans are strong all over the West. Other Latin American stations can sometimes be heard through locals during the early evening hours. A still smaller number may be heard when they come on the air around 2-3 a.m.

### Best Bets

**CMQ** Until 9 p.m. This station ought  
690 kcs.

to be heard well except in locations where XEAC is very strong. This ought to be the easiest Cuban. There are many others which could be logged.

**HJAN** From sunset until :30-8 p.m., this  
occasional good quality, except in the vicinity of KEX.

**LR-1** Sunset-9 p.m. If you're not too  
1070 kcs.

near the powerful KNX, this one may prove easy picking for you.

Latin American stations reported by Western readers last season were:

Argentina: YR1-1070 (1)  
Cuba: CMQ-690 (3), CMX-1010 (1), CMCD-620 (1), CMCY-590 (1).

Mexico: XEON-750 (1), XEAC-690 (1), XEL-1260 (1)

Panama: \*HOK-640 (1)  
Trans Pacific: This is the time to tune the TP's. They are at their best

### East (cont.)

A survey of the pages of RADEX shows that the following Latin American stations were reported by RADEX readers last season. Stations are listed first by countries, then in order according to the number of times they were reported.

Argentina: LRA-750 (2), LT-1 (1).

Brazil: PRE8-980 (1), PRA-4 (1)

Colombia: HJAN-1190 (3), HJAH-1080 (2), HJBJ-1140 (1), HJCZ-1040 (1).

Costa Rica: TIGP-625 (4), TIEP-825 (3), TILS\*-880 (1), TI4NRH-720 (1), TIEP2-1225 (1).

Cuba: CMQ-690 (8), CMX,1010 (5), CMCM-1060 (4), CMHQ-810 (4), CMHI-570 (3), CMKU-970 (2), CMOX-1490 (2), CMKN-930 (2), and CMZ-630, CMCK-980, CMBH-1540, CMBC-790, CMKG-1050, CMCF-910, CMBL-860, CMK-740, CMBX-1390, CMJN-740, CMW-550, CMBG-1330, CMC-1360—one each.

Ecuador: HC2AJ—(1).

Guatemala: TGW-1520 (3), and TGX-1400 (1).

Mexico: XEL-1260 (4); XEG-1050 (2); XEMO-860 (2), XEQ-940 (2), XEW-900 (2), XESM-1470 (2), XEH-1250 (2), XEM-1390 (1), XEFE-960 (1), XEAZ-1390 (1), XECL-990 (1), XEJP-1150 (1), XET-990 (1)

Panama: \*HOK-640 (2).

Peru: OAX4A-854 (1).

Uruguay: CX6-650 (1)

Venezuela: YVFRQ-885 (1)

**Trans-Atlantic:** European stations, or TA's, as they are affectionately called by DXers, offer a problem to your predictor this year. Ordinarily we would say that the season on TA's is now open, for November usually finds them making their presence known very often. This year conditions over there cause us to be very hesitant before we make any statements—but it we must, we must—so, with a crystal ball and crossed fingers, here goes!

### West (cont.)

right now. Australians may be heard from 2-3:30 a.m., New Zealand stations from 1-3:30 a.m. and the best chances to hear Japan are between 2-4 a.m. However, while the Down-under stations are best right now, Oriental stations will be more easily logged later in the season.

#### Best Bets

4QS 2:3:30 a.m. This is one of the 760 kcs.

best heard Australian stations, along with 3WV on 580 kcs. RW-30 Early morning hours. This is one 913 kcs.

of the very few U.S.S.R. stations ever heard in this country. No easy catch, but it has been logged in seasons past. 2-4 a.m.

JOAK-1 This is one of the super power 590 kcs.

Japanese stations which is reported quite often on the coast. There are many others which it is possible to log, but this is the best bet.

Trans-Pacific stations reported by Radexer in the west last season:

Australia: 4QS-760 (3), 3WV-580 (3), 2BL-740 (2), 3GI-830 (2), 4QG-800 (2), 4RK-910, 2CY-850, 3LO-770, 6WB-1070, 2MW-1470, 3VC-1470, 7NT-710, 2NR-700, 2FC-610, 2CO,670, 5CK-640, all one each.

Japan: JOAK1-590 (3), JOBK1-690 (1), JOCK1-730 (1), JOHK-770 (1), JOGK-790 (1), JOIK-810 (1), JBCK-850 (1), JOAK2-940 (1), JOBK2-940 (1), JOCK2-990 (1), JOLK-910 (1).

Hawaii: KGMB-590 (4), KGU-760 (1).

New Zealand: 1YA-650 (2), 4YA-790 (2), 2YC-840 (1), 2YA-570 (1), 3YA-720 (1).

U.S.S.R. RW30-913 (1)

**Trans-Atlantic:** There is very little possibility of TA reception in states West of the Mississippi at this time. This department will appreciate any reports of European stations being heard in any section of the Mountain or Pacific Time Zones. There were no TA's reported last season by western readers.

Of course our old timers know that there are two periods daily when TA's may be heard. The first is from shortly before sunset until about 5-6 p.m. TA's are loudest on this period, but QRM from domestic stations is a great barrier to hurdle for those without extremely selective receivers. The other period is from midnight or a little later, depending on the sign-on time of the station, until 2 or 3 a.m., when they fade out. Of course, TA reception runs in periods. There may be three or four good nights in a row, then a period when nothing at all is audible.

### Best Bets

Lyons 1-3 a.m. This station, the most 1395 kcsc.

consistant TA last season can very well be the best bet for this season. Of course this and other predictions on TA's are made without any knowledge of whether these stations are still broadcasting or not! "Radio Nacional Francaise" was the identifying announcement used. Other stations for which you may try are "Radio Toulouse on 915 kcsc., also on the air at 1 a.m., and "Toulouse-Pyrenees" on 775 kcsc.

London 12-3 a.m. "B.B.C. Home Service"

stations on 668 kcsc., 767 kcsc., 1050 kcsc., and 1149 kcsc., should be regular visitors to TA tuners this season all of them are usually heard well when conditions are good. They sometimes broadcast in German or Italian, and French.

The following TA's were reported by RADEX Readers last season:

France: "Radio Toulouse"-915 (2), "Radio Lyons"-1395 (2), Radio National Francaise-1321 (2), Toulouse-Pyrenees-775 (2), Bordeaux-1077 (1), and Lyons-648 (1).

Great Britain: 'BBC Home Service' on 668 (2), 767 (2), 1149 (1), and 1050 (1)

Germany: Hamburg-(1), Cologne-660 (1).

Norway: Vigra-629 (1), Stravenger-850 (1).

Netherlands: Jaarsveld-720 (1)

**Trans Pacific:** Down-under stations (Australia and New Zealand) should be at their peak during the early part of November, after which they will

The following TP's were reported by Radex Eastern readers last season:

Australia: 4QS-760, 3LO-770, 3GI-830, 6AM-980, 7NT-710.

New Zealand: 1YA-650 (2), 2YA-570 (1).

Hawaii: KGMB-590 (1), KHBC-1200 (1).

become increasingly difficult to hear as the mid-winter mark approaches. Of course, not too many TP's are heard in the East these days. Japanese and other Oriental stations this month. Formula for logging a should be eft to the west coast boys TP: Out of bed early, before dawn begins to break, warm up the set, search for a faint carrier and park on it until you get it or until a local booms a cheerless good-morning and drowns it out!

### Best Bets

1-YA 4-6:30 a.m. The New Zealand stations are usually the easiest of the 650 kcsc.

"Down-under stations to hear. 1YA is the most consistently reported in the East. Others to try are 2YA on 570 kcsc., and 4YA on 790 kcsc.

### BCB CALLS HEARD

If DXers who are hearing Foreign DX on the broadcast band will send us their lists of stations together with the time at which each station was heard, we will attempt to list these stations for other RADEXERS. Only stations which you are currently hearing should be listed.

### ATTENTION FOREIGN BCB DXERS!

If you will submit your complete list of calls heard from countries other than U. S. A., CANADA, CUBA, and MEXICO and the time you heard each station, we will attempt to tabulate these lists and print them monthly for the benefit of other DXers! Only stations which you are currently hearing should be listed. They need not be heard more than once.

# Calendar of DX Programs

## CLUB SPECIALS and REGULAR TESTS

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When reporting these programs RADEX Club members are urged to use the utmost care to make their reports interesting and informative. Ask for verification, but do not demand it. Tell the station that you saw their program LISTED IN RADEX. Tell them what the RADEX Club stands for and ask them to contact the club regarding our policy for better relationship between DXer and radio station.

If you add a new catch through the efforts of one of the clubs who have arranged the program, write a letter to that club thanking them for arranging it and ask for details on joining the organization!

### Specials

#### Saturday Morning, November 1st

3:00-4:00 am. YV5RI 590 kcs., Caracas, Venezuela—1000 w. (NR)  
(this program will be conducted every Saturday morning thereafter)

#### Tuesday Morning, November 11th

2:00-4:00 am. CKUA 580 kccs., Edmonton, Alberta (NNRC)  
2:00-4:00 am. CKNB 1240 kcs., Campbellton, N. B. (NNRC) may be on 950 kcs.  
4:00-5:00 am. KCCW 1400 kcs., Moncton, N. B. (NNRC)  
4:00-5:00 am. CWCW 1400 kcs., Moncton, N. B. (NNRC)  
4:00-5:00 am. SHLN 1450 kcs., Three Rivers, P. Q. (NNRC)  
Other Canadian stations may be on this morning for NNRC.

#### Wednesday Morning, November 12th

3:00-4:00 am. CKNX 920 kcs., Wingham, Ont. (NNRC)  
3:00-4:00 am. CHRC 1400 kcs., Quebec City, P. Q. (NNRC)  
4:30-5:00 am. CFRC 1490 kcs., Kingston, Ont. (NNRC)  
4:00-5:00 am. CKCO 1310 kcs., Ottawa, Ont. (NNRC)  
Other Canadian stations may be on this morning for NNRC.

#### Sunday Morning, November 23rd

2:00-3:00 am. WCOU 1240 kcs., Lewiston, Me. (GNSWLC)

Note: These are special programs arranged by the following clubs—NNRC is the Neward News Radio Club, NRC is the National Radio Club, and GNSWLC is the Grand National Short Wave Listeners Club.

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### CALLS HEARD

This favorite department of ham phone listeners will be revised next month if the readers send their lists of foreign calls heard to the RADEX Editorial offices and separate them according to the various ham bands!

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### LATE FLASH

CJIC—Saulte Ste. Marie, Ont. for NNRC on November 11 from 2:30 a.m.

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# Questions and Answers

Of, by, and for RADEX Readers

## Questions

Geo Deligianis, 42 Perry St., San Francisco, Calif: "Would very much like to know the mailing address of CKFX Vancouver, B.C."

E. D. Whitney, 96 Green St., Brattleboro, Vt.: "Can anyone tell me what station broadcasts time signals on about 3340 Kilocycles?" . . . A three second pause at two minutes past, and so on until five seconds before the hour or end of a five minute period. If this information helps locate the station I should be pleased to have you write me."

Jack Stephenson, 2721 N. W. 21 St., Okla City, Okla.: "I would appreciate someone telling me how to get cards out of XEWW, HIIN, TIX and TIGPH? . . . What is the call and QRA of the Paramaribo, Surinam station operating on a frequency of 11,500 from 5 to 7 p.m. CST?"

Frank Coryell, 2401 Country Rd, Cleveland, Ohio: "I received a Honolulu station relaying "Your Hit Parade" to New York. I did not get the call letters they operate around 12,000 kcs. I wonder if anyone could tell me who I heard?"

Benny Miller, Spring City, Tenn: "What is the correct power of WAPI on 1170 kcs. It is QRM'ed by WWA?"

James O. Weaver, 2317 Pleasant Plain Ave., Elkhart, Ind.: "I'd like to find out how the Sky rider Marine performs on the BCB. If any of the Radexers care to, they may write to me concerning this."

Jack Hamilton, 1613 Gambrell St., Fort Worth, Texas: "An unknown Russian stations in Moscow was heard on about 14250 kcs. The program was news in English from 9:30 to 10:00 p.m. EST. Every five minu-

tes the announcer said "This is Moscow identify these stations, 11.233 mc. at in Moscow."

Bill Davidson, 232 Montezuma Rd, Montgomery, Alabama: "Can any one tell me the call letters of a Spanish speaking station on 8110 kcs, about 8 p.m. EST?"

A Grant, 405 Hilton St., Monroe, La.: "Who is the Greek station heard between 10 and 11 Mcs. It was heard announcing as (phonetically) Rahdee yo lah Greeko Nashihnah. What is the address of it?"

Ovila P. Audette, 16 Grape St., Chicopee, Mass.: "Can some one give me some information on these stations: WMUR, Manchester, N.H., WEIM, Fitchburgh, Mass., and WMAW, Worcester, Mass. . . . Are WWNY, Watertown, N. Y. . . . WATN, Watertown, N. Y. and WSRR, Stamford, Conn. on the air yet?"

Billy Curry, Louisville, Ky.: "Wants to know if it is possible for one who listens to BCB and Short wave to verify amateurs. If it is, how should one go about it?"

Hal Robie, 188 Bristol St., Springfield, Mass.: "Can anyone give me some information XSG or IUL? They were heard in the neighborhood of 6,250 kcs. . . . and can anyone tell me whom to write for veries from these stations?"

Eugene Allen, Berkeley, Calif.: "Can anyone identify Oriental station on 6.99 broadcasting Oriental music, 4:30 to 5:00 A.M.?"

Roger Legge, 20 Beethoven St., Binghamton, N. Y.: "Can anyone identify these statoins, 11.233 mc. at 3:45 p.m. in Czech; 11.35 mc. at 1:40 p.m. in Polish; 11.60 mc. at 3:20 p.m. in Rumanian?"

Frank Coryell, 2041 Coventry Rd., Cleveland, Ohio.: "What station was head speaking Spanish on about 12,950 kcs, with an R4-5 signal . . . and what are the call letters of an Italian station broadcasting programs to North America at 10 p.m. EST. on about 14,400 kcs.?"

Atlon Caldwell, Jr., 69 Brett St., Brockton, Mass.: "What station heard on about 15,100 kcs. at 12:35 to 12:45 A.M. Friday morning. Interval signal, about 5 to 7 chords on the piano. Male and Female announcers and foreign language as well as English used?"

Kenneth Brown, 1119 Hyde Park Ave., Hyde Park, Mass.: "Rome was heard above COCQ could it be a harmonic, they announced it as the 35 meter band?"

G. T. Barron, 1517 Ruan St., Phila., Pa.: "Does the Moscow station on 16.150 kcs. have call letters?"

Chet Stedman, 19 Summer St., Westerly, R. I.: "I've noticed that the stations that had F. C. C. tests regularly before Reallocation seldom check now. Can anyone explain this?"

Jack M. Heisey, 31 N. Felton St., Philadelphia, Pa., Wants information of TFJ on 12235 kcs. Whether or not they they still operate and when and how to identify them.

Kenneth Brown, 1119 Hyde Park Ave., Hyde Park, Mass.: "I have been puzzled by a South or Central America Station broadcasting on 5550 kcs. It has been heard for two weeks but I can not identify it. Can someone tell me what this station is?"

Art Hankins, 1006 Ligonier St., Latrobe, Penn.: "Can anyone tell me what stations I have heard? Station on approximately 6110 kcs. announces always in Spanish only and sign off with the tune, 'The Whistler and His Dog.' Sign off Friday night at 11:40 P.M. and Sunday at 9:30 P.M. . . . Station on in the afternoon about 2:15 p.m. EST on approximately 10055 kcs. Strong CW interference most of the time. A woman does

most of the announcing especially around the hour and half hour. Sounded like the tune played by the Italian stations just before they sign off. . . . Station on approximately 12090 kcs. in afternoon until sign off at 5 p.m. EST. Both male and female announcers. Sign off in Spanish. Final words: Senors and Senoras. Muy Buenos Noches, Manana'".

#### Answers

For R. G. Earl and Edward Geasa: "Thanks for sending me SWL cards, sorry I have none of my own." Jack Stephenson, 2721 Northwest 21st St., Oklahoma City, Okla.

For A. M. Hankins, are the following QRA'S: K6REF Hale C. Cheatham, Lihue, Hawaii. George P. Wells, Box 9 Warwick Neck P. I. R. I.

For George E. Perrin: "Radio Martinique, P. O. Box 136, Fort de France, Martinique operates with power of 1500 watts on frequency of 9700 kcs. as the Official Relay of Radio Mondial and with power of 200 watts on its regular transmission from 5:30 to 8 p.m. daily. The time for the Paris Mondial Relay is given in their letter as 1:00 GMT equal to 7:30 p.m. EST.—Harold F. Worme, 774 East 8th Street, Brooklyn, N. Y.

For Bill Scott: "WAAU is on a Stratoliner in New York, City" 'Bill Davidson, 232 Montezuma Rd., Montgomery, Alabama.

For Bob Koppelon: "The Home Service Stations are these: 1050, Start Point; 1149, Moorside Edge at Manchester; Scottish National at Westerglen,' James O. Weaver, 2317 Pleasant Plain Ave., Elkhart, Ind.

For Hal Robie: "The Colombian on 1190 is definitely HJAN and the QRA on their verie is HJAN La Voz de la Victor, Ap. Nal 794, Barranquilla. Colombia. It is signed by Emilio Fortou, Ch. Eng. The Colombian on 1130 is HJGE Radio Bucaramanga.—James O. Weaver, 2317 Pleasant Plain Ave., Elkhart, Ind. (page 94)

# AM Station List

## HIGH FIDELITY STATICLESS STATIONS

*Beneath the frequency in kilocycles are given the call, location, coverage (or power), owner, type of station, and schedule if known.*

*Symbols used are: (C) Commercial station now in operation; (CP) Construction permit granted for commercial station; (E) Educational broadcasting station; and (X) Experimental broadcasting station.*

WYNE, New York, N. Y. —, Board of Education (E)

### 42300 kcs.

—, San Diego, Calif., —, Unified School System (E)

### 42500 kcs.

WBEZ, Chicago, Ill., Board of Education (E)

### 42600 kcs.

W1XK, Hull, Mass., 100 watts, Westinghouse Electric Co. (X)

W1XSN, E. Springfield, Mass., 1000 w., Westinghouse Electric Co. (X)

W3XMC, Washington, D. C., 1000 w., McNary & Chambers. (X)

W8XAD, Rochester, N. Y., 250 w. WHEC, Inc. (X)

### 42800 kcs.

W2XMN, Alpine, N. J., 1000 w., Maj. Armstrong (X)

### 42900 kcs.

WIUC, Urbana, Ill., —, Univ. of Illinois (E)

### 43000 kcs.

W9XYH, Superior, Wis., Head of Lakes Brdct. Co. (X)

### 43100 kcs.

K31LA, Los Angeles, Calif., 20000 sq. mi., Columbia Brdctg. System (CP)

W31NY, New York, N. Y., 15610 sq. mi. Maj. Armstrong (CP)

### 43200 kcs.

W2XQR, Long Island City, N. Y., 1000 w. J. V. L. Hogan (X)

W3XO, Washington, D. C., 1000 w., Jansky & Bailey. (X)

W8XFM, Cincinnati, Ohio, 1000 w., Crosley Radio Corp. (X)

### 43400 kcs.

W1XTG, Worcester, Mass., 1000 w., Worcester Telegram (X)

### 43500 kcs.

W3XPY, Whippany, N. J., —, Bell Telephone Labs. (X)

W35NY, New York, N. Y., 3900 sq. mi., City of New York (CP)

### 43700 kcs.

K37LA, Los Angeles, Calif., 38000 sq. mi., Earle C. Anthony (CP)

### 43900 kcs.

W2XWG, New York, N. Y., 1000 watts, National Brct. Co. (X) Wed. to Sun. 3-11 pm.

W39B, Boston, Mass., 31000 sq. mi., Yankee Network (C) 8 am.-mid.

### 44100 kcs.

W41MM, Winston Salem, N. C., 69400 sq. mi., Gordon Gray (CP)

### 44300 kcs.

W43B, Boston, Mass., 19230 sq. mi., Yankee Network. (C) 8 am.-mid.

### 44500 kcs.

K45LA, Los Angeles, Calif., 6944 sq. mi., Don Lee System (CP) 3 pm.-3 am.

K45SF, San Francisco, Calif., 10800 sq. mi., Hughes Tool Co.

W45CM, Columbus, Ohio, 12400 sq. mi., WBNS, Inc. (C)

W45D, Detroit, Mich., 6820 sq. mi., Evening News Ass'n. (C)

W45BR, Baton Rouge, La., 8100 sq. mi., Baton R. Brct. Corp. 10:30 am.-12:30 pm., 3-6 pm., 7-10 pm.

W45V, Evansville, Ind., 8397 sq. mi., Evansville On The Air, Inc. (CP)

### 44700 kcs.

K47SL, Salt Lake City, Utah, 623 sq. mi., Radio Service Corp. (CP)

W47A, Albany, N. Y., — Capitol Broadcast, Co. (C) 8:30 am.-1 am.-Sun. till 3 am.

W47C, Chicago, Ill., 10800 sq. mi., WJJD, Inc. (CP)

W47NV, Nashville, Tenn., 16000 sq. mi., Nat. Life & Accident Ins. Co. (C)

W47P, Pittsburgh, Pa. 8400 sq. mi., Walker Downing Radio (C)

### 44900 kcs.

W3XEZ, Camden, N. J., 1000 watts, RCA Mfg. Co., Inc. (X)

W49D, Detroit, Mich., 6800 sq. mi., John Lord Booth (C)

W49FW, Fort Wayne, Ind., 6700 sq. mi., Westinghouse Electric Co. (CP)

W49BN, Binghamton, N. Y., 6500 sq. mi., Wylie B. Jones (CP)

—, Kansas City, Mo., 299 sq. mi., Commercial Radio Equip. Co. (X)

W49PH, Philadelphia, Pa., 9300 sq. mi., Penn. Brctg Corp (CP).

### 45100 kcs.

K51L, St. Louis, Mo., 1300 sq. mi., St. Louis University. (CP)

W2XWG, New York, N. Y., 100 w., National Brct. Co. (X)

W51C, Chicago, Ill., 10800 sq. mi., Zenith Radio Co. (C)

W51NY, New York, N. Y., 8500 sq. mi., National Brct. Co. (CP)

W51R, Rochester, N. Y., 3200 sq. mi., Stromberg Carlson (C)

W51SL, Lexington, Ky., —, American Brct. Corp. (CP)

### 45300 kcs.

K53LA, Los Angeles, Calif., 7000 sq. mi., Standard Brct. Co. (CP)

W53D, Detroit, Mich., 6800 sq. mi., Goodwill Station (CP).



W53H, Hartford, Conn., 6100 sq. mi., Traversers Brdst. Service (CP)  
W53PH, Philadelphia, Pa., 9300 sq. mi., WFIL, Inc. (CP)  
—, Indianapolis, Ind., 13640 sq. mi., Indianapolis Brdst. Corp. (C)

**45700 kcs.**

W5M, Milwaukee, Wisc., 8540 sq. mi., The Journal Co. (C)  
W5NY, New York, N. Y., 8500 sq. mi., Wm. G. N. Finch (CP)  
W57A, Albany, N. Y., 6589 sq. mi., General Electric Co. (C)  
W2XOY, New Scotland, N. Y., until 10 pm. (X)

**45700 kcs.**

W57PH, Philadelphia, Pa., 9300 sq. mi., Westinghouse Electric Co. (CP)

**45900 kcs.**

K59L, St. Louis, Mo., 1300 sq. mi., CBS, Inc. (CP)  
W59C, Chicago, Ill., 10800 sq. mi., WGN, Inc. (C)  
W59NY, New York, N. Y., 8500 sq. mi., Interstate Brdst. Corp. (CP)

**46100 kcs.**

K61LA, Los Angeles, Calif., 7000 sq. mi., Metro Goldwyn Mayer (CP)

**46300 kcs.**

W63C, Chicago, Ill., 10800 sq. mi., National Broadcasting Co. (CP)  
W63NY, New York, N. Y., 8500 sq. mi., Marcus Lowe Agency (CP)  
W63SY, Syracuse, N. Y., 6800 sq. mi., Central N. Y. Brdst. Co. (CP)

**46500 kcs.**

W65H, Hartford, Conn., 6100 sq. mi., WDRC, Inc. (C) 2-10 pm.  
—, Kansas City, Mo., 1500 watts, (X)

**46700 kcs.**

W67B, Boston, Mass., 6700 sq. mi., Westinghouse Electric Co. (CP)  
W67C, Chicago, Ill., 10800 sq. mi., Columbia Broadcasting System (CP)  
W67NY, New York, N. Y., 8500 sq. mi., Columbia Broadcasting System (CP)

**46900 kcs.**

W69PH, Philadelphia, Pa., 9300 sq. mi., WCAU, Inc. (CP)

**47100 kcs.**

W71NY, New York, N. Y., 8500 sq. mi., Bamberger Brdst. Corp. 8 am.-11 pm.  
W71RF, Rockford, Ill., 3900 sq. mi., Rockford Broadcasters. (CP)  
W71SB, South Bend, Ind., 4300 sq. mi., So. Bend Tribune (CP)

**47500 kcs.**

W75C, Chicago, Ill., 10800 sq. mi., Moody Bible Institute (CP)  
W75NY, New York, N. Y., 8500 sq. mi., Metropolitan Telev. Co. (CP)  
W75P, Pittsburgh, Pa., 8400 sq. mi., Westinghouse Electric Co. (CP)

**47700 kcs.**

W77XL, Lansing, Mich., 3800 sq. mi., WJIM, Inc. (CP)

**48100 kcs.**

W81PH, Philadelphia, Pa., 9300 sq. mi., Seaboard Radio Co. (CP)  
W81SP, Springfield, Mass., 2500 sq. mi., Westinghouse Electric Co. (CP)

**49100 kcs.**

W3XPY, Whippany, N. J. —, Bell Telephone Labs. (X)

**49900 kcs.**

W99NY, New York, N. Y., 8500 sq. mi., Frequency Brdst. Co. (CP)

**PARAGUAY**—ZP5AC will gladly QSL for an IRC and sends a pretty blue-gray card.

**PERU**—OA7A and OA1A are both Americans on expeditions in Peru and cards to the American Consulate at Lima may reach them. OA1A is on 14.03.

**PHILIPPINES**—Some frequencies: KA1JH 14.10, 1CM 14.05, 1AT 14.07, 1AK 14.11, 7FS 14.13. KA1FH and 1ME will not QSL whereas KA1JH says on his card "100 per cent QSL."

**SPAIN**—EA7BA seems glad to QSL so if any of you ever heard him before and failed to get a card try him again. He is Dr. Jose M. Gil Guerra, General Queipo de Llano, Num. 33, Cadiz, Spain.

**TANGIERS**—Try to listen for EK1AA, the only ham left here since EK1AF is gone. He only operates on CW and uses but nine watts.

**U. S. S. R.**—The following are on 20 and 40 CW: U2BM, U3BX, U3QS, U5YH, U8IL, U9MJ, UK2GB, UK3KP, UUK3KQ, and UE3AH.

**CHATTER**—Phil Bates would appreciate any list or the mention of even one ham who uses a Ruede del Oeste card. He is making a special collection of them. Already he has CX2BK, LU1DA, LU8AB, OA4R and XE3BK. . . . Nice card, Bob Chase, and I'll send you one of mine when they're ready. . . . Your pix will be used soon, Bill Adams. . . . Arthur Grant gets less QRM and QRN when he uses his bed springs for an antenna. . . . and thanks to Norm Kane, Phil Bates, and Art Grant for the ever so good reports. . . . also flowers to the rest of you fellows even though some reports came in too late for the last issue. . . . So 73's and we hope everyone's set for that good season.

# The Shortwave Stations

from 2000 to 22000 kcs.

Abbreviations used in our shortwave list: Mid. for midnight, ex. for except, days of the week are abbreviated by using the first two letters as Su. for Sunday, etc. Whenever known, exact schedules are given, otherwise brief notes are included which are intended to help the listener identify the station.

Points are awarded for official corrections to this list sent in by readers. The scores are added in with your scores for reporting the SHORTWAVES IN REVIEW and totaled in the "Report-O-Meter" found in another section of RADEX.

## 2000 kcs. band

2320 TGWC Guatemala City, Guat., 9-9 a.m., 12:45-3:45 p.m., 5:30 p. m.-12:15 a.m.

## 3000 kcs. band

3040 YDA Batavia, N.E.I., 4:30-10:30 a.m., 6-7:30 p. m.  
3300 YV1RJ Coro, Venezuela, "Radio Falcon"  
3305 VUC-2 Calcutta, India, 10:30 a.m. to noon  
3310 YV4RX Maracay, Venezuela, "Radio Marconi"  
3340 YV1RO Trujillo, Venezuela, "Radio Trujillo"  
3350 YV5RS Caracas, Venezuela, "Radio Libertador"  
3365 VUB-2 Bombay, India, 9 a.m. to 12:15 p.m.  
3370 YV1RT Maracaibo, Venezuela, "La Voz de la Fe"  
3380 YV5RY Caracas, Venezuela, "Radio Continente"  
3400 YV5RW Caracas, Venezuela, "Radio Tropical"  
3410 YV3RX Barquisimeto, Ven., "Radio America"  
3420 YV2RC Merida, Venezuela, "La Voz de la Sierra"  
3430 YV5RX Caracas, Venezuela, "La Voz de la Patria" until 10:33 p.m.  
3435 VUM-2 Madras, India, 8:30 a.m. to noon  
3440 YV1RU Maracaibo, Venezuela, "Radio Maracaibo"  
3450 YV6RC Barcelona, Venezuela, "Emisora del Estado"  
3460 YV4RP Valencia, Venezuela, "Radio Valencia"  
3480 YV4RO Puerto Cabello, Vene., "Radio Puerto Cabello"  
3480 XZZ Rangoon, Burma, 9:00 a.m.  
3490 YV3RF Acarigua, Venezuela, "La Voz del Llano"  
3490 CR7AB Lourenzo, Marques, Mozambique.  
3490 VUD-2 Delhi, India, 8:45 a.m. to 12:15 p.m.  
3500 YV5RV La Guaira, Venezuela, "Emisora Vargas"  
3920 ..... Bridgeton, Barbados, 5:15-6 p.m.

## 4000 kcs. band

4273 RV15 Khabarovsk\*, U.S.S.R., 4:30-6 p.m., 6:30-7:30 a.m.  
4700 ZOI Kingston, Jamaica, 5:30-6:30 p.m.  
4750 YV1RV Maracaibo, Venezuela, "Ecos del Zulia"  
4760 YV4RO Valencia, Venezuela, "La Voz del Carobobo"  
4770 YV1RY Coro, Venezuela, "Radio Coro"  
4775 HJGB Bucaramanga, Colombia "Radio Santander"  
4780 YV3RN Barquisimeto, Vene., "Radio Barquisimeto"  
4785 HJAB Banranquilla, Columbia, 5:30-6:30 a.m., 6-11 p.m.  
4790 YV6RU Ciudad Bolivar, Vene., "Ecos del Orinoco"  
4795 HJDX Medellin, Colombia, "La Voz de Cuenta"  
4800 YV1RX Maracaibo, Venezuela, "Ondas del Lago"  
4805 HJDU Medellin, Colombia, Irreg. evenings  
4810 YV1RL Maracaibo, Venezuela, "Radio Popular"  
4815 HJBB Cucuta, Colombia, "La Voz de Cucuta"  
4820 YVO Maracaibo, Venezuela, Government station  
4830 YV2RN San Cristobal, Vene., "La Voz del Tachira"  
4825 HJED Cali, Columbia, 7 a.m. to 1 p.m., 7:10-10:39 p.m.  
4840 VUC-2 Calcutta, India, 6:30-10:15 a.m.  
4840 YV1RZ Valera, Venezuela, "Radio Valera"  
4845 HJCD Bogota, Colombia, 6-11 p.m.  
4860 YV5RU Caracas, Venezuela, "Ondas Populares"

**WHEN REPORTING THESE STATIONS**  
Tell them you saw them listed in RADEX

4865 PRC-5 Belem, Brazil, until 8 p.m.  
 4785 HJFH Armenia, Colombia, 8-11 a.m., 6-10 p.m.  
 4880 VUB-2 Bombay, India, 6:30-8:45 a.m.  
 4885 HJDP Medellin, Colombia, 8 a.m. to 2 p.m., 6-11 p.m.  
 4890 YV5RM Caracas, Venezuela, "Radiodifusora Venezuela"  
 4895 HJCH Bogota, Colombia, 11:30 a.m.-2 p.m., 6-11 p.m.  
 4900 YDA Batavia, Java, 5:30 a.m.  
 4920 VUM2 Madras, India, 5:30-8:15 a.m.  
 YV5RN Caracas, Venezuela, "Radio Caracas"  
 ZOY Accra, Gold Coast, rarely heard here  
 4945 HJCW Barranquilla, Colombia, 7:30-10 p.m.  
 4950 .... Caracas, Venezuela, "Radiodifusora Nacional"  
 4960 VUD2 Delhi, India, 6:30-8:30 a.m.  
 YDF Soerabaja, Java, 10:30 p.m.-2 a.m.  
 4965 HJAE, Cartagena, Colombia

### 5000 kcs. band

5045 PMY Bandoeng, Java, 5:30 a.m. to noon  
 5556 HUB San Salvador, Salvador, 5:30-11 p.m.  
 5725 HCIPM Quito, Ecuador, 2-10 p.m.  
 5750 YNJAT Leon, Nicaragua, evenings  
 5875 HRN Tegucigalpa, Honduras, 6-11 p.m.  
 5885 HI9B Santiago, Domin. Rep., 6-11 p.m.  
 5900 ZNB Mafeking, British Beccuanaland, 6-7 a.m., 1-2:30 p.m.  
 5905 TIGPH San Jose, Costa Rica, 7-10 p.m.  
 TIV San Jose, Costa Rica, 10 p.m. to midnight  
 5936 PJCI Willemstad, Curacao, 6:36-8:36 p.m., Sun., 10:30-12:36 p.m.  
 5940 HH2S Port-au-Prince, Haiti, 9-10:4 p.m.  
 OAX2A Trujillo, Peru, Tu., Th., Sa., Su., 7-10 p.m.  
 5950 XGOY Chungking, China  
 5960 H11J San Pedro, Domin. Rep., 11:40 a.m., 1:40 p.m., 6-8:30 p.m.  
 5970 VONH St. Johns, Nfld., 5-10 p.m.  
 HCQRX Quito, Ecuador, "Radio Quito"  
 5985 T17RVM Guancasta, Costa, Rica, 9:30-10 p.m.\*

### 6000 kcs. band

6005 HP5K Colon, Panama, 7-9 a.m., 11:30 a.m.-1 p.m., 6-11 p.m.  
 XEBT Mexico City, D.F., 10 a.m.-1:45 a.m.  
 .... Moscow, U.S.S.R., 3:30-4 p.m.  
 6007 XYZ Rangoon, Burma, 6:30-10 a.m., 9-11 p.m., Su. 9:30-11:30 p.m.  
 ZRH Capetown, U. of S. Africa, 10:45 a.m.-3 p.m.  
 6010 CFCX Montreal, P. Q., 7:45 a.m.-1 a.m., Su. 9 a.m.-11:15 p.m.  
 CICX Sydney, Nova Scotia, 7 a.m.-1:30 p.m., 4-8:30 p.m.  
 CKWX Vancouver, B. C., 10:15-11:30 p.m.  
 PRA8 Recife, Brazil, 4-9 p.m.  
 OQ2AA Leopoldville, Bel. Con., 5:55-7:45 a.m., 1:55-2:45 p.m.  
 6015 JLR Tokyo, Japan  
 6017 HI3U Santiago, Dominican Rep., 7:10-8:05 a.m., 11:40 a.m.-1:40 p.m., 4:40-6:40 p.m., Su. 12:30-2 p.m., 5-6 p.m.  
 HJCX Bogota, Colombia, 9-11:30 p. m.  
 6020 DJC Berlin, Germany, daily to many continents  
 XEUW Vera Cruz, Mexico, 7 a.m. to 1 a.m.  
 6030 CFVP Calgary, Alberta, 10 a.m.-2 p.m.  
 RV96 Moscow, U.S.S.R., 1-7 p.m., 8:30-9 p.m.  
 CR7AA Lourenzo Marques, Mozambique, 4:50-7:30 p.m., 8-11 p.m.  
 DXP Berlin, Germany, 11:05 p.m.-1 a.m.  
 XEKW Mexico City, Mexico, late evenings  
 MTCY Hsingking, Manchukuo  
 6033 HP5B Panama City, Panama, 10:30 a.m.-2 p.m., 6-10 p.m.  
 6040 WRUL Boston, Mass., 5-6:45 p.m., Sun. 1-4:45 p.m.  
 6045 XETW Tampico, Mexico, 7 p.m.-1 a.m.  
 6050 GSA London, Gt. Britain, 10:55 p.m.-5 a.m., 5:40-10:40 a.m., 11-5:45 p.m., 6:19-7:15 p.m.  
 HP5F Colon, Panama, 7-9 p.m.  
 OAX6A Arequipa, Peru, 9:45-10:30 p.m.  
 6055 HJFA Pereira, Colombia, 9 a.m.-noon, 6:30-10 p.m.  
 6060 WCAB Philadelphia, Pa., 6:15 p.m.-1 a.m.  
 KZIB Manila, P. I.  
 WCBX New York, N. Y., not in use yet  
 WCRC New York, N. Y. New Station  
 WLWO Cincinnati, Ohio  
 YDD Bandoeng, Java, at 5:30 a. m.  
 6065 SBO Stockholm, Sweden, 4:20-4:35 p.m.  
 6070 CFRX Toronto, Ont., 7 a.m.-12:30 a.m., Su. 10 a.m.-11 p.m.  
 6075 GRR London, Gt. Britain, 11:45 p.m.-mid., 12:30-12:45 p.m.  
 HJCF Bogota, Colombia, 7 p.m. to mid.  
 6080 CKFX Vancouver, B. C., 6-9 p.m.  
 CRY9 Macao (nr. China coast), Mo. at 7 a.m.  
 6082 OAX4Z Lima, Peru, 6 p.m. to midnight  
 6085 VUD3 Delhi, India, 11:15-11:45 a.m.  
 XEBF Jalapa, Mexico, 8-9:30 p.m.

ZBW2 Hong Kong  
 ZNS2 Nassau, Bahamas, 8-8:15 a.m., 1-1:15 p.m., 6-9 p.m.  
 6094 ZHJ Penang, St. Settlement, 5:10-9:10 a.m.  
 6095 JZH Tokyo, Japan  
 6097 ZRJ Johannesburg, U. of So. Africa, 3-7 a.m.  
 HJFK Pereira, Colombia, 6-10:30 p.m.  
 6100 KZRC Cebu City, Philippines, 7-8 a.m.  
 6101 XOJD China (?)  
 6100 CP2 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.  
 GSL London, Gt. Britain, 9:30-11:35 p.m.  
 XEGW Mexico City, Mexico, 11 p.m.-1 a.m.  
 6112 HI6H Trujillo, Domin. Rep., 5-8:30 p.m.  
 6115 .... Khabarovsk\*, U.S.S.R., 6:30-7:30 a.m., 4:30-6 p.m.  
 6117 XEUX Mexico City, Mexico, 9 a.m.-p.m., 7 p.m.-2 a.m.  
 6120 WCBX New York, N. Y., not in use.  
 WCRC New York, N. Y. (not in operation)  
 6122 HP5H Panama City, Panama, -6:10:30 p.m.  
 6125 MTCY Hsinking, Manchukuo, 7:30-9:30 a.m.  
 CXA-4 Montevideo, Uruguay  
 6130 CHNX Halifax, N. S., 6:45 a.m.-11:15 p.m., Sa. 7 a.m.-11:15 p.m., Su. noon-11 p.m.  
 HS4PJ Bangkok, Thailand, 8-10 a.m.  
 VLW Perth, Australia  
 ZFY Georgetown, B. Guiana, 6-6:30 a.m., 10:45-11:30 a.m., 2:15-2:45 p.m., 3:40-7:15 p.m.  
 6135 FK8AA Noumes, New Caledonia, 2:30-3:30 a.m.  
 6140 OQ2AA Leopoldville, Belgian Congo, Sl. 5:30-7 a.m.  
 KZRF Manila, Philippines, 5 p.m.-10:30 a.m.  
 6145 GRW London, Gt Britain, BBC Home Service at 8:15 p.m.  
 6148 ZRD Durban, U. of So. Africa, 12:45-2:45 a.m.  
 HJDE Medellin, Colombia, 9:30 a.m.-1 p.m., 5-11:30 p.m.  
 6152 H15N Moca, Dominican Rep., 6:40-9:10 p.m.  
 6150 CJRO Winnipeg, Manitoba, 3:30 p.m.-1:30 p.m.  
 IIRH San Jose, Costa Rica, 8-11:30 p.m.  
 6155 EQB Jeheran, Iran  
 6160 CBFW Vercheres, P. Q.  
 HJCD Nueva Granada, Colombia, until 11:30 p.m.  
 KZRC Cebu, Philippines, 5-7 p.m., 11 p.m.-12:30 a.m., 4-10 a.m.  
 6165 HER-3 Schwarzenberg, Switz., 11:35-12:40 a.m., 4-4:30 p.m.  
 6170 WCBX New York, N. Y., 11-15 p.m.-1 a.m.  
 WCRC New York, N. Y.—new  
 ZHP-2 Singapore, St. Settlements, 6:30-9:30 a.m.  
 6180 LRA-2 Buenos Aires, Argentina, 6-9 p.m., Sa., Su., 7-9 p.m.  
 XEXA Mexico City, Mexico, 8-11 a.m., 2:30-4 p.m., 7:30 p.m.-12:45 a.m.  
 6185 TIRCC San Jose, Costa Rica, Tu., Th., Sa. 6-7 p.m., Su. 8-10 p.m.  
 6190 H11A Santiago, Domin. Rep., 10:40 a.m.-1:10 p.m., 6:40-9:40 p.m.  
 HVJ Vatican City, Su. 8:30-9 a.m., Su., We., 9-10:30 p.m.  
 JLT Tokyo, Japan  
 WGEA Schenectady, N. Y., 8:30-9:30 p.m.  
 .... Saigon, Fr. Indo China, "Radio Saigon" 6-7:30 a.m.  
 6193 T2 Guatemala City, Guat., 7:30-10 a.m., 6-11:30 p.m.  
 6195 HI2D Trujillo, Domin. Rep., 5:10-7:10 p.m.  
 6200 CP5 La Paz Bolivia, 6:30-11 p.m.  
 CS2WD Lisbon, Portugal, 3-6 p.m.  
 HI8Q Trujillo, Domin. Rep.  
 6205 OAX3A Huanuco, Peru, after 11 p.m.  
 6233 HRD La Ceiba, Honduras, 8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 4-6 p.m.  
 6245 HIIN Trujillo, Domin. Rep., 5:10-10:10 p.m.  
 6255 CP12 La Paz, Bolivia, 7-9 p.m.  
 6280 HIIG Trujillo, Domin. Rep., 6:40-8:40 a.m., 11:40 a.m.-2:10 p.m.  
 6285 FIG Yaconde, Cameroon, at 3:30 a.m.  
 6290 OAX1A Chicago, Peru  
 6300 OAX4G Lima, Peru, 6 p.m.-midnight  
 6310 HIIZ Trujillo, Domin. Rep., 11:40 a.m.-12:40 p.m., 5:10-7:40 p.m., ex. Su.  
 6335 OAX1A Ica, Peru, 8-11 p.m.  
 6335 OAX1A Icas, Peru, 8-11 p.m.  
 6340 HIIX Trujillo, Domin. Rep., 8:10-10:10 p.m., Su. 7:40-9:40 a.m.  
 6370 COCQ Havana, Cuba, evenings  
 6380 TIWS Puntarenas, Costa Rica, 5-7, 7:30- p.m., Su. 5-6 p.m.  
 6384 ZIZ Basseterre, St. Kitts, 4-4:45 p.m., We. 7-7:30 p.m.  
 6395 HI9B Santiago, Domin. Rep., 7:40-8:40 p.m.  
 6396 COX-7 Havana, Cuba, 2-3, 6-10:30 p.m., Fr. 8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 7:30 a.m.-3 p.m.  
 TGQA Quetzaltenango, Guat., Mo. only  
 6430 HIIS Santiago, Domin. Rep., 5:40-9:10 p.m., ex. Su.  
 6435 .... Dakar, Fr. W. Africa, at 8:15 a.m. and 3:15 p.m.  
 YSR San Salvador, Salvador, evenings  
 6455 COHI Santa Clara, Cuba, 6:42 a.m.-12:15 a.m.  
 6480 TGWB Guatemala City, Guat., 7:45-9 a.m., 12:45-3:45 p.m., and 5:30 p.m.-12:15 a.m.  
 6500 HIIL Santiago, Domin. Rep., 5:30-9:30 p.m., ex. Su.

6540 YN-GG Managua, Nicaragua, 1-2:30, 8-10 p.m.  
TIRCC San Jose, Costa Rica, Noon-2 p.m., 6-7 p.m., Th. 6-11 p.m., Su. 11  
a.m.-2 p.m., 6-9 p.m.

6558 HI4D Trujillo, Dominican Rep., 12:30Z, 6-8 p.m.  
6575 YSPB San Salvador, El Salvador, 5:40-7:40, 9:40-11:40 p.m.  
6610 YNLG Managua, Nicaragua, 1:30-2:30, 6-10:15 p.m.  
6630 HIT Trujillo, Dominican Rep., 12:40-1:40 p.m., 4:40-8:40 p.m., Sa. 10:40 p.m.,  
12:40 a.m.

6635 HC2RL Guyaquil, Ecuador, Su. 5:45-7:45 p.m., Tu. 9:15-11:15 p.m.  
6675 HBC Geneva, Switzerland, Su. 1:45-2:45 p.m.  
6675 HI9T Puerto Plata, Dom. Rep., 10:40 a.m.-2:10 p.m., 4:40-10:40 p.m.  
6695 TIEP San Jose, Costa Rica, 7 p.m.-mid.  
6720 PMH Bandoeng, Java, 4:30-11 a.m., Su. 8:30 p.m.-1 a.m., 4:30-11 a.m.  
6730 HI3C La Romana, Domin. Rep., 4:55-8 p.m.  
6800 PZH Paramaribo, Suriname, Su. 8:40-10:40 a.m., Tu. & Fr. 5:40-8:40 p.m.  
6810 HHH San Pedro, Domin. Rep., 7-9:40 p.m., Su. 5:20-6:40 p.m.  
6850 YNOW Managua, Nicaragua, 8-10 p.m.  
6985 VQF Kuching, Sarawak, Fri. at 7:40 p.m.

**7000 kcs. band**

7065 GRS London, Gt. Britain, BBC Home Service, heard 1 a.m.  
7080 YI5KG Bagdad, Iraq, 9 a.m.-2 p.m.  
7090 .... Tangiers, Africa, "Radio Falange" at 1 p.m.  
7100 FO8AA Papeete, Tahiti, Tu. & Fr. 11 p.m.-mid.  
7140 EAJ22 Oviedo, Spain, 3-5 p.m.  
7120 CR7RB Nampula, Mozambique, until 3 p.m.  
7150 GRT London, Gt. Britain, 12:45-1 a.m., 1:15-3 a.m.  
7170 CR6AA Lobito, Angola, Mo., We. & Sat. 2:45-4:30 p.m.  
7210 .... Salisbury, So. Rhodesia  
VUC2 Calcutta, India, 9:30-11 p.m.  
7220 YDX Medan, Sumatra, 10:30 p.m.-2 a.m.  
7230 GSW London, Gt. Britain, 12:45-1:15 a.m., 3-5 a.m., 6-10:30 a.m., 10:55 a.m.,  
5:45 p.m.

7240 VUB2 Bombay, India, 9:30-11:30 p.m.  
7240 DXJ Berlin, Germany. Almost continuous operation.  
7250 ZHP3 Singapore, St. Settlements, 6:30-9:40 a.m.  
YDA Batavia, Java, 10:30p.m.-2 a.m., Sa. 7 p.m. to 2 a.m.  
7258 JVV Tokyo, Japan, 2-4 p.m.  
7260 CSW8 Lisbon, Portugal, Tu., Th., Sa., 5-6 p.m.  
GSU London, Gt. Britain, 12:15-1:15 p.m.  
7270 DXM Berlin, Germany, mornings  
7285 JLG Tokyo, Japan  
7290 DJI Berlin, Germany, 5-5:15 a.m.,  
VUD-2 Delhi, India, 9:30 p.m.-mid.  
7295 JIE Taiwan, 9-10:30 a.m.  
7310 I2ROI9 Rome, Italy, 8-10:30 p.m.  
7440 FG8AA Pointe-a-Pitre, Guade., 6-7 p.m., Su. 9:30-11 a.m.  
7450 TI2RS San Jose, Costa Rica, 7-11 p.m.  
7490 YN2FT Granada, Nicaragua, 8-10 p.m.  
7520 KKH Kahuku, Hawaii, Sa., Su. 8:30-9 p.m.  
7620 YNLAT Granda, Nicaragua, 8-10:15 p.m.  
7660 YNDG Leon, Nicaragua, 8:30-9:30 p.m.  
7854 HC2JSB Guyaquil, Ecuador, 11 a.m.-2 p.m., 4-11 p.m.  
7865 SUX Cairo, Egypt, 12:30-1:30 p.m., also at 7 p.m.  
7894 YSD San Salvador, El Salvador, 7-10:30 p.m.  
7930 PSL Rio de Janeiro, Brazil, 6-7:05 p.m.  
7968 HSP6 Bangkok, Thailand, 7-11 a.m.

**8000 kcs. band**

8030 CNR Rabat, Morocco  
8030 FXE Beirut, Lebanon, "Radio Levant" 12-12:30 a.m.  
8200 PSK Rio de Janeiro, Brazil, 5:45-7 p.m.  
8480 XPSA Kweivang, China, at 4:00 a.m.\*  
8500 .... Brazzeville, Fr. W. Africa, "Radio Club" 5:30 a.m. and 1 p.m.  
8585 YNRS Managua, Nicaragua, until 10:45 p.m.  
8700 COCO Havana, Cuba, 7:50 a.m.-12:5 a.m.  
8119 KZND Manila, P. I., "Voice of the Commonwealth"  
8960 TP22 Algiers, Algeria, 1:30-2:3 p.m., 4-6 p.m.  
COKG Santiago, Cuba, 5-9:50 p.m.

**9000 kcs. band**

9030 COBZ Havana, Cuba, 7:45 a.m.-mid., Su. 7:45 a.m.-1 a.m.  
9045 .... Syria\*, "France Libre d'Orient" at 9:30 a.m.\*  
9125 HAT4, Budapest, Hungary, 7-8:00 p.m., Sa. 6-7:30 p.m.  
9190 HC2ET Guyaquil, Ecuador, 8-10 p.m., Su. 8:30-10:30 p.m.  
9200 COCX Havana, Cuba, 8 a.m.-mid.  
9295 HI2G Trujillo, Dominican Rep., 6:40-8:40 a.m., 11:40 a.m.-2:10 p.m., 3:40-  
4:40 p.m.

9320 FHK Libreville, Gabon, 4-6:15 p.m.  
9340 OAX4J Lima, Peru, Noon-3 p.m., 5 p.m.-mid.  
9345 HBL Geneva, Switz., Mo. & We., 7:45-9:15 p.m.  
9375 COBA Havana, Cuba, 7 a.m.-mid., Su. 7 a.m.-10:30 p.m.  
9380 HCJR Quito, Ecuador, Sa. 8-11 p.m. (hrd. on 9435 kcs.)

9395 FGA Dakar, Fr. West Africa, 3:15-4 p.m.  
 COCH Havana, Cuba, 6:40 a.m.-mid.  
 9445 HCODA Guayaquil, Ecuador, 8:15-10:15 p.m., ex. Su.  
 9450 GRU London, Gt. Britain, 8:45-11:30 a.m.  
 OAX6D Arequipa, Peru, evenings  
 9465 TAP Ankara, Turkey, 9-10 a.m.  
 9475 VONG St. Johns, Nfld., 9 a.m.-2 p.m.  
 9492 KZIB Manila, Philippines, 10 a.m. and 6-11 p.m.  
 9500 OFD Helsinki, Finland, 1:15 p.m.\*  
 XEWW Mexico City, Mexico, 7:45 a.m.-12:45 a.m.  
 XGOY Chungking, China, 3-5:30 a.m.  
 9505 CP38 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.  
 9510 GSB London, Gt. Britain, 9:45-11:35 p.m., mid.-3:15 a.m.\*  
 9517 XEDQ Guadalajara, Mexico, 1 p.m.-mid.  
 9520 RV96 Moscow, U.S.S.R., evenings.  
 "Y" Paris, France, 4:30-11 p.m.  
 9525 DXY\* Berlin, Germany, daytime\*  
 ZBW3 Hongkong, China, 5-10 a.m., 11:30 p.m.-1:15 a.m., Su. 5-9:30 a.m.  
 ..... Bratislavia, Solvackia, Mon., Wed., Fri., Sat., 6-7 p.m.  
 9530 WGEQ Schenectady, N. Y., 3 p.m. to mid.  
 9532 COCQ Havana, Cuba, 7:30 a.m.-mid.  
 9535 JZI Tokyo, Japan, 7:30-8:30 p.m.  
 9535 SBU Stockholm, Sweden, 4:200-4:35 p.m.  
 HLR4 Berne, Switzerland, evenings to 9:10 p.m.  
 VPD2 Suva, Fiji Islands, 5:30-7 a p.m., ex. Su.  
 9543 XEFT Mexico City, Mex.  
 9545 MTCY Hsingking, Manchukuo, at 10 a.m.\*  
 9548 .... Gustav Siegfried Eins, (Anti-Nazi) 7 min. before ea. hr.  
 9550 OQ3AA Leopoldville, Belg. Con., 5:55-7:45 a.m. & 1:55-2:45 p.m.  
 VUB-2 Bombay, India, 2-3:55 a.m.  
 WGEA Schenectady, N. Y., 6:15-9:15 p.m.  
 YDB Soerabaja, Java, 10:30 p.m.-2 a.m., Su. 7 p.m.-2 a.m.  
 HVJ Vatican City, Sv. 5-5:30 p.m., 8:30-9:45 p.m., We. 2:30-3 p.m., Th. 8:30-9:45 p.m.  
 VLG-2 Sydney, Australia, 7:15-8:05 a.m.  
 .... Moscow, U.S.S.R., 6-10 p.m.  
 9556 OAX4T Lima, Peru, 7-8, 11:30 a.m.-1:30 p.m.  
 XEFT Vera Cruz, Mexico, 7:30 p.m.-mid.  
 XEFT Vera Cruz, Mexico, 7:30 p.m.-mid.  
 9560 DJA Berlin, Germany  
 9560 XEFA Monterrey, Mexico, 10 a.m.-mid.  
 VLW2 Perth, Australia, 8:10-9:45 a.m., 1-1:45 p.m.  
 9565 RV15 Khabarovsk, U.S.S.R., 6:30-7:30 a.m., 4:30-6 p.m.  
 9570 CXA2 Montevideo, Uruguay, 11 a.m.-4 p.m., 4:30-9:30 p.m.  
 DXZ Warsaw, Poland, 4:50 p.m. to 1 a.m.  
 KZRM Manila, Philippines, 4:30-7 p.m., 11 p.m.-1 a.m., and 4-10:15 a.m.  
 VUM2 Madras, India, 3-4:30 a.m.  
 WBOS Boston, Mass.  
 9580 GSC London, Gt. Britain, 12:45-1 a.m., 1:25-2:15 p.m., 3-3:45 p.m., 4:15-5 p.m., 5:10-11:35 p.m.  
 VLR Melbourne, Australia, 2:30-9. 9-9:30 a.m.  
 9509 WLWO Cincinnati, Ohio, 6-9 p.m.  
 VUD2 Delhi, India, 1-3:30 a.m.  
 VUD3 Delhi, India, 6:30-11 a.m.  
 9595 .... Athlone, Ireland, 12:30-4:30 p.m., 5-6 p.m.  
 9600 CB960 Santiago, Chile, 8-11:30 p.m.  
 GRY London, Gt. Britain, 5:10-11:35 p.m.  
 RAN Moscow, U.S.S.R., 3-7 a.m., 8:30-9 p.m.  
 9605 JLP Tokyo, Japan  
 9606 ZRL Capetown, U. of So. Africa  
 9607 HP5J Panama City, Panama, 7-8 a.m., noon-1:30 p.m., 6:30-10:30 p.m.  
 9610 DXB Berlin, Germany, 4:50-10:45 p.m. (Span.)  
 RW99 Inkutsk, U.S.S.R.—until 11 a.m.  
 9615 VLO Sydney, Australia, 2-2:30 a.m., 3:25-4:25 a.m., 10:30 a.m., 2-3:03 p.m.  
 9620 TIPG San Jose, Costa Rica, 9-9:30 a.m., 12-2, 6-11:30 p.m.  
 CXA-6 Montevideo, Uruguay  
 XEWQ Mexico City, Mex. evenings  
 9625 CXA6 Montevideo, Uruguay, 10:30 a.m.-1:30 p.m., 3:30-9:30 p.m.  
 12RO3 Rome, Italy, 1-2 a.m., 12:07-2:35 p.m., 4:15-4:45 and 6-9 p.m.  
 9630 HJCT Bogota, Colombia, 6-11 p.m.  
 JFO Taihoku, Taiwan, 4-10:30 a.m.  
 9635 KZRH Manila, Philippines, 5 p.m.-11 a.m.  
 9636 VPD-2 Suva, Fiji Islands, 12-12:30 a.m., 3:30-8 a.m.  
 9640 CXA-8 Colonia, Uruguay, 5 a.m.-10:45 p.m., Sa. to 1 a.m.  
 9645 LLH Oslo, Norway, 9-10 p.m.  
 XGOY Szechwan, China, 1-3, 8-9:30 a.m.  
 JLT-2 Tokyo, Japan  
 .... European Revolution Station, 2-4-6-7 and 12 p.m.  
 9650 DJW Berlin, Germany, 3:15-4:30 a.m., 4:50-10:45 p.m.  
 HVI Vatican City, Sv. 5-5:30 a.m., 8:30-9:45 p.m., Th. 8:30-9:45 p.m.  
 WCBX New York, N. Y., 1:3:30 p.m.  
 WCRC New York, N. Y.—New xmitter

9660 LRX Buenos Aires, Argentina, 5:30-6:45 a.m., 10:15 a.m.-11 p.m.  
 HHBM Port-au-Prince, Haiti, 7-8:30 a.m.  
 9665 .....\* Rome, Italy, 1-6:30 and 7-9:30 p.m.  
 9670 WRCA New York, N. Y., 4 p.m.-1 a.m.  
 I2RO-9 Rome, Italy, 8-11 p.m.  
 KGEI San Francisco, Cal., 7-18 a.m.  
 9675 DJX Vienna, Germany, 10:40 a.m.-4:25 p.m.  
 Saigon, Fr. Indo China, 7:30-9:45 a.m.  
 9680 VLO5 Sydney, Australia, 7:15-8:05 a.m.  
 XEOQ Mexico City, Mexico, 5 p.m.-1 a.m.  
 9685 TGWA Guatemala City, Guat., 10-11:45 p.m.  
 9690 LRA-1 Buenos Aires, Argentina, 10:30 a.m.-1 p.m., 2:30-3:30 p.m.  
 4.9 p.m.  
 GRX London, Gt. Britain, 5:40-9:40 p.m., 2.5 a.m., 11 a.m.-1:45 p.m., 2-5:45 p.m.  
 ZHPI Singapore, St. Settlements, till 9:40 a.m.\*  
 9695 IIE3 Tyreki, Taiwan, at 9:30 a.m.\*  
 9696 TI4NRH Heredia, Costa Rica, Tu., Th., Sa. 9-10 p.m., Su 7-8 p.m.  
 9703 ... Fort de France, Martinique, 5:30-8 p.m.  
 9710 CR7BE Lourenzo Marques, Mozambique, 7-11 p.m.  
 9720 XGOA Chungking, China, 7 a.m.-11:30 p.m.  
 9730 CB970 Valparaiso, Chile, 7-9 a.m.  
 9740 CSW7 Lisbon Portugal, 4-5:30 p.m., 5:45-8 p.m.  
 9760 I2RO18 Rome, Italy, 9-10:30 p.m.  
 9775 ZRO ... 2:40-4 p.m.  
 9780 HNF Baghdad, Iraq, 9 a.m. to 2 p.m.  
 9800 OAX5C Ica, Peru, 7-11:30 a.m.  
 9810 HJAG Barranquilla, Colombia, evenings  
 9815 IRF Rome, Italy, 5:2015:40 a.m., noon-12:25 p.m., 1:5012:30 p.m., 6-7:25 p.m.  
 9825 COCM Havana, Cuba, 8 a.m.-mid.  
 9855 EAQ Madrid, Spain, 5-7:30 p.m., 7:45-8:50 p.m., 8:50-11 p.m.  
 9890 LSN-2 Buenos Aires, Argentina, occasionally 10-10:15 p.m.  
 9892 CP1 Sucre, Bolivia, 11 a.m.-noon, 7-9 p.m.  
 9935 SVM Athens, Greece, Not heard since German occupation

**10000 kcs. band**  
 10110 XBHU Hermosillo, Mexico, till 6:40 p.m.  
 10035 DZE Prague, Bohemia, at 2:45 p.m.\*  
 10040 XOZS ..... China\*, 6-9:30 a.m.  
 10050 SUV Cairo, Egypt, 12:30-1:30 p.m.  
 10055 XBHX Mexico City, Mexico, 6:10 a.m.  
 10135 HH3W Port-au-Prince, Haiti, 1-2, 7-9 p.m.  
 10140 OFM Leopoldville, Belg. Con., 1:40-2:45 p.m.  
 10220 PSH Rio de Janeiro, Brazil, 6-7 p.m., Fri. 7-7:30 p.m., Mo., Wed., Fri. 8-8:  
 10260 PMN Bandoena, Java, 10:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:3 p.m.  
 10290 DZC Berlin, Germany, 4:50-8:50 (Port.) 9:15-10:45 (Span.)  
 10300 ORK Brussels, Belgium, 7:30-8:30 p.m. (Ger.)  
 10350 LSX Buenos Aires, Argentina,  
 10400 YSPA San Salvador,  
 El Salvador, 6:30-11 p.m.  
 10545 DZD Berlin, Germany, 4:50 p.m.-1 a.m.  
 10660 ZIK2 Belize, Br. Honduras, Tu., Th., Sa. 1:30-2, 8:30-9 p.m.  
 10680 PLQ Bandoeng, Java, at 7 a.m.  
 10710 .... Yaounde, Fr. Camerouns., 5:45 a.m.-3:30 p.m.  
 10950 F1QA Tananrive, Madagascar, 12:30-12:45 a.m., 10-11 a.m., 2:30-4 p.m.  
 10953 CR6RB Benguela, Angola, 2:30-3:30 p.m.  
 10660 JVN Tokyo, Japan, 1:50-7:40 a.m.

**11000 kcs. band**  
 11000 PLP Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:3 a.m., 6-7:3 p.m.  
 11040 CSW6 Lisbon, Portugal, 12-3:30 p.m., Su. 10 a.m.-5:30 p.m.  
 11290 FIB Vanrae, Comeroon, at 3:10 a.m.  
 11460 COCY Havana, Cuba, noon-mid.  
 11500 CI B-11 Havana, Cuba, evenings\*  
 11515 PZX Paramaribo, Suriname, 6:30-7:30 p.m.  
 11402 HBO Geneva, Switzerland, 7:45-9:15 p.m.  
 11560 .... ?, U.S.S.R.\* 3-4 p.m.  
 11600 PLN Bandoeng, Java, at 7 a.m.  
 11616 COK Havana, Cuba, noon to midnight  
 11650 XGOK Canton, China, 7-9 a.m.  
 11670 Anderra, "Radio Andorra", 6:30 a.m.  
 ..... RV- - ?, U.S.S.R.\* 10-11:30 p.m.  
 11690 RV- - ?, U.S.S.R.\* 10-11:30 p.m.  
 11700 CB1170 Santiago, Chile, 10 a.m.-2 p.m., 3:30 p.m.-mid.  
 HP5A Panama City, Panama, 7-10:40 a.m., 5-10:45 p.m., Su. 6-10:45 p.m.  
 IOY Rome, Italy, 5:20-5:40 a.m., 1:50-2:30 p.m.  
 11705 CXA-19 Colonia, Uruguay, evenings  
 CBFY Montreal, Quebec, 11 a.m.-11 p.m.  
 SBP Stockholm, Sweden, 1:45-2:15 a.m., 1:4:15 p.m., 8-9 p.m.  
 JLG-3 Tokyo, Japan,  
 ..... Saigon, Fr. Indo China, 7:30-9:45 a.m.  
 ..... RV- - New U.S.S.R.\*, 3-3:20 p.m.

- WLWO Cincinnati, Ohio, 6-9 p.m.  
 11715 HSP5 Bangkok, Thailand, 8:58-10 a.m.  
 11718 CR7BH Lourenzo Marques, Mozambique, 12-1 a.m., 4:30-6:30, 9:30-11 a.m.,  
 12-4 p.m., Su. 4-7 a.m., 10 a.m.-2 p.m.  
 11720 ZP14 Villarica, Paraguay, Mo. to Fr. 4-8 p.m., Sa., Su. 11 a.m.-6 p.m.  
 11725 JVVW3 Tokyo, Japan, 9-9:30 a.m.  
 117300 OQ2AA Leopoldville, Belgian Congo, 5:55-7:15 a.m. & 1:55-2:45 p.m.  
 Belgian Congo,  
 WRUW Boston, Mass., 6-7:45 p.m., 8-10:15 p.m.  
 11737 DXC-2 Lamberster, Norway, until 4:30 p.m.  
 11740 HVJ Vatican City, Su. & Th. 8-9:30p.m.  
 CB1174 Santiago, Chile, 6-11 p.m., Su. 6-10:30 p.m.  
 CR6RC Loanda, Angola, 6:30-7:45 a.m., Tu., We., Sat. at 3:30 p.m.,  
 Su. 12:30-1 p.m.  
 11750 GSD London, Gt. Britain, 6-7 a.m., 5:10-11:35 p.m.  
 11760 12RO15 Rome, Italy, 11:40 a.m.-2:40 p.m., 3-3:30 p.m., 5:30-6 p.m.  
 VLR8 Melbourne, Australia, at 3:30 a.m.\*  
 .....RV - New, U.S.S.R.\*, 10:30 a.m. to noon  
 11770 DJD Berlin, Germany, 10:30 a.m.-4:30 p.m., 4:50-11 p.m.  
 11775 MTCY Hsingking, Manchukuo, 1:30-2:20 a.m., 9:50-10:55 a.m., 4-4:50 p.m.  
 11780 ..... Saigon, Fr. Indo China, 10:30-11 a.m.  
 HP5G Panama City, Panama, Noon-1 p.m., 6-10 p.m.  
 11845 ..... Vichy, France  
 OFE Helsinki, Finland, 1:15 p.m. to 8 p.m.  
 11790 WRUL Boston, Mass., 3-5:45 p.m.  
 COCF Matanzoo, Cuba, evenings  
 11800 JZJ Tokyo, Japan, 6:30-9:30 a.m., 2-5:30 p.m.  
 DJZ Berlin, Germany, 3:30-4 p.m.  
 11810 12RO4 Rome, Italy, 4:30-9 a.m. 10 a.m.-2 p.m., 6-7:25 p.m., 7:30-9 p.m.  
 11815 JVZ Tokyo, Japan, 6:30-9:30 a.m.  
 11820 GSN London, Gt. Britain, 6-10:30 a.m., 12:15-1:15 p.m.  
 ..... RV - ?, U.S.S.R.\*, 10-11:30 p.m.  
 11825 CXA14 Colonia, Uruguay, 3:30-9:20 p.m.  
 11830 LRA-5 Buenos Aires, Argentina, 4-4:30 p.m.  
 WCBX New York, N. Y. not in use.  
 11826 XEHR Hermosillo, Mexico, 10 a.m.-4 p.m., 8-10:30 p.m.  
 11830 VUD4 Delhi, India, 9:05 p.m.-mid., 1-4:25 a.m., 6:30 a.m.-12:15 p.m.  
 VI.W3 Perth, W. Africa, 1-5 a.m.  
 WCBX New York, N. Y., 1-3:30 p.m., 6:30-10:45 p.m.  
 WCRC New York, N. Y.  
 11840 VLR7 Melbourne, Australia, at midnight\*  
 CSW Lisbon, Portugal, 11:30 a.m.-1:30 p.m.  
 11845 ..... Vichy, France, at 11:15-11:30 p.m.  
 11850 VLR3 Melbourne, Australia, 3:30 p.m.-2:15 a.m., 6:55-7 a.m.  
 11855 XMH4 Shanghai, China, 11 p.m.-1 a.m., 5-11 a.m.  
 DIP Berlin, Germany, 12:05-2 a.m., 4:50-10:50 p.m.  
 11858 XGDM, Voice of Democracy, China, on at 7 a.m.\*  
 11860 GSE London, Gt. Britain, 5:40-10:30 a.m., 10:55 a.m.-1 p.m.  
 11865 HER5 Berne, Switzerland, 8-8:30 a.m.  
 11870 WBOS Boston, Mass., 2 p.m.-mid.  
 VLG-5 Sydney, Australia, 12:55 a.m.-1:45 p.m., 10:25-11:10 a.m., 2-  
 11880 JZJ Tokyo, Japan, 12-1:30 a.m., 7-9:30 a.m., 2-4 p.m.  
 COGF Matanzas, Cuba, 9 a.m.-11:30 p.m.  
 VLQ7 Sydney, Australia, 12:55 a.m.-1:45 p.m., 10:25-11:10 a.m., 2-2:30 p.m.,  
 3:25-4 p.m., 4:55-5:45 p.m.  
 11890 WNBI New York, N. Y., 8:15 p.m. to 1 a.m.  
 11895 CXA-10 Montevideo, Uruguay.  
 11900 XEWI Mexico City, Mexico, Mo., We., Fr., 3-4 p.m., 9 p.m.-mid.  
 Sa. 9 p.m.-mid., Su. 12:30-2 p.m.  
 11900 XGOY Szechwan, China, 5:30-11:50 a.m., 2-6:20 p.m.  
 11900 CD-1190 Valdivia, China, 1 a.m.-1 p.m., 5-10:30 p.m.  
 11920 ..... ? , Italy, "Radio Italia" 2-2:50 p.m., 4-4:30 p.m., 6-6:28 p.m.  
 11945 FZI Brazzeville, Fr. Eq. Africa, "Radio Brazzeville" 2:30-4 p.m., 10-11 p.m.  
 11960 ..... New, U.S.S.R., 3-4 p.m.  
 11975 OB1180 Santiago, Chile, 7-8 a.m., 4:50-11 p.m.  
 11980 ..... ? U.S.S.R. 10-11:30 p.m.  
 11980 XIRS, Shanghai, China, 5-7:45 a.m.

### 12000 kcs. band

- 12000 RNE Moscow, U.S.S.R., 6-8 p.m.  
 ..... Brazzeville, Fr. W. Africa, "Radio Club" 5:30 a.m. & 1 p.m.  
 12030 XGRS Shanghai, China, 5:45-10 a.m.  
 12040 GRV London, Gt. Britain, 7:15-8:15 a.m., 4-4:15 p.m., 4:30-5 p.m.,  
 also Noon-1:15 p.m.  
 12090 FFZ Shanghai, China, 5:30-7 a.m.  
 12115 ZNR Aden, Arabia, noon-1 p.m., irreg.  
 12120 TPZ Algiers, Algeria, "Radio Algiers" 4-6 p.m.  
 12210 RV - , ??—U.S.S.R. until 11 p.m.  
 12450 HCFB Quito, Ecuador, 5-10:30 p.m.  
 12235 TFF Rejkjavik, Iceland, Sun. afternoons



12490 HI-1N San Pedro, D. R., till 9:10 p.m.  
..... Radio Levant, Beirut, Syria, 6-7 p.m.

**13000 kcs. band**

13066 ..... Reval, Estonia, "Radio Reval" at 3 p.m.  
13355 ..... Dakar, Fr. W. Africa, at 8:15 a.m.  
13900 YNDG Leon, Nicaragua, Su. 2:50 p.m.\*

**14000 kcs. band**

14400 ..... Ponta Delgada, Azores, 2-3 p.m.  
14460 DZH Berlin, Germany, 4-8 a.m.  
14600 JVH Tokyo, Japan, 7-9 a.m.  
14630 PLJ Bandoeng, Java, We. 6:45-8:15 p.m., 8:40-10:15 p.m.  
14635 HBJ Geneva, Switzerland, 7-10:50 p.m.  
14680 CMB-4 Havana, Cuba, 6-7:05 p.m.  
14690 PSF Rio de Janeiro, Brazil, 4:30-5 a.m.  
14795 IQA Rome, Italy,  
14920 KQH Kahoku, Hawaii, Sa. 8:30-9 p.m., Su. 9:30 p.m.\*  
14940 PSE Rio de Janeiro, Brazil, 6-7 p.m., Th. 3-3:30 p.m.

**15000 kcs. band**

15105 JLG-4 Tokyo, Japan, 8-10 p.m.  
15110 DJL Berlin, Germany, 12-2 a.m., 10:40 a.m.-4:25 p.m.  
15120 CSW-4 Lisbon, Portugal, 7-9 a.m.  
..... Athlone, Ireland, "Radio Eiran" 12:30-1 p.m. & 6:30 a.m.  
HVJ Vatican City, Tu. 8:30-9 a.m., 10-10:30 a.m., Su. 1-1:30 p.m.,  
We. 8:30-9 p.m.  
15130 WRUL Boston, Mass., 7:15-11 p.m.  
..... RV- - New U.S.S.R., 6-11 p.m.  
15135 JLU-3 Tokyo, Japan, 8-9:30 a.m.  
15140 GSE London, Gt. Britain, 7:15-11:30 a.m.  
15150 WNBI New York, N. Y.,  
15150 EAJ-43 Canary Islands, around 5:30 p.m.  
YDC Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:30 p.m.  
15155 SBT Motala, Sweden, 6-7 a.m., 1-1:45 p.m., 8-9 p.m.  
15160 DXS Berlin, Germany, till 10:45 a.m.  
JZK Tokyo, Japan, 8-10 p.m.  
15165 CP43 Tupiza, Bolivia, 6-9:30 p.m.  
15107 TGWA Guatamala City, Guat., 12:45-2 p.m.  
15175 OQ2AA Leopoldville, Bel. Con., 1:55-2:15 p.m., 5:55-7:15 a.m.  
15180 RV96 Moscow, U.S.S.R., 10-10:50 a.m., 7:30-8 p.m., 9-10 p.m.  
GSO London, Gt. Britain, 7:15-8:15 a.m.  
DIQ Berlin, Germany, 2:30-2:45 p.m.  
15190 OIE Helsinki, Finland, 1:15 p.m. to 9 p.m.  
XGOX Szechwan, China, 8:30-9:30 p.m., 10-11:05 p.m.  
15195 TAQ Ankara, Turkey, 6-6:30 a.m.  
15200DJB Berlin, Germany, 6-8:45 a.m., 11:30-11:45 a.m., 12:30-12:45 p.m., 4:50-11  
15210 RV96 Moscow, U.S.S.R., 6-8 p.m. *v w 805*  
15220 PCJ-2 Amsterdam, Netherlands, 6:30-10:45 a.m., 3-10:45 p.m.  
15225 JLT-3 Tokyo, Japan,  
15230 12RO-14 Rome, Italy, at noon  
VLG-6 Sydney, Australia, hrd. fater midnight  
..... New, U.S.S.R., 6-7 p.m.  
15240 YUF Belgrade, Yugoslavia, To South America  
YUG Belgrade, Yugoslavia, To North America  
..... Vichy, France, 8:30-9 a.m., 9:15-9:45 a.m.  
15242 RV- - New, U.S.S.R. until 3 p.m.  
15250 CR7BD Lourenzo Marques, Mozambique, 4:30-6:30 a.m., 9:30-11 a.m.  
Noon-4 p.m.  
15270 WLWO Cincinnati, 8-11 a.m.  
WRUL Boston, Mass., 10 a.m.-6 p.m.  
15260 GSI London, Gt. Britain, 10:30-10:45 a.m. Sun.  
15265 RV- - New, U.S.S.R. until 3 p.m.  
WCAB Philadelphia, Pa., 1-6 p.m.  
WCBX New York, N. Y., 7 a.m. to noon  
15276 RV- - New, U.S.S.R. until 10 p.m.  
15280 DIQ Berlin, Germany, 12:05-11:10 a.m.  
15287 RV- - New, U.S.S.R. until 3 p.m.  
15290 VUD3 Delhi, India, 9:05 p.m.-mid., 1-4:25 a.m.  
15290 LRU Buenos Aires, Argentina, 8-10 a.m.  
15295 RV- - New, U.S.S.R. Sunday morning  
15300 12RO-6 Rome, Italy, Noon-1:15 p.m.  
CXA-13 Monaevideo, Uruguay,  
MTCY Hsingking, Manchukuo, 3-3:50 p.m.  
15310 GSP London, Gt. Britain, 10-10:55 a.m., 2:30-5 p.m.  
RW97 Novosibirsk, U.S.S.R. until 4 p.m.  
YDB Soerabaja, Java, 4:30-10:30 a.m., 6-7:30 p.m.  
15315 VLQ3 Sydney, Australia,  
15320 WRUL Boston, Mass.,

- 15325 JLT3 Toyko, Japan, 9-10:30 p.m.
- 15330 WGEA Schenectady, N. Y., till 5 p.m.
- KGEI San Francisco, Calif., 8 p.m.-1 a.m.
- 15340 DJR Berlin, Germany, mid-11 a.m., 5-10:50 p.m.
- 15350 WRUL Boston, Mass.
- 15360 DZG Berlin, Germany, mid-2:10 a.m.
- WRUW Boston, Mass., afternoons
- 15410 RV-96 Moscow, U.S.S.R., mornings until 2 p.m.
- 15427 ..... ??, U.S.S.R. until 3 p.m.
- 15590 12RO-17 Rome, Italy, at 7:45 a.m.
- 16200 RV- - Moscow, U.S.S.R., Su. 10-11 a.m.
- 15280 DJQ Berlin, Germany, 12:05-11:10 a.m., 4:50-8:50 p.m. (Port.)
- 15300 12RO-6 Rome, Italy, Noon-1:15 p.m., 8-11 p.m.
- 15330 WGEA Schenectady, N. Y., 11:15 a.m.6 p.m.
- WRUW Boston, Mass., Noon-5:45 p.m.

### 17000 kcs. band

- 17750 WRUL Boston, Mass., Noon-2:45 p.m., ex. Sa. 10:30 a.m.-1:30 p.m. & Su.
- 17760 DJE Berlin, Germany
- 17780 WRCA New York, N. Y., 9 a.m.-6:15 p.m.
- 17790 GSG London, Great Britain
- 17795 JLU-4 Tokyo, Japan
- 17800 OIH Helsinki, Finland, not in use
- TGWA Guatamala City, Guatamala, not in use
- WLWO Cincinnati, Ohio
- 17810 GSV London, Great Britain, mornings.
- 17830 LRA-5 Buenos Aires, Argentina Fr. at 4 p.m.
- WCBX New York, N. Y. Not in use
- 17840 HVJ Vatican City
- 17890 GRP London, Great Britain, 6-11:30 a.m. (Sp.)

### 21000 kcs. band

- 21470 GSH London, Great Britain, mornings.
- 21500 WGEA Schenectady, N. Y., 8-11 a.m.
- WCBX, New York, N. Y., not in use
- WCRC, New York, N. Y., not in use
- 21530 GSJ London, Great Britain
- 21540 WBOS Boston, Mass.
- 21550 OII Helsinki, Finland, not in use
- 21565 DJJ Berlin, Germany
- 21570 WCBX New York, N. Y., not in use
- WCRC New York, N. Y., not in use
- 21630 WRCA New York, N. Y.
- 21680 HAD Budapest, Hungary

*signals are radiated, verification signers, and antenna heights. There may be other items, but these are up to the readers of RADEX. We have considerable data on hand and are planning to secure more. However, in order to be assured that our list will be even more complete, we are asking you, the RADEX reader, to submit all the latest data on stations in your community and to let us know when you receive a verification that contains new information.*

### Antennas

*Requests have been received from time to time for data on what we consider the best all around antenna for this or that receiver. The answer, we believe lies only in experiment. For the DXer never knows what type of antenna best suits his locality or receiver, until he tries several. We'd like to do an article on the various types of antennas used by RADEX fans. If you have found a successful combination for yourself, why not let other readers in on it. If you have tried several and are still looking for improvement, why not write anyhow, perhaps someone among our readers can give you a few suggestions!*

### Code of Ethics

Every RADEX Club member is duty bound to include return postage when writing a radio station, unless the station has announced that they verify for less.

Every RADEX Club member should furnish the station with a complete and USEFUL report.

Every RADEX Club member should always display his RADEX

# MONTH'S CHANGES IN STATION DATA

	<b>New</b>	<b>Frequency and Power</b>
580	Orizaba, V. Cruz., 100 w.	560 from 1490 KPQ 250 to 1000 w.
590	Reynosa, Tamps., 250 w.	560 from .... KWTO 5000 to 1000 w.
640	Morelia, Mich., 100 w.	570 from .... KUTA, 250-1000 w.
760	Uruapan, Mich., 350 w.	580 from .... WIAC, 1000 to 5000 w.
920	WTTM Trenton, N. J., 1000 w.	580 from .... KEMU, 250 to 250(.5) w.
980	WGBG Greensboro, N. C., 1000 w.	590 from .... WKZO, 1000-1000(5) w.
1010	XEJB Guadalajara, Jal., 5000 w.	590 from 1480 WAGA, 500 to 1000 w.
1020	Puebla, Pue., 250 w.	610 from 1490 KDAI, 250 to 1000 w.
1040	W9XC Mitchellville, Iowa 150 kw.	610 from .... XERJ, 600 to 500 w.
1110	Pasadena, Calif., 10000 w.	630 from .... KVOB, 1000 to 5000 w.
1180	Tezuitlan, Pue., 25 w.	680 from 1340 XECA, 250 to 1000 w.
1230	WFAM Lafayette, Ind., 250 w.	710 from .... KMPC, 1000 to 10000 w.
1240	Hollywood, Calif., 250 w.	740 from .... KQW, 1000 to 50000 w.
1240	KWRC Pendleton, Oreg., 250 w.	790 from .... WMC, 1000 to 5000 w.
1330	WFIN Findlay, Ohio, 1000 w.	910 from .... WRNL, 1000 to 50000 w.
1340	..... Tepatitlan, Jal., 100-w.	950 from .... WSPA 1000 to 5000 w.
1370	XETQ Orizaba, V. Cruz, 250 w.	980 from 1450 XEY, 250 to 500 w.
1390	..... Tuxpan, V. Cruz, 250 w.	990 from .... WIBG, 1000 to 10000 w.
1400	..... Springfield, Mo., 250 w.	1010 from 1240 KLR, no change
1400	WRRN Warren, Ohio, 250 w.	1010 from .... CMX, 10000 to 25000 w.
1400	..... Casas Grandes, Chih., 100 w.	1030 from 550 XERZ, no change
1410	CMAQ Pinar del Rio, Cuba, 1000 w.	1090 from 1400 KEVR, 100-250 w.
1430	..... Navojoa, Son., 500 w.	1170 from 1340 XELW, 250 to 500 w.
1430	KWKW Pasadena, Calif., 1000 w.	1230 from 1150 KFIO, 100 to 250 w.
1430	..... Peterborough, Ont., 1000 w.	1240 from 1400 KMAC, no change
1440	KILO Grand Forks, N. Dak., 500 w.	1240 from 1340 KWOS, no change
1440	KPRO Riverside, Calif., 1000 w.	1250 from .... XEH, 250 to 500 w.
1450	WJPA Washington, Penna., 250 w.	1270 from .... XEFV, 100 to 250 w.
1470	..... Houston, Tex., 1000 w.	1270 from 1440 XERT, no change
1480	..... Tlaxcala, Tlax., 500 w.	1270 from .... XEDN, 250 to 150 w.
1490	..... Aguascalientes, Ags., 150 w.	1290 from .... KHSL, 500 to 1000 w.
1490	KONB Omaha, Nebr., 250 w.	1290 from .... KHSL, 500 to 1000 w.
1490	WOSH Oshkosh, Wisc., 250 w.	1290 from 1490 WNB, 250 to 5000 w.
1490	KFFA Helena, Arkansas, 250 w.	1290 from .... WTOC, 100- to 5000 w.
		1310 from .... XEC, 100 to 250 w.
		1320 from .... KLCN, 100 to 100 w.
		1330 from 1340 XECF, 150 to 1000 w.
		1340 from .... XEDH, 200 to 25 w.
		1340 from .... KMYR, 100 to 250 w.
		1390 from .... WGES, 1000 to 5000 w.
		1400 from .... XEPF, 100 to 200 w.
		1420 from .... CMCQ, 250 to 5000 w.
		1420 from 1140 XEON, no change
		1420 from 1400 XEF, no change
		1450 from .... XEBQ, 100 to 250 w.
		1460 from 1360 XEWG, no change
		1470 from .... XESM, 1000 to 1000(5) w.
		1480 from 1490 WRDW, 250 to 5000 w.
		1520 from .... WHIP, to unltd. time
		1550 from 1010 XEBG, 500 to 1000 w.

### (Channel Chatter)

CFCT in Victoria, B. C., "The City of Sunshine and Flowers," verified with a card signed by Dave Armstrong.

**1490 kcs.**

KBUR schedule is as follows Sundays from 9 a.m. to midnight, and week-days from 6:30 a.m. to midnight. Verifications are signed by the Chief Engineer, Willis Wilson! Len Kruse forwards this info.

*KTBL, Tacoma, Wash., was heard at 12:30 a.m. on August 31, signing off its first broadcast day. Last half hour is devoted to "I Don't wanta Go To Bed Time" request program.*

**1500 kcs.**

KSTP is vastly improved over the 1460 kcs. assignment. This is by far the best received American station at night in Regina, regardless of distance and power.

**1520 kcs.**

KOMA is sometimes bothered by W'WBW of Buffalo on this channel.

**1540 kcs.**

(Please turn to page 96)

### Delete

XEJS on 1150 kcs.

### Locations

CMKG to Victoria de las Tunas, from Santiago  
 XESK to Juarez from Nogales  
 XEMJ to Piedras Negras, from Nueva Rosita  
 XEMG to Durango from Monterrey  
 XESY to Cananen from Nogales  
 XEWE to Irapuato from Silao  
 XEJX to Queretaro, from Aguascaliente  
 XEAW to Reynosa from Monterrey  
 XEY to Nogales from San Luis Rio Colorado

### Call Letters

WCRS from WMDF (1450 kcs.)  
 KEEW from KGFI (1490 kcs.)  
 XEOY from XEPX (1000 kcs.)  
 XEGL from XEDL (1270 kcs.)  
 XEAX from XEXH (1270 kcs.)  
 XEHF from XEAF (1370 kcs.)

# American Broadcast Station Index

By frequencies - With names of owners

## KEY TO SYMBOLS

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

As soon as possible after a station has been granted a construction permit to change frequency, power, or other facilities, the change will be made in our listing. Until such time as the station is known to commence use of the new facilities, the letter (P) will designate that the station has a construction permit only. This method, it is believed, will eliminate the possibility of a station making a change before we have had the opportunity to list it.

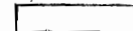
**Second Column Symbols**  
 A—Status in doubt.  
 B—National "Blue" Network.  
 C—Columbia Network.  
 D—Daytime only.  
 E—Minor Network.  
 F—Canadian Network.  
 G—Specified Hours.  
 K—Licensed for facsimile.  
 L—Limited time.  
 M—Mutual Network.  
 N—National "Red" and "Blue" Networks.  
 O—RHC-Cadena Azul (Cuban Network)

P—Has Construction Permit only.  
 Q—Station not in use.  
 R—National "Red" eNtwork.  
 S—Synchronized.  
 Sx—Indicates a "Booster" (or amplifier, or satellite) station working with larger station. The main station is indicated by S.  
 a-b-c—Small letters show stations using same transmitter.

**Fourth Column Symbols**  
 a—verifies for return postage.  
 b—Verifies only occasionally.  
 d—Verifies for government postal card.  
 e—Verifies free.  
 f—Verifies for 10 cents.  
 g—Card for postage; veri stamp for 10c.  
 z—No information available.  
 1-2-3—Figures denote stations sharing time.  
 ?—Reported but not officially confirmed.  
 ....—No information.

### 540 kcs. (552.2 m.)

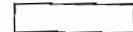
CBK F 5000



a Watrous, Sask., Canadian Brdctsg. Corp.

### 550 kcs. (545.1 m.)

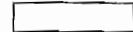
CFNB F 1000  
 CMW ... 2500  
 KFVR N 5000  
 KOAC ... 1000(5)  
 KOY C 1000  
 KSD R 1000(5)  
 K TSA C 1000(5)  
 WDEV D 1000  
 WGR CM 1000(5)  
 WKRC M 1000(5)  
 W SVA D 1000



a Fredericton, N. B., James S. Neill & Sons, Ltd.  
 a Havana, Cuba, Troncoso y Gil  
 a Bismarck, N. Dak., Meyer Brdctsg. Co.  
 a Corvallis, Ore., State Agricultural College  
 g Phoenix, Ariz., Salt River Valley Brdctsg. Co.  
 a St. Louis, Mo., Pulitzer Pub. Co.  
 a San Antonio, Tex., Sunshine Brdctsg. Co.  
 a Waterbury, Vt., Radio Station WDEV  
 a Buffalo, N. Y., Buffalo Brdctsg. Corp.  
 a Cincinnati, Ohio, Cincinnati Times-Star Co.  
 a Harrisonburg, Va., Shenandoah Valley Brdctsg. Corp.

### 560 kcs. (535.4 m.)

CJKL F 1000  
 CMKM ... 250  
 KFDM ... 1000  
 KLZ C 5000  
 KPO PM 1000  
 KSFO C 1000(5)  
 KWTO ... 1000(5)  
 WFIL ... 1000  
 WGAN C 5000  
 WIND ... 5000  
 WIS N 5000  
 WQAM C 1000  
 XEOP ... 1000



a Kirkland Lake, Ont., Northern Brdctsg. Co. Ltd.  
 a Manzanillo, Cuba, Raimundo Comas Soler.  
 MTA Beaumont, Tex., Beaumont Brdctsg. Corp.  
 a Denver, Colo., KLZ Brdctsg. Co.  
 a Wenatchee, Wash., West Brdctsg. Co.  
 a San Francisco, Calif., Associated Broadcasters, Inc.  
 a Springfield, Mo., Ozarks Brdctsg. Co.  
 BMQa Philadelphia, Pa., WFIL Brdctsg. Co.  
 a Portland, Me., Portland Brdctsg. System, Inc.  
 a Gary, Ind., Johnson-Kennedy Radio Corp.  
 a Columbia, S. C., Liberty Life Ins. Co.  
 a Miami, Fla., Miami Brdctsg. Co.  
 a Mexico City, D. F.

### 570 kcs. (526 m.)

CMHI O 10000  
 KGKO N 5000  
 KMTR ... 1000  
 KUTA N 1000(5)  
 KVI C 5000  
 WKBN G2X 5000  
 WMAM D 250  
 WMCA ... 5000  
 WNAX C 5000  
 WSYR X 1000  
 WWNC X 1000



a Santa Clara, Cuba, RHC Cadena Azul  
 a Fort Worth, Tex., KGKO Brdctsg. Co.  
 a Los Angeles, Calif., KMTR Radio Corp.  
 a Salt Lake City Utah, Utah Brdctsg. Co.  
 a Tacoma, Wash., Puget Sound Brdctsg. Co., Inc.  
 Ca Youngstown, Ohio, WKBN Brdctsg. Corp.  
 x Marinette, Wis., M and M Brdctsg. Co.  
 Ia New York, N. Y., Knickerbocker Brdctsg Co., Inc.  
 a Yankton, S. Dak., WNAX Brdctsg. Co.  
 Ca Syracuse, N. Y., Central New York Brdctsg. Corp.  
 Ca Asheville, N. C., Asheville Citizen-Times Co., Inc.

**BROADCASTING STATIONS BY FREQUENCIES**

**580 kcs. (516.9 m.)**

CKCL	F	1000
CKPR	F	1000
CKUA	F	1000
KMJ	EN	5000
KSAC	2	500(1)
WCHS	C	5000
WDBO	C	5000
WIAC	P	5000
WIBW	C2	5000
WILL	D	5000
WTAG	X	1000(5)
XEMU	....	250(5)
....	....	1000

a	Toronto Ont., Dominion Battery Co., Ltd.
a	Port Arthur, Ont., Douglal Motor Car Co., Ltd.
b	Edmonton, Alta., University of Alberta.
a	Fresno, Calif., McClatchey Brdcastg. Co.
a	Manhattan, Kans., State College of Agriculture
a	Charleston, W. Va., Charleston Brdcastg. Co.
a	Orlando, Fla., Orlando Brdcastg. Co.
z	San Juan, P. Rico, Enrique Abarca Sanfeliz.
a	Topeka, Kans., Topeka Brdcastg. Assn., Inc.
a	Urbana, Ill., University of Illinois.
RYa	Worcester, Mass., Worcester Telegram Pub. Co., Inc.
z	Piedras Negras, Coah., Radiodifusora de Piedras Negras.
z	Orizaba, V. Cruz

**590 kcs. (508.2 m.)**

CMCY	O	15000
KGMB	CM	5000
KHQ	ER	5000
WAGA	BP	5000
WEEL	C	5000
WKZO	B	1000(5)
WMBS	C	1000
WOW	R	5000
XEPH	....	5000
YVSR	B	1000
....	....	250

a	Havana, Cuba, RHC-Cadena Azul.
a	Honolulu, T. H., Hawaiian Brdcastg. System, Ltd.
a	Spokane, Wash., Louis Wasmer, Inc.
a	Atlanta, Ga., Liberty Bcstg. Corp.
a	Boston, Mass., CBS, Inc.
a	Kalamazoo, Mich., WKZO, Inc.
a	Uniontown, Pa., Fayette Brdcastg. Corp.
a	Omaha, Nebr., Woodmen of the World.
z	Mexico City, D. F.
a	Caracas, Venezuela, Suegart y Cia.
z	Reynosa, Tamps.

**600 kcs. (499.7 m.)**

CFCF	BF	500
CFCH	F	1000
CFOC	F	1000
CFOR	....	1000
CMKV	O	1000
FQN	609	250
HJFX	....	1000
KFSD	B	5000
KROD	C	500(1)
TIGPH	605	1000
WCAO	C	500(1)
WICC	....	500(1)
WMT	BM	5000
WREC	C	5000
WSJS	MN	1000
XEOH	....	1000
XESF	....	250
XEZ	....	2000

a	Montreal, P. Q., Canadian Marconi Co.
a	North Bay, Ont. R. H. Thompson
a	Saskatoon, Sask., A. A. Murphy & Sons, Ltd.
a	Vancouver, B. C., CFOR, Ltd.
a	Holguin, Cuba, RHC-Cadena Azul.
a	St. Pierre, Miquelon, G. Salomon.
z	Manizales, Colombia
a	San Diego, Calif., Airfan Radio Corp., Ltd.
a	El Paso, Tex., Dorrence D. Roderick.
a	San Jose, Costa Rica, Gonzalo Pinto H.
a	Baltimore, Md., Monumental Radio Co.
BDMYf	Bridgeport, Conn., The Yankee Network, Inc.
a	Cedar Rapids, Iowa, Iowa Brdcastg. Co.
a	Memphis, Tenn., WREC Brdcastg. Service.
a	Winston-Salem, N. C., Piedmont Pub. Co.
z	Torreon, Coah.
z	Morelia, Micho.
z	Merida, Yuc., Jorge L. Palomeque.

**610 kcs. (491.5 m.)**

CHNC	F	1000
CIAT	F	1000
KDAL	CP	1000
KFAR	....	1000
KFRK	M	5000
WAYS	P	1000
WCLF	DM	500
WDAF	R	5000
WIOD	N	5000
WIP	....	5000
WMUR	P	1000(5)
XEBX	....	500
XERJ	....	500

a	New Carlisle, P. O., Gaspesian Radio Co., Ltd.
a	Trail, B. C., Kootenay Brdcastg. Co., Ltd.
a	Duluth, Minn., Red River Bcstg. Co., Inc.
a	Fairbanks, Alaska, Midnight Sun Brdcastg. Co.
b	San Francisco, Calif., Don Lee Brdcastg. System.
z	Charlotte, N. C., Inter-City Advertising Co.
a	Cleveland, Ohio, United Brdcastg. Co.
a	Kansas City, Mo., Kansas City Star Co.
a	Miami, Fla., Isle of Dreams Brdcastg. Corp.
1a	Philadelphia, Pa., Pa. Brdcastg. Co.
z	Manchester, N. H., Radio Voice of N. H., Inc.
z	Sabinas, Coah., Benito Garza Ortegon.
z	Mazatlan, Sin., Oscar Perez E

**620 kcs. (483.6 m.)**

CKCK	F	1000
CMTK	....	250
KGW	ER	5000
KTAR	EN	5000
KWFT	....	1000(5)
TIPG	625	5000
WAGE	....	1000
WHJB	D	250
WKAQ	C	5000
WLBZ	X	500(1)
WROL	N	500(1)
WSUN	N	5000
WTMJ	N	5000
XENK	....	5000

a	Regina, Sask., Leader-Post, Ltd.
a	Camaguey, Cuba, Jones, Castrillon y Cia.
a	Portland, Ore., Oregonian Pub. Co.
a	Phoenix, Ariz., KTAR Brdcastg. Co.
CMTa	Wichita Falls, Tex., Wichita Brdcastg. Co.
b	San Jose, Costa Rica, Claudia Hartinos.
a	Syracuse, N. Y., Sentinel Brdcastg. Corp.
a	Greensburg, Pa., Pittsburgh Radio Supply House.
a	San Juan, Puerto Rico, Radio Corp. of Puerto Rico.
DMNYa	Bangor, Maine, Maine Brdcastg. Co.
a	Knoxville, Tenn., Stuart Brdcastg. Corp.
a	St. Petersburg, Fla., City of S. P.
a	Milwaukee, Wis., The Journal Co.
z	Mexico City, D. F.

## BROADCASTING STATIONS BY FREQUENCIES

### 630 kcs. (475.9 m.)

CFCO	F	100
CFCY	F	1000
CJRC	F	1000
CKOV	F	1000
CMZ	....	5000
KGFX	D	200
KOH	N	1,000
KVOD	B	5000
KXOK	....	5000
WMAL	B	5000
WPRO	C	5000
XEFB	....	500
YVKA	....	....

- 
- a Chatham, Ont., John Beardall.
  - a Charlottetown, P. E. I., Island Radio Brdcastg. Co.
  - a Winnipeg, Man., Transcanada Communications, Ltd.
  - a Kelowna, B. C., Okanagan Broadcasters, Ltd.
  - z Havana, Cuba, Constitutional Army.
  - a Pierre, S. Dak., Dana McNeil Estate.
  - a Reno, Nev., The Bee, Inc.
  - a Denver, Colo., Colorado Radio Corp.
  - a St. Louis, Mo., StarTimes Pub. Co.
  - a Washington, D. C., NBC, Inc.
  - a Providence, R. I., Cherry & Webb Brdcastg. Co.
  - a Monterrey, N. L., Jesus Quintanilla,
  - z Caracas, Venezuela, Radiodifusora Nacional

### 640 kcs. (468.5 m.)

HOK	....	....
KFI	R	50000
VONF	....	12500
WHKC	LM	500
WNAD	D	1000
WOI	D	5000
YSS	....	500
	....	100

- 
- z Colon, Panama, La Voz de la Victor.
  - f Los Angeles, Calif., Earle C. Anthony, Inc.
  - a St. John's NFLD., Brdcastg. Corp of NFLD.
  - a Columbus, Ohio, United Brdcastg. Corp.
  - a Norman, Okla., University of Okla.
  - a Ames, Iowa, Iowa State College of Agriculture.
  - a San Salvador, El Salvador.
  - z Morelia, Michia.

### 650 kcs. (461.3 m.)

WSM	N	50000
-----	---	-------

- 
- a Nashville, Tenn., National Life & Accident Ins. Co.

### 660 kcs. (454.3 m.)

KOWH	BD	500
KSKY	DP	1000
WEAF	R	50000
XEBZ	....	500
YNPH	....	600

- 
- a Omaha, Nebr., World Pub. Co.
  - z Dallas, Texas., Chilton Radio Corp.
  - a New York, N. Y., NBC.
  - a Mexico City, D. F., Refugio Esperza Vda.
  - z Managua, Nicaragua.

### 670 kcs. (447.5 m.)

WMAQ	R	50000
------	---	-------

- 
- c Chicago, Ill. NBC, Inc.

### 680 kcs. (440.9 m.)

KFEQ	L	500(2.5)
KPO	R	50000
VAS	685	2000
WLAW	....	5000
WISR	DP	250
WPTF	N	50000
XECA	....	1000
XED	....	1000

- 
- a St. Joseph, Mo., KFEQ, Inc.
  - a San Francisco, Calif., NBC, Inc.
  - f Glace Bay, N. S., Canadian Marconi Co., Ltd.
  - a Lawrence, Mass., Hildreth & Rogers Co.
  - z Butler, Pa., Butler Brdcastg. Co.
  - a Raleigh, N. C., WPTF Radio Co.
  - z Tampico, Tamps. Nicolas M. Picet
  - e Guadalajara, Jal., Cia. Radiofonografica.

### 690 kcs. (434.5 m.)

CBF	N	50000
CMO	N	15000(25)
KGGF	....	500(1)
TIGH	....	1000
XEAC	....	5000
XEN	....	5000

- 
- a Montreal, P. Q., CBC.
  - a Havana, Cuba, Cambo y Gabriel.
  - Ma Coffeyville, Kans., Hugh J. Powell.
  - b San Jose, Costa Rica, Gonzalo Garcia.
  - a Tijuana, B. Cfa., Jorge I. Rivera.
  - a Mexico City, D. F., Radio Mundial.

### 700 kcs. (428.3 m.)

VOWR	....	500
WLW	KN	50000

- 
- c St. John's, Nfld., Wesley United Church.
  - a Cincinnati, Ohio, Crosley Corp.

### 710 kcs. (422.3 m.)

KIRO	C	50000
KMPC	C	10000
WOR	KM	50000

- 
- a Seattle, Wash., Queen City Brdcastg. Co.
  - a Beverly Hills, Calif., KMPC Station of the Stars.
  - a New York, N. Y., Bamberger Brdcastg. Service.

### 720 kcs. (416.4 m.)

HJCU	....	5000
Ti4NRH	725	750
WGN	KM	50000

- 
- z Bogota, Colombia, "Radio Cristal"
  - f Heredia, Costa Rica, Amando Cespedes Marin.
  - b Chicago, Ill., WGN, Inc.

### 730 kcs. (410.7 m.)

CKAC	C	5000
XEDP	....	150000

- 
- a Montreal, P. Q., La Presse Pub. Co., Ltd.
  - a Mexico City, D. F., Depto. de Publicidad y Propaganda.

## BROADCASTING STATIONS BY FREQUENCIES

### 740 kcs. (405.2 m.)

CBL	F	5000
CMJN	O	1000
CMK	....	250
KQW	....	50000

a	Toronto, Ont., CBC.
a	Camaguey, Cuba, RHC-Cadena Azul.
a	Havana, Cuba, Radiodifusion O'Shea.
Ma	San Jose, Calif., Pacific Agricultural Foundation

### 750 kcs. (399.8 m.)

KMMJ	L	1000
PING	....	375
WHEB	L	1000
WSB	R	50000

a	Grand Island, Nebr., KMMJ, Inc.
z	San Jose, Costa Rica, Narcisco Garcia.
a	Portsmouth, N. H., Granite State Brdcastg. Corp.
a	Atlanta, Ga., Atlanta Journal Co.

### 760 kcs. (394.5 m.)

KGU	LN	2500
WJR	C	50000
....	....	350

a	Honolulu, Hawaii, Advertiser Pub. Co., Ltd.
c	Detroit, Mich., WJR, The Goodwill Station.
z	Uruapan, Mich.

### 770 Kcs. (389.4 m.)

KXA	L	1000
WBAL	S	2500
WCAL	2D	5000
WEW	D	1000
WTZ	S	50000
WLB	2D	5000

a	Seattle, Wash., American Radio Telephone Co.
BMa	Baltimore, Md. WBAL Brdcastg. Co.
a	Northfield, Minn., St. Olaf College.
a	St. Louis, Mo., St. Louis University.
Ba	New York, N. Y., NBC, Inc.
a	Minneapolis, Minn., University of Minn.

### 780 kcs. (384.4 m.)

KFAB	S	10000
WBBM	CS	50000

CEa	Lincoln, Nebr., KFAB Brdcastg. Co.
a	Chicago, Ill., Columbia Brdcastg. System.

### 790 kcs. (379.5 m.)

CKSO	F	1000
CMBC	....	1000(5)
KECA	....	5000
KFDY	D	1000
KFQD	G	250
KGHL	N	5000
WEAN	....	5000
WEAU	....	100(5)
WMC	R	5000
WPIC	D	1000
WPRA	....	1000(2.5)
WTAR	N	5000
XELJ	....	500
XERC	....	1000
YV5RB	....	10000
ZNS	....	1000

a	Sudbury, Ont., Sudbury Star.
a	Havana, Cuba, El Progreso Cubano.
a	Los Angeles, Calif., Earle C. Anthony, Inc.
a	Brookings, S. Dak., S. Dak. State College.
c	Anchorage, Alaska, Anchorage Radio Club, Inc.
a	Billings, Mont., Northwestern Auto Sup. Co., Inc.
BDMYa	Providence, R. I., The Yankee Network, Incc.
a	Memphis, Tenn., Memphis Publishing Co.
a	Sharon, Pa., Sharon Herald Brdcastg. Co.
a	Mayaguez, P. R., P. R. Advertising Co., Inc.
g	Norfolk, Va., WTAR Radio Corp.
z	Nuevo Laredo, Tams.
z	Mexico City, D. F., Carlos Dragome Narro.
a	Caracas, Venezuela, Degwitz & Sibilitz.
d	Nassau, Bahamas, Supt. of Telegraphs.

### 800 kcs. (374.8 m.)

CHRC	P	1000
CKLW	FM	5000
....	P	1000
XESK	P	150000

a	Quebec, P. Q., CHRC, Inc.
a	Windsor, Ont., Western Ont. Brdcastg. Co.
z	Holguin, Cuba.
z	Nogales, Son.

### 810 kcs. (370.2 m.)

CMHQ	....	5000
HJCI	....	2500
KGO	....	7500
KOAM	D	1000
WGY	R	50000
XEFW	....	50000

a	Santa Clara, Cuba, T. Rio Leon.
z	Bogota, Colombia, "La V. de la Victor"
Ba	San Francisco, Calif., NBC.
Na	Pittsburg, Kans., Pittsburg Brdcastg. Co., Inc.
a	Schenectady, N. Y., Gen. Electric Co.
a	Iampico, Tams., Flores y Martinez.

### 820 kcs. (365.6 m.)

WBAP	ENa	50000
WFAA	ENa	50000
WOSU	....	5000
WTBO	L	250

a	Fort Worth, Tex., Carter Publications, Inc.
a	Dallas, Tex., A. H. Belo Corp.
a	Columbus, Ohio, Ohio State Univ.
Qa	Cumberland, Md., Associated Brdcastg. Corp.

### 830 kcs. (361.2 m.)

CMAX	D	250
TIEP	....	3000
WCCO	C	50000
WNYC	L	1000
XELA	....	1000

a	Artemisa, Cuba.
a	San Jose, Costa Rica, Eduardo Pinto H.
g	Minneapolis, Minn., Columbia Brdcastg. Sys.
a	New York, N. Y., Municipal Brdcastg. Sys.
z	Mexico City, D. F., Radio Metropolitana.

## BROADCASTING STATIONS BY FREQUENCIES

### 840 kcs. (356.9 m.)

VOGY .... 400  
WHAS C 50000

a St. John's, Nfld., Nfld. Hotel.  
a Louisville, Ky., Courier-Journal and Louisville Times

### 850 kcs. (352.7 m.)

KFUO L 5000  
KOA R 50000  
WEEU DN 1000  
WHDH L 1000  
WRUF L 5000

a Clayton, Mo., Evangelical Luthern Synod of Mo.  
a Denver, Colo., NBC, Inc.  
a Reading, Pa., Berks Brdcstg. Co.  
a Boston, Mass., Matheson Radio Co., Inc.  
a Gainesville, Fla., University of Fla.

### 860 kcs. (348.6 m.)

CFRB C 10000  
CMBL .... 5000  
KTRB DX 250  
WSON .... 250  
XEMO .... 5000  
XEXX .... 5000

a Toronto, Ont., Rogers Radio Brdcstg. Co., Ltd.  
a Havana, Cuba, Radio Cadena Suaritos.  
a Modesto, Calif., KTRB Brdcstg. Co., Inc.  
z Henderson, Ky.  
a Tijuana, B. Cfa., Fernando Federico Ferreira.  
z Mexico City, D. F., Univ. Nacional de Mexico.

### 870 kcs. (344.6 m.)

HJCC .... 5000  
LEV D 250  
WHCU CL 1000  
WKAR D 5000  
WWL C 50000

z Bogota, Colombia, "La V. de Bogota"  
a Glendale, Calif., Cannon Sys. Ltd.  
a Ithaca, N. Y., Cornell University.  
a E. Lansing, Mich., Mich. State College.  
a New Orleans, La., Loyola University.

### 880 kcs. (340.7 m.)

WABC C 50000  
WHB DM 1000  
YV5RQ 882 1000

a New York, N. Y., Columbia Brdcstg. Sys.  
a Kansas City, Mo., WHB Brdcstg. Co.  
b Caracas, Venez. "Radio Libertador."

### 890 kcs. (336.9 m.)

WENR Ba 50000  
WLS Ba 50000

c Chicago, Ill., NBC, Inc.  
a Chicago, Ill., Agricultural Brdcstg. Co.

### 900 kcs. (333.1 m.)

CHML F 1000  
CJBR F 1000  
CKBI F 1000  
CMKS .... 250  
XEW .... 100000

a Hamilton, Ont., Maple Leaf Radio Co., Ltd.  
a Rimouski, P. Q., J. A. Brilliant.  
a Prince Albert, Sask., Prince Albert Radio Corp.  
a Guantanamo, Cuba, Candido Savon Suarez.  
a Mexico City, D. F., Cadena Radiodifusora Mexicana.

### 910 kcs. (329.6 m.)

..... P 1000  
CBO F 1000  
CFJC .... 1000  
CMCF .... 5000  
KFKA M2 1000  
KLX .... 1000  
KPOF 2 1000  
KRRV .... 1000  
KVAN D 250  
WCOC C 1000  
WFDF B 1000  
WGBI 3 500(1)  
WJHL .... 1000  
WQAN 3 500(1)  
WRNL B 5000  
WSUI .... 1000(5)  
XEAO .... 250

z Antigonish, N. S.  
a Ottawa, Ont., CBC.  
Fa Kamloops, B. C., Kamloops Sentinal Ltd.  
Oa Havana, Cuba, Cadena Azul.  
a Greeley, Colo., Mid-Western Radio Corp.  
a Oakland, Calif., Tribune Bldg. Co.  
a Denver, Colo., Pillar of Fire.  
MTa Sherman, Tex., Red River Valley Brdcstg. Corp.  
a Vancouver, Wash., Vancouver Radio Corp.  
a Meridian, Miss., Miss. Brdcstg. Co., Inc.  
a Flint, Mich., Flint Brdcstg. Co.  
CQf Scranton, Pa., Scranton Broadcasters, Inc.  
a Johnson City, Tenn., WJHL, Inc.  
a Scranton, Pa., Scranton Times.  
a Richmond, Va., Richmond Radio Corp.  
a Iowa City, Iowa, State University of Iowa.  
a Mexicali, B. Cfa., Chavez y Castro Sucs.

### 920 kcs. (325.9 m.)

CKNX .... 1000  
CMIL .... 5000  
HJCS .... 50000  
KARK N 5000  
KFNF 2 500(1)  
KFPY C 5000  
KUSD 2 500  
WBAA .... 1000(5)  
WBBB DP 1000  
WGST C 1000(5)  
WIAR R 5000  
WMMN C 5000

a Wingham, Ont., Wingham Radio Club.  
z Camaguey, Cuba, Gaspar Estevez P.  
z Bogota, Colombia, "Radio Continental"  
a Little Rock, Ark., Ark. Radio & Equipment Co.  
a Shenandoah, Iowa, KFNF, Inc.  
a Spokane, Wash., Symons Brdcstg. Co.  
a Vermillion, S. Dak., University of S. Dak.  
a W. Lafayette, Ind., Purdue University.  
z Burlington, N. C. Alamance Brdcstg. Co. Inc.  
a Atlanta, Ga., Georgia School of Tech.  
a Providence, R. I., Outlet Co.  
a Fairmont, W. Va., Monongahela Valley Brdcstg. Co.



## BROADCASTING STATIONS BY FREQUENCIES

UTTM P 1000  
 XEBH .... 1050  
 XEMJ .... 200

### 930 kcs. (322.4 m.)

CJCA F 1000  
 CMKN O 1000  
 KGBU ..... 500  
 KHJ BMS 5000  
 KSEI N 250(1)  
 WBEN R 5000  
 WFMD .... 500  
 WTAX N 1000(5)  
 WKY N 5000  
 WLBL D 5000  
 WPAT DP 1000  
 WSAZ .... 1000  
 WTAD C 1000

### 940 kcs. (319 m.)

CBM FR 5000  
 KTKC MP 5000  
 WMAZ LX 1000(5)  
 XEQ .... 50000

### 950 kcs. (315.6 m.)

CKNB F 1000  
 CMBZ .... 1000(5)  
 HIX .... 1000  
 KFEL M 5000  
 KOMO ER 5000  
 KPRC ER 5000  
 WAAF D 1000  
 WORL D 1000  
 WPEN .... 5000  
 WSPA C 5000  
 WWJ R 5000  
 XEGM .... 1000(2.5)

### 960 kcs. (312.3 m.)

CFAC F 1000  
 CHNS F 1000  
 CMHN E 1000  
 KMA B 1000(5)  
 KROW .... 5000  
 WBRC R 5000  
 WDBJ C 5000  
 WELI X 250(.5)  
 WSBT C 500  
 XEFE .... 1000  
 XEHK .... 250  
 XEOT .... 500  
 XEU .... 500  
 YV5RA .... 10000

### 970 kcs. (309.1 m.)

CMKU E 5000  
 HJCM .... 250  
 KOIN C 5000  
 WAAT .... 1000  
 WAVE N 5000  
 WCHS .... 5000  
 WDAY N 5000  
 WFLA .... 1000(5)  
 WHA D 5000  
 WICA D 1000  
 XEJ .... 5000  
 XEK .... 500  
 XEO .... 750

### 980 kcs. (306 m.)

CBV F 1000  
 CJRM F 1000  
 CKWX F 1000  
 CMCK .... 5000  
 KFVB E 5000  
 KMBC C 5000

z Trenton, N. J., Trent Brdst. Co.  
 a Hermosillo, Son., Carlos Balderrama.  
 z Piedras Negras

a Edmonton, Alta., North Western Publishers, Ltd.  
 a Santiago de Cuba, RHC-Cadena Azul.  
 a Ketchikan, Alas., Alaska Radio & Service Co., Inc.  
 a Los Angeles, Calif., Don Lee Brdstg. Sys.  
 a Pocatello, Idaho, Radio Service Corp.  
 a Buffalo, N. Y., WBEN, Inc.  
 a Frederick, Md., The Monocacy Brdstg. Co.  
 a Jacksonville, Fla., City of Jacksonville.  
 a Oklahoma City, Okla., WKY Radiophone Co.  
 a Stevens Point, Wis., State of Wis.  
 z Paterson, N. J., North Jersey Brdstg. Co., Inc.  
 a Huntington, W. Va., WSAZ, Inc.  
 a Quincy Ill., Ill. Brdstg. Corp.

a Montreal, P. Q., CBC.  
 f Visalia, Calif., Tulare-Kings Counties R. A.  
 Ca Macon, Ga., Southeastern Brdst. Co., Inc.  
 a Mexcio City, D. F., Radio Panamericana.

a Campbellton, N. B., Charles Houde  
 a Havana, Cuba, Radio Salas.  
 a Ciudad Trujillo, D. R., I.R., Saladin.  
 a Denver, Colo., Eugene P. O'Fallon.  
 a Seattle, Wash., Fishers Blend Station, Inc.  
 a Houston, Tex., Houston Printing Corp.  
 a Chicago, Ill., Drivers Journal Pub. Co.  
 a Boston, Mass., Brdstg. Serv. Organization, Inc.  
 a Philadelphia, Pa., Wm. Penn Brdstg. Co.  
 a Spartanburg, S. C., Spartanburg Adv. Co.  
 a Detroit, Mich., Evening News Ass'n.  
 z Tijuana, B. Cfa.

a Calgary, Alta., South Western Publishers, Ltd.  
 a Halifax, N. S., Maritime Brdstg. Co., Ltd.  
 a Santa Clara, Cuba, Cadena Radio Habana.  
 a Shenandoah, Iowa, May Brdstg. Co.  
 a Oakland, Calif., Educational Brdstg. Corp.  
 a Birmingham, Ala., Birmingham Brdstg. Co., Inc.  
 a Roanoke, Va., Times World Corp.  
 a New Haven, Conn., City Brdstg. Corp.  
 a South Bend, Ind., South Bend Tribune.  
 z Nuevo Laredo, Tam., Rafael T. Carranza.  
 z Guadalajara, Jal.  
 z Hermosillo, Son.  
 a Veracruz, Ver. C., Fernando Pazos S.  
 b Caracas, Venezuela, Almacen Americano.

a Santiago de Cuba, Cadena Radio Habana.  
 z Bogota, Colombia, "Nueva Granada"  
 a Portland, Ore., KOIN, Inc.  
 a Jersey City, N. J., Bremer Brdstg. Corp.  
 a Louisville, Ky., WAVE, Inc.  
 RYa Portland, Maine, Congress Square Hotel Co.  
 a Fargo, N. Dak., WDAY, Inc.  
 a Tampa, Fla., The Tribune Co.  
 a Madison, Wis., University of Wis.  
 a Ashtabula, Ohio, WICA, Inc.  
 a Juarez, Chih. Pedro Menesez, Jr.  
 a Mexico City, D. F., Arturo Martinez.  
 z Matamoros, Tam.

a Quebec, P. Q., CBC.  
 a Regina, Sask., Transcanada Comm., Ltd.  
 a Vancouver, B. C., Western Brdstg. Co., Ltd.  
 a Havana, Cuba, Luis Casa R.  
 a Los Angeles, Calif., Warner Bros. Brdstg. Corp.  
 a Kansas City, Mo., Midland Brdstg. Co.

## BROADCASTING STATIONS BY FREQUENCIES

WGBC	PD	1000
WHAL	DP	500
WRC	R	5000
WTRY	....	1000
XEFQ	....	500
XEXT	....	1000
XEY	P	500
YV2RB	....	500

### 990 kcs. (302.8 m.)

CKY	F	15000
CMHT	....	250
WIBG	....	10000
WNOX	X	500(5)
XECL	....	5000
XET	....	5000

### 1000 kcs. (299.8 m.)

CMKW	....	1000
KJR	....	5000
WCFL	N	10000
WINS	X	1000
XEOY	....	10000

### 1010 kcs. (296.9 m.)

CBY	F	1000
CFCN	F	10000
XEJB	....	5000
CMX	....	25000
XEQN	....	500
YV5RG	....	1000

### 1020 kcs. (293.9 m.)

KDKA	B	50000
KFVD	L	1000
	....	250

### 1030 kcs. (291.1 m.)

KOB	N	50000
WBZ	BS	50000
WRZA	BS	1000
XERZ	....	250

### 1040 kcs. (288.3 m.)

HJCZ	....	2500
WHO	R	50000
W9XC	....	150000

### 1050 kcs. (285.5 m.)

CMKG	....	250
WDZ	D	1000
WHN	X	1000(5)
XEG	....	150000
YV5RZ	....	300

### 1060 kcs. (282.8 m.)

CMCM	....	250
CMIA	....	250
HJCG	....	500
KYW	R	50000
XEST	....	50000

### 1070 kcs. (280.2 m.)

CBA	F	50000
KFBI	....	1000(5)
KNX	C	50000
WIBC	....	1000(5)

### 1080 kcs. (277.6 m.)

HHK	....	25000
HJAH	....	500
KRLD	C	50000
KWJJ	LX	500
KYOS	DM	250

z	Greensboro, N. C., Greensboro Bcstg. Co.
z	Saginaw, Mich., Gross and Shields.
a	Washington, D. C., NBC, Inc.
Ba	Troy, N. Y., Troy Brdctg Co., Inc.
z	Cananea, Son., Pedro L. Diaz.
z	Tepic, Nay., Gobierno del Estado de Nayarit.
z	Nogales, Son.
b	San Cristobal, Ven., J. M. Diaz Gonzalez

a	Winnipeg, Man., Man. Telephone Sys.
a	Trinidad, Cuba, Fernando E. Sato del Valle.
a	Philadelphia, Pa., Seaboard Radio Brdctg. Corp.
Ca	Knoxville, Tenn., Scripps-Howard Radio, Inc.
z	Mexicali, B. Cia., Alfonso A. Lacarra.
a	Monterrey, N. L., El Pregonero del Norte.

a	Santiago de Cuba, Claudio Alvarez Soriano.
Ba	Seattle, Wash., Fishers Blend Station, Inc.
a	Chicago, Ill., Chicago Federation of Labor.
Sa	New York, N. Y., Hearst Radio, Inc.
z	Mexico City, D. F.

a	Toronto, Ont., CBC.
a	Calgary, Alta., Voice of the Prairies, Ltd.
z	Guadalajara, Jal.
a	Havana, Cuba, Casa Lavin.
z	Nogales, Son.
b	Caracas, Ven., "Emisoras Unidas."

b	Pittsburgh, Pa., Westinghouse Radio Stations, Inc.
a	Los Angeles, Calif., Standard Brdctg. Co.
z	Puebla, Pue.

a	Albuquerque, N. Mex., Albuquerque Brdctg. Co.
a	Boston, Mass., Westinghouse Radio Stations, Inc.
a	Springfield, Mass., Westinghouse Radio Sta., Inc.
z	Leon, Gfo.

z	Bogota, Colombia, "La V. de Colombia"
a	Des Moines, Iowa, Central Brdctg. Co.
z	Mitchellville, Iowa, Central Brctg. Co.

z	Victoria, Cuba, Emilio Grau Medina
a	Tuscola, Ill., WDZ Brdctg. Co.
a	New York, N. Y., Marcus Loew Booking Agency
z	Monterrey, N. L.
a	La Guaira, Venezuela, "Emisora Vargas."

a	Havana, Cuba., Transradio Columbia
a	Camaguev. Cuba, Rafael Valdes
z	Bogota, Colombia, "Radio Santa Fe"
a	Philadelphia, Pa., Westinghouse Radio, Inc.
z	Mexico City, D. F.

a	Sackville, N. B., Canadian Brdctg. Corp.
a	Wichita, Kans., Farmers & Bankers Brdctg. Corp.
a	Los Angeles, Calif., Columbia Brdctg. System, Inc.
a	Indianapolis, Ind., Ind. Brdctg. Corp.

z	Leogane, Haiti
z	Barranquilla, Colombia, "Emisora Atlantico."
a	Dallas, Tex., KRLD Radio Corp.
a	Portland, Ore., KWJJ Broadcast Co., Inc.
a	Merced, Calif., Merced Brdctg. Co.

## BROADCASTING STATIONS BY FREQUENCIES

WCAZ D 250  
 WTIC .... 50000  
 YV6RE .... 250

### 1090 kcs. (275.1 m.)

CMKX .... 250  
 HIN .... 150  
 HJEE .... 250  
 KEVR P 250  
 KTHS .... 5000(10)  
 WBAL BM 50000  
 WJAG L 1000  
 XEHR .... 250  
 XERB .... 50000

### 1100 kcs. (272.6 m.)

HJCB 1105 2000  
 KJBS L 500  
 WTAM R 50000

### 1110 kcs. (270.1 m.)

CMBY D 250  
 WBT C 50000  
 WAIT L2XZ 5000  
 WMBI L2 5000  
 XEFO .... 20000  
 .... 10000

### 1120 kcs. (267.7 m.)

KMOX C 50000  
 YV1RF .... 350

### 1130 kcs. (265.3 m.)

CBR F 5000  
 CMKH .... 250  
 HJGE .... 350  
 KGDm DM 1000  
 KWKH C 50000  
 WCAR D 1000  
 WDGy L 500(5)  
 VOV .... 10000

### 1140 kcs. (263 m.)

HJBJ .... 500  
 KSOO LN 5000  
 WRVA CM 50000  
 XENT .... 50000

### 1150 kcs. (260.7 m.)

CHSJ F 1000  
 CKOC F 500(1)  
 CKX F 1000  
 CMBQ .... 1000(5)  
 HJDT .... 400  
 HJEB .... 500  
 KFSG a 1000(2.5)  
 KRKD a 1000(2.5)  
 KRSC E 1000  
 KSAL .... 1000  
 KSWO DP 250  
 KTBC G 1000  
 WAPO N 1000(5)  
 WCOP .... 500  
 WDEL R 5000  
 WISN C 5000  
 WJBO B 5000  
 WKPA D 250  
 WTAW G 1000  
 XEJP .... 600  
 YV1RD 1153 250  
 YV4RD 1153 200

### 1160 kcs. (285.5 m.)

HJCO .... 1000  
 KSL C 50000  
 WJTD L 20000  
 YV5RL .... 1000

a Carthage, Ill., Superior Brdcstg. Service, Inc.  
 RYa Hartford, Conn., Travelers Brdcstg. Service Corp.  
 a Barcelona, Venez., "Ondas del Neveri."

[ ]  
 z Banes, Cuba, Oscar Vidal Benitez  
 z Trujillo, D. R., J. M. Bonetti Burgos.  
 z Cali, Colombia, "Radio Cali."  
 a Seattle, Wash., Evergreen Brdcstg. Corp.  
 Na Hot Springs, Ark., Chamber of Commerce  
 a Baltimore, Md., WBAL Brdcstg. Co.  
 a Norfolk, Nebr., Norfolk Daily News  
 a Puebla, Pue.  
 a Rosarito, B. Cfa., (Box 508, San Diego, Calif.)

[ ]  
 z Bogota, Colombia, "Nueva Granada."  
 a San Francisco Calif., Julius Brunton & Sons Co.,  
 a Cleveland, Ohio, NBC, Inc.

[ ]  
 z Havana, Cuba, Av. de Menocal 159  
 a Charlotte, N. C., CBS.  
 a Chicago, Ill., WCBd, Inc.  
 g Chicago, Ill., Moody Bible Institute  
 a Mexico City, D. F., Partido de la Revolucion Mex.  
 z Pasadena, Calif.

[ ]  
 a St. Louis, Mo., CBS  
 a Maracaibo, Venez., "Ondas del Lago."

[ ]  
 a Vancouver, B. C., Canadian Brdcstg. Corp.  
 z Guantanamo, Cuba  
 z Bucaramanga, Colombia "R. Bucaramanga."  
 f Stockton, Calif., E. F. Pepper  
 a Shreveport, La., International Brdcstg. Corp.  
 a Pontiac, Mich., Pontiac Brdcstg. Co.  
 Ma Minneapolis, Minn., Dr. Geo. W. Young  
 a New York, N. Y., Greater N. Y. Brdcstg. Corp.

[ ]  
 z Santa Marta, Colombia, "La V. de S. M."  
 a Sioux Falls, S. Dak., S. F. Broadcast Ass'n.  
 a Richmond, Va., Larus & Bros. Co., Inc.  
 a Nuevo Laredo, Tam. Cia., Industrial Universal S. A.

[ ]  
 a St. John, N. B., N. B. Brdcstg. Co.  
 a Hamilton, Ont., Wentworth Radio Brdcstg. Co., Ltd  
 a Brandon, Man., Man. Telephone Sys.  
 a Havana, Cuba, Ideas Pazos  
 z Medellin, Colombia, "Radio Nutibara."  
 z Cali, Colombia, "La V. de Valle."  
 z Los Angeles, Calif., Echo Park Evangelistic Ass'n  
 a Los Angeles, Calif., Radio Broadcasters, In'.  
 a Seattle, Wash., Radio Sales Corp.  
 a Salina, Kans., KSAL, Inc.  
 z Lawton, Okla., W. Carver and B. Ross.  
 z Austin, Texas, State Capitol Brdcstg. Assn.  
 a Chattanooga, Tenn., W. A. Patterson  
 a Boston, Mass., Mass. Brdcstg. Corp.  
 a Wilmington, Del.  
 a Milwaukee, Wis., Hearst Radio, Inc.  
 a Baton Rouge, La., B. R. Brdcstg. Co., Inc.  
 a New Kensington, Pa., Alleghany-Kiski Brdcstg. Co.  
 a College Station, Tex., Agricultural & Mech. College  
 z Mexico City, D. F., Salvador Monterrubio  
 a Maracaibo, Venez., "Radiodifusora Maracaibo."  
 a Maracay, Venez., "Radio Yaroni."

[ ]  
 z Bogota, Colombia, "La V. de S. America."  
 a Salt Lake City, Utah, Radio Serv. Corp.  
 a Chicago, Ill., WJJD, Inc.  
 a Caracas, Venez., "Radio Tropical."

## BROADCASTING STATIONS BY FREQUENCIES

### 1170 kcs. (256.3 m.)

KVOO	....	25000
WAPI	.... Z	1000(5)
WWVA	.... C	50000
XECD	....	350
XELW	....	500

Na [ ] Tulsa, Okla. Southwestern Sales Corp.  
 Ca [ ] Birmingham, Ala. Voice of Ala.  
 a [ ] Wheeling, W. Va., W. V. Brdcastg. Corp.  
 z [ ] Puebla, Pue., Ricardo Vazquez  
 a [ ] Guadalajara, Jal.

### 1180 kcs. (254.1 m.)

WHAM	.... N	50000
WLDS	....	250
	....	1250

[ ]  
 a [ ] Rochester, N. Y., Stromberg-Carlson Mfg. Co.  
 z [ ] Jacksonville, Ill.  
 z [ ] Tziutlan, Pue.

### 1190 kcs. (252 m.)

CMCU	....	250
HJAN	....	1000
KEX	.... B	50000
WOWO	....	10000
....	.... P	50000

[ ]  
 a [ ] Havana, Cuba, Jorge Garcia Serra  
 z [ ] Barranquilla, Colombia, "La V. de Victor."  
 a [ ] Portland, Ore., Oregonian Pub. Co.  
 Ba [ ] Fort Wayne, Ind., Westinghouse Radio Stations, Inc.  
 z [ ] Sonora, Son.

### 1200 kcs. (249.9 m.)

HJCR	....	50000
IRCC	....	500
WOAI	.... EN	50000

[ ]  
 z [ ] Bogota, Colombia, "Emisora Nacional."  
 z [ ] San Jose, Costa Rica, Carlos Borge.  
 a [ ] San Antonio, Tex., Southland Industries, Inc.

### 1210 kcs. (247.8 m.)

HJAM	....	250
KLRA	.... CP	5000
WCAU	.... C	50000

[ ]  
 z [ ] Monteria, Colombia, "Ondas del Sinu."  
 a [ ] Little Rock, Ark., Arkansas Brdcastg. Corp.  
 a [ ] Philadelphia, Pa., WCAU Brdcastg. Co.

### 1220 kcs. (245.8 m.)

CHAB	.... F	1000
CMKO	....	250
HJCE	....	1000
TIGPH2	.... 1225	1000
WGNV	....	1000
XEB	....	10000

[ ]  
 a [ ] Moose Jaw, Sask., CHAB, Ltd.  
 a [ ] Holguin, Cuba, Manuel Angula Farran  
 z [ ] Bogota, Colombia, "Ondas Bogotanas."  
 b [ ] San Jose, Costa Rica, "Nueva Alma Tica."  
 a [ ] Newburg, N. Y., WGNV Brdcastg. Co., Inc.  
 a [ ] Mexico City, D. F., El Buen Tono, S. A.

### 1230 kcs. (243.8 m.)

CHGB	.... F	250
CICI	.... F	100
CKVD	....	100
CMCO	.... 2	250
CMCW	.... 2	250
CMJE	....	250
HHW	....	100
KADA	.... EM	250
KAST	....	250
KBTM	....	100(.25)
KELO	.... N	250
KFDA	....	250
KFIO	.... P	250
KFJB	....	250
KFUN	.... P	250
KFXD	....	250
KFXJ	....	250
KGDE	....	100(.25)
KGEK	.... G	100
KGFI	....	100
KGHI	....	250
KHAS	....	250
KHBC	.... CM	250
KMLB	....	250
KODL	....	100(.25)
KOOS	.... M	250
KPHO	.... P	250
KPOW	....	250
KRLH	....	250
KSUN	.... E	250
KVCV	.... M	250
KVEC	.... M	250
KVNU	....	250
KVOS	.... M	250
KWG	....	100

[ ]  
 a [ ] Ste. Anne de la Pocatiere, P. Q., G. Thos. Desjardins  
 a [ ] Calgary, Alta., Albertan Pub. Co.  
 a [ ] Val d'Or, P. Q., La Voix d'Abitibi  
 a [ ] Havana, Cuba, Enrique Lasanta  
 a [ ] Havana, Cuba, J. Vilarino y Cia.  
 z [ ] Camaguey, Cuba, Maceo No. 27  
 z [ ] Port-au-Prince, Haiti  
 a [ ] Ada, Okla., C. C. Morris.  
 z [ ] Astoria, Ore., Astoria Brdcastg. Co.  
 a [ ] Jonesboro, Ark., Regional Brdcastg. Co.  
 a [ ] Sioux Falls, S. Dak., S. F. Broadcast Ass'n., Inc.  
 MTA [ ] Amarillo, Tex., Amarillo Brdcastg. Corp.  
 a [ ] Spokane, Wash., Spokane Brdcastg. Corp.  
 a [ ] Marshalltown Iowa, Marshall Elec. Co.,  
 z [ ] Las Vegas, N. Mex., Southwest Brdcastg. Inc.  
 a [ ] Nampa, Idaho, Frank E. Hurt  
 a [ ] Grand Junction, Colo., Western Slope Brdcastg. Co.  
 b [ ] Fergus Falls, Minn., Charles L. Jaren  
 f [ ] Sterling, Colo., Elmer G. Beehler  
 a [ ] Los Angeles, Calif., Ben S. McGlashan  
 a [ ] Little Rock, Ark., Ark. Brdcastg. Co.  
 a [ ] Hastings, Nebr., Nebr. Brdcastg. Co.  
 a [ ] Hilo, Hawaii, Hawaiian Brdcastg. Sys., Ltd.  
 a [ ] Monroe, La., Liner's Brdcastg. Station, Inc.  
 a [ ] The Dalles, Ore., Western Radio Corp.  
 a [ ] Marshfield, Ore., KOOS, Inc.  
 z [ ] Phoenix, Ariz., M. C. Reese  
 a [ ] Powell, Wyo., Albert Joseph Mever  
 z [ ] Midland, Texas, Clarence Sharbaur  
 a [ ] Lowell, Ariz., Copper Elec. Co., Inc.  
 a [ ] Redding, Calif., Golden Empire Brdcastg. Co.  
 a [ ] San Luis Obispo, Calif., Valley Electric Co.  
 a [ ] Logan, Utah, Cache Valley Brdcastg. Co.  
 a [ ] Bellingham, Wash., KVOS, Inc.  
 BFA [ ] Stockton, Calif., McClatchey Brdcastg. Co.

## BROADCASTING STATIONS BY FREQUENCIES

KWNO	E	250	a	Winona, Minn., Winona Radio Serv.
KYSM	EN	250	a	Mankato, Minn., Southern Minn. Supply Co.
WABI	XZ	250	Ca	Bangor, Me., Community Brdcastg. Serv.
WAIM	C	250	a	Anderson, S. C., Anderson College.
WAJR	....	250	a	Morgantown, W. Va., W. Va. Radio Corp.
WAYX	....	250	a	Waycross, Ga., Jack Williams.
WBBW	M	250	a	Ponca City Okla., Adelaide L. Carrell
WBHP	....	250	a	Huntsville, Ala., Wilton Harvey Pollard
WBLJ	....	250	a	Dalton, Ga., Dalton Brdcastg. Corp.
WBOW	N	250	a	Terra Haute, Ind., Banks of Wabash, Inc.
WCAT	G	100	Ca	Rapid City, S. Dak., S. Dak. State School of Mines
WCAX	XZ	250	Ca	Burlington, Vt., Bur. Daily News, Inc.
WCBT	....	250	a	Roanoke Rapids, N. C., J. Winfield Crew, Jr.
WCED	....	250	a	DuBois, Pa., Tri-County Brdcastg. Co.
WCLO	....	250	a	Janesville, Wis., Gazette Printing Co.
WCOL	....	250	Na	Columbus, Ohio, WCOL, Inc.
WCPO	....	250	a	Cincinnati, Ohio, Scripps-Howard Radio, Inc.
WDLP	....	100(.25)	a	Panama City, Fla., P. C. Brdcastg. Co.
WDSM	....	100	Ma	Superior, Wis., WDSM, Inc.
WENY	M	250	a	Elmira, N. Y., Elmira Star-Gazette, Inc.
WESX	X	250	a	Salem, Mass., North Shore Brdcastg. Co.
WFTC	....	250	a	Kinston, N. C., Jonas Weiland
WFAM	P	250	z	Lafayette, Ind., WFAM, Inc.
WGRB	P	250	z	Grand Rapids, Mich., G. R. Brdcastg. Corp.
WHCB	M	250	a	Canton, Ohio, Ohio Brdcastg. Co.
WHBY	E	250	a	Appleton, Wis., WHBY, Inc.
WHOP	....	250	a	Hopkinsville, Ky. Paducah Brdcastg. Co., Inc.
WIBX	....	250	CSa	Utica, N. Y., WIBX, Inc.
WIL	....	250	a	St. Louis, Mo., Mo. Brdcasting Corp.
WISE	N	250	a	Asheville, N. C., Station WISE, Inc.
WITH	....	250	a	Baltimore, Md., Md. Brdcastg. Co.
WJBC	....	250	a	Bloomington, Ill. Kaskaskia Brdcastg. Co.
WJBW	....	250	a	New Orleans, La., Chas. C. Carlson
WJNO	C	250	a	W. Palm Beach, Fla., WJNO, Inc.
WJOB	....	100	a	Hammond, Ind., O. E. Richardson & F. L. Adair
WJRD	E	250	a	Tuscaloosa, Ala., James R. Doss, Jr.
WKBO	....	100(.25)	NQa	Harrisburg, Pa., Keystone Brdcastg. Corp.
WLOF	P	250	z	Orlando, Fla., Hazelwood, Inc.
WLOG	X	100	a	Logan, W. Va., C. H. Frey and R. O. Greever
WLVA	....	250	a	Lynchburg, Va., Lynchburg Brdcastg. Corp.
WMAW	P	250	z	Worcester, Mass., C. T. Sherer Co., Inc.
WMFR	....	250	a	High Point, N. C., Radio Station WMFR, Inc.
WMOB	....	250	a	Mobile, Ala., S. B. Quigley
WMPC	G	250	a	Lapeer, Mich., Liberty St. Gospel Church
WOLS	N	250	a	Florence, S. C., O. Lee Stone
WRBL	C	250	a	Columbus, Ga., Columbus Brdcastg. Co., Inc.
WSAM	G	100(.25)	a	Saginaw, Mich., Saginaw Brdcastg. Co.
WSKB	....	250	a	McComb, Miss., McComb Brdcastg. Corp.
WSOO	....	100(.25)	a	Sault Ste. Marie, Mich., Hiawathaland Brdcastg. Co.
WTHT	....	250	DMa	Hartford, Conn., Hartford Times, Inc.
WTOL	....	250	z	Toledo, Ohio, Community Brdcastg. Co.
YNOW	....	800	z	Managua, Nicaragua.

### 1240 kcs. (241.8 m.)

CBJ	F	250	a	Chicoutimi, P. Q., Canadian Brdcastg. Corp.
CFPR	....	50	a	Prince Rupert, B. C., Felix E. Batt
CHLT	....	250	a	Sherbrooke, P. Q., La Tribune, Ltd.
CJCS	....	50	a	Stratford, Ont., Frank M. Squires
CKCH	F	100	a	Hull, P. Q., CKCH Radio Brdcastg. Co. of Hull, Ltd.
CKMC	....	50	a	Cobalt, Ont., R. L. MacAdam
CKLN	F	100	a	Nelson, B. C., News Co., Ltd.
CMGF	....	250	z	Matanzas, Cuba, Bernabe R. de la Torre
HJAE	....	525	z	
KALB	....	250	a	Alexandria, La., Alex. Brdcastg. Co., Inc.
KANS	N	250	a	Wichita, Kans., KANS Brdcastg. Co.
KASA	....	100	Ma	Elk City, Okla., E. M. Woody
KAVE	....	250	a	Carlsbad, N. Mex., Carlsbad Brdcastg. Co.
KBIZ	....	250	a	Ottumwa, Iowa, J. D. Falvey
KDLR	....	250	a	Devils Lake, N. Dak., KDLR, Inc.
KDON	....	100	Ma	Monterey, Calif., Monterey Peninsula Brdcastg. Co.
KFJI	....	100	a	Klamath Falls, Ore., KFJI Broadcasters, Inc.
KFOR	EM	250	a	Lincoln, Nebr., Cornbelt Brdcastg. Corp.
KFXM	2M	250	a	San Bernardino, Calif., Lee Bros. Brdcastg. Co.
KGBS	P	250	z	Harlingen, Tex., Harbenito Brdcastg. Co.
KGY	....	100	Ma	Olympia, Wash., KGY, Inc.
KHBG	....	250	a	Okmulgee, Okla., Okmulgee Brdcastg. Corp.
KICA	....	100	a	Clovis, New Mexico, Western Broadcasters, Inc.
KIUL	....	100	a	Garden City, Kans., Garden City Brdcastg. Co.
KMAC	....	250	a	San Antonio, Tex., The Wolmac Co.

## BROADCASTING STATIONS BY FREQUENCIES

KOCA	....	250	a	Kilgore, Tex., Oil Capital Brdcastg. Ass'n.
KOVO	EM	250	a	Provo, Utah, Citizens Voice and Air Show.
KPFA	EN	250	a	Helena, Mont., Peoples Forum of the Air.
KPPC	2	100	a	Pasadena, Calif., Pasadena Presb. Church.
KROY	....	100	Ca	Sacramento, Calif., Royal Miller.
KVSO	....	100(.25)	Ma	Ardmore, Okla., Ardmoreite Pub. Co., Inc.
KWAT	....	250	a	Watertown, S. Dak., Midland National Life Ins. Co.
KWIL	....	250	a	Albany, Ore., Central Willamette Brdcastg. Co.
KWJB	E	250	a	Globe, Ariz., Sims Brdcastg. Co.
KWLC	D	250	a	Decorah, Iowa, Luther College.
KWOS	P	250	a	Jefferson City, Mo., Tribune Printing Co.
KWRC	P	250	z	Pendleton, Oreg., Western Radio Corp.
KXOX	....	250	a	Sweetwater, Tex., Sweetwater Radio, Inc.
KYUM	E	250	a	Yuma, Ariz., Yuma Brdcastg. Co.
WATN	....	250	a	Watertown, N. Y., Watertown Brdcastg. Corp.
WBAX	....	100	Ma	Wilkes-Barre, Pa., John H. Stenger, Jr.
WBBL	G5	100	a	Richmond, Va., Grace Covenant Presb. Church.
WBIR	....	250	a	Knoxville, Tenn., J. W. Birdwell.
WBML	P	250	z	Macon, Ga., Middle Georgia Brdcastg. Co.
WBRR	4	100	a	Red Bank, N. J., Monmouth Brdcastg. Co.
WCOU	....	250	MYa	Lewiston, Maine, Twin City Brdcastg. Co., Inc.
WCOV	C	250	a	Montgomery, Ala., Capital Brdcastg. Co., Inc.
WCRW	G3	100	a	Chicago, Ill., Clinton R. White.
WEBQ	....	250	a	Harrisburg, Ill., Harrisburg Brdcastg. Co.
WEDC	G3	250	a	Chicago, Ill., Emil Denemark, Inc.
WFAS	4	250	a	White Plains, N. Y., Westchester Brdcastg. Corp.
WFOY	C	250	a	St. Augustine, Fla., Fountain of Youth Brdcastg. Co.
WFTM	....	250	a	Fort Myers, Fla., Ft. Myers Brdcastg. Co.
WGAC	....	250	a	Augusta, Ga., Twin States Brdcastg. Co.
WGBB	4	100	a	Freeport, N. Y., Harry H. Carman.
WGCM	....	250	a	Gulfport, Miss., WGCM, Inc.
WGGA	P	250	z	Gainesville, Ga., Gainesville Broadcasters.
WGRM	....	250	a	Greenwood, Miss., P. K. Ewing.
WHAI	....	250	MYa	Greenfield, Mass., John W. Haigis.
WHBU	....	250	a	Anderson, Ind., Anderson Brdcastg. Corp.
WHIZ	N	250	a	Zanesville, Ohio, Southern Ohio Broadcasters, Inc.
WIBU	E	250	a	Poynette, Wis., Wm. C. Forrest
WINN	....	100(.25)	a	Louisville, Ky., Kentucky Brdcastg. Corp.
WTBY	E	250	a	Gadsden, Ala., Gadsden Brdcastg. Co., Inc.
WJEJ	....	250	a	Hagerstown, Md., Hagerstown Brdcastg. Co.
WTIM	B	250	z	Lansing, Mich., WJIM, Inc.
WTLS	....	250	z	Beckley, W. Va., Joe L. Smith, Jr.
WTMC	....	250	a	Rice Lake, Wis., Walter H. Mc Genty.
WITN	....	250	BSa	Jamestown, N. Y., James Brdcastg. Co., Inc.
WTW	M	250	a	Akron, Ohio, WTW, Inc.
WKOK	....	250	a	Sunbury, Pa., Sunbury Brdcastg. Corp.
WLAG	P	250	z	La Grange, Ga., La Grange Brdcastg. Co.
WLOK	....	250	a	Lima, Ohio, Fort Industry Co.
WMFG	....	250	Ca	Hibbing, Minn., Head of the Lakes Brdcastg. Co.
WOCB	....	250	a	Hyannis, Mass., Cape Cod Brdcastg. Co.
WOMB	....	100	a	Manitowoc, Wis., Francis M. Kadow.
WPAX	....	250	a	Thomasville, Ga., H. Wimpy.
WPID	5	250	a	Petersburg, Va., Petersburg Newspaper Corp.
WRAL	M	250	a	Raleigh, N. C., Capitol Brdcastg. Co.
WSAY	....	250	MSa	Rochester, N. Y., Brown Radio Service.
WSBC	G3	250	a	Chicago, Ill., WSBC, Inc.
WSIX	XZ	250	Ma	Nashville, Ten., WSIX, Inc.
WSNI	....	250	a	Bridgeton, N. J., Eastern States Brdcastg. Corp.
WSOC	MN	250	a	Charlotte, N. C., Radio Station WSOC, Inc.
WTAX	....	100	a	Springfield, Ill., WTAX, Inc.
	....	250	z	Hollywood, Calif.

### 1250 kcs. (239.9 m.)

CMHO	....	250	z	Santa Clara, Cuba.
CMKC	....	250	a	Santiago de Cuba, Pinol Battle y Co.
HJDK	....	500	z	Medellin, Colombia, "La V. de Antioquia."
KFKU	a	1000(5)	a	Lawrence, Kans., University of Kansas.
KPAC	....	500	a	Port Arthur, Tex., Port Arthur College.
KTMS	BE	1000	a	Santa Barbara, Calif., News-Press Pub. Co.
KTW	2	1000	a	Seattle, Wash., First Presb. Church.
KWSC	2	5000	a	Pullman, Wash., State College of Wash.
WCAD	D	500	a	Canton, N. Y., St. Lawrence University.
WCAE	MR	5000	a	Pittsburgh, Pa., WCAE, Inc.
WDAE	C	5000	a	Tampa, Fla., Tampa Times Co.
WREN	Ba	1000(5)	a	Lawrence, Kans., WREN Brdcastg. Co.
WTMA	N	1000	a	Charleston, S. C., Atlantic Coast Brdcastg. Co.
XEAT	....	600	a	Parral, Chih., Box 90.
XEDK	....	500	z	Guadalajara, Jal., Salvador Vasquez T.
XEH	....	500	a	Monterrey, N. L., Mexico, Radio Tarneva.
XETF	....	500	a	Veracruz Ver. C., Jose Rodriguez Lopez.
YV1RK	....	350	a	Maracaibo, Venezuela, Jose A. Higuera.

## BROADCASTING STATIONS BY FREQUENCIES

### 1260 kcs. (238 m.)

CFRN	F	1000
CMBF	....	5000
HJEL	....	500
KGBX	N	5000
KGGM	C	1000
KYA	E	1000(5)
WFBM	C	5000
WNAC	....	5000
WOL	M	1000
XEBL	....	500
XEBM	....	150
XEBP	....	250
XEBU	....	100
XEDF	....	250
XEDW	....	250
XEL	....	750

a	Edmonton, Alta., G. R. A. Rice.
a	Havana, Cuba, Radio Emisora Nacional.
z	Cali, Colombia
a	Springfield, Mo., Springfield Brdcastg. Co.
a	Albuquerque, N. Mex., New Mexico Brdcastg. Co.
a	San Francisco, Calif., Hearst Radio, Inc.
a	Indianapolis, Ind., WFBM, Inc.
RYa	Boston, Mass., The Yankee Network, Inc.
a	Washington, D. C. American Brdcastg. Co.
z	Mazatlan, Sin., Ignacio L. Saiz.
z	San Luis Potosi, S. L. P., Benjamin Briones.
z	Torreón, Coah.
z	Chihuahua, Chih., Feliciano Lopez Islas.
a	Laredo, Tams.
a	Minatitlan, Ver. C., Hector Silva Canto.
z	Mexico City, D. F.

### 1270 kcs. (236.1 m.)

CJCB	F	1000
CMJM	O	1000
HJAT	1275	....
HJBC	....	440
KFJZ	....	5000
KGCU	....	250
KTFI	N	1000
WHBF	M	5000
WSPR	....	500
WXYZ	B	5000
XEAF	....	500
XEBA	....	250
XEBC	....	100
XEGL	....	500
XEDN	....	150
XEFM	....	100
XEFV	....	250
XEME	....	500
XERT	....	500
YV3RA	....	1500

a	Sydney, N. S., Eastern Broadcasters, Ltd.
a	Ciego de Avila, Cuba, RHC-Cadena Azul.
z	Barranquilla, Col., "Radio Barranquilla."
z	Cucuta, Colombia, "La Voz de Cucuta."
MTa	Fort Worth, Tex., Tarrant Brdcastg. Co.
a	Mandan, N. Dak., Mandan Radio Ass'n.
a	Twin Falls, Idaho, Radio Brdcastg. Corp.
a	Rock Island, Ill., Rock Island Brdcastg. Co.
DMA	Springfield, Mass., WSPR, Inc.
a	Detroit, Mich., King-Trendle Brdcastg. Corp.
z	Oaxaca, Oax.
z	Guzman, Jal., Javier Velasco.
z	Morelia, Micho.
a	Navojoa, Son.
z	Camargo, Chih.
z	Leon, Gto.
a	Juarez, Chih., Dario Cordoba.
a	Merida, Yuc., Perfecto Villamil Cisero.
z	Tiajuana, B. Cfa.
a	Barquisimeto, Venezuela. "Radio America."

### 1280 kcs. (234.2 m.)

CMHA	....	250
KFOX	E	1000
HJGK	....	280
KIT	M	1000
WDSU	B	5000
WGBF	N	1000(5)
WHBI	2	1000(2.5)
WKST	....	1000
WMRO	D	250
WNEW	2	5000
WTCN	B	1000(5)
XEAG	....	250
XEBW	....	600
XEE	....	100
XELK	....	100
XEOX	....	250
XERL	....	250
XEX	....	500
XEXJ	....	100

z	Sagua la Grande, Cuba, Abelardo Menocal.
a	Long Beach, Calif., Nichols & Warinner, Inc.
z	Bucaramanga, Col., "Radio Santander."
a	Yakima, Wash., Carl E. Haymond.
a	New Orleans, La., WDSU, Inc.
a	Evansville, Ind., Evansville on the Air, Inc.
a	Newark, N. J., May Radio Brdcastg. Corp.
a	New Castle, Pa., WKST, Inc.
a	Aurora, Ill., Martin R. O'Brien.
a	New York, N. Y., Wodaam Corp.
a	Minneapolis, Minn., Minnesota Brdcastg. Corp.
z	Cordoba, Ver. C., Diodoro Zuniga.
a	Chihuahua, Chih.
a	Durango, Dgo., Alejandro Stevenson. Jr
a	Zacatecas, Zac.
a	Los Mochis, Sin.
z	Colima, Col., J. Roberto Lévy.
a	Monterrey, N. L., El Heraldó del Comercio.
z	Tuxtla Gutierrez, Chis.

### 1290 kcs. (232.4 m.)

CMCH	2	250
CMCX	2	250
CMKD	....	1000
HJCK	....	250
KGVO	C	1000
KHSL	M	1000
KOIL	EMC	5000
KRGV	....	1000
KUOA	D	5000
KVOA	EN	1000
WFVA	D	250
WHIO	C	5000
WHI.D	D	1000
WNBF	PC	5000

a	Havana, Cuba, Radio Popular.
z	Havana, Cuba, "La Onda Popular"
a	Santiago de Cuba, Radioemisora Oriental.
z	Bogota, Colombia, 'Ecos del Tequendoma.
a	Missoula, Mont., Mosby's, Inc.
a	Chico, Calif., Golden Empire Brdcastg. Co.
a	Omaha, Nebr., Central States Brdcastg. Co.
MNYa	Weslaco, Tex., KRGV, Inc.
a	Siloam Springs, Ark., KUOA, Inc.
a	Tucson, Ariz., Arizona Brdcastg. Co., Inc.
z	Fredericksburg, Va., Fredericksburg Brdcastg. Corp.
z	Dayton, Ohio, Miami Valley Brdcastg. Corp.
a	Niagara Falls, N. Y., Niagara Falls Gazette Pub. Co.
z	Keene, N. H., WKNE, Inc.

## BROADCASTING STATIONS BY FREQUENCIES

WTOC	C	5000	a	Savannah, Ga., Savannah Brdcastg. Co.
XEAP	....	100	z	Obergon, Son., Emilio Manzanilla.
XEDA	....	1000	z	Mexico City, D. F., Pedro Riestra Diaz.

### 1300 kcs. (230.6 m.)

CMAN	O	1000	a	Pinar del Rio, Cuba, RHC-Cadena Azul.
CMJF	....	250	z	Camaguey, Cuba, John L. Stowers.
HTEC	....	500	z	Calí, Colombia, La Voz de Colombia."
KGLO	C	1000	a	Mason City, Iowa, Mason City Globe Gazette Co.
KOL	X	1000(5)	Ma	Seattle, Wash., Seattle Brdcastg. Co., Inc.
KVOR	C	1000	a	Colorado Springs, Colo., Out West Brdcastg. Co.
WASH	a	500	Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
WFBR	....	50000(5)	Ra	Baltimore, Md., Baltimore Radio Show, Inc.
WIDX	R	1000(5)	a	Jackson, Miss., Lamar Life Ins. Co.
WOOD	a	500	Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
WWNY	DP	500	z	Watertown, N. Y., The Brockway Co.
XEGF	....	100	z	Culiacan, Sin.
XEF	....	500	a	Juarez, Chih., Estaban Perra.
XES	....	5000	a	Tampico, Tam., Fernando Sada.
YVIRA	....	100	a	Maracaibo, Venezuela

### 1310 kcs. (228.9 m.)

CKCO	F	1000	a	Ottawa, Ont., Dr. G. M. Geldert.
CMGN	O	1000	a	Jovellanos, Cuba, RHC-Cadena Azul.
HJAK	....	500	z	Barranquilla, Col., "La V. del la Patria."
KFBB	C	5000	a	Great Falls, Mont., Buttrey Broadcast, Inc.
KLS	....	1000	a	Oakland, Calif., Warner Bros.
TGI	....	....	d	Guatemala City, Guat., "Radio Morse."
WCAM	2	500	a	Camden, N. J., City of Camden.
WCAP	2	500	a	Asbury Park, N. J., Radio Industries Broadcast Co.
WDOD	C	5000	c	Chattanooga, Tenn., WDOD Brdcastg. Corp.
WIBA	N	5000	c	Madison, Wis., Badger Brdcastg. Co., Inc.
WISH	P	1000(5)	z	Indianapolis, Ind., Captiol Brdcastg. Corp.
WORC	C	1000	z	Worcester, Mass., Alf. Frank Kleindinst.
WRR	....	5000	MTa	Dallas, Tex., City of Dallas.
WTNJ	2	500	a	Trenton, N. J., WOAX, Inc.
XEAD	....	500	z	Guadalajara, Jal.
XEC	....	250	a	Tijuana, B. Cfa., Luis F. Encisco.
XEHB	....	1000	z	Veracruz, Ver. C.
XEMG	....	250	z	Durango, N. L.

### 1320 kcs. (227.1 m.)

CMHP	....	250	z	Placetas, Cuba, Guevara y Gonzalez.
CMKE	....	250	z	Manzanillo, Cuba.
HJDQ	....	1800	a	Medellin, Colombia, "Emisora Cloridad."
KDVL	R	5000	a	Salt Lake City, Utah, Intermountain Brdcastg. Corp.
KLCN	D	1000	a	Blytheville, Ark., Fred O. Grimwood.
KTRH	XZ	5000	Ca	Houston, Tex., KTRH Brdcastg. Co.
WATR	X	250	Dma	Waterbury, Conn., WATR Co., Inc.
WFBC	N	5000	a	Duluth, Minn., Head of the Lakes Brdcastg. Co.
WTAS	C	5000	a	Pittsburgh, Pa., Pittsburgh Radio Supply House.
WTHP	....	250	a	Jacksonville, Fla., The Metropolis Co.
WNBZ	D	100	a	Saranac Lake, N. Y., Up-State Brdcastg. Corp.
WNFL	....	5000	a	San Juan, P. R., Juan Piza.
XEAI	....	500	z	Mexico City, D. F., Carmen Gutierrez.
XESY	....	200	z	Cananen, Son.

### 1330 kcs. (225.4 m.)

CMBG	2	1500	z	Havana, Cuba, John L. Stowers.
CMBS	2	250	z	Havana, Cuba, Enrique Artalejo.
HJAA	....	250	z	Barranquilla, Col., "Ecos de la Costa."
KALE	M	5000	a	Portland, Ore., KALE, Inc.
KFAC	....	1000	a	Los Angeles, Calif., Los Angeles Brdcastg. Co., Inc.
KFH	C	5000	a	Wichita, Kans., Radio Station KFH Co.
WBRR	2	1000	a	Brooklyn, N. Y., Watch Tower Bible & Tract Society, Inc.
WEVD	2X	1000	a	New York, N. Y., Debs Memorial Radio Fund, Inc.
WFRC	N	5000	a	Greenville, S. C., Greenville News-Piedmont Co.
WFIN	PD	1000	z	Findlay, Ohio, Findlay Brdcastg. Co.
WHAZ	2	1000	a	Troy, N. Y., Rensselaer Polytechnic Institute.
WHBL	X	250(1)	g	Sheboygan, Wis., Press Pub. Co.
WL0L	....	1000	a	Minneapolis, Minn., Independent Merchants Brdcastg. Co.
XEBO	....	600	z	Irapuato, Gto., Alfonso Martinez.
XECF	....	150	z	Los Moches, Sin., Francisco Perez H.
XEKS	....	100	z	Saltillo, Coah.



BROADCASTING STATIONS BY FREQUENCIES

1340 kcs. (223.7 m.)

CFGP	....	250	a	Grande Prairie, Alta., Northern Brdcastg. Corp.
CHCK	....	50	a	Charlottetown, P. E. I., CHCK Radio Brdcastg. Co.
CHWK	F	250	a	Chilliwack, B. C., Chilliwack Brdcastg. Co., Ltd.
CLS	F	100	a	Yarmouth, N. S., Laurie L. Smith.
KCKV	F	100	a	Quebec, P. Q., KCKV, Ltd.
CMCJ	....	250	z	Camaguey, Cuba, Calle Cisneros y General Gomez.
KAND	X	100	z	Corsicana, Tex., Navarro Brdcastg. Assn.
HJEF	....	500	z	Cali, Colombia, "La V. de Higueroia."
KBND	....	250	z	Bend, Ore., The Bend Bulletin.
KCKN	E	250	a	Kansas City, Kans., KCKN Brdcastg. Co.
KCRJ	E	250	a	Jerome, Ariz., Central Arizona Brdcastg. Co.
KFPL	....	100(.25)	f	Dublin, Tex., C. C. Baxter.
KFYO	....	250	MTa	Lubbock, Tex., Plains Radio Brdcastg. Co.
KGEZ	XZ	250	a	Kalispell, Mont., Donald C. Treloar.
KGFW	....	250	a	Kearney, Nebr., Central Nebraska Brdcastg. Corp.
KHMO	P	250	z	Hannibal, Mo., Courier-Post Pub. Co.
KHUB	....	250	a	Watsonville, Calif., John P. Scripps.
KMYR	....	250	a	Denver, Colo., F. W. Meyer.
KOCY	....	250	a	Oklahoma City, Okla., Plaza Court Brdcastg. Co.
KOME	EM	250	z	Tulsa, Okla., Oil Capital Sales Corp.
KPDN	....	100	a	Pampa, Tex., R. C. Hoiles.
KRBA	D	250	a	Lufkin, Tex., Red Lands Brdcastg. Assn.
KRIF	P	250	z	Miles City, Mont., Star Printing Co.
KRMD	....	250	z	Shreveport, La., KRMD, Inc.
KROC	EN	250	a	Rochester, Minn., Southern Minn. Brdcastg. Co.
KROS	P	250	z	Clinton, Iowa, Clinton Brdcastg. Corp.
KSUB	....	100	a	Cedar City, Utah, Southern Utah Brdcastg. Co.
KUIN	....	250	a	Grants Pass, Ore., Southern Oregon Brdcastg. Co.
KVIC	....	250	a	Victoria, Tex., Radio Enterprises, Inc.
KVOL	....	250	a	Lafayette, La., Evangeline Brdcastg. Co., Inc.
KVOX	E	250	a	Moorhead, Minn., KVOX Brdcastg. Co.
KVSF	C	100	a	Santa Fe, N. Mex., N. Mex. Brdcastg. Co.
KWFC	....	250	a	Hot Springs, Ark., Hot Springs Brdcastg. Co.
KWLM	....	250	a	Willmar, Minn., Lakeland Brdcastg. Co.
KWOC	....	250	a	Poplar Bluff, Mo., Radio Station KWOC.
KXRO	M	250	a	Aherdeen, Wash., KXRO, Inc.
WAIR	DM	250	a	Winston-Salem, N. C., Radio Station WAIR.
WAML	....	250	a	Laurel, Miss., New Laurel Radio Station, Inc.
WBRE	....	250	NQa	Wilkes-Barre, Pa., Louis G. Baltimore
WBRK	....	250	DMYa	Pittsfield, Mass., Monroe B. England.
WBRW	....	250	a	Welch, W. Va., Mc Dowell Service Co.
WCLS	....	250	a	Joliet, Ill., WCLS, Inc.
WCMI	M	250	a	Ashland, Ky., Ashland Brdcastg. Co.
WDAK	....	250	a	West Point, Ga., Valley Brdcastg. Co.
WDMJ	....	250	a	Marquette, Mich., Lake Superior Brdcastg. Co.
WEBR	B	250	a	Buffalo, N. Y., WEBR, Inc.
WEIM	P	250	z	Fitchburg, Mass., Ruben E. Aronheim.
WEMP	....	250	a	Milwaukee, Wis., Milwaukee Brdcastg. Co.
WEXL	X	50	a	Royal Oak, Mich., Royal Oak Brdcastg. Co.
WFRG	R	250	a	Altoona, Pa., Gable Brdcastg. Co.
WFHR	....	250	a	Wisconsin Rapids, Wis., Wm. F. Huffman.
WFIG	....	100(.25)	a	Sumter, S. C., J. Samuel Brody.
WGAA	P	250	z	Cedartown, Ga., Northwest Ga. Brdcastg. Co.
WGAAU	....	250	a	Athens, Ga., J. K. Patrick & Co.
WGH	K	250	a	Newport News, Va., Hampton Roads Brdcastg. Corp.
WGTM	....	250	a	Wilson, N. C., WGTM, Inc.
WHAT	2	100	a	Philadelphia, Pa., Independent Brdcastg. Co., Inc.
WINX	....	250	a	Washington, D. C., Lawrence J. Heller.
WIZE	....	250	a	Springfield, Ohio, Radio Voice of Springfield, Inc.
WJMA	P	250	a	Covington, Va., Arrington & Arrington.
WJPF	....	250	a	Herrin, Ill., Orville W. Lyerla.
WJPR	....	250	a	Greenville, Miss., John R. Pepper.
WLAK	N	250	z	Lakeland, Fla., Lake Region Brdcastg. Co.
WLAV	....	250	a	Grand Rapids, Mich., Leonard A. Verslius.
WLBC	....	250	a	Muncie, Ind., Donald A. Burton.
WLRT	....	250	a	Bowling Green, Ky., Bowling Green Brdcastg. Co..
WLNH	....	250	MYa	Laconia, N. H., Northern Brdcastg. Co.
WMBO	....	250	Sa	Auburn, N. Y., WMBO, Inc.
WMFF	B	250	a	Plattsburg, N. Y., Plattsburg Brdcastg. Corp.
WNBH	....	250	DMYa	New Bedford, Mass., E. Anthony & Sons, Inc.
WPER	....	250	z	De Land, Fla., Tropical Brdcastg. Co.
WRAW	....	250	NQa	Reading, Pa., Reading Brdcastg. Co.
WSAT	G	100	a	Grove City, Pa., Grove City College.
WSAV	N	250	a	Savannah, Ga., WSAV, Inc.
WSGN	XZ	250	BEMa	Birmingham, Ala., Birmingham News Co.
WSOY	....	250	a	Decatur, Ill., Commodore Brdcastg., Inc.
WSTV	....	250	a	Steubenville, Ohio, Valley Brdcastg. Co.
WTAL	....	100(.25)	a	Tallahassee, Fla., Florida Capitol Brdcastg., Inc.

## BROADCASTING STATIONS BY FREQUENCIES

WTEL	2	100
WTRC	....	250
WWPG	....	250
XEAA	....	250
XEBK	....	100
XECW	....	250
XEDH	....	250
XEFX	....	250
XEFZ	....	250
XEIK	....	100
XEMA	....	100
XEXS	....	100
XEXS	....	100

### 1350 kcs (222.1 m.)

CMHJ	....	250
CMKY	....	100
HIZ	....	200
HJDC	....	250
HJFF	....	250
HJHA	....	250
KGHF	B	500
KID	....	500(5)
KRNT	C	5000
KSRO	....	1000
WADC	C	5000
WORK	....	1000
WSMB	R	5000
XEQK	....	1000
XETB	....	500
XETM	....	1000
YV4RA	....	830

### 1360 kcs. (220.4 m.)

CMC	3	250
CMOA	3	250
KGB	M	1000
KMO	M	5000
KRIS	....	1000
KSCI	N	5000
WDRC	C	5000
WKAT	....	1000
WSAT	MN	5000
WTAQ	C	5000
XEBI	....	250
XESA	....	500

### 1370 kcs. (218.8 m.)

CMAC	P	100
CMJH	....	250
HJAZ	....	500
KDTH	....	1000
KFRQ	....	1000
KGIR	EN	5000
KGNO	....	250(1)
WCOA	N	500(1)
WFEA	....	5000
WFNC	D	250
WPAB	....	1000
WSPD	R	5000
XEA	....	250
XEHF	....	1000
XFHL	....	500
XFMR	....	500
XETQ	....	250
YV1RW	....	1000

### 1380 kcs. (217.3 m.)

CKPC	....	100
CMHK	....	250
HJCI	....	500
HJDR	....	250
KRWD	P	500
KIDO	....	1000(2.5)
KTSM	N	500
KWK	BM	5000
WAWZ	2	1000

a	Philadelphia, Pa., Foulkrod Radio Eng. Co.
a	Elkhart, Ind., Truth Pub. Co., Inc.
z	Lakeworth, Fla., Lakeworth Brdctg. Corp.
a	Mexicali, B. Cfa., Alberto Gonzalez.
a	Nuevo Laredo, Tam., Guajardo y Cortes.
a	Cordoba, Ver. C., Voz del Sudeste de Mexico.
z	Villa Acuna, Coah., Vincente Hernandez.
z	Merida, Yuc., Julio Molina Font.
z	Coatzacoalcos, Ver. C., Pedro E. Roher.
z	Chihuahua, Chih., Manuel Armandariz.
z	Fresnillo, Zac., Jose Ma. Acevedo Moya.
z	Toluca, Mex., Instituto Cientifica y Literario
z	Tepatitlan, Jal.

a	Cienfuegos, Cuba, Romualdo Ugalde.
z	Puerto Padre, Cuba.
z	Trujillo, D. R.
z	Medellin, Col., "Ecos de la Montana."
z	Pereira, Colombia "Ondas de Otun."
z	Pasto, Colombia, "Radio Narino."
a	Pueblo, Colo., Curtis P. Ritchie.
a	Idaho Falls, Idaho, KID Brdctg. Co.
a	Des Moines, Iowa, Iowa Brdctg. Co.
a	Santa Rosa, Calif., Ernest L. Finley.
a	Akron, Ohio, Allen T. Simmons.
INQa	York, Pa., York Brdctg. Co.
a	New Orleans, La., WSMB, Inc.
z	Mexico City, D. F.
a	Torreón, Coah., Aurelio G. Zaragoza.
z	Naco, Son.
b	Valencia, Venezuela, "La Voz de Carabobo."

a	Havana, Cuba, Valdez y Cia.
a	Havana, Cuba, Juan Fernandez Duran.
a	San Diego, Calif., Don Lee Brdctg. System.
a	Tacoma, Wash., Carl E. Haymond.
MTa	Corpus Christi, Tex., Gulf Coast Brdctg. Co.
a	Sioux City, Iowa, Sioux City Journal.
g	Hartford, Conn., WDRC, Inc.
a	Miami Beach, Fla., A. Frank Katzentine.
a	Cincinnati, Ohio, Crosley Corp.
a	Green Bay, Wis., WHBY, Inc.
a	Aguascalientes, Ags., Pedro C. Rivas
z	Culiacan, Sin.

z	Guanajay, Cuba.
d	Ciego de Avila, Cuba, Luis Marauí H.
z	Barranquilla, Colombia
a	Dubuque, Iowa, Telegraph Herald Co.
MTa	Longview, Tex., Voice of Longview.
a	Butte, Mont., KGIR, Inc.
c	Dodge City, Kans., Dodge City Brdctg. G.
a	Pensacola, Fla., Pensacola Brdctg. Co.
DMNYa	Manchester, N. H., N. H. Brdctg. Co.
a	Fayetteville, N. C., Cumberland Brdctg. Co.
a	Ponce, P. R., Portorican American Brdctg. Co. Inc
a	Toledo, Ohio, The Fort Industry Co.
z	Campeche, Cam.
a	Nogales, Son.
z	Guadalajara, Jal.
z	Monterrey, N. T.
z	Bogota, Colombia, "Radio Mundial."
z	Coro, Venezuela, Radio Coro.

a	Brantford, Ont., Telephone City Brdctg., Ltd.
z	Cruces, Cuba, R. G. Gonzalez.
z	Medellin, Col., "La V. de Comercio
z	Manizales, Colombia, "Radio Manizales."
z	Brownwood, Tex., Brown County Brdctg. Co.
Na	Boise, Idaho, Boise Brdctg. Station.
a	El Paso, Tex., Tri-State Brdctg. Co., Inc.
a	St. Louis, Mo., Thomas Patrick, Inc.
a	Zarephath, N. J., Pillar of Fire.

## BROADCASTING STATIONS BY FREQUENCIES

WBNX	2	5000	a	New York, N. Y. WBNX Brdstg. Co., Inc.
WMBG	R	1000(5)	a	Richmond, Va., Havens & Martin, Inc.
WTSP	....	500(1)	a	St. Petersburg, Fla., Pinellas Brdstg. Co.
XELF	....	250	z	Nuevo Laredo, Tam.
XEMX	....	500	z	Mexico City, D. F.

### 1390 kcs. (215.7 m.)

CMBX	2	250	a	Havana, Cuba, Alberto Alvarez.
CMCB	2	250	a	Havana, Cuba, La Metropolitana.
CMKR	....	250	z	Santiago de Cuba, Jaime Nadal.
HFD	....	450	z	Rutland, Vt., P. Weiss Music Co.
KCRC	X	250	EMa	Enid, Okla., Enid Radiophone Co.
KGER	....	1000	a	Long Beach, Calif., Consolidated Brdstg. Corp.
KLPM	....	1000	a	Minot, N. Dak., John B. Cooley.
KSLM	M	1000	a	Salem, Ore., Oregon Radio, Inc.
WCSC	....	500(1)	Ca	Charleston, S. C., S. C. Brdstg. Co., Inc.
WFBL	C	5000	a	Syracuse, N. Y., Onondaga Radio Brdstg. Corp.
WGES	GX	5000	a	Chicago, Ill., Oak Leaves Brdstg. Station, Inc.
WSYB	....	1000	MYa	Vicksburg, Miss., Delta Brdstg. Co., Inc.
WQBC	D	1000	a	Jackson, Tenn., Sun Pub. Co., Inc.
WTJS	....	1000	a	Reynosa, Tam., Carlos V. Rodriguez.
XEAZ	....	250	z	Chihuahua, Chih.
XEM	....	250	z	Tuxpan, Ver. Cruz.

### 1400 kcs. (214.2 m.)

CFAR	....	100	a	Flin Flon, Man., Arctic Radio Corp.
CFOS	....	250	a	Owen Sound, Ont., Owen Sound Sun-Times.
CHRC	....	100	a	Quebec, P. Q., CHRC, Ltd.
CJOC	F	250	a	Lethridge, Alta., H. R. Carson, Ltd.
CKCW	F	100	a	Moncton, N. B., Moncton Brdstg. Co., Ltd.
CKRN	....	250	a	Rouyn, P. Q., La Cie de Radiodiffusion.
CMJW	....	250	z	Camaguey, Cuba.
HJAR	....	250	z	Cartagena, Colombia, "Radio Cartagena."
KELD	....	250	a	El Dorado, Ark., Radio Enterprises, Inc.
KENO	....	250	a	La Vegas, Nev., Nevada Brdstg. Co.
KFGO	D	100	a	Boone, Iowa, Boone Biblical College.
KFPW	....	250	a	Fort Smith, Ark., Southwestern Hotel Co.
KFRU	....	250	a	Columbia, Mo., KFRU, Inc.
KFVS	....	250	a	Cape Girardeau, Mo., Hirsch Battery & Radio Co.
KGFL	....	100	a	Roswell, N. Mex., KGFL, Inc.
KGFL	....	250	MTa	San Angelo, Tex., KGKL, Inc.
KICA	....	100	a	Clovis, N. Mex., Western Broadcasters, Inc.
KIUN	....	100	a	Pecos, Tex., J. Hawkins & B. H. Tubbs.
KIUP	....	250	a	Durango, Colo., San Juan Brdstg. Co.
KLUF	....	250	MTa	Galveston, Tex., KLUF Brdstg. Co., Inc.
KOBH	....	250	a	Rapid City, S. Dak., Black Hills Brdstg. Co.
KOKO	....	100	a	La Junta, Colo., Southwest Brdstg. Co.
KONO	....	250	a	San Antonio, Tex., Mission Brdstg. Co.
KORN	....	250	a	Fremont, Nebr., Nebraska Brdstg. Corp.
KRE	....	250	a	Berkeley, Calif., Central Calif. Broadcasters, Inc.
KRKO	3	100(.25)	a	Everett, Wash., Everett Brdstg. Co., Inc.
KRLC	....	250	a	Lewiston, Idaho, H. E. Studebaker.
KRMC	....	250	a	Jamestown, N. Dak., Jamestown Brdstg. Co., Inc.
KTEM	....	250	MTa	Temple, Tex., Bell Brdstg. Co.
KTNM	....	250	z	Tucumcari, N. Mex.
KTOK	EMN	250	a	Oklahoma City, Okla., Oklahoma Brdstg. Co., Inc.
KTSW	M	250	a	Emporia, Kans., Emporia Brdstg. Co., Inc.
KTUC	CE	250	a	Tucson, Ariz., Tucson Brdstg. Co., Inc.
KVFD	G	250	a	Fort Dodge, Iowa, Northwest Brdstg. Co.
KVGB	....	250	a	Great Bend, Kans., Helen Townsley.
KVRS	....	250	a	Rock Springs, Wyo., Wyoming Brdstg. Co.
KWLK	....	250	a	Longview, Wash., Twin City Brdstg. Corp.
KWYO	....	250	a	Sheridan, Wyo., Big Horn Brdstg. Co., Inc.
KYAN	P	250	z	Chevenne, Wyo., Western Brdstg. Co. of Wyo
WABY	....	250	BMSa	Alban, N. Y., Adirondack Brdstg. Co., Inc.
WAGF	D	250	a	Dothan, Ala., Dothan Brdstg. Co.
WARM	P	250	z	Scranton, Pa., Union Brdstg. Co.
WATL	M	250	a	Atlanta, Ga., Atlanta Brdstg. Co.
WATW	....	100	a	Ashland, Wis., WJMS, Inc.
WBLK	N	250	a	Clarksburg, W. Va., Charleston Brdstg. Co.
WBNY	2	250	a	Buffalo, N. Y., Roy L. Albertson.
WBTH	....	250	a	Williamson, W. Va., Williamson Brdstg. Corp.
WBTM	....	100(.25)	a	Danville, Va., Piedmont Brdstg. Corp.
WCBI	....	250	a	Columbus, Miss., Birney Ines.
WCBM	....	250	1a	Baltimore, Md., Baltimore Brdstg. Corp.
WCNC	....	250	z	Elizabeth City, N. C., Albermarle Brdstg. Corp.
WCOS	....	250	z	Columbia, S. C., Carolina Adv. Corp.

## BROADCASTING STATIONS BY FREQUENCIES

WDAS	....	250	a	Philadelphia, Pa., WDAS, Brdcstg. Station, Inc.
WDEF	....	250	a	Chattanooga, Tenn., Joe W. Engel.
WDWS	....	250	a	Champaign, Ill., Champaign News-Gazette, Inc.
WELL	B	250	a	Battle Creek, Mich., Federated Publications, Inc.
WEOA	C	250	a	Evansville, Ind., Evansville, on the Air, Inc.
WEST	....	250	MQa	Easton, Pa., Associated Broadcasters, Inc.
WFOR	....	250	a	Hatfield, Miss., Forrest Brdcstg. Co., Inc.
WFTL	....	250	a	Fort Lauderdale, Fla., Tom M. Byran.
WGBR	....	250	a	Goldsboro, N. C., Eastern Carolina Brdcstg. Co.
WGIL	....	250	a	Galesburg, Ill., Galesburg Brdcstg. Co.
WGRC	M	250	a	New Albany, Ind., North Side Brdcstg. Corp.
WHBQ	....	250	a	Memphis, Tenn., WHBQ, Inc.
WHDF	....	250	a	Calumet, Mich., Upper Mich. Brdcstg. Co.
WHKY	....	250	a	Hickory, N. C., Catawba Valley Brdcstg. Co., Inc.
WHLB	C	250	a	Virginia, Minn., Head of the Lakes Brdcstg. Co.
WHUB	..	250	a	Cookeville, Tenn., WHUB, Inc.
WHYN	....	250	a	Holyoke, Mass., Hampden-Hampshire Corp.
WINC	P	250	z	Winchester, Va., Richard Field Lewis.
WIAC	....	250	RQa	Johnstown, Pa., WIAC, Inc.
WIHO	....	100(.25)	a	Opelika, Ala., Opelika-Auburn Brdcstg. Co.
WILB	....	250	a	Detroit, Mich., John L. Booth Brdcstg., Inc.
WIZM	P	250	z	Clarksville, Tenn., Wm. D. Hudson.
WKMO	..	250	z	Kokomo, Ind., Kokomo Brdcstg. Corp.
WKPT	N	250	z	Kingsport, Tenn., Kingsport Brdcstg. Co., Inc.
WKWK	P	250	z	Wheeling, W. Va.
WLLH	Sx	10-100	Ya	Lawrence, Mass., Merrimac Brdcstg. Co., Inc.
WLLH	S	250	DMYa	Lowell, Mass., Merrimac Brdcstg. Co., Inc.
WMAN	....	250	a	Mansfield, Ohio, Richland, Inc.
WMBR	C	250	a	Jacksonville, Fla., Florida Brdcstg. Co.
WMFD	....	100(.25)	a	Wilmington, N. C., Richard A. Dunlea.
WMGA	....	250	z	Moultrie, Ga., Frank R. Pidcock, Sr.
WMIN	....	250	a	St. Paul, Minn., WMIN Brdcstg. Co.
WMSL	E	250	a	Decatur, Ala., Tenn. Valley Brdcstg. Co., Inc.
WORD	....	250	a	Spartanburg, S. C., Spartanburg Advertising Co.
WRPA	....	250	a	Portsmouth, Ohio, Veebee Corp.
WRAK	....	250	a	Williamsport, Pa., WRAK, Inc.
WRDO	....	100	MNYa	Augusta, Maine, WRDO, Inc.
WRIN	....	250	a	Racine, Wis., Racine Brdcstg. Corp.
WRRN	CP	....	z	Warren, Ohio, Nied & Stevens
WSAU	....	250	a	Wausau, Wis., Northern Brdcstg. Co., Inc.
WSLB	....	250	a	Ogdensburg, N. Y., St. Lawrence Brdcstg. Corp.
WSRR	P	250	z	Stamford, Conn., Stephen R. Rintoul.
WSVS	G2	50	e	Buffalo, N. Y., Board of Education.
WTCM	....	250	a	Traverse City, Mich., Midwestern Brdcstg. Co.
XEAJ	....	100	z	Navojoa, Son.
XEAM	....	250	z	Matamoros, Tam.
XEDE	....	100	z	Torreón, Coah.
XEF	....	100	a	Juarez, Chih., Gilberto Gil.
XEI	....	250	a	Morelia, Micho., Carlos Gutierrez M.
XEJA	....	100	z	Jalapa, Ver. C.
XEJL	....	250	z	Acapulco, Gro.
XEMH	....	100	z	Merida, Yuc.
XEPF	....	200	z	Ensenada, B. Cfa.
XEWE	....	100	z	Irapuato, Gto.
XEXM	....	250	z	Guadalajara, Jal.
XEXO	....	100	z	San Luis Potosi, S.L.P.
YVIRC	....	500	a	Maracaibo Venez., "La Voz de la Fe."
YV4RE	....	1000	a	Valencia, Venez., "Radio Valencia."
YV6RA	....	200	a	Bolivar, Venez., "Ecos del Orinoco."
.....	....	100	z	Casas Grandes, Chih.
.....	....	250	z	Springfield, Mo.

### 1410 kcs. (212.5 m.)

CKMO	....	1000	a	Vancouver, B. C., B. C. Brdcstg. Sys., Ltd.
CMAQ	....	1000	z	Pinar del Rio, Cuba
CMHB	....	250	z	Sancti Spiritus, Cuba, V. E. Weiss y Cia.
HJEI	....	100	z	Buga, Colombia
KERN	BE	1000	a	Bakersfield, Calif., McClatchy Brdcstg. Co.
KQV	....	1000	a	Pittsburgh, Pa., KQV Brdcstg. Co.
WALA	....	5000	a	Mobile, Ala., Pape Brdcstg. Co.
WING	N	5000	a	Dayton, Ohio, Great Trails Brdcstg. Corp.
WKBH	C	5000	a	La Crosse, Wis., WKBH, Inc.
WNBC	B	1000(.5)	a	New Britain, Conn., State Brdcstg. Corp.
XEBS	....	750	z	Mexico City, D. F.
XELC	....	250	z	Laredo, Tam.
XERY	....	500	z	Aguaprieta, Son.

### 1420 kcs. (211.1 m.)

CMBD	2	250	z	Havana, Cuba, Luiz Perez Marcia.
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## BROADCASTING STATIONS BY FREQUENCIES

CMCQ	2	5000	a	Havana, Cuba, Calle Vista Alegre.
KABR	....	5000	a	Aberdeen, S. Dak., Aberdeen Brdcstg. Co.
KUJ	....	1000	a	Walla Walla Wash., KUJ, Inc.
WFCI	....	1000	a	Pawtucket, R. I., Pawtucket Brdcstg. Co.
WHK	BKM	5000	a	Cleveland, Ohio, United Brdcstg. Co.
WOC	....	1000	a	Davenport, Iowa, Tri-City Brdcstg. Co.
WWSR	DP	1000	z	St. Albans, Vt., Vermont Radio Corp., Inc.
XEDS	....	500	z	Mazatlan, Sin.
XEF	....	100	a	Juarez, Chih.
XEON	....	2000	a	Tijuana, B. Cfa.
XESJ	....	1000	z	Saltillo, Coah.

### 1430 kcs. (209.7 m.)

CMKZ	....	250	z	Palma Soriano, Cuba, Joaquin Venero Obregon.
HJEK	....	100	z	Tula, Colombia
KARM	C	5000	a	Fresno, Calif., The George Harm Station
KLO	BEM	5000	a	Ogden, Utah, Interstate Brdcstg. Corp.
KTPN	P	500	z	Tacoma, Wash., Michael J. Mingoe
KTUL	C	5000	a	Tulsa, Okla., Tulsa Brdcstg. Co., Inc.
KWKW	PD	1000	z	Pasadena, Calif., So. Calif. Brdcstg. Co.
WBYN	....	500	a	Brooklyn, N. Y., Unified Brdcstg. Corp.
WIRE	MR	5000	a	Indianapolis, Ind., Indianapolis Brdcstg., Inc.
XEAO	....	100	z	Villa Acuna, Coah.
XECZ	....	1000	z	San Luis Potosi, S. L. P., Zeferino Z. Jiminez.
XEOK	....	100	z	Progreso, Yuc., Arturo Pina Perez.
YV4RL	....	300	a	Maracay, Venez., "Radio Maracay".
....	....	500	z	Navojoha, Son.
....	....	1000	z	Peterborough, Ontario.

### 1440 kcs. (208.2 m.)

CMGH	....	500	a	Matanzas, Cuba, "Rialto".
CMJI	....	250	a	Ciego de Avila, Cuba, Gilberto Gesse Lopez.
HJFL	....	100	z	Ibague, Colombia, "Ondas de Ibaque".
KFJM	....	500(1)	a	Grand Forks, N. Dak., University of N. Dak.
KGNC	M	1000(5)	a	Amarillo, Tex., Plains Radio Brdcstg. Co.
KILO	P	500(1)	z	Grand Forks, N. D.
KMED	N	1000	b	Medford, Ore., Mrs. W. J. Virgin.
KPRO	CP	1000	z	Riverside, Calif., Brdcstg. Corp. of America
WAAB	....	1000	DMA	Boston, Mass., The Yankee Network, Inc.
WBCM	....	500(1)	a	Bay City, Mich., Bay Brdcstg. Co., Inc.
WHIS	....	500(1)	a	Bluefield, W. Va., Daily Telegram Ptg. Co.
WROK	M	500(1)	a	Rockford, Ill., Rockford Broadcasters, Inc.
WSFA	E	500(1)	a	Montgomery, Ala., Montgomery Brdcstg. Co., Inc.
XEFI	....	1000	a	Chihuahua, Chih., Feliciano Lopez Islas.
XELZ	....	1000	z	Mexico City, D. F., Maria Gardena de Zetina.

### 1450 kcs. (206.8 m.)

....	P	250	a	Peterborough, Ont.
CFLC	....	100	a	Prescott, Ont., Radio Ass'n of Prescott.
CHLN	....	100	a	Three Rivers, P.Q., Three Rivers le Nouvelliste.
CKCA	F	100(.25)	a	Kenora, Ont., Kenora Brdcstg. Co., Ltd.
CMAB	....	250	z	Pinar del Rio, Cuba, Hotel Ricardo.
CMHM	....	250	z	Cienfuegos, Cuba.
HJEG	....	500	z	Popoyan, Colombia, "La V. del Alcazar."
HRN	....	500	b	Tegucigalpa, Honduras, "La Voz de Honduras".
KABC	....	250	MTA	San Antonio, Tex., Alamo Brdcstg. Co., Inc.
KATE	E	250	a	Albert Lea, Minn., Albert Lea Austin Brd. Co. Inc.
KBPS	4	100	a	Portland, Ore., Benson Polytechnic School.
KCMC	....	250	MTA	Texarkana, Tex., KCMC, Inc.
KDNT	....	100	a	Denton, Tex., Harwell V. Shepard.
KEUB	EM	250	a	Price, Utah Eastern Utah Brdcstg. Co.
KFAM	EN	250	a	St. Cloud, Minn., The Times Pub. Co.
KFBZ	....	250	a	Cheyenne, Wyo., Frontier Brdcstg. Co.
KFZ	....	250	Ea	Fond du Lac, Wis., Reporter Printing Co.
KFMB	....	250	z	San Diego, Calif. Worcester Brdcstg. Corp.
KFUN	P	250	z	Las Vegas, Nev.
KGFF	EM	250	a	Shawnee, Okla., KGFF Brdcstg. Co., Inc.
KGIW	3	100	a	Alamosa, Colo., E. L. Allen.
KGLU	EN	250	a	Safford, Ariz., Gila Brdcstg. Co.
KIDW	3	100	a	Lamar, Colo., Lamar Brdcstg. Co.
KIBM	....	250	a	La Grande, Ore., Harold M. Finley.
KMYC	....	100	a	Marysville, Calif., Marysville-Yuba City Brdcstrs, Inc.
KNET	D	100	a	Palestine, Tex., Bonner Frizzell.
KORE	M	250	a	Fugene, Ore., Eugene Broadcast Station.
KRBC	....	250	MTa	Abilene, Tex., Reporter Brdcstg. Co.
KRBM	EN	250	a	Bozeman, Mont., KRBM Broadcasters.

## BROADCASTING STATIONS BY FREQUENCIES

KRIC	....	250	z	Beaumont, Tex., KRIC, Inc.
KSAN	....	250	f	San Francisco, Calif. Golden Gate Brdcastg. Corp.
KTRI	....	250	a	Sioux City, Iowa, Sioux City Brdcastg. Co.
KVAK	....	100	a	Atchison, Kans., Carl Latenser.
KWAL	....	250	a	Wallace, Idaho, Silver Brdcastg. Co.
KWBBK	....	100	a	Hutchinson, Kans., Nations Center Brdcast. Co., Inc.
KXL	....	250	a	Portland, Ore., KXL Broadcasters.
4XZ	....	100	b	Quezaltenango Guatemala, Director of Elec. Comm.
TGO	....	200		Waco, Tex., Frontier Brdcastg. Co., Inc.
WACO	....	250	MTb	Presque Isle, Maine, Aroostook Brdcastg. Corp.
WAGM	G	100	a	Vincennes, Ind., Vincennes News Papers, Inc.
WAOV	....	100	a	Hazelton, Pa., Hazelton Brdcastg. Service, Inc.
WAZL	....	250	MQa	Springfield, Ill., WCBS, Inc.
WCBS	N	250	a	Charlottesville, Va., Community Brdcastg. Corp.
WCHV	....	250	a	Greenwood, S. C., Greenco, Inc.
WCRS	P	250	z	Rocky Mount, N. C., Wm. Avera Wynne.
WEED	....	250	a	Youngstown, Ohio, Wm. F. Maag, Jr.
WFMT	....	250	a	Atlantic City, N. J., Neptune Brdcastg. Corp.
WFGP	....	250	a	Fort Wayne, Ind., Westinghouse Radio Stations, Inc.
WGL	N	250	z	Gastonia, N. C., WGNC, Inc.
WGNV	....	250	a	Valdosta, Ga., Governor E. D. Rivers.
WGOV	....	250	a	Albany, Ga., Albany Brdcastg. Co., Inc.
WGPC	C	250	a	Olean, N. Y., WHDL, Inc.
WHDL	....	250	a	Cicero, Ill., WHFC, Inc.
WHFC	....	250	a	Harlan, Ky., Blanford Radio Co., Inc.
WHLN	P	250	z	Port Huron, Mich., Port Huron Brdcastg. Co.
WHLS	....	250	a	Anniston, Ala., Harry M. Ayers.
WHMA	....	250	a	Jackson, Mich., WIBM, Inc.
WIBM	B	250	la	Wilmington, Del., Delaware Brdcastg. Co.
WILM	....	250	a	Ironwood, Mich., WIMS, Inc.
WIMS	....	250	z	Washington, Pa., Washington Brdcastg. Co.
WJFA	P	250	a	Griffin, Ga., Station WKEU.
WKEU	....	100	a	Poughkeepsie, N. Y., Poughkeepsie Brdcastg. Corp.
WKIP	....	250	z	Endicott, N. Y., Thomas J. Watson.
WLAN	P	250	a	Lexington, Ky., Amercian Brdcastg. Corp.
WLAP	M	250	BQa	Erie, Pa., WLEU Brdcastg. Corp.
WLEU	....	250	a	Suffolk Va., Suffolk Brdcastg. Corp.
WLPM	....	250	a	Springfield, Mass., WMAS, Inc.
WMAS	C	250	a	Joplin, Mo., Joplin Brdcastg. Co.
WMBH	....	250	a	Daytona Beach, Fla., W. Wright Esch.
WMFT	N	250	z	Muscle Shoals City, Ala., Muscle Shoals Brd. Corp.
WMSD	....	250	a	Martinsville, Va., Martinsville Brdcastg. Co.
WMVA	P	100(.25)	z	Bridgeport, Conn., Harold Thomas
WNAB	P	250	z	New Orleans, La., WNOF, Inc.
WNOE	....	250	a	Paducah, Ky., Paducah Brdcastg. Co.
WPAD	....	250	a	Parkersburg, W. Va., Ohio Valley Brdcastg. Corp.
WPAR	C	250	z	Toccoa, Ga., R. G. Le Tourneau
WRT.C	P	250	z	Jackson, Miss., Standard Life Brdcastg. Co.
WST.I	....	250	a	Sarasota, Fla. WSPB, Inc.
WSPB	....	250	a	Washington, D. C., Capital Brdcastg. Co.
WWDC	P	250	z	Victoria, Tam., Fernando Elizalde.
XEBT	....	100	z	Torreon, Coah., Maria Refugio Acosta.
XEQO	....	250	z	Magdalena, Son.
XEDJ	....	100	z	Merida, Yuc., Manuel Zapata Espinosa.
XEFK	....	100	z	Zamora, Micho., Guillermo Calzada.
XEGC	....	100	z	Queretaro, Que.
XETX	....	250	z	Orizaba, Ver.
XEPP	....	100	z	Tepic, Nay.
XERK	....	100	z	Texcoco, Mex.
XEXE	....	100	z	Matamoros, Tam.
XEXP	....	100	z	

### 1460 kcs. (205.4 m.)

CIGX	F	1000	a	Yorkton, Sask., Yorkton Brdcastg. Co., Ltd.
CMCG	....	250	a	Havana, Cuba, "La Onda", S.A.
CMKO	E	500	z	Santiago de Cuba, Cadena Azul.
HIBE	....	100	z	Cienega, Col., "Ondas del Magdalena."
KEVE	P	500	a	Everett, Wash., Cascade Brdcastg. Co., Inc.
KGNF	D	1000	z	North Platte, Nebr., Great Plains Brdcastg. Co.
KINY	....	5000	a	Juneau, Alaska, Edwin A. Kraft.
KSO	X	1000(5)	BMa	Des Moines, Iowa, Iowa Brdcastg. Co.
WBNS	C	1000(5)	a	Columbus, Ohio, WBNS, Inc.
WHCC	C	500(1)	a	Rochester, N. Y., WHEC, Inc.
WHP	....	1000(5)	b	Harrisburg, Pa., WHP, Inc.
WMPS	....	500(1)	Ma	Memphis, Tenn., Memphis Brdcastg. Co.
WOKO	CK	500(1)	a	Albany, N. Y., WOKO, Inc.
XELH	....	100	z	Nuevo Laredo, Tam.
XFTT	....	1000	z	Tampico Tam.
XEWG	....	1000	z	Juarez, Chih.

**1470 kcs. (204 m.)**

CKGB	F	1000	a	Timnons, Ont., R. H. Thomson, North Bay.
CMGE	....	250	a	Cardenas, Cuba, Genaro Sebatier.
CMJO	....	250	a	Ciego de Avila, Cuba, Bonifacio Idefonso.
H18Q	....	25	z	Trujillo, D. R., Julio A. Garcia.
HJFE	....	250	z	Pereira, Colombia, "La V. de Pereira."
KDFN	....	1000	z	Casper, Wyo., Donald Lewis Hathaway.
KELA	M	1000	a	Centralia, Wash., Central Brdctsg. Corp.
KXYZ	XZ	1000	BMTa	Houston, Tex., Harris County Brdctsg. Co.
WBIG	C	5000	a	Greensboro, N. C., N. C. Brdctsg. Co., Inc.
WCBA	a	500	a	Allentown, Pa., Lehigh Valley Brdctsg. Co.
WMBD	C	1000(5)	a	Peoria, Ill., Peoria Brdctsg. Co.
WSAN	Xa	500	NQa	Allentown, Pa., Lehigh Valley Brdctsg. Co.
XEAU	....	5000	z	Tijuana, B. Cia.
XESM	....	1000(5)	z	Mexico City, D.F., Av. Claudio Bernard.
YV3RE	1475	1500	a	Barquisimeto, Venez., "Radio Barquisimeto"
....	....	1000	z	Houston, Tex., San Jacinte Brdctsg. Co.

**1480 kcs. (202.6 m.)**

CFCT	....	500	a	Victoria, B. C., Victoria Brdctsg. As'n.
CHGS	F	50	a	Summerside, P.E.I., R. T. Holman, Ltd.
CMHX	....	250	a	Cienfuegos, Cuba, J. Garcia R.
HIDL	....	500	z	Medellin, Col., "Ecos del Occidente"
KCMO	....	1000(5)	a	Kansas City, Mo., KCMO Brdctsg. Co.
KGCX	F	1000	a	Wolf Point, Mont., E. E. Krebsback.
KIEM	M	500(1)	a	Eureka, Calif., Redwood Brdctsg. Co.
KTBS	N	1000	a	Shreveport, La., Tri-State Brdctsg. Sys., Inc.
WGAR	C	1000(5)	a	Cleveland, Ohio, WGAR Brdctsg. Co.
WHOM	....	500(1)	a	Jersey City, N. J., N. J. Brdctsg. Corp.
WRDWB	CP	5000	a	Augusta, Ga., Augusta Brdctsg. Co.
WSAR	....	1000	DMYf	Fall River, Mass., Doughty & Welch Elec. Co., Inc.
....	....	5000	z	Tlaxcala, Tlax.

**1490 kcs. (201.2 m.)**

CFRC	F	100	a	Kingston, Ont., Queens University.
CHLP	F	250	a	Montreal, P.Q., La Patrie Pub. Co.
CJIC	F	250	a	Sault Ste. Marie, Ont., Whitby & Hyland.
CMCA	2	250	a	Havana, Cuba, Fester y Gonzalez.
CMKF	....	250	z	Holguin, Cuba, Manuel De Gongora.
CMOX	2	250	z	Havana, Cuba, Perez y Chisholm.
HIDV	....	250	a	Medellin, Colombia
KAWN	....	100(.25)	a	Gallup, N. Mex., A. W. Mills.
KBIX	EM	250	a	Muskogee, Okla., Okla. Press Pub. Co.
KBKR	....	250	a	Baker, Ore., Baker Brdctsg. Co.
KBST	....	100	MTa	Big Spring, Tex., Big Spring Herald Brdctsg. Co.
KBUR	P	250	z	Burlington, Iowa, Burlington Brdctsg. Co.
KDB	EM	250	a	Santa Barbara, Calif., Santa Barbara Brdctstrs., Ltd.
KDRO	....	250	z	Sedalia, Mo., Drolich Bros.
KEYS	....	250	a	Corpus Christi, Tex., Nueces Brdctsg. Co.
KFFA	P	250	z	Helena, Ark., Helena Brdctsg. Co.
KEEW	....	100(.25)	a	Brownsville, Tex., Eagle Brdctsg. Co., Inc.
KGKB	....	250	MTa	Tyler, Tex., East Texas Brdctsg. Co.
KGKY	....	250	a	Scottsbluff, Nebr., Hilliard Co.
KNEL	....	100(.25)	a	Brady, Tex., G. L. Burns.
KNOW	....	250	MTa	Austin, Tex., Frontier Brdctsg. Co., Inc.
KONB	....	250	z	Omaha, Nebr.
KOTN	....	250	a	Pine Bluff, Ark., Universal Brdctsg. Corp.
KOVC	....	250	a	Valley City, N. Dak., KOVC, Inc.
KPAB	....	250	a	Laredo, Tex., Mervel M. Valentine.
KPLC	....	250	a	Lake Charles, La., Calcasieu Brdctsg. Co.
KPLT	....	250	MTa	Paris, Tex., North Texas Brdctsg. Co.
KRNR	M	100(.25)	a	Roseburg, Ore., News-Review Pub. Co.
KSAM	D	250	a	Huntsville, Tex., Sam Houston Brdctsg. Assn.
KTBI	....	250	z	Tacoma, Wash., Tacoma Broadcasters, Inc.
KTOH	....	250	a	Lihue, Hawaii, Garden Island Pub. Co., Ltd.
KVOE	M	250	a	Santa Ana, Calif., Voice of the Orange Empire, Inc.
KVWC	....	250	MTa	Vernon, Tex., Northwestern Brdctsg. Co.
KWEV	....	100	a	Hobbs, N. Mex., W. E. Whitmore.
KXO	....	100	Ma	El Centro, Calif., Valradio Co., Inc.
KYCA	E	250	a	Prescott, Ariz., Southwest Brdctsg. Co.
WBAB	C	250	a	Atlantic City, N. J., Press Union Pub. Co.
WBOC	....	250	a	Salisbury, Md., Peninsula Brdctsg. Co.
WBTA	P	250	z	Batavia, N. Y., Batavia Brdctsg. Corp.
WDAN	....	250	a	Danville, Ill., Northwestern Pub. Co.
WDBC	P	250	z	Escanaba, Mich., Delta Brdctsg. Co.
WDNC	C	250	a	Durham, N. C., Durham Radio Corp.
WERC	....	100(.25)	Ca	Erie, Pa., Presque Isle Brdctsg. Co.
WGAL	....	250	IMNQa	Lancaster, Pa., WGAL, Inc.
WGKV	....	100	Na	Charleston, W. Va., Kanawah Valley Brdctsg. Co.

**BROADCASTING STATIONS BY FREQUENCIES**

WGTC	....	250
WHBB	....	100
WIGM	P	250
WJKB	....	250
WKBB	N	250
WKBV	....	100
WKBB	....	250
WKBY	....	250
WKRO	P	250
WMIS	P	250
WMTM	....	100(.25)
WMOG	....	100(.25)
WMRC	....	250
WMRF	P	250
WMRN	....	250
WNLC	....	250
WOLF	....	250
WOMI	....	250
WOPI	....	250
WOSH	P	250
WRGA	....	250
WSLS	....	250
WSTP	M	250
WTMC	....	100
WTMV	....	250
WWSW	....	250
XECB	....	250
XEDR	....	100
XEGT	....	100
XEJR	....	100
XETR	....	100
XEXF	....	100
XEXU	....	100
YV4RR	....	750
	....	150

a	Greenville, N. C., Greenville Brdcastg. Co.
a	Selma, Ala., Selma Brdcastg. Co., Inc.
z	Medford, Wis. Geo. F. Meyer.
a	Detroit, Mich., J. F. Hopkins, Inc.
a	Dubuque, Iowa, Sanders Bros.
a	Richmond, Ind., Knox Radio Corp.
a	Muskegon, Mich., Ashbacker Radio Corp.
a	Kingston, N. Y., Kingston Brdcastg. Corp.
z	Cairo, Ill., Oscar C. Hirsch.
z	Natchez, Miss., Natchez Brdcastg. Co.
a	Cordele, Ga., Cordele Dispatch Pub. Co., Inc.
a	Brunswick, Ga., Coastal Brdcastg. Co.
a	Greenville, S. C., Textile Brdcastg. Co.
z	Lewistown, Pa., Lewistown Brdcastg. Co.
z	Marion, Ohio, Marion Brdcastg. Co.
MYa	New London, Conn., Thames Brdcastg. Corp.
a	Syracuse, N. Y., Civic Brdcastg. Corp.
a	Owensboro, Ky., Owensboro Brdcastg. Co.
a	Bristol, Tenn. Radiophone Station WOPI.
z	Oshkosh, Wis., Howard H. Wilson
a	Rome, Ga., Rome Brdcastg. Corp.
a	Roanoke, Va., Roanoke Brdcastg. Corp.
a	Salisbury, N. C., Piedmont Brdcastg. Corp.
a	Ocala, Fla., Ocala Brdcastg. Co., Inc.
a	East St. Louis, Ill., Miss. Valley Brdcastg. Co., Inc.
Qa	Pittsburgh, Pa., Walker & Downing Radio Corp.
z	Toluca, Mex.
z	Guaymas, Son., Modeste Ortega.
z	Guadalajara, Jal.
z	Parral, Chih.
z	Madero, Tam.
z	Veracruz, Ver. C.
z	Saltillo, Coah.
a	Puerto Cabello, Venez., "Radio Pto. Cabello".
z	Aguascaliente, Ags., Mex.

**1500 kcs. (199.9 m.)**

KSTP	MR	50000
WISV	C	50000
XERH	....	500

a	St. Paul, Minn., KSTP, Inc.
a	Washington, D. C., CBS, Inc.
z	Mexico City, D. F.

**1510 kcs. (198.6 m.)**

HJEM	....	100
KGA	....	10000
WLAC	X	5000
WMEX	....	5000

z	Palmira, Colombia "Radio Palmira"
Bma	Spokane, Wash., Louis Wasmr.
Ca	Nashville, Tenn., WLAC Brdcastg. Serv.
a	Boston, Mass., The Northern Corp.

**1520 kcs. (197.3 m.)**

HJDM	....	500
KOMA	C	50000
TGW	....	5000
WHIP	....	5000
WKBW	....	50000
WPRP	....	1000(5)

z	Medellin, Colombia, "Radio Cordoba"
a	Oklahoma City, Okla., KOMA, Inc.
e	Guatemala City, Guat., Radiodifusora Nacional
z	Hammond, Ind., Hammond-Calumet Brdcastg. Corp.
CSMa	Buffalo, N. Y., Buffalo Brdcastg. Corp.
a	Ponce, Puerto Rico, Julio M. Conesa

**1530 kcs. (196 m.)**

KBBK	BE	10000
WCKY	C	50000

a	Sacramento, Calif., McClatchey Brdcastg. Co.
a	Cincinnati, Ohio, L. B. Wilson, Inc.

**1540 kcs. (194.7 m.)**

CMBH	....	5000
HJFI	....	500

e	Havana, Cuba, Alberto Alvarez
z	Armenia, Colombia, "Pregones del Quindio"

**1550 kcs. (193.4 m.)**

CKTB	F	1000
....	P	20000
XEBG	....	1000

a	St. Catherines, Ont., E. T. Sandell
z	Mexico City, D. F.
a	Tiajuana, B. Cfa., Angel B. Fernandez

**1560 kcs. (112.2 m.)**

CMHD	....	250
WQXR	....	10000

d	Caibarien, Cuba, Manuel Alvarez M.
a	New York, N. Y., Interstate Brdcastg. Co.

**1570 kcs. (191.0 m.)**

CFPL	F	1000
XEAW	....	100000

a	London, Ont., London Free Press
a	Reynosa Tamps.



## BROADCASTING STATIONS BY FREQUENCIES

### 1580 kcs. (189.8 m.)

CMCI	2	250
CMCR	2	250
CMJQ	....	250

a	Havana, Cuba,	Radio Emisora Comercial
z	Havana, Cuba,	Av. de Menocal 115
z	Nuevitas,	Cuba

### 1590 kcs. (188.6 m.)

KITE	M	1000
WAKR	BP	5000
WALB	P	1000
WBRY	CM	5000
XEMC	....	5000

a	Kansas City, Mo.,	First Natl. Television, Inc
z	Akron, Ohio,	Summit Radio Corp.
z	Albany, Ga.,	Herald Pub. Co.
a	Waterbury, Conn.,	American-Republican, Inc.
z	Mexico City,	D. F.

### 1600 kcs. (187.4 m.)

KPMC	M	1000
WCNW	2	250
WWRL	2	5000
XEAB	....	5000

a	Bakersfield, Calif.,	Pioneer Mercantile Co.
a	Brooklyn, N. Y.,	Arthur Fiske
a	Woodside, N. Y.,	Long Island Brdcstg. Corp.
z	Villa Acuna,	Coah.

#### (Shortwaves in Review)

##### Suriname

\*\*\*\*PZX on 11515 kcs. are the CORRECT call letters for this station first reported in RADEX last month. The call CLX is used by the station's broadcast band relay. Schedule is from 6:30-7:30 p.m. on Mondays and Thursdays. Thanks Dick Mertz and Art Hankins and Harold Satterwaite!

##### Venezuela

YV3RC on 3420 verified for Jack Stephenson with a card showing a picture of the Plaza Bolivar, with no mention of the call letters or frequency of the station.

YV5RN on 4920 kcs. have one of the finest verification cards—so says Kenneth Brown. Yellow, brown, blue and black are used in various hues!

##### Personal Notes

Norman Maguire has moved from Connecticut back to his old location out on the mesa—Albuquerque, New Mexico. . . . Charles A. Mills, Box 326, Strathroy Ontario is now with the Royal Canadian Air Force. He will trade SWL cards with any who care to address him.

##### LATE FLASH

Nov. 5, WWNY 4-5 a.m. (NRC)..  
CKCW 4-5a.m. (NNRC)....

XELO, Tiajuana, B. C. is now on 1190 kcs. .... XEAW is using 1010 kcs. as well as 1570 kcs.

#### (Radex Club)

our "Stations Relations Committee."

This Committee, perhaps will be the only officers we need for a while. Its task will be a difficult one. It shall be to promote better relationship between the radio station and the DXer. For duty on this committee we want DXers who do a lot of writing to stations and who have the time to insert a letter in behalf of the club aims in with their regular mail to the stations. Better still, there are those who have sufficient leisure time to contact stations by separate mail or in person in order to make known what we are trying to do.

It is the first step toward better DX conditions. The stations must be handled diplomatically. Only those who have had a lot of letter writing experience are desired. Volunteers will be listed next time and the committee ought to be functioning by mid-winter. Right now I see no immediate need for other officers, but when the time comes we will have them—as elected by the members.

In connection with station relations I might mention that Paul Sampson is planning to visit several stations on a vacation trip he is making and he will ask their frank expressions on what they think of the DX hobby. This should be the first step of every committee member. To determine the feeling of the station toward the

*(Please turn to page 94)*

# BROADCASTING STATIONS BY LOCATIONS

Frequency is given in kilocycles in second column. For power and network affiliations, refer to the list of Broadcasting Stations by Frequencies.

## THE UNITED STATES OF AMERICA

### ALABAMA

<b>Anniston</b>	
WHMA	1450
<b>Birmingham</b>	
WAFI	1170
WBRC	960
WSGN	1340
<b>Decatur</b>	
WMSL	1400
<b>Dothan</b>	
WAGF	1400
<b>Gadsden</b>	
WJBY	1240
<b>Huntsville</b>	
WBHP	1230
<b>Mobile</b>	
WALA	1410
WMOB	1230
<b>Montgomery</b>	
WCOV	1240
WSPA	1440
<b>Muscle Shoals City</b>	
WMSD	1450
<b>Opelika</b>	
WJHO	1400
<b>Selma</b>	
WHBB	1490
<b>Tuscaloosa</b>	
WJRD	1230

### ALASKA

<b>Anchorage</b>	
KFQD	790
<b>Fairbanks</b>	
KFAR	610
<b>Juneau</b>	
KINY	1460
<b>Ketchikan</b>	
KGBU	930

### ARIZONA

<b>Globe</b>	
KWJB	1240
<b>Jerome</b>	
KCRJ	1340
<b>Lowell</b>	
KSUN	1230
<b>Phoenix</b>	
KOY	550
KPHO	1230
KTAR	620
<b>Prescott</b>	
KYCA	1490
<b>Safford</b>	
KGLU	1450

<b>Tucson</b>	
KTUC	1400
KVOA	1290
<b>Yuma</b>	
KYUM	1240

### ARKANSAS

<b>Blytheville</b>	
KLCN	1320
<b>El Dorado</b>	
KELD	1400
<b>Fort Smith</b>	
KFWP	1400
<b>Helena</b>	
KFFA	1490
<b>Hot Springs</b>	
KTIS	1090
KWFC	1340
<b>Jonesboro</b>	
KBTM	1230
<b>Little Rock</b>	
KARK	920
KGHI	1230
KLRA	1010
<b>Pine Bluff</b>	
KOTN	1490
<b>Siloam Springs</b>	
KUOA	1290

### CALIFORNIA

<b>Bakersfield</b>	
KERN	1410
KPMC	1600
<b>Berkeley</b>	
KRE	1400
<b>Beverly Hills</b>	
KMPC	710
<b>Chico</b>	
KHSL	1290
<b>El Centro</b>	
KXO	1490
<b>Eureka</b>	
KIEM	1480
<b>Fresno</b>	
KARM	1430
KMJ	580
<b>Glendale</b>	
KIEV	870
<b>Long Beach</b>	
KFOX	1280
KGER	1390
<b>Los Angeles</b>	
KECA	790
KFAC	1330
KFI	640
KFSQ	1150
KFVD	1020
KFWB	980

KGFJ	1230
KHJ	930
KMTR	570
KNX	1070
KRKD	1150
<b>Marysville</b>	
KMYC	1450

<b>Merced</b>	
KYOS	1080
<b>Modesto</b>	
KTRB	860
<b>Monterey</b>	
KDON	1240

<b>Oakland</b>	
KLS	1310
KLX	910
KROW	960

<b>Pasadena</b>	
KPPC	1240
<b>KWKW</b>	1430

<b>Redding</b>	
KVCV	1230
<b>Riverside</b>	
KPRO	1440

<b>Sacramento</b>	
KFBK	1530
KROY	1240

<b>San Bernardino</b>	
KFXM	1240

<b>San Diego</b>	
KFMB	1450
KFSD	600
KGB	1360

<b>San Francisco</b>	
KFRC	610
KGO	810
KIBS	1100
KPO	680
KSAN	1450
KSFO	560
KYA	1260

<b>San Jose</b>	
KQW	740

<b>San Luis Obispo</b>	
KVEC	1230

<b>Santa Ana</b>	
KVOE	1490

<b>Santa Barbara</b>	
KDB	1490
KTMS	1250

<b>Santa Rosa</b>	
KSRO	1350

<b>Stockton</b>	
KGDM	1130
KWG	1230

<b>Visalia</b>	
KTKC	940

<b>Watsonville</b>	
KHUB	1340

### COLORADO

<b>Alamosa</b>	
KGIW	1450
<b>Colorado Springs</b>	
KVOR	1300

<b>Denver</b>	
KFEL	950
KLZ	560
<b>KMYR</b>	1340
KOA	850
KPOF	910
KVOD	630

<b>Jurango</b>	
KIUP	1400

<b>Grand Junction</b>	
KFXJ	1230

<b>Greeley</b>	
KFKA	910

<b>La Junta</b>	
KOKO	1400

<b>Lamar</b>	
KIDW	1450
<b>Pueblo</b>	
KGHF	1350

<b>Sterling</b>	
KGEK	1230

### CONNECTICUT

<b>Bridgeport</b>	
WICC	600
WNAB	1450

<b>Hartford</b>	
WDRS	1360
WTIC	1080
WTHT	1230

<b>New Britain</b>	
WNBC	1410

<b>New Haven</b>	
WELI	960
<b>New London</b>	
WNLC	1490

<b>Stamford</b>	
WSRR	1400
<b>Waterbury</b>	
WATR	1320
WBRY	1590

### DELAWARE

<b>Wilmington</b>	
WDEL	1150
WILM	1450

### DISTRICT OF COLUMBIA

<b>Washington</b>	
WINX	1340
WISV	1500
WMAL	630
WOL	1260
WRC	980
WWDC	1450

### FLORIDA

<b>Daytona Beach</b>	
WMFJ	1450
<b>De Land</b>	
WPER	1340

<b>Ft. Lauderdale</b>	
WFTL	1400
<b>Ft. Myers</b>	
WFTM	1240

<b>Gainesville</b>	
WRUF	850

<b>Jacksonville</b>	
WJAX	930
WJHP	1320
WMBR	1400

<b>Lakeland</b>	
WLAK	1340

<b>Lakeworth</b>	
WWPG	1340

<b>Miami</b>	
WIOD	610
WQAM	560

<b>Miami Beach</b>	
WKAT	1360

<b>Ocala</b>	
WTMC	1490
<b>Orlando</b>	
WDBO	580
WLOF	1230

<b>Panama City</b>	
WDLF	1230

<b>Pensacola</b>	
WCOA	1370

<b>St. Augustine</b>	
WFOY	1240

<b>St. Petersburg</b>	
WSUN	620
WTSP	1380

<b>Sarasota</b>	
WSPB	1450
<b>Tallahassee</b>	
WTAL	1340

<b>Tampa</b>	
WDAE	1250
WFLA	940

<b>West Palm Beach</b>	
WJNO	1230

### GEORGIA

<b>Albany</b>	
WALB	1590
WGPC	1450

<b>Athens</b>	
WGAU	1340

<b>Atlanta</b>	
WAGA	1480
WATL	1400
WGST	920
WSB	750

<b>Augusta</b>	
WAGA	590
WRDW	1480

<b>Brunswick</b>	
WMOG	1490
<b>Cedartown</b>	
WGAA	1340

<b>Columbus</b>	
WRBL	1230
<b>Cordele</b>	
WMJM	1490
<b>Dalton</b>	
WBLJ	1230

## BROADCASTING STATIONS BY LOCATIONS

Gainesville  
WGGA 1240  
Griffin  
WKEU 1450  
La Grange  
WLAG 1240  
Macon  
WBML 1240  
WMAZ 940  
Moultrie  
WMGA 1400  
Rome  
WRGA 1490  
Savannah  
WSAV 1340  
WTOC 1290  
Thomasville  
WPAX 1240  
Toccoa  
WRLC 1450  
Valdosta  
WGOV 1450  
Waycross  
WAYX 1230  
West Point  
WDAK 1340

### HAWAII

Hilo  
KHBC 1230  
Honolulu  
KGM B 59  
KGU 760  
Lihue  
KTOH 1490

### IDAHO

Boise  
KIDO 1380  
Idaho Falls  
KID 1350  
Lewiston  
KRLC 1400  
Nampa  
KFXD 1230  
Pocatello  
KSEI 930  
Twin Falls  
KTFI 1270  
Wallace  
KWAL 1450

### ILLINOIS

Aurora  
WMRO 1280  
Bloomington  
WJBC 1230  
Cairo  
WKRO 1490  
Carthage  
WCAZ 1080  
Champaign  
WDWS 1400  
Chicago  
WAAF 950  
WBBM 780  
WAIT 1110  
WCFL 1000

WCRW 1240  
WEDC 1240  
WENR 890  
WGES 1390  
WGN 720  
WJID 1160  
WLS 890  
WMAO 670  
WMBI 1110  
WSBC 1240

Cicero  
WHFC 1450  
Danville  
WDAN 1490  
Decatur  
WSOY 1340  
East St. Louis  
WTMV 1490  
Galesburg  
WGIL 1400  
Harrisburg  
WEBQ 1240  
Herrin  
WJPF 1340  
Jacksonville  
WLDS 1180  
Joliet  
WCLS 1340  
Peoria  
WMBD 1470  
Quincy  
WTAD 930  
Rockford  
WROK 1440  
Rock Island  
WHBF 1270  
Springfield  
WCBS 1450  
WTAX 1240  
Tuscola  
WDZ 1050  
Urbana  
WILL 580

### INDIANA

Anderson  
WHBU 1240  
Elkhart  
WTRC 1340  
Evansville  
WEOA 1400  
WGBF 1280  
Fort Wayne  
WGL 1450  
WOWO 1190  
Gary  
WIND 560  
Hammond  
WHIP 1520  
WJOB 1230  
Indianapolis  
WFBM 1260  
WIBC 1070  
WIRE 1430  
WISH 1310  
Kokomo  
WKMO 1400  
Lafayette  
WFAM 1230  
Muncie  
WLBC 1340  
New Albany  
WGRC 1400  
Richmond  
WKBV 1490  
South Bend  
WSBT 960

Terre Haute  
WBOW 1230  
Vincennes  
WAOV 1450  
West Lafayette  
WBAA 920

### IOWA

Ames  
WOI 640  
Boone  
KFGQ 1400  
Burlington  
KBUR 1490  
Cedar Rapids  
WMT 600  
Clinton  
KROS 1340  
Davenport  
WOC 1420  
Decorah  
KWLC 1240  
Des Moines  
KRNT 1350  
KSO 1460  
WHO 1040  
Dubuque  
KDTH 1370  
WKBB 1490  
Fort Dodge  
KVFD 1400  
Iowa City  
WSUI 910  
Marshalltown  
KFTB 1230  
Mitchellville  
W9XC 1040  
Mason City  
Ottumwa  
KBIZ 1240  
Shenandoah  
KFNF 920  
KMA 960  
Sioux City  
KSCI 1360  
KTRI 1450

### KANSAS

Atchinson  
KVAK 1450  
Coffeyville  
KGGF 690  
Dodge City  
KGNO 1370  
Emporia  
KTSW 1400  
Garden City  
KIUL 1240  
Great Bend  
KVBG 1400  
Hutchinson  
KWBW 1450  
Kansas City  
KCKN 1340  
Lawrence  
KFKU 1250  
WREN 1250  
Manhattan  
KSAC 580  
Pittsburg  
KOAM 810

Salina  
KSAL 1150  
Topeka  
WIBW 580  
Wichita  
KANS 1240  
KFBI 1070  
KPH 1330

### KENTUCKY

Ashland  
WCMI 1340  
Bowling Green  
WLBJ 1340  
Harlan  
WHLN 1450  
Jenderson  
WSON 860  
Hopkinsville  
WHOP 1230  
Lexington  
WLAP 1450  
Louisville  
WAVE 970  
WHAS 840  
WINN 1240  
Owensboro  
WOMF 1490  
Paducah  
WPAD 1450

### LOUISIANA

Alexandria  
KALB 1240  
Baton Rouge  
WJBO 1150  
Lafayette  
KVOL 1340  
Lake Charles  
KPLC 1490  
Monroe  
KMI B 1230  
New Orleans  
WDSU 1280  
WIBW 1230  
WNOE 1450  
WSMB 1350  
WWL 870  
Shreveport  
KRMD 1340  
KTBS 1480  
KWKH 1130

### MAINE

Augusta  
WRDO 1400  
Bangor  
WABI 1230  
WLBZ 620  
Lewiston  
WCOU 1240  
Portland  
WCSH 970  
WGAN 560  
Presque Isle  
WAGM 1450

### MARYLAND

Baltimore  
WBAL 1090  
WBAL 770

WCAO 600  
WCBM 1400  
WFBR 1300  
WITH 1230  
Cumberland  
WTBO 820  
Frederick  
WFMD 930  
Hagerstown  
WJEJ 1240  
Salisbury  
WBOC 1490

### MASSACHUSETTS

Boston  
WAAB 1440  
WBZ 1030  
WCOP 1150  
WEEI 590  
WHDH 850  
WMEX 1510  
WNAC 1260  
WORL 950  
Fall River  
WSAR 1480  
Fitchburg  
WEIM 1340  
Greenfield  
WHA1 1240  
Holyoke  
WHYN 1400  
Hyannis  
WOCB 1240  
Lawrence  
WLAW 680  
WLLH 1400  
Lowell  
WLLH 1400  
New Bedford  
WNBH 1340  
Pittsfield  
WBRK 1340  
Salem  
WESX 1230  
Springfield  
WBZA 1030  
WMAS 1450  
WSPR 1270  
Worcester  
WMAW 1230  
WORC 1310  
WTAG 580

### MICHIGAN

Battle Creek  
WEIL 1400  
Bay City  
WBCM 1440  
Calumet  
WHDF 1400  
Detroit  
WTBK 1490  
WTI B 1400  
WTR 760  
WWJ 950  
WXYZ 1270  
East Lansing  
WKAR 870  
Fscanaba  
WDBC 1490

## BROADCASTING STATIONS BY LOCATIONS

**Flint**  
WFDF 910  
**Grand Rapids**  
WASH 1300  
WGRB 1230  
WLAV 1340  
WOOD 1300

**Ironwood**  
WJMS 1450

**Jackson**  
WIBM 1450

**Kalamazoo**  
WKZO 590

**Lansing**  
WJIM 1240

**Lapeer**  
WMPG 1230

**Marquette**  
WDMJ 1340

**Muskegon**  
WKBZ 1490

**Pontiac**  
WCAR 1130

**Port Huron**  
WHLS 1450

**Royal Oak**  
WEXL 1340

**Saginaw**  
WHAL 980  
WSAM 1230

**Sault Ste. Marie**  
WSOO 1230

**Traverse City**  
WTCM 1400

### MINNESOTA

**Albert Lea**  
KATE 1450

**Duluth**  
KDAL 610  
W EBC 1320

**Fergus Falls**  
KGDE 1230

**Hibbing**  
WMFG 1240

**Mankato**  
KYSM 1230

**Minneapolis**  
WCCO 830  
WDGY 1130  
WLB 770  
WLOL 1330  
WTCN 1280

**Moorhead**  
KVOX 1340

**Northfield**  
WCAL 770

**Rochester**  
KROC 1340

**St. Cloud**  
KFAM 1450

**St. Paul**  
KSTP 1500  
WMIN 1400

**Virginia**  
WHTB 1400

**Willmar**  
KWLM 1340

**Winona**  
KWNO 1230

### MISSISSIPPI

**Columbus**  
WCBI 1400

**Greenville**  
WJPR 1340

**Greenwood**  
WGRM 1240

**Gulfport**  
WGCM 1240

**Hattiesburg**  
WFOR 1400

**Jackson**  
WJDX 1300  
WSLI 1450

**Laurel**  
WAML 1340

**McComb**  
WSKB 1230

**Meridian**  
WCOC 910

**Natchez**  
WMIS 1490

**Vicksburg**  
WQBC 1390

### MISSOURI

**Cape Girardeau**  
KFVS 1400

**Clayton**  
KFUO 850

**Columbia**  
KFRU 1400

**Hannibal**  
KHMO 1340  
Jefferson City  
KWOS 1240

**Joplin**  
WMBH 1450

**Kansas City**  
KCMO 1480  
KITE 1590  
KMBC 980  
WDAF 610  
WHB 880

**Poplar Bluff**  
KWOC 1340

**St. Joseph**  
KFEQ 680

**St. Louis**  
KMOX 1120  
KSD 550  
KWK 1380  
KXOK 630  
WEW 770  
WIL 1230

**Sedalia**  
KDRO 1490

**Springfield**  
KGBX 1260  
KWTO 560

### MONTANA

**Billings**  
KGHL 790

**Bozeman**  
KRBM 1450

**Butte**  
KGIR 1370

**Great Falls**  
KFBB 1310

**Helena**  
KPFA 1240

**Kalispell**  
KGEZ 1340

**Miles City**  
KRJF 1340

**Missoula**  
KGVO 1290

**Wolf Point**  
KGCX 1480

### NEBRASKA

**Fremont**  
KORN 1400

**Grand Island**  
KMMJ 750

**Hastings**  
KHAS 1230

**Kearney**  
KGFV 1340

**Lincoln**  
KFAB 780  
KFOR 1240

**Norfolk**  
WJAG 1090

**North Platte**  
KGNF 1460

**Omaha**  
KOIL 1290

**KOWH** 660  
**WOW** 590

**Scottsbluff**  
KGKY 1490

### NEVADA

**Las Vegas**  
KENO 1400  
KFUN 1450

**Reno**  
KOH 630

### NEW HAMPSHIRE

**Keene**  
WKNE 1290

**Laconia**  
WLNH 1340

**Manchester**  
WFEA 1370  
WMUR 610

**Portsmouth**  
WHEB 750

### NEW JERSEY

**Asbury Park**  
WCAP 1310

**Atlantic City**  
WBAB 1400  
WFPG 1450

**Bridgeton**  
WSNJ 1240

**Camden**  
WCAM 1310

**Jersey City**  
WAAT 970  
WHOM 1480

**Newark**  
WHBI 1280

**Paterson**  
WPAT 930

**Red Bank**  
WBRB 1240

**Trenton**  
WTNI 1310  
WTTM 920

**KICA** 1240

**Zarephath**  
WAWZ 1380

### NEW MEXICO

**Albuquerque**  
KQGM 1260  
KOB 1030

**Carlsbad**  
KAWE 1240

**Clovis**  
KICA 1400

**Gallup**  
KAWM 1490

**Hobbs**  
KWFW 1490

**La Vegas**  
KFUN 1230

**Roswell**  
KGFL 1400

**Santa Fe**  
KVSV 1340

**Tucumcari**  
KTNM 1400

### NEW YORK

**Albany**  
WABY 1400  
WOKO 1460

**Auburn**  
WMBO 1340

**Batavia**  
WBT A 1490

**Binghamton**  
WBNF 1290

**Brooklyn**  
WBYN 1430  
WBBR 1330  
WCWN 1600

**Buffalo**  
WBEN 930  
WBNY 1400  
WEBR 1340  
WGR 550  
WKBW 1520  
WSVS 1400

**Canton**  
WCAD 1250

**Elmira**  
WENY 1230

**Endicott**  
WLAN 1450

**Freeport**  
WGBB 1240

**Ithaca**  
WHCU 870

**Jamestown**  
WJTN 1240

**Kingston**  
WKNY 1490

**Newburgh**  
WGNV 1220

**New York**  
WABC 880  
WBNX 1380  
WEAF 660  
WEVD 1330  
WHN 1050  
WINS 1000  
WJZ 770  
WVCA 570  
WNEW 1280  
WNYC 830  
WOR 710  
WOV 1130  
WQXR 1560

**Niagara Falls**  
WHL D 1290

**Ogdensburg**  
WSLB 1400

**Olean**  
WHD L 1450

**Plattsburg**  
WMFF 1340

**Poughkeepsie**  
WKIP 1450

**Rochester**  
WHAM 1180  
WHEC 1460  
WSAY 1240

**Saranac Lake**  
WNBZ 1320

**Schenectady**  
WGY 810

**Syracuse**  
WAGE 620  
WFBL 1390  
WOLF 1490  
WSYR 570

**Troy**  
WHAZ 1330  
WTRY 980

**Utica**  
WIBX 1230

**Watertown**  
WATN 1240  
WNNY 1300

**White Plains**  
WFAS 1240

**Woodside**  
WWRL 1600

### NORTH CAROLINA

**Asheville**  
WISE 1230  
WUNC 570

**Burlington**  
WBBB 920

**Charlotte**  
WAYS 610  
WBT 1110  
WSOC 1240

**Durham**  
WDNC 1490

**Elizabeth City**  
WCNC 1400

**Fayetteville**  
WFNC 1370

**Gastonia**  
WGNC 1450

## BROADCASTING STATIONS BY LOCATIONS

Goldsboro  
WGBR 1400

Greensboro  
WBIG 1470  
WGBG 980

Greenville  
WGTC 1490

Hickory  
WHKY 1400

High Point  
WMFR 1230

Devils Lake  
KDLR 1240

Kinston  
WFTC 1230

Raleigh  
WPTF 680  
WRAL 1240

Roanoke Rapids  
WCBT 1230

Rocky Mount  
WEED 1450

Salisbury  
WSTP 1490

Wilmington  
WMFD 1400

Wilson  
WGTM 1340

Winston-Salem  
WAIR 1340  
WSJS 600

### NORTH DAKOTA

Bismarck  
KFYR 550

Fargo  
WDAY 970

Grand Forks  
KFJM 1440  
KILQ 1440

Jamestown  
KRMC 1400

Mandan  
KGCU 1270

Minot  
KLPB 1390

Valley City  
KOVC 1490

### OHIO

Akron  
WADC 1350  
WAKR 1590  
WJW 1240

Ashtabula  
WICA 970

Canton  
WHBC 1230

Cincinnati  
WCKY 1530  
WCPO 1230  
WKRC 550  
WLW 700  
WSAI 1360

Cleveland  
WGLE 610  
WGAR 1480

WHK 1420  
WTAM 1100

Columbus  
WBNS 1460  
WCOL 1230  
WHKC 640  
WOSU 820

Dayton  
WHIO 1290  
WING 1410

Findlay  
WFIN 1330

Lima  
WLOK 1240

Mansfield  
WMAN 1400

Marion  
WMRN 1490

Portsmouth  
WPAY 1400

Springfield  
WIZE 1340

Steuensville  
WSTV 1340

Toledo  
WSPD 1370  
WTOL 1230

Warren  
WRRN 1400

Youngstown  
WFMJ 1450  
WKBN 570

Zanesville  
WHIZ 1240

### OKLA- HOMA

Ada  
KADA 1230

Ardmore  
KVSQ 1240

Elk City  
KASA 1240

Enid  
KCRC 1390

Lawton  
KSWO 1150

Muskogee  
KBIX 1490

Norman  
WNAD 640

Oklahoma City  
KOCY 1340  
KOMA 1520  
KTOK 1400  
WKY 930

Okmulgee  
KHBG 1240

Ponca City  
WBBB 1230

Shawnee  
KGFF 1450

Fulsa  
KOME 1340  
KTUL 1430  
KVOO 1170

### OREGON

Albany  
KWIL 1240

Astoria  
KAST 1230

Baker  
KBKR 1490

Bend  
KBND 1340

Corvallis  
KOAC 550

Eugene  
KORE 1450

Grants Pass  
KUIN 1340

Klamath Falls  
KFJI 1240

La Grande  
KLBM 1450

Marshfield  
KOOS 1230

Medford  
KMED 1440

Pendleton  
KWRC 1240

Portland  
KALE 1330  
KBPS 1450  
KEX 1190  
KGW 620  
KOIN 970  
KWJJ 1080  
KXL 1450

Roseburg  
KRRR 1490

Salem  
KSLM 1390

The Dalles  
KODL 1230

### PENN- SYLVANIA

Allentown  
WCBA 1470  
WSAN 1470

Altoona  
WFBG 1340

Butler  
WISR 680

DuBois  
WCED 1230

Easton  
WEST 1400

Erie  
WERC 1490  
WLEU 1450

Glenside  
WIBG 990

Greensburg  
WHJB 620

Grove City  
WSAJ 1340

Harrisburg  
WHP 1460  
WKBO 1230

Hazleton  
WAZL 1450

Johnstown  
WJAC 1400

Lancaster  
WGAL 1490

Lewistown  
WMRF 1490

New Castle  
WKST 1280

New Kensington  
WKPA 1150

Philadelphia  
KYW 1060  
**WCAU 1210**  
WDAS 1400  
WFIL 560  
WHAT 1340  
WIP 610  
WPEN 950  
WTEL 1340

Pittsburgh  
KDKA 1020  
KQV 1410  
WCAE 1250  
WJAS 1320  
WWSW 1490

Reading  
WEEU 850  
WRAW 1340

Scranton  
WARM 1400  
WGBI 910  
WQAN 910

Sharon  
WPIC 790

Sunbury  
WKOK 1240

Uniontown  
WMBS 590

Washington  
WJPA 1450

Wilkes-Barre  
WBAX 1240  
WBRE 1340

Williamsport  
WRAK 1400

York  
WORK 1350

### PUERTO RICO

Mayaguez  
WPRA 790

Ponce  
WPAB 1370  
WPRP 1520

San Juan  
WIAC 580  
WKAQ 620  
WNEL 1320

### RHODE ISLAND

Pawtucket  
WFCI 1420

Providence  
WEAN 790  
WJAR 920  
WPRO 630

### SOUTH CAROLINA

Anderson  
WAIM 1230

Charleston  
WCSC 1390  
WTMA 1250

Columbia  
WCOS 1400  
WIS 560

Florence  
WOLS 1230

Greenville  
WFBC 1330  
WMRC 1490

Greenwood  
WCRS 1450

Spartanburg  
WORD 1400  
WSPA 950

Sumter  
WFIG 1340

### SOUTH DAKOTA

Aberdeen  
KABR 1420

Brookings  
KFDY 790

Pierre  
KGFY 630

Rapid City  
KOBH 1400  
WCAT 1230

Sioux Falls  
KELO 1230  
KSOO 1140

Vermillion  
KUSD 920

Watertown  
KWAT 1240

Yankton  
WNAX 570

### TENNES- SEE

Bristol  
WOPI 1490

Chattanooga  
WAPO 1150  
WDEF 1400  
WDOD 1310

Clarksville  
WJZM 1400

Cookeville  
WHUB 1400

Jackson  
WTJS 1390

Johnson City  
WJHL 910

Kingsport  
WKPT 1400

Knoxville  
WBRN 1240  
WNOX 990  
WROL 620

Memphis  
WHBQ 1400  
WMC 790  
WMPB 1460  
WREC 600

Nashville  
WLAC 1510  
WSIX 1240  
WSM 650

## BROADCASTING STATIONS BY LOCATIONS

TEXAS								WISCONSIN	
Abiene	KRBC 1450	Midland	KRLH 1230	Rutland	WSYB 1390	Pullman	KWSC 1250	Appleton	WHBY 1230
Amarillo	KFDA 1230 KGNC 1440	Palestine	KNET 1450	St. Albans	WWSR 1420	Seattle	KEVR 1400	Ashland	WATW 1400
Austin	KNOW 1490 KTBC 1150	Pampa	KPDN 1340	Waterbury	WDEV 550	KIRO	710	Eau Claire	WEAU 790
Beaumont	KFDM 560 KRIC 1450	Paris	KPLT 1490			KJR	1000	Fond du Lac	WFIZ 1450
Big Spring	KBST 1490	Pecos	KIUN 1400	VIRGINIA		KOL	1300	Green Bay	WTAQ 1360
Brady	KNEL 1490	Port Arthur	KPAC 1250	Charlottesville	WCHV 1450	KOMO	950	Janesville	WCLO 1230
Brownsville	KEEW 1490	San Angelo	KGKL 1400	Covington	WJMA 1340	KRSC	1150	La Crosse	WKBH 1410
Brownwood	KBWD 1380	San Antonio	KABC 1450 KMAC 1240 KONO 1400 KTSA 550 WOAI 1200	Danville	WBTM 1400	KRW	1250	Madison	WHA 970 WIRA 1310
College Station	WTAW 1150	Sherman	KRRV 910	Fredericksburg	WFVA 1290	KXA	770	Manitowoc	WOMT 1240
Corpus Christi	KEYS 1490 KPS 1360	Sweetwater	KXOX 1240	Harrisonburg	WSVA 550	Vancouver	KVAN 910	Marinette	WMAM 570
Corsicana	KAND 1340	Temple	KTEM 1400	Lynchburg	WLVA 1230	Walla Walla	KUJ 1420	Medford	WIGM 1400
Dallas	KRLD 1080 KSKY 660 WFAA 820 WRR 1310	Texarkana	KCMC 1450	Martinsville	WMVA 1450	Wenatchee	KPO 560 Yakima 1280	Milwaukee	WEMP 1340 WISN 1150 WTMJ 620
Denton	KDNT 1450	Tyler	KGKB 1490	Newport News	WGH 1340			Oshkosh	WOSH 1490
Dublin	KFPL 1340	Vernon	KVWC 1490	Norfolk	WTAR 790	WEST VIRGINIA		Poynette	WIBU 1240
El Paso	KROD 600 KTSM 1380	Victoria	KVIC 1340	Petersburg	WPID 1240	Bleckley	WJLS 1240	Racine	WRJN 1400
Fort Worth	KFJZ 1270 KGKO 570 WBAP 820	Waco	WACO 1450	Richmond	WBBL 1240 WMBG 1380 WRNL 910 WRVA 1140	Bluefield	WHIS 1440	Rice Lake	WJMC 1240
Galveston	KLUF 1400	Weslaco	WRGV 1290	Roanoke	WDBJ 960 WLSL 1490	Charleston	WCHS 580 WGKV 1490	Sheboygan	WHBL 1330
Harlingen	KGBS 1240	Wichita Falls	KWFT 620	Suffolk	WLPM 1450	Clarksburg	WBLK 1400	Stevens Point	WLBL 930
Houston	KPRC 950 KTRH 1320 KXYZ 1470	UTAH		Winchester	WINC 1400	Fairmont	WMMN 920	Superior	WDSM 1230
Huntsville	KSAM 1490 Kilgore KOCA 1240	Cedar City	KSUB 1340			Huntington	WSAZ 930	Wausau	WSAU 1400
Laredo	KPAB 1490	Logan	KVNU 1230	WASHINGTON		Logan	WLOG 1230	Wisconsin Rapids	WFHR 1340
Longview	KFRO 1370	Ogden	KLO 1430	Aberdeen	KXRO 1340	Morgantown	WAJR 1230	WYOMING	
Lubbock	KFYO 1340	Price	KEUB 1450	Bellingham	KVOS 1230	Parkersburg	WPAR 1450	Casper	KDFN 1470
Lufkin	KRBA 1340	Provo	KOVO 1240	Centralia	KELA 1470	Welch	WBRW 1340	Cheyenne	KFBC 1450 KYAN 1400
		Salt Lake City	KDYL 1320 KSL 1160 KUTA 570	Everett	KEVE 1460 KEVR 1090 KRKO 1400	Wheeling	WKWK 1400 WVVA 1170	Powell	KPOW 1230
		VERMONT		Longview	KWLK 1400	Williamson	WBTH 1400	Rock Springs	KVRS 1400
		Burlington	WCAX 1230	Olympia	KGY 1240			Sheridan	KWYO 1400

## BROADCASTING STATIONS BY LOCATIONS

### CANADA

#### ALBERTA

Calgary  
CFAC 960  
CFCN 1010  
CJCJ 1230

Edmonton  
CFRN 1260  
CJCA 930  
CKUA 580

Grande Prairie  
CFGP 1340  
Lethbridge  
CJOC 1400

#### BRITISH COLUMBIA

Chilliwack  
CHWK 1340

Kamloops  
CFJC 910

Kelowna  
CKOV 630

Nelson  
CKLN 1240

Prince Rupert  
CFPR 1240

Trail  
CJAT 610

Vancouver  
CBR 1130  
CJOR 600  
CKMO 1410  
CKWX 980

Victoria  
CFCT 1480

#### MANITOBA

Brandon  
CKX 1150

Flin Flon  
CFAR 1400

Winnipeg  
CJRC 630  
CKY 990

#### NEW BRUNSWICK

Campbellton  
CKNB 1240

Fredericton  
CKNB 950

Moncton  
CKCW 1400

Sackville  
CBA 1070

St. John  
CHSJ 1150

#### NOVA SCOTIA

Glace Bay  
VAS 685

Halifax  
CHNS 960

Sydney  
CJCB 1270

Yarmouth  
CJLS 1340

#### ONTARIO

Brantford  
CKPC 1380

Chatham  
CFCO 630

Cobalt  
CKMC 1240

Hamilton  
CHML 906  
CKOC 1150

Kenora  
CKCA 1450

Kingston  
CFRC 1490

Kirkland Lake  
CJKL 560

London  
CFPL 1570

North Bay  
CFCH 600

Ottawa  
CBO 910  
CKCO 1310

Owen Sound  
CFOS 1406

Port Arthur  
CKPR 580

Prescott  
CFLC 1450

St. Catharines  
CKTB 1230

Sault Ste. Marie  
CJIC 1490

Stratford  
CJCS 1240

Sudbury  
CKSO 790

Timmins  
CKTB 1550

Toronto  
CBL 740  
CBBY 1010  
CFRB 860  
CKCL 580

Windsor  
CKLW 800

Wingham  
CKNX 920

#### PRINCE EDWARD ISLAND

Charlottetown  
CFCY 630  
CHCK 1340

Summerside  
CHGS 1480

#### QUEBEC

Chicoutimi  
CBJ 1240

Hull  
CKCH 1240

Montreal  
CBF 690  
CBM 940  
CFCF 600  
CHLP 1490  
CKAC 730

New Carlisle  
CHNC 610

Quebec  
CRV 980  
CHRC 800  
CKCV 1340

Rimouski  
CJBR 900

Rouyn  
CKRN 1400

Ste. Anne de la Pocatiere  
CHGB 1230

Sherbrooke  
CHLT 1240

Three Rivers  
CHLN 1450

Val d'Or  
CKVD 1230

#### SASKATCHEWAN

Moose Jaw  
CHAB 1220

Prince Albert  
CKBI 900

Regina  
CJRM 980  
CKCK 620

Saskatoon  
CFQC 600

Watrous  
CBK 540

Yorkton  
CJGX 1460

CMCO 1230

CMCQ 1420

CMCU 1190

CMCR 1580

CMCW 1230

CMCX 1290

CMCY 590

CMK 740

CMOA 1360

CMOX 1490

CMQ 690

CMW 550

CMX 1010

CMZ 630

Jovellanos

CMGN 1310

Manzanillo

CMKE 1320

CMKM 560

Matanzas

CMGF 1240

CMGH 1440

Nuevitas

CMJQ 1580

Palma Soriano

CMKZ 1430

Pinar del Rio

CMAB 1450

CMAN 1300

CMAQ 1410

Placetas

CMHP 1320

Puerto Padre

CMKY 1350

Sagua la Grande

CMHA 1280

Sancti Spiritus

CMHB 1410

Santa Clara

CMHI 570

CMHN 960

CMHO 1250

CMHQ 810

Santiago

CMKC 1250

CMKD 1290

CMKG 1050

CMKN 930

CMKQ 1460

CMKR 1390

CMKU 970

CMKW 1000

Trinidad

CMHT 990

Victoria de las Tunas

CMKO 1220

CMKV 600

### CUBA

Artemisa  
CMAX 830

Banes  
CMKX 1090

Caibarien  
CMHD 1560

Camaguey

CMJA 1060

CMJC 1340

CMJE 1230

CMJF 1300

CMJK 620

CMJL 920

CMJN 740

CMJW 1400

Cardenas

CMGE 1470

Ciego de Avila

CMJH 1370

CMJI 1440

CMJM 1270

CMJO 1470

Cienfuegos

CMHJ 1350

CMHM 1450

CMHX 1180

Cruces  
CMHK 1380

Guanajay  
CMAC 1370

Guantanamo

CMKH 1130

CMKS 900

Havana

CMBC 790

CMBD 1420

CMBF 1260

CMBG 1330

CMBH 1540

CMBL 860

CMBQ 1150

CMBS 1330

CMBX 1390

CMBY 1110

CMBZ 950

CMC 1360

CMCA 1490

CMCB 1390

CMCF 910

CMCG 1460

CMCH 1290

CMCJ 1580

CMCK 980

CMCM 1060

## BROADCASTING STATIONS BY LOCATIONS

### MEXICO

#### AGUAS-CALIENTES

Aguascalientes  
XEBI 1360

#### BAJA CALIFORNIA

Ensenada  
XEPF 1400

Mexicali  
XEAA 1340  
XEAQ 910  
XECL 990

Rosarito Beach  
XERB 1090

Tijuana  
XEAC 690  
XEAU 1470  
XEBG 1550  
XEC 1310  
XEGM 950  
XEMO 860  
XEON 1420  
XERT 1270

#### CAMPECHE

Campeche  
XEA 1370

#### CHIAPAS

Tuxtla Gutierrez  
XEXJ 1280

#### CHIHUAHUA

Camargo  
XEDN 1270  
Chihuahua  
XEBU 1260  
XEBW 1280  
XEFI 1440  
XEJK 1340  
XEM 1390

Juarez  
XEF 1420  
XEFV 1270  
XEJ 970  
XEP 1300  
XESK 800  
XEWG 1360

Parral  
XEAT 1250  
XEJR 1490

#### COAHUILA

Piedras Negras  
XEMI 920  
XEMU 580  
Sabinas  
XEBX 610

Saltillo  
XEKS 1330  
XESJ 1420  
XEXU 1490

Torreon  
XEBP 1260  
XEBO 1450  
XEDE 1400  
XEOH 600  
XETB 1350

Villa Acuna  
XEAB 1600  
XEAQ 1430  
XEDH 1340

#### COLIMA

Colima  
XERL 1280

#### DISTRITO FEDERAL

Mexico  
XEAJ 1320  
XEB 1220  
XEBB 1410  
XEBZ 660  
XEDA 1290  
XEDP 730  
XEFO 1110  
XEJP 1150  
XEK 970  
XEL 1260  
XELA 830  
XELZ 1440  
XEMC 1590  
XEMX 1380  
XEN 690  
XENK 620  
XEOF 560  
XEOY 1000  
XEPH 590  
XEQ 940  
XEQK 1350  
XERC 790  
XERH 1500  
XESH 1470  
XEST 1060  
XEW 900  
XEXX 860

#### DURANGO

Durango  
XEE 1280  
XEMG 1310

#### GUANAJUATO

Irapuato  
XEO 1330  
XEW 1400  
Leon  
XEFM 1270  
XERZ 550

#### GUERRERO

Acapulco  
XEKJ 1400

#### JALISCO

Guadalajara  
XEAD 1310  
XED 680  
XEDK 1250  
XEGT 1490  
XEHK 960  
XEHL 1370  
XEJB 1010  
XELW 1170  
XEXM 1400  
Guzman  
XEBA 1270

#### MEXICO

Texcoco  
XEXE 1450  
Toluca  
XECH 1490  
XEXS 1340

#### MICHOACAN

Morelia  
XEBC 1270  
XEI 1400  
XESF 600  
Zamora  
XEGC 1450

#### NAYARIT

Tepic  
XERK 1450  
XEXT 980

#### NUEVO LEON

XEAW 1570  
XEFB 630  
XEG 1050  
XEH 1250  
XEMR 1370  
XET 990  
XEX 1280

#### OAXACA

Oaxaca  
XEAX 1270

#### PUEBLA

Puebla  
XECD 1170  
XEHR 1090

#### QUERETARO

XEJX 1450

#### SAN LUIS POTOSI

San Luis Potosi  
XEEM 1260  
XECZ 1430  
XEQ 1400

#### SINALOA

Culiacan  
XEGF 1300  
XESA 1360

Los Mochis  
XECF 1330  
XEOX 1280

Mazatlan  
XEBL 1260  
XEDS 1420  
XERJ 610

#### SONORA

Agua Prieta  
XERY 1410

Cananea  
XEFO 980  
XESY 1320

Guaymas  
XEDR 1490

Hermosillo  
XEBH 920  
XEOT 960

Magdalena  
XEDJ 1450

Naco  
XETM 1350

Navojua  
XEAJ 1400  
XEGL 1270

Nogales  
XEHF 1370  
XFON 1010  
XEY 500

Obregon  
XEAP 1290

#### TAMAULIPAS

Madero  
XETR 1490

Matamoros  
XEAM 1400  
XEO 970  
XEXP 1450

Nuevo Laredo  
XEBK 1340  
XEDF 1260

XEFE 960  
XELC 1410  
XELF 1380  
XELH 1460  
XELJ 790  
XENT 1140

Reynosa  
XEAW 1570  
XEAZ 1390

Tampico  
XECA 680  
XEFW 810  
XES 1300  
XETU 1460

Victoria  
XEBJ 1450

#### VERA CRUZ

Coatzacoalcos  
XEFZ 1340

Cordoba  
XEAG 1280  
XECW 1340

Jalapa  
XEJA 1400

Minatitlan  
XEDW 1260

Orizaba  
XETO 1370  
XEPP 1450

Veracruz  
XEHB 1310  
XETF 1250  
XEU 960  
XEXF 1490

#### YUCATAN

Merida  
XEFC 1340  
XEFK 1450  
XEME 1270  
XEMH 1400  
XEZ 600

Progreso  
XEOK 1430

#### ZACATECAS

Fresnillo  
XEMA 1340  
Zacatecas  
XELK 1280



## BROADCASTING STATIONS BY LOCATIONS

### NORTH AMERICA

#### BAHAMAS

Nassau  
ZNS 790

#### COSTA RICA

Heredia  
TI4NRH 725  
San Jose  
TIEP 830  
TIGH 690  
TIGPH 605  
TIGPH2 1225  
TING 750  
TIPG 625  
TIRCC 1200

#### DOMINICAN REPUBLIC

Ciudad  
Trujillo  
HIN 1090  
HIX 950  
HIZ 1350  
HI8Q 1470

#### EL SALVADOR

San Salvador  
YSS 640

#### GUATE- MALA

Guatemala  
City  
TGW 1520  
TG1 1310  
Quezalte-  
nango  
TGO 1450

#### HAITI

Leogane  
HHK 1080  
Port-au-  
Prince  
HHW 1230

#### HONDURAS

Tegucigalpa  
HRN 1450

#### MIQUELON

St. Pierre  
FQN 609

#### NEW- FOUND- LAND

St. John's  
VOGY 840  
VONF 640  
VOWR 700

#### NICARA- GUA

Managua  
YNOW 1230  
YNPH 660

#### PANAMA

Colon  
HOK 640

### SOUTH AMERICA

#### COLOMBIA

Armenia  
HJFI 1540

#### Barranquilla

HJAA 1330  
HJAH 1080  
HJAI 1370  
HJAK 1310  
HJAN 1190  
HJAT 1275

#### Bogota

HJCB 1105  
HJCC 870  
HJCE 1220  
HJCG 1060  
HJCI 810  
HJCI 1380  
HJCK 1290  
HJCM 970  
HJCO 1160  
HJCR 1200  
HJCS 920  
HJCU 720  
HJ CZ 1040

#### Bucaramanga

HJGE 1130  
HJGK 1280

#### Buga

HJEI 1410

#### Cali

HJEB 1150  
HJEC 1300  
HJEE 1090  
HJEL 1260

#### Cartagena

HJAE 1240  
HJAR 1400

Cienega  
HJBE 1460

Cucuta  
HJBC 1270

#### Higueronia

HJEF 1340

#### Ibague

HJFL 1440

#### Manizales

HJFD 1390  
HJFX 600

#### Medellin

HJDC 1350  
HJDK 1250  
HJDL 1480  
HJDM 1520  
HJDQ 1320  
HJDR 1380  
HJDT 1150  
HJDU 1490

#### Monteria

HJAM 1210

#### Palmira

HJEM 1510

#### Papoyan

HJEG 1450

#### Pereira

HJFE 1470  
HJFF 1350

#### Santa Marta

HJBJ 1140

#### Tulua

HJEK 1430

### VENEZUE- LA

Barcelona  
YV6RE 1080

Barquisimeto  
YV3RA 1270

YV3RE 1475

Bolivar  
YV6RA 1400

#### Caracas

YVKA 630  
YV5RA 960  
YV5RB 790  
YV5RG 1010  
YV5RI 590  
YV5RL 1160  
YV5RQ 882

Coro  
YV1RW 1370

La Guaira  
YV5RZ 1050

#### Maracaibo

YV1RA 1300  
YV1RC 1409  
YV1RD 1153  
YV1RF 1120  
YV1RK 1250

#### Maracay

YV4RD 1153  
YV4RL 1430

Puerto Cabello  
YV4RR 1490

San Cristobal  
YV2RB 980

#### Valencia

YV4RA 1350  
YV4RE 1400

### FM on Mt. Washington

want. Temperature—32 and 3/10 degrees.

Now there's an old oaken bucket and a "well above the clouds" on Mount Washington—a well as deep as the Empire State Building!

Programs for W39B as well as W43B are not fed by wires from Boston. They are broadcast by an ultra high frequency FM station using a highly directional antenna, and picked up—again by the use of directional antenna—by the two FM stations for rebroadcast to the public.

The difference between FM and AM is that FM starts off with a wide assortment of high-calibre programs and a complete knowledge of public demands, which wasn't the case in the early days of radio. A recent inauguration of the twin FM stations of New England is the Yankee Network's "Charter Listener" plan, whereby thousands of regular listeners throughout the New England area and many other Eastern states are taking a vital part in the selection of higher type programs for these two powerful FM units.

# BROADCASTING STATIONS BY CALL LETTERS

For power and network affiliations, see the list of stations by frequencies.

The space under the call letters may be used for logging or checking.

CBA	1070	CHGS	1480	KKCW	1400	CMBS	1330	CMHP	1320	CMHO	1250
CBF	690	CHLN	1450	CKGB	1470	CMBX	1390	CMHQ	810	CMKW	1000
CBJ	1240	CHLP	1490	CKLN	1240	CMBY	1110	CMHT	990	CMKX	1090
CBK	540	CHLT	1240	CKLW	800	CMBZ	950	CMHX	1480	CMKY	1350
CBL	740	CHML	900	CKMC	1240	CMC	1360	CMJA	1060	CMKZ	1430
CBM	940	CHNC	610	CKMO	1410	CMCA	1490	CMJC	1340	CMOA	1360
CBO	910	CHNS	960	CKNB	950	CMCB	1390	CMJE	1230	CMOX	1490
CBR	1130	CHRC	800	CKTB	1550	CMCF	910	CMJF	1300	CMQ	690
CBV	980	CHSJ	1150	CKOC	1150	CMCG	1460	CMJH	1370	CMW	550
CBY	1010	CHWK	1340	CKOV	630	CMCH	1290	CMJI	1440	CMX	1010
CFAC	960	CJAT	610	CKPC	1380	CMCJ	1580	CMJK	620	CMZ	680
CFAR	1400	CJBR	900	CKPR	580	CMCK	980	CMJL	920	FQN	609
CFCF	600	CJCA	930	CKRN	1400	CMCM	1060	CMJM	1270	HHK	1080
CFCH	600	CJCB	1270	CKSO	790	CMCO	1230	CMJN	740	HHW	1230
CFCN	1010	CJCJ	1230	CKTB	1230	CMCQ	1420	CMJO	1470	HIN	1090
CFCO	630	CJCS	1240	CKUA	580	CMCR	1580	CMJQ	1580	HIX	950
CFCT	1480	CJGX	1460	CKVD	1230	CMCU	1190	CMJW	1400	HIZ	1350
CFCY	630	CJIC	1490	CKWX	980	CMCW	1230	CMK	740	H18Q	1470
CFGP	1340	CJKL	560	CKX	1150	CMCX	1290	CMKC	1250	HJAA	1330
CFJC	910	CJLS	1340	CKY	990	CMCY	590	CMKD	1290	HJAE	1240
CFLC	1450	CJOC	1400	CMAB	1450	CMGE	1470	CMKE	1320	HJAH	1080
CFNB	550	CJOR	600	CMAC	1370	CMGF	1240	CMKF	1490	HJAI	1370
CFOS	1400	CJRC	630	CMAN	1300	CMGH	1440	CMKG	1050	HJAK	1310
CFPL	1570	CJRM	980	CMAQ	1410	CMGN	1310	CMKH	1130	HJAM	1210
CFPR	1240	CKAC	730	CMAX	830	CMHA	1280	CMKM	560	HJAN	1190
CFQC	600	CKBI	900	CMBC	790	CMHB	1410	CMKN	930	HJAR	1400
CFRB	860	CKCA	1450	CMBD	1420	CMHD	1560	CMKO	1220	HJAT	1275
CFRC	1490	CKCH	1240	CMBF	1260	CMHI	570	CMKQ	1460	HJBC	1270
CFRN	1260	CKCK	620	CMBG	1330	CMHJ	1350	CMKR	1390	HJBE	1460
CHAB	1220	CKCL	580	CMBH	1540	CMHK	1380	CMKS	900	HBJB	1140
CHCK	1340	CKCO	1310	CMBL	860	CMHM	1450	CMKU	970	HJCB	1105
CHGB	1230	CKCV	1340	CMBQ	1150	CMHN	960	CMKV	600	HJCC	870

## BROADCASTING STATIONS BY CALL LETTERS

HJCE	1220	HJFX	600	KDAL	610	KFEQ	680	KFYO	1340	KGNF	1460
HJCG	1060	HJGK	1280	KDB	1490	KFFA	1490	KFYR	550	KGNO	1370
HJCI	810	HJHA	1350	KDFN	1470	KFGQ	1400	KGA	1510	KGO	810
HJCJ	1380	HOK	640	KDKA	1020	KFH	1330	KGB	1360	KGU	760
HJCK	1290	HRN	1450	KDLR	1240	KFI	640	KGBS	1240	KGVO	1290
HJCM	970	KABC	1450	KDNT	1450	KFIO	1230	KGBU	930	KGW	620
HJCO	1160	KABR	1420	KDON	1240	KFIZ	1450	KGBX	1260	KGY	1240
HJCR	1200	KADA	1230	KDRO	1490	KFJB	1230	KGCU	1270	KHAS	1230
HJCS	920	KALB	1240	KDTH	1370	KFJI	1240	KGCX	1480	KHBC	1230
HJCU	720	KALE	1330	KDYL	1320	KFJM	1440	KGDE	1230	KHBG	1240
HJ CZ	1040	KAND	1340	KECA	790	KFJZ	1270	KGDM	1130	KHJ	930
HJDC	1350	KANS	1240	KEEW	1490	KFKA	910	KGEK	1230	KHMO	1340
HJDK	1250	KARK	920	KELA	1470	KFKU	1250	KGER	1390	KHQ	590
HJDL	1480	KARM	1430	KELD	1400	KFMB	1450	KGEZ	1340	KHSL	1290
HJDM	1520	KASA	1240	KELO	1230	KFNF	920	KGFF	1450	KHUB	1340
HJDQ	1320	KAST	1230	KENO	1400	KFOR	1240	KGJF	1230	KICA	1240
HJDR	1380	KATE	1450	KERN	1410	KFOX	1280	KGFL	1400	KID	1350
HJDT	1150	KAWM	1490	KEUB	1450	KFPL	1340	KGFW	1340	KIDO	1380
HJDU	1490	KBIX	1490	KEVE	1460	KFPW	1400	KGFX	630	KIDW	1450
HJEB	1150	KBIZ	1240	KEVR	1090	KFPY	920	KGGF	690	KIEM	1480
HJEC	1300	KBKR	1490	KEX	1190	KFQD	790	KGGM	1260	KIEV	870
HJEE	1090	KBND	1340	KEYS	1490	KFRC	610	KGHF	1350	KILO	1440
HJEF	1360	KBPS	1450	KFAB	780	KFRO	1370	KGHI	1230	KINY	1460
HJEG	1450	KBST	1490	KFAC	1330	KFRU	1400	KGHL	790	KIRO	710
HJEI	1410	KBTM	1230	KFAM	1450	KFSD	600	KGIR	1370	KIT	1280
HJEK	1430	KBUR	1490	KFAR	610	KFSG	1150	KGIW	1450	KITE	1590
HJEL	1260	KBWD	1380	KFBB	1310	KFUN	1450	KGKB	1490	KIUL	1240
HJEM	1510	KCKN	1340	KFBC	1450	KFUO	850	KGKL	1400	KIUN	1400
HJFD	1390	KCMC	1450	KFBI	1070	KFVD	1020	KGKO	570	KIUP	1400
HJFE	1470	KCMO	1480	KFBK	1530	KFVS	1400	KGKY	1490	KJBS	1100
HJFF	1350	KCRC	1390	KFDA	1230	KFWB	980	KGLO	1300	KJR	1000
HJFI	1540	KCRJ	1340	KFDM	560	KFXD	1230	KGLU	1450	KLBM	1450
HJFL	1440	KDAL	1490	KFDY	790	KFXJ	1230	KGMB	590	KLCN	1320
				KFEL	950	KFXM	1240	KGNC	1440	KLO	1430

## BROADCASTING STATIONS BY CALL LETTERS

KLPM	1390	KOKO	1400	KRBM	1450	KSOO	1140	KVCV	1230	KWLM	1340
KLRA	1010	KOL	1300	KRE	1400	KSRO	1350	KVEC	1230	KWNO	1230
KLS	1310	KOMA	1520	KRGV	1290	KSTP	1500	KVFD	1400	KWOC	1340
KLUF	1400	KOME	1340	KRIC	1450	KSUB	1340	KVGB	1400	KWOS	1240
KLX	910	KOMO	950	KRIS	1360	KSUN	1230	KVI	570	KWRC	1240
KLZ	560	KONB	1490	KRJF	1340	KSWO	1150	KVIC	1340	KWSC	1250
KMA	960	KONO	1400	KRKD	1150	KTAR	620	KVNU	1230	KWTO	560
KMAC	1240	KOOS	1230	KRKO	1400	KTBC	1150	KVOA	1290	KWYO	1400
KMBC	980	KORE	1450	KRLC	1400	KTBI	1490	KVOD	630	KXA	770
KMED	1440	KORN	1400	KRLD	1080	KTBS	1480	KVOE	1490	KXL	1450
KMJ	580	KOTN	1490	KRLH	1230	KTEM	1400	KVOL	1340	KXO	1490
KMLB	1230	KOVC	1490	KRMC	1400	KTFI	1270	KVOO	1170	KXOK	630
KMMJ	750	KOVO	1240	KRMD	1340	KTHS	1090	KVOR	1300	KXOX	1240
KMO	1360	KOWH	660	KRMR	1490	KTKC	940	KVOS	1230	KXRO	1340
KMOX	1120	KOY	550	KRNT	1350	KTMS	1250	KVOX	1340	KXYZ	1470
KMPC	710	KPAB	1490	KRØC	1340	KTOH	1490	KVRS	1400	KYA	1260
KMTR	570	KPAC	1250	KRØD	600	KTOK	1400	KVSF	1340	KYAN	1400
KMYC	1450	KPDN	1340	KRØS	1340	KTPN	1430	KVSO	1240	KYCA	1490
KMYR	1340	KPFA	1240	KROW	960	KTRB	860	KVWC	1490	KYOS	1080
KNEL	1490	KPHO	1230	KRØY	1240	KTRH	1320	KWAL	1450	KYSM	1230
KNET	1450	KPLC	1490	KRRV	910	KTRI	1450	KWAT	1240	KYUM	1240
KNOW	1490	KPLT	1490	KRSØ	1150	KTSA	550	KWBW	1450	KYW	1060
KNX	1070	KPMC	1600	KSAC	580	KTSM	1380	KWEW	1490	TGQ	1450
KOA	850	KPO	680	KSAL	1150	KTSW	1400	KWFC	1340	TGW	1520
KOAC	550	KPOF	910	KSAM	1490	KTUC	1400	KWFT	620	TG1	1310
KOAM	810	KPOW	1230	KSAN	1450	KTUL	1430	KWG	1230	TIEP	830
KOB	1030	KPPC	1240	KSCJ	1360	KTW	1250	KWIL	1240	TIGH	690
KOBH	1400	KPQ	560	KSD	550	KUIN	1340	KWJB	1240	TIGPH	605
KOCA	1240	KPRC	950	KSEI	930	KUJ	1420	KWJJ	1080	TIGPH2	1225
KOCY	1340	KPRO	1440	KSFO	560	KUOA	1290	KWK	1380	TING	750
KODL	1230	KQV	1410	KSKY	660	KUSD	920	KWKH	1130	TIPG	625
KOH	630	KQW	740	KSL	1160	KUTA	570	KWKW	1430	TIRCC	1200
KOIL	1290	KRBA	1340	KSLM	1390	KVAK	1450	KWLC	1240	TIANRH	725
KOIN	970	KRBC	1450	KSO	1460	KVAN	910	KWLK	1400	VAS	685

## BROADCASTING STATIONS BY CALL LETTERS

VOGY	840	WAYX	1230	WBTA	1490	WCOA	1370	WEAF	660	WFIN	1330
VONF	640	WAYS	610	WBTH	1400	WCOC	910	WEAN	790	WFHR	1340
VOWR	700	WAZL	1450	WBTM	1400	WCOL	1230	WEAU	790	WFIG	1340
WAAB	1440	WBAA	920	WBYN	1430	WCOP	1150	WEBC	1320	WFIL	560
WAAF	950	WBAB	1490	WBZ	1030	WCOS	1400	WEBQ	1240	WFLA	940
WAAT	970	WBAL	770	WBZA	1030	WCOU	1240	WEBR	1340	WFMD	930
WABC	880	WBAL	1090	WCAD	1250	WCOV	1240	WEDC	1240	WFMJ	1450
WABI	1230	WBAP	820	WCAE	1250	WCPO	1230	WEED	1450	WFNC	1370
WABY	1400	WBAX	1240	WCAL	770	WCRS	1450	WEEI	590	WFOR	1400
WACO	1450	WBBB	920	WCAM	1310	WCRW	1240	WEEU	850	WFOY	1240
WADC	1350	WBBL	1240	WCAO	600	WCSC	1390	WEIM	1340	WFPG	1450
WAGA	590	WBBM	780	WCAP	1310	WCSH	970	WELI	960	WFTC	1230
WAGE	620	WBBR	1330	WCAR	1130	WDAE	1250	WELL	1400	WFTL	1400
WAGF	1400	WBBZ	1230	WCAT	1230	WDAF	610	WEMP	1340	WFTM	1240
WAGM	1450	WBCM	1440	WCAU	1210	WDAK	1340	WENR	890	WFVA	1290
WAIM	1230	WBEN	930	WCAX	1230	WDAN	1490	WENY	1230	WGAA	1430
WAIR	1340	WBHP	1230	WCAZ	1080	WDAS	1400	WEOA	1400	WGAC	1240
WAIT	1110	WBIG	1470	WCBA	1470	WDAY	970	WERC	1490	WGAL	1490
WAJR	1230	WBIR	1240	WCBI	1400	WDBC	1490	WEST	1400	WGAN	560
WAKR	1590	WBLJ	1230	WCBM	1400	WDBJ	960	WESX	1230	WGAR	1480
WALA	1410	WBLK	1400	WCBS	1450	WDBO	580	WEVD	1330	WGAU	1340
WALB	1590	WBML	1240	WCBT	1230	WDEF	1400	WEW	770	WGBB	1240
WAML	1340	WBNS	1460	WCCO	830	WDEL	1150	WEXL	1340	WGBF	1280
WAOV	1450	WBNX	1380	WCED	1230	WDEV	550	WFAA	820	WGBG	980
WAPI	1170	WBNY	1400	WCFL	1000	WDGY	1130	WFAM	1230	WGBI	910
WAPO	1150	WBOC	1490	WCHS	580	WDLP	1230	WFAS	1240	WGBR	1400
WARM	1400	WBOW	1230	WCHV	1450	WDMJ	1340	WFBC	1330	WGCM	1240
WASH	1300	WBRB	1240	WCKY	1530	WDNC	1490	WFBG	1340	WGES	1390
WATL	1400	WBRC	960	WCLE	610	WDOD	1310	WFBL	1390	WGGA	1240
WATN	1240	WBRE	1340	WCLO	1230	WDRC	1360	WFBM	1260	WGH	1340
WATR	1320	WBRK	1340	WCLS	1340	WDSM	1230	WFCI	1420	WGIL	1400
WATW	1400	WBRW	1340	WCMI	1340	WDSU	1280	WFBR	1300	WGKV	1490
WAVE	970	WBRY	1590	WCNC	1400	WDWS	1400	WFDK	910	WGL	1450
WAWZ	1380	WBT	1110	WCNW	1600	WDZ	1050	WFEA	1370	WGN	720

## BROADCASTING STATIONS BY CALL LETTERS

WGNC 1450	WHFC 1450	WILM 1450	WJLB 1400	WKRC 550	WMAW 1230
WGNY 1220	WHIO 1290	WINC 1400	WJLS 1240	WKRO 1490	WMAZ 940
WGOV 1450	WHIP 1520	WIND 560	WJMA 1340	WKST 1280	WMBD 1470
WGPC 1450	WHIS 1440	WING 1410	WJMC 1240	WKWK 1400	WMBG 1380
WGR 550	WHIZ 1240	WINN 1240	WJMS 1450	WKY 930	WMBH 1450
WGRB 1230	WHJB 620	WINS 1000	WJNO 1230	WKZO 590	WMBI 1110
WGRC 1400	WHK 1420	WINX 1340	WJOB 1230	WLAC 1510	WMBO 1340
WGRM 1240	WHKC 640	WIOD 610	WJPF 1340	WLAG 1240	WMBR 1400
WGST 920	WHKY 1400	WIP 610	WJPR 1340	WLAK 1340	WMBS 590
WGTC 1490	WHLB 1400	WIRE 1430	WJR 760	WLAN 1450	WMC 790
WGTM 1340	WHLD 1290	WIS 560	WJRD 1230	WLAP 1450	WMCA 570
WGY 810	WHLN 1450	WISE 1230	WJSV 1500	WLAV 1340	WMEX 1510
WHA 970	WHLS 1450	WISH 1310	WJTN 1240	WLAW 680	WMFD 1400
WHA1 1240	WHMA 1450	WISN 1150	WJW 1240	WLB 770	WMFF 1340
WHAL 980	WHN 1050	WISR 680	WJZ 770	WLBC 1340	WMFG 1240
WHAM 1180	WHO 1040	WITH 1230	WJZM 1400	WLBJ 1340	WMFJ 1450
WHAS 840	WHOM 1480	WIZE 1340	WKAQ 620	WLBL 930	WMFR 1230
WHAT 1340	WHOP 1230	WJAC 1400	WKAR 870	WLBZ 620	WMGA 1400
WHAZ 1330	WHP 1460	WJAG 1090	WKAT 1360	WLEU 1450	WMIN 1400
WHB 880	WHUB 1400	WJAR 920	WKBB 1490	WLLH 1400	WMIS 1490
WHBB 1490	WHYN 1400	WJAS 1320	WKBH 1410	WLNH 1340	WMJM 1490
WHBC 1230	WIAC 580	WJAX 930	WKBN 570	WLOF 1230	WMMN 920
WHBF 1270	WIBA 1310	WJBC 1230	WKBO 1230	WLOG 1230	WMOB 1230
WHBI 1280	WIBC 1070	WJBK 1490	WKBV 1490	WLOK 1240	WMOG 1490
WHBL 1330	WIBG 990	WJBO 1150	WKBW 1520	WLOL 1330	WMPC 1230
WHBQ 1400	WIBM 1450	WJBW 1230	WKBZ 1490	WLPM 1450	WMPS 1460
WHBU 1240	WIBU 1240	WJBY 1240	WKEU 1450	WLS 890	WMRC 1490
WHBY 1230	WIBW 580	WJDX 1300	WKIP 1450	WLVA 1230	WMRF 1490
WHCU 870	WIBX 1230	WJEJ 1240	WKMO 1400	WLW 700	WMRN 1490
WHDF 1400	WICA 970	WJHL 910	WKNE 1290	WMAL 630	WMRO 1280
WHDH 850	WICC 600	WJHO 1400	WKNY 1490	WMAM 570	WMSD 1450
WHDL 1450	WIGM 1490	WJHP 1320	WKOK 1240	WMAN 1400	WMSL 1400
WHEB 750	WIL 1230	WJIM 1240	WKPA 1150	WMAQ 670	WMT 600
WHEC 1460	WILL 580	WJJD 1160	WKPT 1400	WMAS 1450	WMUR 610

## BROADCASTING STATIONS BY CALL LETTERS

WMVA 1450	WVOV 1130	WROK 1440	WSPB 1450	WTRC 1340	XEBA 1270
WNAB 1450	WOW 590	WROL 620	WRPD 1370	WTRY 980	XEBC 1270
WNAC 1260	WOWO 1190	WRR 1310	WSPR 1270	WTSP 1380	XEBG 1550
WNAD 640	WPAB 1370	WRRN 1400	WSRR 1400	WTTM 920	XEBH 920
WNAX 570	WPAR 1450	WRUF 850	WSTP 1490	WWDC 1450	XEBI 1360
WNBC 1410	WPAT 930	WRVA 1140	WSTV 1340	WWJ 950	XEBJ 1450
WNBK 1290	WPAX 1240	WSAI 1360	WSUI 910	WWL 870	XEBK 1340
WNBH 1340	WPAY 1400	WSAJ 1340	WSUN 620	WWNC 570	XEBL 1260
WNBZ 1320	WPEN 950	WSAM 1230	WSYA 550	WWNY 1300	XEBM 1260
WNEL 1320	WPAD 1450	WSAN 1470	WSVS 1400	WWPG 1340	XEBO 1330
WNEW 1280	WPER 1340	WSAR 1480	WSYB 1390	WWRL 1600	XEBP 1260
WNLC 1490	WPIC 790	WSAU 1400	WSYR 570	WWSR 1420	XEBQ 1450
WNOE 1450	WPID 1240	WSAV 1340	WTAD 930	WWSW 1490	XEBS 1410
WNOX 990	WPRA 790	WSAY 1240	WTAG 580	WWVA 1170	XEBU 1260
WNYC 830	WPRO 630	WSAZ 930	WTAL 1340	WXYZ 1270	XEBW 1280
WOAI 1200	WPRP 1520	WSB 750	WTAM 1100	W9XC 1040	XEBX 610
WOC 1420	WPTF 680	WSBC 1240	WTAQ 1360	KEA 1370	XEBZ 660
WOCB 1240	WQAM 560	WSBT 960	WTAR 790	XEAA 1340	XEC 1310
WOI 640	WQAN 910	WSFA 1440	WTAW 1150	XEAB 1600	XECA 680
WOKO 1460	WQBC 1390	WSGN 1340	WTAX 1240	XEAC 690	XECD 1170
WOL 1260	WQXR 1560	WSIX 1240	WTBO 820	XEAD 1310	XECF 1330
WOLF 1490	WRAK 1400	WSJS 600	WTCM 1400	XEAG 1280	XECH 1490
WOLS 1230	WRAL 1240	WSKB 1230	WTCN 1280	XEAI 1320	XECL 990
WOMI 1490	WRAW 1340	WSLB 1400	WTEL 1340	XEAJ 1400	XECW 1340
WOMT 1240	WRBL 1230	WSLI 1450	WTHT 1230	XEAM 1400	XECZ 1430
WOOD 1300	WRC 980	WSLS 1490	WTIC 1080	XEAO 910	XED 680
WOPI 1490	WRDO 1400	WSM 650	WTJS 1390	XEAP 1290	KEDA 1290
WOR 710	WRDW 1480	WSMB 1350	WTMA 1250	XEAQ 1430	KEDE 1400
WORC 1310	WREC 600	WSNJ 1240	WTMC 1490	XEAT 1250	XEDF 1260
WORD 1400	WREN 1250	WSOC 1240	WTMJ 620	XEAU 1470	XEDH 1340
WORK 1350	WRGA 1490	WSON 860	WTMV 1490	XEAW 1570	XEDJ 1450
WORL 950	WRJN 1400	WSOO 1230	WTNJ 1310	XEAX 1270	XEDK 1250
WOSH 1490	WRLC 1450	WSOY 1340	WTOC 1290	XEAZ 1390	XEDN 1270
WOSU 820	WRNL 910	WSPA 950	WTOL 1230	XEB 1220	XEDP 730

XEDR	1490	XEHK	960	XEMC	1590	XEQ	940	XETU	1460	XEXX	860
XEDS	1420	XEHL	1370	XEME	1270	XEQK	1350	XEU	960	XEY	980
XEDW	1260	XEHR	1090	XEMG	1310	EQN	1010	YV5RA	960	XEZ	600
XEE	1280	XEI	1400	XEMH	1400	KERB	1090	YV5RB	790	YNOW	1230
XEF	1420	XEJ	970	XEMJ	920	XERC	790	YV5RG	1010	YNPH	660
XEFB	630	XEJA	1400	XEMO	860	KERH	1500	YV5RI	590	YVKA	630
KEFC	1340	XEJB	1010	XEMR	1370	XERJ	610	YV5RL	1160	YSS	640
XEFE	960	XEJK	1340	XEMU	580	XERK	1450	YV5RQ	882	YV1RA	1300
XEFI	1440	XEJP	1150	XEMX	1380	XERL	1280	YV5RZ	1050	YV1RC	1400
XEFK	1450	XEJR	1490	XEN	690	XERT	1270	YV6RA	1400	YV1RD	1153
XEFM	1270	XEJX	1450	XENK	620	XERY	1410	YV6RE	1080	YV1RF	1120
XEFO	1110	XEK	970	XENT	1140	XERZ	1030	ZNS	790	YV1RK	1250
XEFQ	980	XEKJ	1400	XEO	970	XES	1300	XEW	900	YV1RW	1370
KEFV	1270	XEKS	1330	XEOF	560	XESA	1360	XEWE	1400	YV2RB	980
XEFW	810	XEL	1260	XEOH	600	XESF	600	XEWG	1460	YV3RA	1270
XEFZ	1340	XELA	830	XEOK	1430	XESJ	1420	XEX	1280	YV3RE	1475
XEG	1050	XELC	1410	XEON	1140	XESM	1470	XEXE	1450	YV4RA	1350
XEGC	1450	XELF	1380	XEON	1420	XEST	1060	XEXF	1490	YV4RD	1153
XEGF	1300	XELH	1460	XEOT	960	XESY	1320	XEXJ	1280	YV4RE	1400
XEGL	1270	XELJ	790	XEOX	1280	XET	990	XEXM	1400	YV4RL	1430
XEGM	950	XELK	1280	XEOY	1000	XETB	1350	XEXP	1450	YV4RR	1490
XEGT	1490	XELW	1170	XEP	1300	XETF	1250	XEXQ	1400		
XEH	1250	XELZ	1440	XEPF	1400	XETM	1350	XEXS	1340		
XEHB	1310	XEM	1390	XEPH	590	XETA	1370	XEXT	980		
XEHF	1370	XEMA	1340	XEPP	1450	XETR	1490	XEXU	1490		

hobby. Then to proceed to outline how we, the organized DXers of the Associated Radio Clubs propose to eliminate dis-courtesies and unreasonable demands upon the stations by creating a uniform system of reporting and by meeting any proposition that the stations are willing to offer.

So until the next RADEX, this is yours truly, ANNE TENNA signing off and asking every DXer and DX Club interested in this vital problem to communicate with me in care of the RADEX Editorial Office.

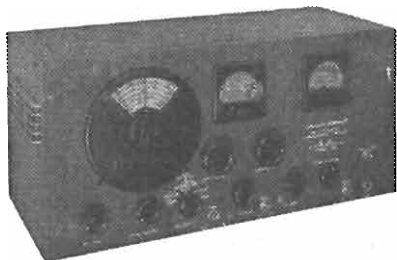
(Answers)

For Len Kruse: "The English speaking station heard on 650 kcs. was 1YA."—James O. Weaver, 2317 Pleasant Plain Ave., Eklhart, Ind.

Anyone who is interested may join the RADEX Club by sending his name and address to the RADEX Business Office, signifying his intentions to become a member.



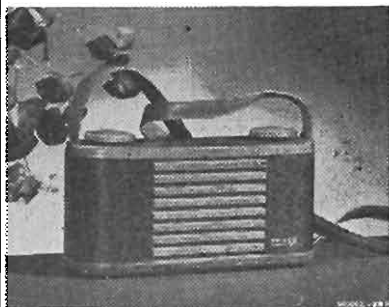
FOR THE ALL-WAVE  
CHAMPION  
**HALLICRAFTERS**



Through the courtesy of Mr. Royal Higgins and Mr. W. J. Halligan, The Hallicrafters, Inc., of Chicago, Ill., have donated a HALICRAFTERS SKY-RIDER DEFIANT RECEIVER, Model SX-24, to be given to the person who will be declared the All Wave Champion.

This all-wave receiver is truly one of the finest communications sets on the market today. Frequency Meter tuning is provided by means of two translucent illuminated dials, one for the main tuning control and the other for the electrical handsread system. A built-in noise limiter is provided. Variable selectivity in six positions from sharp crystal to broad I. F. A. carrier level meter is calibrated in "S" units and decibels. A double-balance bridge-type crystal filter, frequency stabilization and a full four-band tuning range from 540 kcs. to 43500 kcs. all contribute to its peak performance. Ample selectivity is provided by a T. R. F. stage and two high-gain I. F.'s.

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A portable radio that plays anywhere, that is ideal for hikes, picnics, at the beach, wherever you go, indoors or out. It is truly a tiny package of "dynamite" in performance with the power and fine tone of a radio many times its size. The aerial is contained in the shoulder strap. It is extremely light in weight, and its smart, plastic case recently won one of the top awards in the Modern Plastics Contest in New York City.

This is the same set that has been donated by Philco for the Broadcast Band Champion.

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24,000 ohms. ....	<b>\$8.50</b>
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We offer a phone adapter which will permit the use of headphones with your radio. It can be used with any radio set, regardless of make, and is fully guaranteed. Very easily installed.

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Adapter with Trimm Featherweight Headphones—  
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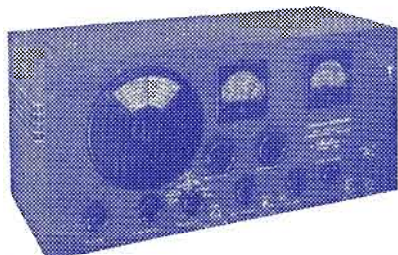
Adapter with Trimm Dependable Headphones—  
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Adapter with Acme DeLuxe Headphones—  
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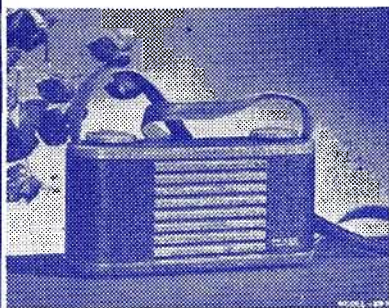
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