

# RADIO IN DEX

The All-Wave Radio Log Authority

NSE

No. 137

MAY - JUNE, 1940

## Contents

Ham Hounding, <i>by Owen Callin</i> .....	1
Amateur Calls Heard .....	6
New Zealand Reports of Reception .....	8
Turner Dial Discusses Servicing, <i>by B. Francis Dashiell</i> ..	9
Shortwave Broadcasting in Manchoukuo .....	12
The Radio Stations of Venezuela .....	13
The Radio Stations of Peru .....	14
The Stations of the Colombian Republic .....	15
The Shortwave Listeners' Trading Post .....	17
Radexing with the Radexers, <i>by Ray LaRocque</i> .....	18
High Frequency Globe Trotting, <i>by Ray LaRocque</i> ...	25
The Monthly Frequency Checks .....	36
The DXers' Appointment Calendar .....	43
The Shortwave Broadcasting Stations .....	44
The World's Radio Stations, <i>from 8600 to 15200 kcs.</i> ..	54
Applications to the FCC .....	62
The Month's Changes in Station Data .....	63
The North American Broadcasting Stations .....	64
Stations Arranged by Locations .....	83
Same Stations Arranged by Call Letters .....	89

*The Names of Verification  
Signers are given  
In the List of North  
American Broadcasting  
Stations*

25¢

# A GLOBE FOR \$4.00!

A BIG GLOBE  
AT  
A LITTLE PRICE!

This is a full 12 inch globe, beautifully made, and as up-to-date as the Worlds Fair! The new streamlined semi-meridian is made of hammered-metal, and the base is a Duncan Phyfe of walnut finished wood.

Orders are filled on the day of receipt, and we pay the shipping charges.

**RADEX**  
Emerson, New Jersey



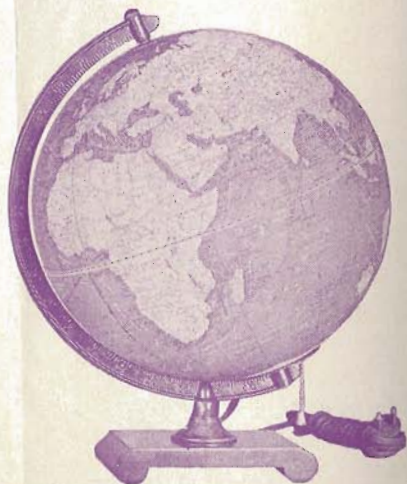
## ILLUMINATED WORLD GLOBE

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

**\$5.00**

**RADEX**  
Emerson, New Jersey





If you are interested send in a card or letter right away telling us so, and if enough want the contest we'll go into a huddle and decide more details and announce them in the next issue.

The ARRL DX contest brought a lot of those hibernating South American amateurs out into the open, declares John Brimmer, R1366. He tuned in over a dozen different new ones in a half hour on 20-meter fone.

John and several others have also suggested that to have time for those who wish to write directly to me my address should be printed in a box at the head of the column. This has been done, and those who want to write me direct may do so. However, those with lists of calls heard should send them to Radex Publ. Co., Emerson, N. J., as usual.

We welcome to our ranks James Kavanaugh, R2000, of Ft. Wayne, Ind. James is listening post observer of Indiana and also is DX editor of the Penn Radio Club. His first report logs such catches as XU1A and XU-1B.

That fast-growing and compact body of amateurs in Cuba, the Radio Club de Cuba, has just recently re-organized with election of officers. The club puts out a monthly magazine dealing not only with amateur radio in Cuba but also with DX notes valuable to the SWL. Throughout the magazine one may see notes by familiar names in the radio DX field.

New members of the board of the club are: Pablo Valdes, president; Justo Mahia Rivas, vice-president; Eduardo Oliva Radelat, secretary; Aquiles Ortiz, vice-secretary; treasurer, Julio Rodriguez; Miguel Aguilera, vice-treasurer. Directors: Enrique Anca, Rafael Bordenave, James D. Bourne, Arturo Miles, Jose Luis Garcia, Gerardo G. Erviti, Alfredo Duarte, Guillermo Madrid, Oscar Jaime,

Jr., Tte Ramon Alberto Florez, Enrique Armand, Agustin Veiga, Mateo la Torre, Sixto E. Garcia, Adolfo Leonard, and Francisco Miguel.

We have some interesting personalities for our parade of hams this month. All four are in Europe and all have been shut down. Incidentally, those ops shut down by the war unless occupied with military duties, are as ardent SWL's now as we are. Unable to transmit, they must sit and listen, since they are unable to forego entirely the hobby that has kept them in their leisure hours.

PAoCS lives in the village of Mendum, Netherlands. His past is unique, since he is the only ham we know who is a bicycle racer and trick rider. From 1933 to 1938 he participated in races and exhibitions throughout Europe, winning many medals and first prizes for his skill with a two-wheeled vehicle.

For a year he worked in the Philips radio factory but the lack of sunshine was undermining his health, so he took a position as teacher in the public work department of the Netherlands, his present occupation.

His experience with antennas is a saga. His first was a small one with which he worked his locality. The next was 120 meters long attached to the highest tower of his village, 45 meters high. But he was unable to work DX with this one, so he erected a 10-meter vertical Zepp, and with this has contacted over 50 countries all over the world.

His receiver is a Hallicrafter Sky Buddy.

F8UE is one of the better known amateurs in France, since he has been on the air 1929 and has made since then some 13,000 QSO's. His name is Doctor G. Le Rasle, and he practices medicine at Ingre, France.

Until about two years ago he was not very interested in DX, but studied diagrams and the tubes of his radio in connection with disease and the results of short wave action on the body.

chor the receiver to the bench and disconnect the R meter."

OK, fellows, we're waiting.

CT1QA—This station is a favorite, too, being heard regularly in the states on a low power of 32 watts when the band is right. The operator is Jayme Varela Santos, of Estremoz, Portugal.

He is a lieutenant in the 3rd Horse Regiment of the Portuguese army, and is 30 years old. He says that he "loves passionately the ham radio."

He has two antennas, a single wire Hertz and a one-section 8JK rotary which he says does very well. The receiver is a "poor" super-het with home-made pre-selector. His DX includes VK, most of South America, North America, and all of Europe.

All amateur affairs have been stopped in Portugal by the government, says Jayme. Let's hope, he, too, will be back on the air again soon, and not waving a sword from the saddle of a horse, as he charges into battle!

That concludes the personality parade, but hang on and we'll delve into the reports to see if we can dig up some dope about stations still on the air.

ALASKA—A new K7 is reported by Cliff Tavener and Joe Jones (R11-78), K7BUB. He is heard very well between 8:30 and 9:30 p.m. on 20-meter fone. Ralph Kastner received a swell card from K7GZH. QRA is Alan A. Duff, Naval Radio Station, Dutch Harbor. K7AOC is R. W. McCrary, Box 111, Juneau.

ALGERIA—We have no information as to whether the FA stations have been chased by war, but try listening for FA3HC on 20-meter phone. He is Rene Pliieber, 43 rue Fontaine Bleue, Alger.

ARGENTINA — LU1JE says that his correct mailing address is Mitre 8 instead of Laprida 4 as in the callbook, according to John Brimmer.

BURMA — XZ2EZ is the 20-meter phone station heard occasionally in

the U. S. He is Khin Maung Bo, 82 Inya Rd., University P. O., Rangoon.

CANTON ISLAND — KF6JEG is the new one reported by two Radexers, Cliff Tavener and George Boscawen (R1576). He is heard every night on about 14200 kcs. at 9:30 p.m., and seems to have a regular schedule with W6AED.

CHILE—CE3CG sends a beautiful card in black and white ink effect, showing an SWL in the guise of a robber holding up the "ham" and demanding a card !!! Since he also is an ardent stamp collector he will send his QSL upon receipt of used United States stamps of unusual denominations.

CHINA—No new reports have been received of the XU's, but XU8RB still seems to be heard occasionally.

COLOMBIA—Can anyone help Bill Wells? Who is the HK8—on 40-meter phone? Bill also lists HK1PAA, Barranquilla, on 20-meter phone using only 25 watts.

DOMINICAN REPUBLIC — HI1-AA on an airplane 30 minutes out of Port-au-Prince was heard by Walter Welch, Lynn, Mass., with HI3N at the mike on 6210 kcs. HI3N was in contact with his home station on 75 meters and also with WICND on the same band. All three stations were heard.

ECUADOR—HC1JB listed on 10 meters (28370 kcs) by Bill Jones, Dallas. On 40 meters HC1PC was having a cross-band QSO with a W8 on 75 meters. HC1FG logged relaying a sports event Feb. 17 just below 40 meters.

GREECE—Tom Ryan, Jr., says that SVIKE QSL's, but that he will only answer 100 percent correct reports. The card has a faint picture of the Parthenon printed upon it.

GREENLAND — We wonder if OX7ZL is still on 20-meter phone. Very occasionally he has been heard but no late reports have we had. He is Stilling Berg, Angmagssalik, East Greenland.

Woollacott (R1566) has a nice collection among which is ZE1JZ on 10 meters. . . . David Thompson (R1459) logged W4FZW and W1FZW within less than minute, both QSA 5 R 9. He has about 80 SL's from hams and 100 from broadcast stations. He's also working for his ham ticket.

FO8AA verified by card Carl Horton (R1305) in 38<sup>1</sup> days! Carl also got his veri from OQ5AB. . . . Richard Loetz wants to know what has happened to the HK's and YN's. What's the matter, Dick, aren't they coming in lately. . . . To Joe Jones: Callbook is published in March, June, September, and December, \$1.25 an issue. If you desire one, write to Page Taylor, Radex Publi. Co., Emerson, N. J. . . . About 70 percent of foreign hams contacted with IRC enclosed have QSLed for Merton Meade. Returns from U. S. hams have been 40 percent. Merton's brother was the op of W9QKS, and when on the air only 50 percent of the stations contacted QSLed. W9QKS was known as "La Voz de los Meade Muchachos" (The Voice of the Meade Brothers) and although now silent since Bob is op at K6PIT, Merton is going to take the exam one of these days and open up the station again.

NX2L was an unlicensed station in the U. S., according to Merton, who overheard a CO talking to him. The CO was bootlegging a call himself, an OK call. . . . For a laugh and good time tune in on CO2JJ's frequency. . . . ON4A heard by John Brimmer on 20-meter CW may be a Belgian operating despite bans. Has anyone else heard him? . . . Who is the CW station N2GG heard by Bill Wells on 3910 kcs?

Well, fans, that winds up the dope for this time. Don't forget to let me know your opinions on the contests and we'll try and get it started by July 1, to give summer listening a tang otherwise not felt in the monotony of static and poor conditions.

## Amateur Calls Heard

The names and addresses of persons reporting the stations are indicated by small letters following the call signs. Key to the small letters is given at the end of the column.

### 10 Meters

CO2WM (m); HA1K (m); HC1JB (ahm); HK3CK (a); K4DDH (m); K4EZR (h; K4FOW (m); K4FRN (m); K6BNR (h); K61CS (a); K6LJJ (a); K6MGD (a); K6MVV (hm); K6MXM (h); K6OQM (h); K6PAS (h); K6PCF (h); K6PCM (h); K6PHD (a); K6P1R (ah); K6PTW (h) K6PUL (a); K6QLZ (a); K6RCB (a); K6RES (a); K6ROJ (ah); K6RVI (a); K6SGJ (h); K6SHG (h); K7ATD (h); LX2OK (m); LX2UU (m); NY4AD (ahm); PY2AC (m); TG-9AA (ah).

### 20 Meters

CE1AB (g); CE1AC (bn); CE1AD (bn); CE1AO (en); CE1AR (bgh); CE1AS (abh); CE1OX (g); CE1S (g); CE2AM (an); CE2BX (em); CE3AA (f); CE3AG (am); CE3BE (achn); CE3BK (bm); CE3CG (ahi); CE3CZ (bikmn); CE3DE (i); CE3DW (hn); CE3EU (b); CE3EW (a); CE4AC (m); CO2AL (e); CO2AM (gm); CO2BA (bgm); CO2BR (h); CO2DB (g); CO2DR (gm); CO2GA (h); CO2GG (m); CO2GL (bhim); CO2GY (beghim); CO2JH (em); CO2JJ (km); CO2JM (g); CO2JV (m); CO2LY (em); CO2MA (bim); CO2MG 2LA (m); CO2LG (m); CO2LL (h); (ehim); CO2RA (k); CO2RC (k); CO2RH (bgm); CO2RL (g); CO2RR (m); CO2RZ (em); CO2SV (hm); CO2XK (m); CO2WL (e); CO2WM (em); CO2WN (k); CO2WS (e); CO2WW (e); CO2YW (im); CO4AA (b); Co4XX (g); CO6OM (im); CO7AB (h); CO7AS (g); CO7CX (hikm); CO7VP (hikm); CO8K (bbm); CO8MP (h); CX-2BK (mn); C<sup>x</sup>2CO (aemn).

EA7BA (cikn); EA7BB (k); EK1AF (bimn); ES5D (i); HA9Q (i); HC1FG (i); HC1JB (fm); HC2CC (gij); HC-2CG (h); HC2HP (ikh); HC2PC (e); HH2B (abghijkm); HH2B (bhmn); HH-2PB (n); HH5K (a); HH5PA (aikm); HI3N (abehikm); HI5X (hikm); HI6Q (akm); HI7G (afkm); HI7I (m); HK-

## NEW ZEALAND REPORTS

The following reports are from Alan Breen of Dunedin, New Zealand. While this reception was accomplished in Dunedin, a large number of the stations mentioned can be received in the United States. All time is Eastern Standard.

WWV on its standard frequency transmissions, are heard throughout the evening, from 3 until 8 p.m. EST, with the 440-cycle note and announcement at each ten minute interval.

VLW in Perth came on the end at November, and has been heard on several frequencies, including VLW on 6130, VLW2 on 9650 and VLW3 on 11830 kcs.

VLQ on 9615 and VLQ2 on 11870 kcs are heard with terrific strength and should reach North America with R9 signals.

I2AA at Addis Ababa is being heard from 10 a.m. EST. Their programs include Bing Crosby, Connie Boswell, Judy Garland and the Mills Brothers so it should not be difficult to get material for verifications.

The best reception of "Radio Boy-Landry" at Saigon on 9675 kcs is at 8:15 a.m. EST.

Madagascar apparently did not stay on 5800 kcs for very long as it was heard on its old frequency of 6065 at 11 a.m, closing down with the "Marseillaise." At other times it has been heard signing off at 10:30 a.m.

VLR3 in Melbourne closes at 2:15 a.m. and re-opens at 2:30 a.m. on 9580 kcs.

A Canton station believed to be XGOK is heard daily from before 5 a.m. until after 8:15 a.m. EST. A lady announcer is usually heard, and news is broadcast in English. The frequency is 11650 kcs.

The Formosa transmitter at Taihoku is at present operating on 9695 kcs as JIE2, replacing JIE.

A new transmitter at Rangoon, Burma, is now being heard until 10 a.m. on 6050 kcs with excellent signals and with the same program as XYZ on 6007 kcs.

XTY at Chungking is heard irregularly on 14130 kcs.

HS8PJ has not been heard for some weeks and its place seems to have been taken by HSP3 on 7966kcs. Transmissions begin irregularly after 7 a.m. with English news frequently at 8:15, followed by dance music.

The 60 meter band is very good now and the following should reach the east coast of the USA: 4840 kcs VUC2; 4865 kcs YDG5; 4880 kcs VUB2; 4900 kcs YDA. VUC2 is Calcutta India; YDG5 is Batavia, Java, heard at 6 a.m; VUB2 is Bombay, India. YDA is at Batavia, generally on the air after 4:30 a.m. EST.

VUM2 Madras, India is heard on 4920 kcs. YDF, Sourabaya, Java, 4930 kcs, generally heard with programs of native music, YDX at Medan, Sumatra on 4965 kcs.

FK8AA at Noumea, French Guinea, has shifted its frequency to 6135 kcs.

---

Sample copies of "QSA5", the 16 page printed bulletin of the DXers International Exchange Club, may be secured for five cents postage from the secretary, Merton M. Hiatt, Box 7, Dryden, Wash. Broadcast, short-wave, amateur and ultra-high columns are edited by well-known DXers, with equal emphasis on east and west coast reception. A hobby corner is also included for those wishing to swap cards, stamps, letters, etc.

# Turner Dial Discusses Servicing

B. Francis Dashiell

It was a fine spring afternoon and Turner Dial stood at the entrance to Higrade Radio watching the few citizens who were abroad stroll leisurely from shop to shop. Then, as was to be expected, Dial glanced down the street toward the gaudy store front of his rival. Red signs covered the door and window and proclaimed loudly to all that tremendous price reductions were in progress; credit was unlimited; old radios were about worth their weight in gold; and here could be obtained the very best servicing in town for almost nothing.

An amused smile covered Turner's features. But he failed to display any animosity toward this newcomer. Dial was about to turn away when he noticed a man hurry from the store. Certainly, he thought, there was one person who was not afflicted with spring anemia! But the man's hustle did not prevent Turner from observing that he was lugging a radio under his arm. When the man turned and stepped rapidly in the direction of Higrade, Dial thought it more ethical to reenter the store and not subject a competitor's customer to his critical gaze.

But no sooner had Turner entered the building when the man burst in. Placing his table-model radio on the sales counter, the man seemed suddenly to explode. "Say!" he exclaimed in an excited voice, "I like your store. The windows are not smeared with cheap advertising. If you run an honest place can I have this radio fixed without it being necessary to buy an interest in the business?"

Turner Dial smiled tolerantly. This was not the first time he had heard such an outburst during the past few weeks. "I've lived with radio a long time," was his deliberate reply. "And we've repaired a lot of sets so they stayed fixed. Maybe we can help you. What's the trouble?"



"That outfit down the street advertised a free examination. But they must think I'm a sucker!" shouted the man so loudly that Bill Wood, Higrade's youngest assistant, peered around the repair shop door to see what was happening. "How can I tell what is a fair charge for radio servicing? I guess these 'free' examinations are not so free, 'cause you can make the charge high enough to cover the cost of the examination." And the man glared defiantly at Turner Dial with the air of one who had propounded a smart query that couldn't be fairly answered.

"Oh, no," Turner replied. "Our examinations are free all right. You do not have to have the work done, just as you decided in the case of your place down the street. Most of us give 'free examinations.' All business men are called upon to make estimates or tell what their merchandise sells for. Nothing new to that. Who ever heard of a contractor making a charge for offering a bid on a job?"

"But those grafters down the street wanted to make an outrageous charge," fumed the indignant customer. "One third of the first cost of the set!"

"That could be possible if the dam-



ages are serious," said Turner as he picked up the set and moved toward the service room. The man followed at Dial's request.

"Now, let's make a 'free estimate'. I hate to guarantee prices—exactly." Turner was removing the chassis from the cabinet. "Ordinarily," he added, "my free estimate doesn't include this preliminary, but we have some spare time today. When I make an estimate in a home it's just a part of my pick-up service and not always just a special trip for estimating. Most radios must come to the shop for repairing anyway. However, a good many sets can be attended to at home, for often the troubles are due to tubes, antennas, noisy wires in the home, or some minor defects."

"They were bragging down the street about having all the latest instruments. They give the best scientific servicing in town—so they advertise," the customer remarked sarcastically.

Dial's face reddened. "Sure, modern servicing instruments are fine," he snapped. "But you won't see so many around here. We have all that we need. The newer systems and equipment help those who still have a lot to learn, and enable newcomers to get established quickly as reliable servicemen. But most radio troubles can be diagnosed by common sense and experience. A man can often do this in the time that he is hooking up or lugging around a lot of expensive and elaborate apparatus. For my part, if I were to go to a customer's home with a big array of laboratory instruments, I would feel that he might get apprehensive and decide against making any repairs at that time. But when I take a little tube tester, some pocket tools, a few of the standard tubes, and sit down on the floor to look into the radio, that customer seldom expects to be robbed."

Turner twisted a few knobs, looked at the test meters, and then plugged the plug. "Tubes are o. k." he remarked. "A by-pass condenser seems

to be shot, and perhaps a resistor or two at the same time. Also, this set is terribly dirty, and needs cleaning and an alignment to make it tune properly. We'll do the job for about three dollars."

"Why, those gypers down the street said the power transformer was bad and that a filter condenser had a short circuit!" yelled the excited customer.

"They're all wet!" exclaimed Turner with disgust. "The transformer is good, and the condenser couldn't filter if it was leaking and shorted or grounded. Anyway, if there is anything else, I'll let you know before we run up any extras."

The man moved toward the door. "Fix it up," he insisted.

Bill Wood was an interested listener. "Say, Turner" he declared. "Maybe those birds down the street really are going in for new scientific trouble shooting, signal tracing, and so on."

"Not a chance," answered Turner emphatically. "They wouldn't know any more about it than a hog does about a holiday. It's a fine system, and just about fool proof. But, in effect, we've used it for years. On the other hand you can use a lot of time. That adds to the overhead cost and the charges eventually made for the work you do. If I do say it myself, the kind of tools and system you use as well as the charges you make, depend largely upon the person doing the work."

"How about replacements?" inquired Wood, as he took the opportunity of Turner's communicativeness to talk and do a bit of personal stalling. And how he could do that to perfection when occasion arose!

Dial reached for his pipe. Then he snipped the leads to the charred resistor and series condenser which caused all the discussion. "You've got to make some profit on parts, but there need be no robbery. If the manufacturer has a list price then the cost to the customer should never be a cent higher, and sometimes can be



lower. Remember, customers sometimes have ways of checking from catalogues or actual price lists. Anyone can get 'em if they desire. Labor charges must be based on what it costs to operate, even when one man stands around loafing, like you right now!" But Bill didn't let that remark worry him, and Dial continued: "Servicemen must watch their business methods and operations. When operating costs get too high, charges must go up. If you can't repair a set in a minimum of time so it stays fixed, then you better quit. That's going to be the trouble with our friends down the street."

"What about the public?" continued Wood's quizzing. "Everyone who comes in here seems to believe what we tell 'em. They don't kick about charges. But, boy, oh boy, how they razz those pirates down the street!"

Turner Dial soldered a few wires and dropped into his old squeaky chair. "I think," he began, "that the public is beginning to rely more and more on the modern radio serviceman. And the public use their heads too. They look around a bit. Just like the man that came in here a while ago. People, too, are beginning to look for radio technical men with high business and training standards. Some of 'em are graduates of a reliable radio school, like that National Radio Institute. These men are serious about their work—its a lifelong job with them. Then many of them are members of the Radio Service of America. Then there are dealer-authorized representatives who have factory training and have excellent understanding of the sets that are turned out by their own manufacturer. And then there are just the humble gents, like myself, who have grown up with radio and can diagnose symptoms with their eyes shut. You know, Bill, it really could be that the cut-throats down the street might not be so blood thirsty after all. For I honestly believe that some of the free estimates and bills handed set owners are not

due to desires to boost prices by taking advantage of a customer who might still look upon radio as a mystery that only some great specialist can understand."

That was a long speech for the usually taciturn Turner Dial. Bill Wood grinned. "I see," he commented. "They raise the price high enough by their 'free examination' to cover any additional troubles that lack of experience causes them to overlook. Its just because they are afraid to trust themselves."

"Exactly," agreed Turner. "Some servicemen are afraid to guess too closely, because they are not sure they know all about the trouble in the set. But the great majority of shops are reliable and honest. Those men have skill and ability, but they can make human mistakes. When that happens they must take the loss instead of soaking the customer a lot of extras."

Bill Wood thought he had at last struck upon a novel idea. "If the disabled set is too much of a problem to the serviceman why can't he ship it back to the factory or the distributor and let them worry about it. After all, its their product."

Turner blew a smoke ring. "Son," he confided, "you don't know how right you are, and how often that's their solution. But, at that, the customer gets the best repair work in spite of the delay, and the dealer has to charge some of it up to experience."

"Or the lack of it," added Bill, as he turned back to his work bench.

## Radio Amateur Call Book

LATEST EDITION

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

We pay the postage.



RADEX  
Emerson, N. J.

\$1.25

## SHORT WAVE BROADCASTING IN MANCHOUKUO

At present Short Wave Broadcasts for international purposes from Manchoukuo are carried on by the Central Broadcasting Station in Hsinking, MTCY, which is under the direct control of the Manchuria Telephone and Telegraph Company. The Company incidentally operates 15 radio broadcasting stations throughout Manchoukuo.

With the purpose of introducing the young Empire of Manchoukuo to the rest of the world and also of providing interesting entertainment to listeners abroad, what is today called "The Short Wave System" was established with the Hsinking Central Broadcasting Station, on July 20, 1939. Previous to that date, as some of our friends in America know, programs were transmitted from JDY or JQAK, stations operated by the Manchuria Telephone and Telegraph Company. But these programs were not regular and it was not long before the demand for a daily, regular broadcast from Manchoukuo became apparent.

Thus, ever since the 20th of July, 1939, daily programs of news and entertainment were transmitted by short wave in four different directions and at times most suitable to listeners in other countries. Details concerning these transmissions are as follows:

Transmission I—To Europe

MTCY, 20 KW., 11,775 kilocycles or 25.48 meters. 4 to 4:50 p.m. EST.

Transmission II—To The Pacific Coast of North America and The Hawaiian Islands.

MTCY, 20 KW., 11,775 kilocycles or 25.48 meters. 1:30 to 2:20 a.m. EST.

Transmission III—To China, The Philippines, Strait Settlements, Australia, New Zealand, and the South Seas.

MTCY, 20 KW., 11,775 kilocycles or 25.48 meters. 9:50 to 10:55 a.m. EST.

Transmission IV—To Mongolia and Soviet Russia.

MTCY, 20 KW., 6,125 kilocycles or 48.98 meters. 8:30 to 9:30 a.m. EST.

Sequence and news announcements in Transmission I and II are in English only. Three languages, Manchu, Japanese and English are used in Transmission III while Mongolian and Russian are the two languages used in Transmission IV.

We present here a time schedule of our news broadcasts within the four transmissions:

Transmission I—English news 4:05 to 4:15 p.m. EST.

Transmission II—English news 2 to 2:10 a.m. EST.

Transmission III—Japanese news 9:57 to 10:07 a.m. Manchou news 10:10 to 10:20 a.m. English news 10:35 to 10:45 a.m.

Transmission IV—Russian news 8:45 to 8:55 a.m. Mongolian news 9:20 to 9:25 a.m.

As is common with Short Wave Stations, our wave-lengths and times are subject to change when atmospheric and other conditions make such changes necessary. However, these changes will be announced in our regular broadcasts sufficiently ahead of time.

Our purpose lies in the introduction of Manchoukuo to the world, the creation of good-will among Occidental and Oriental peoples and the provision of good wholesome entertainment to listeners abroad. We therefore, welcome criticisms and suggestions concerning our transmissions. If there are any improvements our listeners can think of with regard to our transmission facilities or our program material, we sincerely hope that these will be made known to us.

**MTCY**  
**Manchuria Telephone & Telegraph Co.,**  
**Ltd.,**  
**601 Daido-Traigai,**  
**Hsinking, Manchukuo**

## UNITED STATES OF VENEZUELA OFFICIAL LIST

### Short Wave

Call	Slogan	Freq.	Location
YV1RJ	Radio Falcon	4975kc	Coro
YV1RL	Radio Popular	4860kc	Maracaibo
YV1RO	Radio Trujillo	4780kc	Trujillo
YV1RT	La Voz de la Fe	4770kc	Maracaibo
YV1RU	Radiodifusora Maracaibo	4810kc	Maracaibo
YV1RV	Ecos del Zulia	4800kc	Maracaibo
YV1RX	Ondas del Lago	4890kc	Maracaibo
YV1RY	Radio Coro	4910kc	Coro
YV1RZ	Radio Valera	4850kc	Trujillo
YV2RN	La Voz del Tachira	4870kc	San Cristobal
YV3RN	Radio Barquisimeto	4820kc	Barquisimeto
YV3RX	La Voz de Lara	4990kc	Barquisimeto
YV4RO	La Voz de Carabobo	4950kc	Valencia
YV4RP	Radio Valencia	4930kc	Valencia
YV4RQ	Radio Puerto Cabello	5020kc	Puerto Cabello
YV4RX	Radio Marconi	4840kc	Maracay
YV5RH	Ondas Populares	4920kc	Caracas
YV5RK		5000kc	Caracas
YV5RM	Radiodifusora Venezuela	5010kc	Caracas
YV5RN	Radio Caracas	5040kc	Caracas
YV5RO	La Voz de Venezuela	4940kc	Caracas
YV5RS	Radio Libertador	4960kc	Caracas
YV5RT		4980kc	Caracas
YV5RU	Estudios Universo	4830kc	Caracas
YV5RY	Radio Continente	4750kc	Caracas
YV6RT	Radio Bolivar	4900kc	Ciudad Bolivar
YV6RU	Ecos del Orinoco	4880kc	Ciudad Bolivar
YV3RF	La Voz del Llano	3480kc	Acarigua
YV5RV	Emisora Vargas	3500kc	La Guaira
YV5RW	Radio Tropical	3400kc	Caracas
YV5RJ	La Voz de la Patria	3430kc	Caracas
YV6RC	(C.P. ONLY)	3450kc	Barcelona

### Long Wave

YV1RA	Ecos del Zulia	1500kc	Maracaibo	250w
YV1RC	La Voz de la Fe	1400kc	Maracaibo	600w
YV1RD	Radiodifusora Maracaibo	1153kc	Maracaibo	250w
YV1RF	Ondas del Lago	1120kc	Maracaibo	300w
YV1RK	Radio Popular	1250kc	Maracaibo	250w
YV2RB	La Voz del Tachira	980kc	San Cristobal	500w
YV3RC	La Voz de Lara	1270kc	Barquisimeto	250w
YV3RE	Radio Barquisimeto	1475kc	Barquisimeto	300w
YV4RA	La Voz de Carabobo	1350kc	Valencia	500w
YV4RE	Radio Valencia	1400kc	Valencia	200w

This list of Venezuelan stations, and the lists of stations in Peru, La Paz, and Colombia, were submitted by William Cunningham of Hollywood, California.

Call	Slogan or Owner	Freq.	Location	
YV4RG	Radio Marconi	1153kc	Maracay	200w
YV4RI		1450kc	Valencia	600w
YV4RL		1430kc	Maracay	800w
YV5RA	Radio Caracas	960kc	Caracas	5KW
YV5RB	Radiodifusora Venezuela	1200kc	Caracas	2KW
YV5RE	La Voz de Venezuela	1110kc	Caracas	200w
YV5RG	Ondas Populares	1010kc	Caracas	1KW
YV5RI	Radio Continente	590kc	Caracas	1KW
YV5RL	Radio Tropical	1160kc	El Valle	500w
YV5RQ	Radio Liberator	882kc	Caracas	1KW
YV5RR	Estudios Universo	1010Kc	Caracas	1KW
YV5RZ	Emisora Vargas	1050kc	La Guaira	500w
YV6RA	Ecos del Orinoco	1400kc	Ciudad Bolivar	250w
YV6RD	Radio Bolivar	1450kc	Ciudad Bolivar	250w
YV6RE	Ondas del Neveri	1080kc	Barcelona	500w
YV4RR	Radio Puerto Cabello	1490kc	Puerto Cabello	500w
YV5RX	La Voz de la Patria	720kc	Caracas	1KW
YV1RW	Radio Coro	1370kc	Coro	300w

## UNITED STATES OF PERU

### Short Wave

OAX1A	J. Carlos Mountjoy D.	6150kc	Chiclayo	200w
OAX2A	Rafael Larco Hoyle	6000kc	Trujillo	250w
OAX4Z	Radio Nacional	6082kc	Lima	15KW
OAX4T	Radio Nacional	9562kc	Lima	10KW
OAX4G	Empresa Peruana Par- lante Bolivar y Carcovich	6230kc	Lima	250w
OAX4I	Radio Internacional	9520kc	Lima	200w
OAX4P	J. Alberto Madueno	5968kc	Huancayo	250w
OAX5C	J. Antonio Umberto F.	9590kc	Ica	150w
OAX6B	Maxime J. Landa	11710kc	Arequipa	150w
OAX7A	Carlos Lizarraga Fisher	6128kc	Cuzco	100w

### Long Wave

OAX4A	U.S.P. (See Radio Nacional)	854kc	Lima	10KW
OAX4B	(See OAX4G)	1200kc	Lima	250w
OAX4E	Ing. Juan P. Goicochea	960kc	Lima	200w
OAX4J	(See OAX4I)	1320kc	Lima	250w
OAX4L	Radio Miraflores, S. A.	1250kc	Lima	200w
OAX5B	(See OAX5C)	1280kc	Ica	200w

## THE LA PAZ STATIONS

### Short Wave

Call	Slogan	Freq.	Power
CP1	Radio del Observatorio S. Calixto	14300kc	500w
CP5	Radio Illimani	6000kc	1KV
CP6	Radio Illimani	9120kc	1KV
CP7	Radio Illimani	15300kc	1KV
CP12	Radio Fides	6255kc	250w



## Long Wave

CP3	Radio Nacional	1230kc	5KW
CP4	Radio Illimani	1000kc	10KW
CP8	Radio America	1450kc	250w
CP9	Radio America	1450kc	1KW
CP10	Radio La Paz	1150kc	120w
CP14	Radio La Noche	1260kc	50w
CP32	Radio Bolivia	1150kc	1KW
CP35	Radio Bolivia	1150kc	1KW

CP1 and CP12 operated by Colegio San Calixto.

CP3 operated by Costas Hermanos, Casilla 596.

CP4, CP5, CP7, operated by the Direccion General de Propaganda.

CP8 and CP9 operated by Radio America, S. A.

CP10 operated by its owner Gonzalo Munoz Ascarrunz, Casilla 911.

CP14 operated by Sociedad Anonime Radio La Noche, Calle Obispo Cardenas.

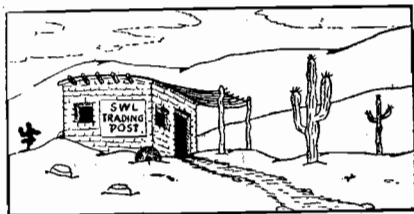
CP32 and CP35 operated by Cia. Internacional de Radio Boliviana, Casilla 669.

NOTE: The city of La Paz, besides being the capital of Bolivia, is also capital of the Province of La Paz.

## STATIONS OF THE COLOMBIAN REPUBLIC

Station Name	Call	City	Frequency in Megacycles	Power in Kilowatts
A. Pinzón H.	HJ-FX	Manizales	600	1.000
Radio Cristal	HJ-CU	Bogotá	720	5.000
Voz Victor	HJ-CI	Bogotá	810	2.500
Voz Bogotá	HJ-CC	Bogotá	870	5.000
Hoyos-Restrepo	HJ-CS	Bogotá	920	50.000
Nueva Granada	HJ-CM	Bogotá	970	0.250
Voz-Suramerica	HJ-CO	Bogotá	1.160	1.000
Voz Colombia	HJ-CZ	Bogotá	1.040	2.500
Radio Santa Fe	HJ-CG	Bogotá	1.060	0.500
Emisora Atlántico	HJ-AH	B/quilla	1.080	0.500
Radio Cali	HJ-EE	Cali	1.090	0.250
Nueva Granada	HJ-CB	Bogotá	1.105	2.000
Radio B/manga	HJ-GE	B/manga	1.130	0.350
Voz Sta. Marta	HJ-BJ	Sta. Marta	1.140	0.500
Voz Valle	HJ-EB	Cali	1.150	0.500
Radio Nutibarà	HJ-DT	Medellin	1.150	0.400
Voz Victor	HJ-AN	B/quilla	1.190	1.000
Emisora Nacional	HJ-CR	Bogotá	1.200	5.000
Ondas del Sinù	HJ-AM	Monteria	1.210	0.250
Ondas Bogotanas	HJ-CE	Bogotá	1.220	1.000
Lab. Fuentes	HJ-AE	Cartagena	1.240	0.525
Voz Antioquia	HJ-DK	Medellin	1.250	0.500
Hernando Bueno	HJ-EL	Cali	1.260	0.500
Voz Cùcuta	HJ-BC	Cùcuta	1.270	0.440
Radio Santander	HJ-GK	B/manga	1.280	0.280

Ecos Tequendama	HJ-CK	Bogotá	1.290	0.250
Voz Colombia	HJ-EC	Cali	1.300	0.500
Voz Patria	HJ-AK	B/quilla	1.310	0.500
Emisora Claridad	HJ-DQ	Medellin	1.320	1.800
Ecos de la Costa	HJ-AA	B/quilla	1.330	0.250
Voz Higueronia	HJ-EF	Cali	1.340	0.500
Ecos Montana	HJ-DC	Medellin	1.350	0.250
Ondas del Otún	HJ-FF	Pereira	1.350	0.250
Radio Narino	HJ-HA	Pasto	1.350	0.500
David H. Martinez	HJ-AI	B/quilla	1.370	0.500
Radio Mundial	HJ-CJ	Bogotá	1.380	0.500
Voz Comercio	HJ-DR	Medellin	1.380	0.250
Radio Manizales	HJ-FD	Manizales	1.390	0.450
Radio Cartagena	HJ-AR	Cartagena	1.400	0.250
Hernando Bueno	HJ-EI	Buga	1.410	0.100
Eduardo Gardeazábal	HJ-EK	Tuluá	1.430	0.100
Ondas de Ibagué	HJ-FL	Ibaqué	1.440	0.100
Voz Be la Icazar	HJ-EG	Popayán	1.450	0.500
Ondas de la Magdalena	HJ-BE	Ciénaga	1.460	0.100
Voz Pereira	HJ-FE	Pereira	1.470	0.250
Ecos de Occidente	HJ-DL	Medellin	1.480	0.500
Univ. Antioquia	HJ-DU	Medellin	1.490	0.250
Radio Palmira	HJ-EM	Palmira	1.510	0.100
Radio Córdoba	HJ-DM	Medellin	1.520	0.500
Onda Corta				
FF. Nacionales	HJ-EH	B/ventura	4.755	0.500
Pregonos del Quindío	HJ-FI	Armenia	1.540	0.500
Onda Corta				
Radio Manizales	HJ-FB	Manizales	4.765	0.500
Radio Santander	HJ-GB	B/umanga	4.775	0.750
Voz Victor	HJ-AB	B/quilla	4.785	0.600
Ecos Montana	HJ-DX	Medellin	4.795	0.750
Intendencia del Chocó	HJ-DG	Quibdó	4.805	0.150
Voz Cúcuta	HJ-BB	Cúcuta	4.815	0.750
Voz de la Valle	HJ-ED	Cali	4.825	0.720
Lab. Fuentes	HJ-AE	Cartagena	4.835	0.525
Nueva Granada	HJ-CD	Bogotá	4.845	0.720
Voz Bogotá	HJ-CF	Bogotá	4.855	0.750
Voz Amiga	HJ-FK	Pereira	4.865	2.500
Voz Armenia	HJ-FH	Armenia	4.875	0.500
Emisora Claridad	HJ-DP	Medellin	4.885	0.500
Voz Victor	HJ-CH	Bogotá	4.895	0.720
Emisora Atlántico	HJ-AG	B/quilla	4.905	1.000
Voz Pereira	HJ-FC	Pereira	4.915	0.500
Radio Cartagena	HJ-AP	Cartagena	4.925	0.600
Voz Colombia	HJ-CX	Bogotá	6.018	0.750
Voz Pereira	HJ-FA	Pereira	6.054.3	0.500
Voz Antioquia	HJ-DE	Medellin	6.145	5.000
Emisora Nacional	HJ-CT	Bogotá	9.630	2.500
Voz Suramerica	HJ-CW	Bogotá	4.935	1.000



Warren Dame, 5 Central St., Saxonville, Mass. (SWL Cards).

E l m e r Neuman, 2224 Woodstock Ave., Swissvale, Pa. (SWL Cards).

John Kezer, 2805—16th Place, N. E., Washington, D. C. (SWL cards).

John Peter Gawel, 95 Jewett Parkway, Buffalo, N. Y. (SWL cards and photos).

Bill Krause, 106-15th St., Sharpsburg, Pa. (SWL Cards).

Vernon H. Shearer, Jr., 219 Whitehall St., S. W., Atlanta, Ga. (Correspondence concerning logging of Alaskan broadcast band stations).

Reg. A. Nunn, Box 80, Hamilton, New Zealand. (SWL cards).

R. Howard Berg, Jr., 621 Melbourne Ave., Melbourne, Fla., (SWL Cards).

James Arp., 421 Mulberry St., Williamsport, Pa. (SWL cards).

Charles S. Werdig, 1619 Irving St., N. E., Washington, D. C. (SWL cards).

David G. Thompson, 3600-22nd St., N. E., Washington, D. C. (SWL cards).

Arthur Woods, 401 Yankee St., Wellsburg, W. Va. (SWL cards).

Glenn Thormann, 271 Park Ave., Westbury, N. Y. (SWL cards and correspondence).

Jesse B. Strawn, Whiting, Kans. (Exchange SWL cards and correspondence so it should not be difficult to exchange with foreign DXers).

Gunnar Sandberg, 34 Grevturegatan, 4 St., Stockholm, Sweden. (SWL cards).

Stan Sosnowski, 6615 Horatio St., Detroit, Mich. (SWL cards).

John W. Clark, 28-24 Utopia Parkway, Flushing, N. Y. (SWL cards).

Austin Wardman, 832 Linden Ave., East Pittsburgh, Pa. (SWL cards).

Philip L. Craig, Route D-1, Box 81, Waterville, Maine. (Correspond with owners of HQ-120-X receivers).

Leon Grossman, 118 Dorbeth Road, Rochester, N. Y. (SWL cards).

Stephen Paul Veres, 7 Orchard St., Garfield, N. J. (SWL cards).

Anyone who has been trying to log Montana might be interested to know that stations KGIR, KRBM and KP-FA are on the air every Sunday morning until 4 A. M. or later with a special program. For a penny postcard with the one word Montana on it, listeners can receive a copper buffalo and a buffalo windshield sticker for their car. The first two stations named can be heard here any Sunday morning. (Harold Robie, Springfield, Mass.)

KGIR in Butte sends an original verification printed on a piece of copper which has been rolled as thin as a piece of paper. For a penny post card they send a copper buffalo and for a correct report and a 3 cent stamp they send a copper verie.

**QUESTION :**

How can I receive Ultra High Frequency stations on my radio?

**ANSWER :**

By sending this coupon today!

Princeton Radio Co. 15889H Princeton Detroit, Michigan
Send me your guaranteed UHF converter right away. I understand that it is complete, and is not a diagram. Enclosed is 50c. RUSH.
Name .....
Address .....
City ..... State .....
Note: Designed exclusively for all-wave superheterodynes. (Radios tuning to 15 megacycles.)

# Radexing With The Radexers

By Ray LaRocque

Within the past two months an avalanche of entries has been received for our Supremacy listings. The new entries have created a much closer race in most of the competitions and makes it even more necessary that we adhere to our first idea of listing only the top five reporters in each group. As promised we are repeating the first three groups and including the three which were unlisted last month.

**SUPREME SUPREMACY:** For the total number of stations verified —not heard:

Botzum (R42)	1130
Forestieri (R133)	1028
Horton (R1305)	981
Walker (R1643)	890
Tear (R924)	745

**COUNTRIES VERIFIED SUPREMACY:** For the highest total of countries verified:

Reichardt (R1633)	55
Botzum (42)	37
Lippincott (R168)	27
Forestieri (R133)	25
Burnham (R1632)	22

**BEGINNER'S SUPREMACY:** Total number of stations verified by DXers who have been DXing two years or less.

Mustoe (R881)	576
France (R701) 20 mo.	475
Richards (R101) 10 mo.	286
Cole (R998)	277
Lee (R1631) 3 mo.	127

**U. S. SUPREMACY:** For the highest total of states in which every operating station has been verified:

Botzum (R42)	40
Walker (R1634)	29
Lippincott (R1634)	7

**OLD TIMERS SUPREMACY:** For the oldest dated verification.

Tear (R924)	July 1930
Botzum (R42)	Dec. 1931
Caldwell (R1319)	Oct. 1933
Walker (R1634)	Aug. 1935
Lippincott (R168)	Sept. 1935

---

---

Readers living in the Eastern and Central Standard Time Zones may send their reports direct to

Ray LaRocque  
4 Wachusett St.,  
Worcester, Mass.

---

---

**SUPREMACY FOR NORTH AMERICA:** For the most states of the U. S., provinces of Canada, states of Meico, and other individual countries in North America—each country to be classed as a state.

Botzum (R42)	80
Daneker (R1122)	72
Walker (R1634)	71
Lippincott (R168)	71
Horton (R1305)	69
Wright (R23 Ill. 4)	66

There you have the top five Radexers in each group. Groups omitted this month are TP SUPREMACY, TA SUPREMACY, and SA SUPREMACY. These and a repetition of the first three this month will appear in the next issue of RADEX. Complete names and addresses of DXers are listed at the conclusion of this article.

Among the names appearing rather prominently in these Supremacy listings you'll find that of Carl Forestieri. We find it fitting to make mention of Carl at present, for, after about twelve years as an active DXer, Carl has been forced to cease active participation in the hobby due to ill health making it necessary for him to acquire more sleep after a hard day's work. As we have it on August 24, 1928, the date being Mrs. Forestieri's birthday, Carl bought her a Zenith 35PX. The serviceman came at 10 p.m. to install the set and it was 11:15 when he left. "We started listening to the set and before we knew it, the midnight hour had arrived", says Carl and in those days most sta-



tions went off at midnight. "An hour later the Chicago stations signed and we spent  $\frac{3}{4}$  of an hour identifying WKY in Oklahoma City which we thought a good catch," continues Carl.

On that night Carl became a DXer and his wife a radio widow, as he puts it. It wasn't till November, 1932 that the first great thrill came to Carl when he logged Radio Trieste on 1211 kcs. "At first it seemed impossible to believe my own ears," claims Carl, "but that announcer was speaking my own language, my native Italian. Yes Radio Trieste was coming in on my loudspeaker." Since that first catch from Europe Carl has gone on to compile a log of verifications that might easily be envied by every DXer in the world. He has among others, CT1GL, Algiers, Radio Maroc, Belfast, 4 Italian, 5 German, and 10 French stations. Also 4 Australian, 1 New Zealand, and countless others among which Carl prizes a veri from a 20 watt Mexican—XEE.

Today, Carl Forestieri has far from forgotten his hobby. He reads RADEX, belongs to many clubs, continues his correspondence with friends, and likes to read what they are doing. Someday, Carl hopes to have the leisure time to devote some attention to DXing again and so do we for the DX hobby could well use many CARL FORESTIERIS.

#### THIS 'N' DATA

Allen G. Verrill of Brockton, Mass. is the proud winner of a phonograph attachment for his radio—the prize awarded by KFWB to the most distant reporter on one of their programs. . . . For James O. Weaver of Elkhart, Indiana we'd like to mention that the Colombian on 1190 is HJAN "La Voz de La Victor" in Barranquilla Colombia. Power is 1000 watts. . . . Anyone having the address of HC2ROZ on 900 kcs. should communicate same to this column for Radexer Stephenson of Oklahoma City. . . . Many stations seem to use their call letters to signify the impor-



*The SWL card of Reg. Nunn of Hamilton, New Zealand. It is a three color card, blue, green and red. He will exchange cards if you send yours to P. O. Box 80, Hamilton.*

tance of their communities as world markets. Witness: WLPM—World's Largest Peanut Market, WFTC—World's Foremost Tobacco Center, WGPC—World's Greatest Peanut Center, WBTM—World's Best Tobacco Market, WGRC—World's Greatest Radio Center, WFBM—World's Foremost Beef Market, WGCM—World's Greatest Cotton Market, WMFG—World's Market For Grain. For the preceding we say Thanks, James O. Weaver.

RADEX readers who use the index a lot will find the following suggestion of Edward Laudansky, Dorchester, Mass. useful. He suggests they pry up the staple and put a gummed reinforcement under each corner. The pages will not come loose again. . . . An azimuthal map of the world with Washington, D. C. as the center can be purchased from the hydrographic office of the U. S. Navy for 30c. Ask for #5199. For this bit of news our thanks to Elwood Cole of Silver Springs, Md. . . . "The Cuban on 640 kcs. has been heard many times but when they are coming in, so are CMCD and WSM on each side of them. I have never been able to get the correct call. Anyone know it?" This from James O. Weaver, 2317 Pleasant Plain Ave., Elkhart, Ind. . . . Radexer Thomas M. Moss, Hapeville, Georgia wants to suggest that the

RADEX Club have printed membership stationery, seals, and buttons. . .

For the benefit of Hubert L. Martz, 22 N. Potomac St., Hagerstown, Md., F. J. Soto of Chicago states that his station on 1030 kcs. is XEB in Mexico City. The 900 kcs. station referred to may have been XENT which is on 910 kcs. . . . On Feb. 23 both WRC and WOL's program lines were destroyed due to a fire which burned the telephone cable cutting the studio from the transmitter. WOL left the air for about half an hour then continued with recordings. About 11:45 p.m. WRC made contact with the studio by short wave via WNBU, 2580 kcs., but the quality was not good enough for rebroadcast—it was discontinued and the station continued with recordings until sign off. . . . Can anyone tell Paul George of 3 South View St., Aurora, Ill. what Spanish speaking station he is hearing on 985 kcs. between WBZ and KDKA.

**PITTSSTON, PENNSYLVANIA**—Thomas Black: "Reports are out to Stavenger, Frankfurt, Paris PTT, Poste Parisien, Nice, YVIRD, HJIABN. My best veries are JOCK, JOHK, Fecamp, Belfast, 4YA, VAS, YVIRM and ZNS. A German station on 760 kcs. with physical exercises has been heard around 2:15 a.m."

**CHICAGO, ILLINOIS**—Mrs. Bee Catalano: "Can anyone tell me what kind of aerial to use to hear the stations in Washington and Oregon. I have never been able to hear any of them—even on test programs."

**WILDER, TENNESSEE**—William Prater: "What all night Spanish speaking station is now operating on 1150 kcs. I've listened to them several mornings between 3:30-4 a.m. I have not heard English spoken yet. Another station on either 1380-90 kcs. an all-nighter also—an American, but I cannot catch the call."

**EKHART, INDIANA**—James O. Weaver, 231 Pleasant Plain Ave.: "Can anyone give me any tips on

when to tune VONF, ZNS, and any Argentine station. I have tried quite often for VONF at their sign off time, but I don't seem to be able to hear them."

**COLUMBIA, TENNESSEE**—W. A. Dobbuis, Route 1: "I tried daytime DXing a few days ago and picked up 25 stations with my old 3 tuber from 11 a.m. to 1 p.m. The best catch was WOAI, 800 miles away. There were plenty of others but I was interested in signals of good quality only."

**ROCHESTER, PENNSYLVANIA**—A. G. Schleiter 830 Case Street: "I have logged up to January 1, 1940 a total of 945 stations, just 52 more than in 1938 when I logged 893 stations. I started a new log on January 1, and in exactly one month I have heard 744 stations, an average of about 22 daily—3 every hour on an 8 hour average."

**DETROIT, MICHIGAN**—Henry Dahl, 101 W. Philadelphia: "Since last time I wrote you, I have increased log by 180 stations, largely with the aid of an eight tube Erla of 1932 vintage. XEAC has been coming in R9 plus lately."

**BRONX, NEW YORK CITY**—Joseph Schwartz, 1355 Morris Ave., Apt. 4F: "The first thing on the menu is an aside to Radexer Starr. The only small receiver that I know that tunes the long waves is the A C Lafayette model S-45. This is also equipped to tune the broadcast band and shortwaves."

**PHILADELPHIA, PENNSYLVANIA**—Frank S. Macolly, 418 Monastery Avenue "Being a reader of RADEX for the past ten years, I thought I'd write a few lines. I want to say that it is the best ALL WAVE Radio Log on the market. I like the articles by B. Francis Dashiell and am interested in seeing more news about the "Not-So-Short Waves." The Month's changes in station data is the one and only of any account in any Radio magazine.

Of the 1138 stations listed in the

broadcast band, I have 751—of the 817 American stations listed, I have 645—of the 321 foreign, I have 106—Of the 489 American "W" calls, I have 435—Of the 328 American "K" calls, I have 200. I have heard all frequencies but 540 kcs., all the states in the U. S., Cuba, and Mexico, Canada, Porto Rico, Hawaii, France, Argentina, Colombia, El Salvador, Guatemala, Newfoundland, and England. Over 5400 amateurs, over 300 Police calls and over 300 shortwave stations are in my log. All but four states have been heard on the police band.

My collection of "Ekko" stamps mounts to nearly 800 stamps, my verification letters number over 1000 including some 25 foreign stations on shortwave bands. . . . Back in the old days I entered such stations which are perhaps unheard of today by many DXers: KOP, WCX, WEAM, WEBH, WGI, WJY, WNJ, WOAV, WRK, WSY, WWAF, PWX, CJCM, CYL, AT-9, 6KW, 9BY, 9BM, 9CY, 9CN, 5NO, and 2EH—the last two being in England and were heard during the International tests in 1924. . . . Others heard as early as 1923 that old timers will recall are WOO, WGM, WLK, WBAY, WIAD, WDT, WQAO, WMH, and WQJ. Anyone wanting to know more about these stations from me can obtain information by writing and enclosing self-addressed stamped envelope. I have heard as much as 100 station in one night in 1929 and 1930—when it was a stunt to do this."

PORT CREDIT, ONTARIO—Selwyn Adamson, Indian Valley Trail: "I recently became re-acquired with RADEX. I might be regarded as one of the old antiquated clan of DXers, having set up many a night way back around 1928-32. Those were the days when shortwave was something that very few ever heard of—and when there were many excellent catches on the broadcast band. I think that receivers of that day were every bit the equal of those of today, as far as getting distance is

concerned. The thrill of my life came when with a 90 ft. aerial on my 8-tube Serenader I dragee din a 15 watter in Tampico, Mexico. Incidentally this old set still performs well, but a new 6-tube Knight receiver gets most of my attention now as I DX on shortwaves. Please convey my greetings to all the "old timers" who are still getting a kick out of DX."

MINGO JUNCTION, OHIO,—Peter J. Danko, 308 Lincoln Avenue: "I have been getting a station on 650 kcs. I got this station on every morning for a week. It might be only 648 or 649 kcs., but it seems to be right on the same spot that I find WSM. At 4 a.m. I heard the clock strike 9 or 10 and then the announcer said, 'This Is London Calling!' Can anyone help me—there are no British stations listed on this channel?"

SOUTH BEND, INDIANA—Harold L. Ball, 3321 N. Side Blvd.: "For about ten years I have been a confirmed DXer, but I didn't start collecting verifications until recently. RADEX has been much help to be in DXing. Following stations did not answer my verification requests in 1939: WNEL, KWEW, KPLC, KUTA, WJIM, and WROL."

### COVERING THE CONTINENTS

#### Domestic Dialings

Komments from the "K" district: KAWM in a veri states that in the three years that they have been on the air, mine is the first report they have rec'd from Tenn. (William Prater, Wilder, Tenn.)

KTSM in Emporia Kansas are an MBS outlet. Their call signifies Kenneth Trimble and Sewall Warren. (Gerald Harris, Kans City, Kans. R729 Kans 5)

KGIR in Butte, Montana has for their veri a stamped piece of copper about three inches wide and five inches long. They also send along a copper buffalo. (Sidney Tellis, Philadelphia, Penna.)

. . . . KGHI's card could easily be mistaken for a ham QSL. It is

printed in yellow, green, blue gray and black and is certainly worth a report. (Elwood B. Cole, Silver Springs, Md.)

KOMA on 1480 kcs. comes on at 7 A.M. and off at 1 A.M. No test programs, but veries correct reports. KTOK on 1380 kcs. on from 7:30 A.M. to 1 A.M. Has a test program on the 2nd Tuesday of each month from 3:45 to 4 A.M. DXers should try for these tests. . . KOCY on 1310 kcs. also sends veries for accurate reports. They have test on 1st, 3rd, and 4th Tuesdays of each month from 6:38 to 6:50 A.M. (Ernest R. Forrest, Oklahoma City, Okla.)

KPOF was heard on a test between 2:45 and 3:15 A.M. on March 8th. Apparently they test each second Friday at this time. . . KID conducts a DX broadcast the second Sunday of (Frank Susoreny E. Chicago, Ind. R1-the month form 3:15 to 3:30 A.M. 421)

KWTN on 1210 kcs. Watertown, S. Dak. is deleted, 2nd a new station KWAT in that city is under construction. Will begin operations about Feb. 1st.

CMQ Havana has shifted to 690 kcs. on top of XET Monterey, XET broadcasts American "Hill Billy" music from 6 to 8 A.M. and from 7 to 11 P.M. Since there is a great battle between XET and CMQ with the Cuban sometimes having a little the edge, and since XET is using San Antonio for their commercial mailing address, it is probably that we may soon have a frequency change. (Pat Webb, San Antonio, Teas)

XEZ in Merida, Yucatan sends a very attractive blue and yellow card. Picture is in yellow an dwhite background with call letters and verification in blue, XEZ on 630 kcs. was heard on their program dedicated to the NRC. (Hal Robie, Springfield, Mass. and James O. Weaver, Elkhart, Ind.)

XEAG sends a card letter and souvenir and commented on my full report. They seemed very glad to get

reports on their DX broadcasts. (Arthur Parfitt, Cleveland, Ohio) several occasions in the early mornings from 3 to 6:30 A.M. (James O.

XET on 690 kcs. has been heard on Weaver, Elkhart, Ind.)

Does XENT verify? Report was sent them and all that was received is a booklet on cancer cure. (C. R. Bendes, Pittsburgh, Pa.)

Panama: HOK on 640 kcs. was heard January 28th. They came in here R6. . . Also heard HP5K the same morning relaying the same pro-III, and James O. Weaver, Elkhart, gram. (Paul George, R542 Aurora, Ind.)

Porto Rico: A new station will soon be operating in Puerto Rico, WPAB are the call letters of the stations to be operated in Ponce, on 1340 kcs. with 1000 watts. (Lee Grossman, Rochester, N. Y.)

#### Tuning the TA's

It has been mentioned in the paper that the war has made it impossible that the convention of Montreux be placed into effect internationally, as was scheduled on March 4. England, France and Germany have already announced that under the prevailing change of wavelength. Smaller countries look upon any change with disconditions they will not effectuate the favor as present conditions make it difficult to obtain necessary materials with which to make changes. So, the Montreux plan, though it will be kept for further use, will undoubtedly not be effectuated this season. (Anton Jansen, Boskoop, Netherlands.)

Albania: Radio Experimental Tirana II (234 mtrs) uses but 10 watts, but will increase to 50 kw. when new transmitter is complete. . . March issue of "Radio Revista Tirana mentions Tirana II on 1289.5 kcs. with 10 watts and on 1384 kcs. with 250 watts power. No schedule mentioned. (Anton Jansen, Boskoop, Netherlands.)

Bohemian and Maravian Protectorate: Former station "Prague II" at Melnik on 1113 kcs. is now called Reichssender Bohmen (State Trans-



mitter—Bohemia) using only German during regular programs . . . the former Prague on 638 kcs. carries the transmissions in Czech. Station announcements also only in Czech and transmissions close with Czech anthem. Same interval signal as formerly —4 harp strings. . . Tropolau on 1204 kcs. which apparently is the former Czecho Slovak station "Moravska Ostrawa" is now an auxiliary transmitter of the Reichssender Breslau along with Gorlitz and Gleiwitz. . . Kosice on 1158 kcs. is now a station of the Hungarian broadcasting system since Hungary has annexed this Czechoslovak city. The station is now called "Kassa." No data is available on the status of the former stations Brno, Banska Bystrica, etc, but as soon as I have information I'll send it to you, Bratislavia is now the national Slovak station. (Anton Jansen, Boskoop, Netherlands.)

**Finland:** Stations are Lahti on 1807.2 mtrs., Helsinki on 400.5 mtrs., Oulu on 696 mtrs. Vassa on 211.3 meters and Turku on 335.2 meters. (Anton Jansen, Boskoop, Netherlands.)

**France:** A French station was heard on 695 kcs., but due to terrific QRM, it was impossible to make positive identification, Signal peaked about R5, Piano music was heard. (Allen G. Verrill, Brockton, Mass. R968.)

I don't hear "Radio International" any longer. Nor do I hear "Radio Normandie". So the station appears to have ceased to transmit. I do not know the reason. (Anton Jansen, Boskoop, Netherlands.)

**Great Britain:** British Broadcasting corporation transmitters heard on 775 kcs. and 670 kcs. from 2:35 P. M. EST. to 3:15 A. M., both have good signals. Peaked R9 plus on 29th and 30th. News broadcast presented at 3 A. M. (Allen G. Verrill, Brockton, Mass. R968.)

The longwave station at Droitwich on 200 kcs. is no longer operating (Anton Jansen, Boskoop, Netherlands.)

**Germany:** German station on 765 kcs. heard with band music and German announcements, a very strong signal R7 to 9 plus. Heard from 2:20 A. M. to 2:35 A. M. EST. (Allen G. Verrill, Brockton, Mass. R968.)

"Reichssender Saarbrucken" on 1249 kcs. apparently has been put out of service. As you will know, Saarbrucken has been evacuated. On the other hand, the evacuated French city of Strassbourg has kept their station "Radio Strassbourg on 859 kcs. in regular service. (Anton Jansen, Boskoop, Netherlands.)

**Luxembourg:** As you will know, not long after the beginning of the war, the long wave station Luxembourg on 232 kcs. closed down. All the staff has been put out of service. (Anton Jansen, Boskoop, Netherlands.)

**Netherlands:** Present stations include the longwave Hilversum I with 120 kw. Hilversum II on 995 kcs. with 60 kw. and Jaarsveld on 724 kcs. These two new transmitters are under construction at Lopik and will not be opened on new frequencies, but will replace Hilversum II and Jaarsveld on their respective frequencies. Power on both these new transmitters will be 250 kw. (Anton Jansen, Boskoop, Netherlands.)

**Poland:** In the part of Poland occupied by Germany the following changes in broadcasting have taken place. The former Torun transmits on 906 kcs. and is now called Danzig I. Danzig II operates on 1303 kcs. . . . The well know longwave Warsaw transmitter was destroyed during the cannonade of Warsaw last September. There is a German station on the same frequency announcing as "Hauptsender Lodz I" (Head Transmitter Lodz I) which is supposed to be the old transmitter used on 244 kcs. by Deutschlandsender as the latter station now has a new one. . . . This longwave station is relayed by "Warchau" (German for Warsaw) on 1384 kcs. (formerly Warsaw II) and by "Krakau" (German for Cra-

cow) on 1022 kcs. and by Lodz II on 1339 kcs. The Katowice station which operated on 758 kcs. was also destroyed and will be rebuilt to operate on 249.2 mtrs. under the German name for the city — Kattowitz. Information is lacking about the Lwow transmitter 759 kcs. as that city is in Russian territory now and same is true of Wilno 536 kcs. now in Lithuania in the city called Vilnius. (Anton Jansen, Boskoop, Netherlands.)

**Spain:** A 20 kw. transmitter has been erected at La Corun (having been transported from Burgos) and will operate on 968 kcs. (Anton Jansen, Boskoop, Netherlands.)

**Tripoli:** Radio "Tripoli" veri card received by (Clarence Burnham, Gloucester, Mass.)

#### TP Topics

TP's are beginning to show some strength and 4 QS is one of the latest heard. 1ZB also heard recently. 1 YA was heard 3:15 this a. m. (Joseph T. Lippincott, East Vassalboro, Maine.)

**Australia:** 4QS the new station on 760 kcs. is an easy catch running an R8 signal on peaks and never below R5. (Isaac T. Davis Elkhart Texas.)

The following Australian along with a few New Zealand stations are being heard 3:45 a. m. to daylight, reaching a peak around 5:30 a. m. 1YA, 3AR, 4QN, 5CK, 2CO, 2NR, 4QS, 4QG, 3GI, 2CV, 2GB, 2UE, 2GZ, 2KY, 4BC, 2NC, 3TR, 4BH, 4YZ, 3YA, 2YC, 4ZB. (Harold B. Schuber, R1323, Britt, Iowa.)

**Hawaii:** KGMB verified on December frequency check with government post card. It pictures the map of Hawaii in green and is printed in black. (Frank Susoreny, E. Chicago, Ind.)

KHBC in Hilo is now operating on new frequency of 1300 kcs. (Merlin Steen, Decorah, Iowa.)

**New Zealand:** N. Z. National stations stay on the air much later than they did before the war. They now sign off at midnight N. Z. Standard Time, which is, as you know, 7:30 a. m. E. S. T. . . . I heard 2YA signing off on 650 kcs. last Sunday. Has this station moved to that frequency? I thought I was listening to 1YA until he announced 2YA signing off. (Isaac T. Davis, Elkhart, Texas.)

**Japan:** JOAK-2 on 970 kcs. came in almost as loud as WENR does and a station in parallel with them on about 760 kcs. were heard. Another station speaking an oriental language was heard on 810 kcs. (Pat Webb, San Antonio, Texas.)

Oriental music was heard very weakly on 590, 660, and 790 kcs. after 5 a. m., so I believe I had JOAK-1, XGZ, and JOGK. (James O. Weaver, Elkhart, Ind.)

#### Supremacy Contestants

R23, Ill. 4—Richard Wright, Swarthmore, Pa.

R42—Robert Botzum, Reading, Pa.

R101—Weston Richards, Zion, Ill.

R133—Carl Forestieri, Bronx, New York City

R168—Joseph T. Lippincott, E. Vassalboro, Maine

R701—William France, Bridgeport, Ohio

R881—Clarence Lee Mustoe, Brady, Mont.

R924—Harold Tear Roanoke, Va.

R998—Edward B. Cole, Jr., Silver Springs, Md.

R1122—Richard Daneker, Lansdale, Penna.

R1319—Alton L. Caldwell, Brockton, Mass.

R1631—Thurston L. Lee, Fort Benning, Ga.

R1632—Clarence, Burnham, Gloucester, Mass.

R1643—Jim Walker, Cass, W. Va.

# HIGH FREQUENCY GLOBE TROTTING

By Ray La Rocque

Readers living in the Eastern and Central Standard Time Zones may send their reports direct to Ray LaRocque, 4 Wachusett Street, Worcester, Mass.

---

---

G. R. Jewell, Jr. ....	100%
John A. Shanks .....	57%
M. C. M. Horlick ....	55%
Anton Jansen .....	49%
John D. Long .....	46%

---

---

Absent from our meter for one issue, while he transported his listening post all the way from Alabama to California, G. R. Jewell is back again with a bang. He walked away with top honors this month, while practically every other reporter on the list battled fiercely for second place. Honorable mention this time is being given to M. F. Williams, Pat Web, C. R. Bendes, and A. L. Kempton.

Your chief Globe Trotter begs the forgiveness of every RADEXER, for we have not been able to reply to all correspondence, as has been our past policy. So heavy has been the mail, and the time to answer letters so short, that we've had to cut down and reply only to those letters which necessitated immediate reply. Others who have replies coming to them will receive them in due time. In the future we're going to have to make most of our acknowledgments and replies through the medium of this department. Of course, the enclosure of self addressed and stamped envelope will bring a personal reply. So we beg you to continue to send your grand reports to us and we'll do our best to respond and acknowledge every one of them in RADEX.

## ASK US ANOTHER

"How does one go about getting a veri from WMI, Lorain, Ohio", is the query of Henry Bennett, 644 Atlantic Ave., Collingswood, N. J. Radexer Bennett further asks, "Does anyone know if W3XQH on 2420 kcs. is an experimental station of the Indian-

apolis Police Dept?" . . . . A station in China has been heard about 9 p.m. on 9630 kcs. by Ernest R. Forrest, 224 E. Park Place, Oklahoma City, Okla. Can anyone give further information on this station.

Alton L. Caldwell, R1319, Brett St., Brockton, Mass. would like some information on a station playing Strauss waltzes without announcements on about 7090 kcs. The station was heard from 12:07-12:33 a.m. At 12:30 a man spoke briefly, but was lost in QRM as the station left the air. . . . Answering RADEXER Budden of Montreal, Joseph Schwartz, 1355 Morris Ave., Bronx, N. Y. relates "Deutsche Freiheit Sender is the anti Nazi portable mobile station working in former Austria." Now for a query of his own, friend Shwartz asks to know the location of Y2J and VYQ, both Canadian Police stations. . . . "I would like information on two stations", requests Kyle C. Bonifield, Asbury Park, N. J. A Dominican on 11870 kcs. heard at 8:30 p.m. and a station speaking both English and French broadcasting a play concerning Marie Antionette on 9500 kcs. late Tuesday evening.

A Colombian station on 4980 kcs. announcing as P. O. Box 77 is puzzling



The attractive QSL card of CT1QA, heard often in the United States on 20 meter 'phone, although his power is only 32 watts.

John A. Shanks, Russellville, Tenn. Has anyone the answer? . . . "Who is the station I heard from 1-2:30 a.m. on 9505 kcs. on March 5?" That question is from L. F. Dolbow, R1441, Kansas City, Kans. "The signal was very strong," continues Radexer Dolbow, "but badly QRM'd by GSB. A gong was struck, and woman announcer used. The language was strange."

Alfred Mozzi, 124 Charles St., Menden, Conn. relates, "Yesterday I heard a station with the call letters WWOA on 42-43 megacycles. Will you please tell me the location and what kind of station this is?" . . . H. L. Tomkinson, 49 Main St., Mt. Holly, N. J. would like help in identifying a station on about 10900 kcs, which has been heard as early as 11:05 a.m. and signs off at 3 p.m. with chimes and clock striking eight. . . . "I would appreciate it if someone would tell me whether WGEO are using their new amplifier, and if so how much power they are running at the present time? Has their tips program been discontinued, or merely changed to a new time?" The preceding is from Pat Webb, 1525 Hicks Ave., San Antonio, Texas. . . . Asks Clarence Burnham, 6 Avon Court, Gloucester, Mass, "WOAJ and WOAK on 2726 kcs. have been heard R9—who are they?" . . . Mr. Edward H. Draper, R.F.D. #2, West Burke, Vt., had his name erroneously listed as T. P. Draper in RADEX a few months ago and has been getting mail addressed in that fashion. He'd like his correspondents to know his correct name, so here it is! . . . A mystery station has been heard on 9700 kcs. just a hair higher than TGWA. It was heard by Charles L. Carroll, 298 East Scott Ave., Rahway, N. J. at 9:15 until 11:03 p.m. Sign off number was the French National Anthem. All announcements

were believed to be in Spanish and "Beer Barrel Polka," was identified as one of the numbers. . . . Helen L. Lind, 1059 Maplecliffe Drive, Lake-ks. "Somebody Stole My Gal" was wood, Ohio is hearing a CIX on 5830 the first English song I've heard from the station. The station signed off a few minutes before midnight with the song "Goodnight, Goodnight." . . . A BEC station on or very near 1000 kcs. has been heard broadcasting the same program as the 17810 kcs. station. Any information about this station will be appreciated by P. P. Malley, 371 Spoke St., Pittsburgh Penna.

#### QUOTE AND UNQUOTE

John H. Sanders, 612 2nd Ave., Williamsport, Penna: "I have received every continent and a lot of stations in South America, Europe, and Australia. I also have a verification from back in 1929, along with G5SW and VK2ME."

Eric Butcher, Beira, Portuguese E. Africa: "Stations here gave me a very fine reception at Lourenzo Marqués, and the English announcer, Miss Hedwiges Sequeira is very charming. This station deserves a little publicity. The best station received daily except the high power Europeans is TAP, Ankara, Turkey. What with tropical static and electrical interference reception tonight is almost impossible from 6:30-11:00 p. m. E. S.T."

Murray Vaughan, Saint Martins, New Brunswick: "I am the only radio fan in this district. I am thirty miles East of St. John on the Bay of Fundy. The receiver used is a Freed Eisemann with six tubes."

Lester E. Balcome, R1312, Malden, Mass.: "Just now I am engaged in lending a hand with the communications section of the newly formed Civilian Air Reserve at the local air-



port. We plan to operate on 160, 75, and 20 meter phone. Also it may be possible to install 2½ meter transceivers in the plane. It's going to take some little time and plenty of 'elbow grease', that's certain."

**Pat Webb, San Antonio, Texas:** "I believe the greatest thrill I have had in my years of DXing was on the Sunday that the German Battleship, Graf Spee was scuttled at Montevideo. All day long WOD, New York had kept up a circuit with LSY, Buenos Aires—who had a land line to the dockside with an announcer who had been waiting there all night. Every few minutes he would give reports of activity to the NBC in New York. Most of it was very interesting, but was not put over the networks. Then, a few minutes before six in the evening, there was an excited murmur of voices in the background, a loud noise which might have been the reverberation of a distant explosion, and the announcer shouted excitedly to be put on the network—that the ship had been scuttled! Two or three minutes later the whole country heard the news, but I was lucky enough to be one of the first."

**Myron Ksenich, Lorain, Ohio:** "I've verified 243 stations and on the short-waves I've verified 44 stations from 25 different countries. My prize catches are 'Radio Saigon' and JDY—both verified."

**Kyle C. Bonifield, 519 Asbury Ave., Asbury Park, N. J.:** "I'm interested in a simple diagram of a one or two tube long wave receiver. Perhaps you could print such a diagram in RADEX. I also think it a good idea if a list of all foreign C.W. and phone stations could be printed."

**M. E. Williams, 119 S. 8th Street, Newark, New Jersey:** "Realizing that many SWL's and transmitters do not possess an up-to-date Call Book, and frequently they desire to send a report to a station whose address is unknown, I have formed a free service for all who wish to take advantage of it. The American SWL Bureau will

forward your SWL cards to ham stations requesting him to mail you a card in return. All that is asked is that you do not mail your cards in packets—post each one of them separately so that the receiver will see the postmark. Simply address each card to the station desired in care of the American SWL Bureau. The following countries only are covered: CE, CM, CO, CP, CX, EA, HC, HH, HI, HK, Hp, HR, K4, KB4, K5, K6, KA, KB6, KC6, KD6, KE6, KF6, KG6, K7, LU, NY, OA, PY, TG, Ti, VE, VO, W, XE, YN, YS, Yv and ZP."

**Artie Fleming, R236, Parkville, Missouri:** "Now that the weather has warmed up, I hear very strong signals regularly from Europe on 17, 19, 25, and 31 meters 24 hours a day. I have heard a lot of ship-to-shore telephone on 2500-2800 kcs., but I haven't found that part of the band listed. What issue of RADEX would include this band?" (Nov., 1939).

#### ULTRA HIGH

Perhaps the most talked-about use of the ultra high bands at the moment is "FM" as it is known or Frequency Modulated broadcasting. It has been predicted that as many as 100 or even within the period of a year. That the 200 such stations would be in use new system invented and developed by Professor Armstrong of Columbia University is a definite and distinct step forward is beyond a doubt to us and to anyone else who has witnessed a demonstration of "FM" broadcasting. Just how much time will be consumed in switching the public from the present system to the new method of reception (It will mean an entirely new receiver as present receivers cannot receive "FM" emissions) is a major question. Advantages of the new system are numerous, disadvantages, few.

Among the advantages, are a signal free of background noises, atmospheric static, and all made interference as well as free of inter-station QRM, as a receiver will pick up only the

strongest signal on any given channel. Add to this a range of tone which extends far above and below limitations of the human ear, enabling the music lover to hear symphonies and operas just as if he were present in the concert hall and you have the greatest step forward in radio in many years! Yes sir, DXers, Television and other developments will have to take a back seat for "FM" broadcasting is the fertile field for pioneer DX activities right now. We'd like to hear reader re-action to this new method of broadcasting and would also like to have reports from DXers who have or intend to do any listening on these new types of receivers, which are available now as single units or as combinations to receive the present type of signals as well as "FM" signals.

W5XAU on 26125 kcs. in Oklahoma City relays WKY from 7 a.m. to 11 p.m. daily Reports are requested and veri cards are issued. Reported (Mass.) as the best signal on the band. (Forrest—Okla., Horlick—Ohio, and Caldwell—Mass.)

W5XD on 25300 kcs. in Dallas is heard from 11 a.m. to 2:30 p.m. Also has been reported using facsimile on broadcasts. (Horlick-Ohio, and Caldwell-Mass.)

W8XNW on 15300 kcs. in Cincinnati, O., is heard on Wednesdays from 1-4 p.m. (Horlick-Ohio.)

W9XH on 26050 kcs. at South Bend has been heard very well relaying the programs of WSBT. (Caldwell-Mass.)

W9XLA on 25400 kcs. in Denver is heard very well relaying the programs of station KLZ. Schedule is daily from 11 a.m. to 3:30 p.m. and Saturday from 1-7 p.m. (Caldwell-Mass, Horlick-Ohio, and Hill-D. C.)

W9XOK on 25300 kcs. in St. Louis, Mo. relays KXOK and is heard on Mondays and Wednesdays from 12-1 p.m. (Horlick-Ohio.)

WAVA on 30700 kcs. in Alexandria has been heard operating with at least

two mobile units. (Hill-D.C.)

A New York State Police station is heard here Wednesdays and Fridays on 31500 kcs. from 2-2:30 p.m. (Horlick-Ohio.)

### NOT SO SHORT WAVES

We acknowledge a communication from F. R. Rogers, American Legion, Ira Lou Spring Post #149, Jamestown, New York; parts of which are included in the following: WANC is our portable station and is the only special emergency stations operating on the special emergency frequencies, (3190 kcs, for C.W. and 2726 kcs. for phone) which is owned by a disaster relief organization. During the Ohio River flood in 1936-37 we operated in North Vernon, Ind. where WANC worked one week for HQ 76th, Brigade, Ind., National Guard. We sent ten men, truck, trailer, one car, radio station with gas engine and generator, telephone switchboard, field telephones, 300 ft. telephone wire, first aid supplies, two weeks rations for our men, a complete mess outfit, gasoline stove, cots and bedding, etc. . . The FCC has given us special authority to work amateur stations in order to be ready for emergency work in time of disaster. We are on the air for test schedules each Wednesday night from 8-10 p.m. Equipment is designed to operate in our trailer, but except in emergency work it operates from the Legion rooms. We are glad to arrange test schedules with any amateur station. All reception reports will be confirmed if two one-cent stamps are enclosed."

WCYE in Harrisburg, heard in contact with WAGO . . . WHCU is off the air at 9:50 p.m. (Hathaway, Ill.)

WCMC is not the boat Uruguay as stated by Szabo, R1302, in January issue of RADEX. It is the Police Dept. of Montgomery County, Pa., at Morristown. It is on 2366 kcs. with 500 watts. (Bennett—N.J.)

Coast Guard has absorbed the Light House stations so that the calls are now "N's", and the Great Lakes Light House and Guard stations will be on

3404 kcs., and all others on 3410 kcs. The New York district stations will call on 2670 kcs., and answer on 3410 kcs. The three-letter calls of the United and TWA are changed to four-letter calls, beginning with KUAA to KUAY, and I suppose the other aero three-letter calls will also be changed.

H H Y B has been identified as a coastal harbor station in Port-Au-Prince, Haiti on 2738 kcs. . . . KNLO was listed wrong in my past report—should have been KNJR of Death Valley, Calif. on 3415 kcs. . . . Does anyone know what police station on 1690 kcs. is heard giving reports in Spanish evenings near midnight?

VE9CO operating aboard Canadian ships and testing transmitters to be used on the Great Lakes is on 2118 and 2738 kcs. VE9CO contacts W9-XTD at Lake Bluff, Ill. on 2514 kcs. (All of preceding from Roman-Ill.)

### SHORTWAVES IN REVIEW

#### Albania

ZAA on 7840 kcs. at Tirana uses a power of 3 kw. Actual schedule is from 6:20 a.m. to 8:30 a.m. on 7840 kcs., and from 7:20 a.m. to 5 p.m. on 6080 kcs. (Jansen—Netherlands)

#### Angola

CR6BE on 10900 kcs. at Benguela, has been heard here at 3:20 p.m. as a local station. (Butcher—Beira, Portuguese Africa)

#### Argentina

LRA on 9710 kcs. is heard when QRM is low. Good dance music is heard.

LRU on 15290 kcs. is heard with strong signals from about 8:30-10 a.m. LRX on 9660 kcs. is a good nightly catch for all DXers. They are in from 6-11 p.m. featuring American and Argentine music. (Jewell-Calif.)

#### Australia

VLR on 9580 kcs. at Melbourne is still heard in the early mornings with R6- signals. News is featured. (Jewell-Calif.)

VLQ-5 on 9680 kcs. at Sydney, operates from 6:30-9 a.m. Reports requested sent to Australia Broadcast Commission, Shortwave station VLQ-

5, Sydney. (Long-Ga., Ksenich-Ohio, Henderson - Pa., Bonifield - N. J., and Shanks-Tenn.)

VLW on 9650 kcs. at Perth, W. Australia comes in with a strong signal daily. (Ksenich-Ohio)

#### Bahama Islands

ZNS on 6090 kcs. is heard fine from 7:30 p.m. when they relay B.B.C. They announce "This is Nassau calling", just before 8 p.m. (Kempton-Mass.)

#### Brazil

PSEA (or so it sounded) on 15220 kcs. (approximately) heard with an R9 signal speaking only Spanish. Call letters were announced after each musical selection. They were heard from 11:08-11:58 a.m. (Hankins-Pa.)

#### Belgium

ORK on 10300 kcs. at Russelede is heard with fair signals from 1:30-3 p.m. ORK has been heard irregularly here of late. It may be due to the situation in Europe, but this station has not been heard nearly as consistent as in the past. (Jewell-Calif.)

#### Bulgaria

Sofia on 9505 kcs. is heard on the following schedule—from 3:30-5 p.m. They also operate on 6100 kcs. (Shanks-Tenn.)

#### Canary Islands

"La Voz de Gran Canaria" of Las Palmas is heard with good signals daily. They are low in the 40 meter band until 2 p.m. with their "Emision de la Tarde". They do not announce call letters or frequency. (Jansen-Netherlands)

#### Chile

CB-1180 kcs. on 11945 kcs., having recently shifted frequency, is about the best heard station from that country. (Williams-N.J.)

#### China

XMHA at Shanghai was heard with strong signals at 10:30 A.M. on March 18, others heard well on that day are KRZH, KZRM, MTCY, PLP, LKV, LKQ, and TAP. (Hoadley-Ont.)

XGXX at Zechwan on 15200 kcs. is heard broadcasting to North America from 8:30 to 10:45 P. M. Listeners are

cordially invited to write, address is "The Voice of China" Station XG-OX, Chungking, China. (Long-Ga., Fisher-Mich., Kempton-Mass., Jewell-Calif., Hoadley-Ont.)

### Colombia

HJAG is now transmitting on a second frequency of 9810 kcs. and conducts tests after 6 P. M. irregularly. (Williams-N.J.)

HJCP Bogota, Colombia on 9630 kcs. is a new station, heard giving a test program from 5:03 P.M. to 5:10 P.M. Signal was very strong. (Kastner-Texas)

HJBB on 4815 kcs. is the new call of HC2BAB at Cucuta, Colombia relaying HJBC the former HJ2BAC of the same city. They broadcast until 11 P. M. (Stephenson-Okla.)

### Costa Rica

TIPG at San Jose on 9616 kcs. broadcast an English hour every Wednesday and Saturday from 9 to 10 P.M. called The Hour of Costa Rica. (Kastner-Texas)

### Cuba

COX 7 on 4290 kcs. Operated by the Cuban Army, with 5 kw, broadcasts every day from 6 to 10:30 P.M. (Rodriguez-Cuba)

COX 4 on 6390 kcs. Operated by the Cuban Army, with 5 kw, broadcasts daily from 2 to 3 P.M. (Rodriguez-Cuba)

COCY on 9230 kcs. Operated by Autran & Carbo with 2 kw., G. No 509 Vevado, Habana, Cuba. They broadcast daily from 5 to 8:30 P.M. and relay CMCY, QRA Cuerpo de Cultura del Ejercito Constitucional, Ciudad Militar, Marianao, Cuba. (Rodriguez-Cuba)

CMY on 8415 kcs. is a new station heard between 4 and 5 P.M. daily. Address is Observatorio del Calegio de Montserrat, Cienfuegos, Cuba. (Williams-N.J.)

COCQ on 6360 kcs. a new frequency COHI heard on 4275 kcs. (Bendes-Pa.)

COBQ (relaying CMBQ) will be the new call of COGF. The new slo-

gan will be "Radioteatro Ideas Pazos" (Ramirez-Cuba)

### Denmark

On account of lack of coal in Denmark the transmissions have to finish at 5 p. m. whereas they formerly lasted until 7 p. m. or 7:30 p. m. "Dansmarks Kortwellesender," the Danish shortwave station, relays, but not regularly, the Danish program until 5 p. m. on about 40 meters. (Jansen-Netherlands)

### Ecuador

HJCT on 9630 kcs. (new) National Radio heard on inauguration program 8 P.M. February 1st. (Burnham-Mass.)

HCIJB on 12460 kcs. was heard testing a new 10000 watt transmitter in the afternoon with a strong signal. (Caldwell-Mass.)

### Egypt

Station with good signal heard almost daily on about 38 mtrs. from 1:30 A.M. to 3:30 A.M. Signs off with Egyptian National Anthem, so the Nationality is evidently Egyptian. All speech is apparently Egyptian or Arabian as I can recognize what seems to be a station announcement, sounds like "Hoonakahera". At 1:30 A.M. there is the striking of a clock, only the prelude, no strokes indicating the hour. Programs consist of news, plays and Eastern music. (Jansen-Netherlands)

SUX on 7867 kcs. heard with Arabic program with a good signal. (Caldwell-Mass.)

### Finland

OFE heard at 10:30 A.M. with a woman announcer and good signal. (Hathaway-III.)

Lahti on 16.85 mtrs., 19.75 mtrs., 25.47 mtrs., and 31.58 meters, and Helsinki on 49.02 mtrs., the Finnish shortwave stations are still on during the war activities but occasionally close down during an air raid. (Jansen-Netherlands)

### France

"Paris Mondial" has been shifting schedules and frequencies often since the war. We present herewith a few

scattered reports on when and where they were heard. On 11843 kcs. from 11:30 a.m. to 12:30 p.m. . . . On 9520 kcs., 11718 kcs., 11885 kcs. from 6 p.m. to 12:30 a.m. . . . Heard signing off at 7:45 p.m. on 9520 kcs. . . . on 11843 kcs. news in English has been heard at noon . . . (Harris-Mass., Webb-Teas, Hankins-Pa., Shanks-Tenn., Horlick-Ohio, and Jewell-Calif.)

#### French Indo China

"Radio Saigon" on 11780 kcs. is heard with R8-9 signal between 8-9:30 a.m. They have a lady announcer and use two chimes preceding "Ice Radio Saigon" and one chime after the announcement. This usually comes at 8:15 a.m. Concert music is featured. (Shanks-Tenn.)

#### French Morocco

CNP on 8795 kcs. is located in Casablanca and is being heard between 3:15 and 4 p.m. daily (Williams-N.J.)

#### Germany

DJ stations have a new signal which sounds like a church bell. It tolls four times and is followed by four c.w. notes. (Kempton-Mass.)

DJB on 15220 kcs. has news in English from 9:15 a.m. to 9:25 a.m. (Bendes-Pa.)

DJD on 11770 kcs. and DJC on 6020 kcs. have news in English at 2 p.m. They verify by card for an IRC. Bendes-Pa.)

DJE on 17760 kcs. has news in German from 8-8:15 a.m. (Harris-Mass.)

A mystery station believed by the British to be in Dusseldorf transmits in French and English. They announce in French as "La Voix de la Paix" (The Voice of Peace) and transmits daily on 7210, 6270, and 6040 kcs., simultaneously. Programs consist of speeches against the French Government and gramophone records between text of the program. Station urges the necessity of peace for France stressing the force of the adversary, so this is idiction as to the operators. They pretend to be located in France. Signs off with "La Marseillaise" the French anthem and



*PAOCS and his rig. He was formerly a trick bicycle rider and racer, and won innumerable medals and prizes throughout Europe for his prowess. He now is a teacher in Menauldum, Netheralnds.*

shouting "Vive La France". Transmits at 12:30 P.M., 1:30 P.M., 2:30 P.M., 3:30 P.M., 4:30 P.M., with each broadcast lasting 20 minutes. (Jansen-Netherlands)

DXG on 6190 kcs. repeating the news in Spanish off DXX at 10 A.M. in synchronization with DJP. (Jansen-Netherlands.)

DXQ on 6170 kcs. on daily with news in English from 2:55 P.M. to 3:05 P.M. and news in French from 3:05 P.M. to 3:15 P.M., In synchronization with Podebrad on 4987 kcs. one of the Praha transmitters. (Jansen-Netherlands.)

DJA give news in Spanish at 3:20 P.M. (Jansen-Netherlands)

#### Great Britain

GSV on 17810 kcs. now broadcasts a program in English from 10:30 to 11:30 A.M. The news is given at 11:15 and at 11:30 the news is read in Afrikaans. (Bendes-Pa.)

GSP broadcast the news at 7 P.M. along with GSO (Bendes-Pa.)

GSD on 11520 kcs. heard from noon to 3:30 P.M. and 3:52 to 6 P.M. as well as at night 6:22 to 9:20 P.M. and 9:40 P.M. to 12:30 P.M. (Horlick-Ohio, Jewell\*Calif.)

GSF on 11860 kcs. heard from 6:30 A.M. to 9 A.M. and from 1 to 3:30 P.M. (Horlick-Ohio)

GSJ on 21530 kcs. is heard from 9:15 to 11:30 a.m. . . GSI on from 11:52 a.m. to 3:30 p.m. and returns again at 6 p.m. . . GSC comes on at 6:22 p.m. until 9:20 p.m. . . GSB also comes on the air at 6:22 p.m. and is on to 9:20 p.m. (Horlick-Ohio)

#### Guatemala

TGWA on 9685 kcs. is heard with marimba music from 11-11:30 p.m. nightly (Jewell-Calif.) On 19 meter band TGWA is heard with marimba music from 12:45-1:30 p.m. (Woolcott-N.Y.)

TGWB on 6480 kcs. broadcasts simultaneously with TGWC on 2320 kcs., TGW on 1520 kcs., TGWB is the best heard in this section although only 1 kw. as compared to TGWA's 10 kw. (Jewell-Calif.)

TGWC on 2320 kcs. is heard every night at 11 p.m. (Podall-Vt.)

#### Honduras

HRN on 5875 kcs. at Tegucigalpa sent me their card in short time and signed by Paul John. The card is light grey with red call letters. Relayed by broadcast station on 1250 kcs., their schedule is 7 a.m. to 11 p.m. For those wishing a card—do not send an IRC as they do not accept them, but enclose one dime in an envelope. (Jewell-Calif.)

#### Hungary

HAD-3 on 11860 kcs. is one of the new Budapest stations and is broadcasting from 5-6:20 p.m. daily (Sullivan-Mass., and Coyle-Pa.)

HAS-3 on 15370 kcs. is heard Sundays from 9-10 a.m. with a good signal.

HAT-4 on 9125 kcs. has been heard daily from 7-8 p.m. and from 6 p.m. on Saturday. Music box chimes are heard five minutes previous to broadcasting. National Anthem is played at sign off. (Jewell-Calif.)

the new Budapest transmitters for

HAT-5 on 9650 kcs. is another of South American transmissions. They broadcast from 5:35-7 p.m. (Sullivan-Mass., Coyle-Pa.)

#### Iceland

The transmission of the Rykjavik shortwave transmitter has been suspended indefinitely due to present condition on 208 kcs. continues on regular world conditions. The longwave schedule. (Jansen-Netherlands)

#### India

VUD-2 on 9590 kcs. has been heard from 7 a.m. to 7:45 a.m. WBOS blocks the announcement at 7 and 7:30 a.m., but the English news comes in good. "Here in India" is mentioned often in news items. (Kempton-Mass.)

VUM-2 on 11870 kcs. gives news in English at 7:30 a.m., (along with VUM-2 on 4920 kcs., VUD-2 on 9590 kcs., VUD-2 on 4960 kcs., VUB-2 on 4880 kcs., and VUC-2 on 4840 kcs. (Shanks-Tenn.)

There is an All India Radio Station on the 25 meter band on the air every morning at 6 A.M. with an R6 signal at beginning and increases to an R7 signal at 6:30 A.M. I would like very much to know where it is located. (Long-Ga.) (Must be VUM-2 on 11-870 kcs.—RL)

#### Ireland

Athlone shortwave station on 9595 kcs. daily relays the medium wave station at Athlone "Radio Eireann" from 6:30 A.M. to 8 A.M. The station comes in here (Netherlands) with a good signal, but frequently sings off at about 8:45 A.M. The only full station identification is made when they come on at 6:30 A.M. On Sundays the shortwave station apparently operates from 6 to 9. (Jansen-Netherlands)

The Irish shortwave station is heard until 5 P.M. -Lady and man announcers. (Shanks-Tenn.)

Athlone on 17840 kcs. from 7:30 to 8:30 A.M. and 9 to 10 A.M. (Dawson-Ont.)

#### Italy

12RO 3 Rome on 9630 kcs. announces program for Australia and New Zealand 1 A.M. to 2:30 A.M. (Wells-Ont.)



IRF Rome, Italy was heard 7:10 calling WQO in New York with an R8 signal. Also WET in New York was heard lately contacting HBT in Geneva, Switzerland, their signal was with an R6-7 signal. RPQ is located R7 and PRQ also was heard along in Rio de Janeiro, Brazil. (Long-Ga.)

2RO4 on 11810 kcs. Sign off at 1:35 P.M. on Friday and announce schedule for balance of day. (Hankins-Pa.)

2RO6 on 15300 kcs. News in English at 10:45 A.M. and they give station announcements in English at 11 A.M. then continues transmitting in Italian. (Hankins-Pa.)

12RO-3, and 12RO-6 were heard in parallel broadcasting the American Hour at 8 p.m. (Bendes-Pa.)

Unidentified station in Rome on 15-230 kcs. seems to come on the air with the other 2RO stations at 10 a.m. (Webb-Teas)

#### Japan

JVL on 11660 kcs. heard R7 at 8 a.m. on a Saturday. (Shanks-Tenn.)

JZJ on 11800 kcs. is on from 7:30-8:30 p.m. A program consisting of American fox-trots heard from 9-9:30 a.m. (Hathaway - Ill., Shanks - Tenn., Jewell-Calif.)

JZK on 15160 kcs. is now sending veries. A card was received along with monthly broadcast report for North America. (Forrest-Okla.)

#### Java

PLP on 1100 kcs. is heard with good signals up to 7:30 p.m. when it fades.

PMN on 10260 kcs. is also heard in parallel, but with much weaker signal. Address for both stations: N.I R.O.M., Batavia, Java, Netherlands Indies. Verification is a beautiful picture folder. (Jewell-Calif.)

#### Mexico

XETA on 9555 kcs. is on the air from Monterrey nightly from 5 p.m. to midnight. (Williams-N.J., Webb-Texas)

XEWV on 9500 kcs. is heard with R9 signals nightly up to 11:30 p.m. (Jewell-Calif.)

#### Mozambique

CR7BE on 9640 kcs. at Lourenço Marques is especially used to send programs to Angola, Portugal, and Europe and is heard beautifully with daily transmissions from 2-4 p.m. Announcements are in Portuguese and English. CR 7BE has a woman announcer and uses chimes for stand by signal. (Jansen-Netherlands)

CR7BE on 9640 kcs. is heard on Saturdays at 2 P. M. comes in as good as any European station with an R9 plus signal no interference as 2RO is not on. (Hathaway-Ill., Kempton-Mass., Caldwell-Mass., and Hoadley-Ont.)

CR7BD on 1966 kcs. and 15255 kcs., CR7BH on 2560 kcs. and 11718 kcs.,

CR7AA on 6035 kcs. and 6137 kcs., CR7BE on 3110 and 9645 kcs., and CR7AB on 8592 kcs. and 3490 kcs., CR 7BG on 1962 and 15285 kcs. are the stations in Lourenço Marques. Transmitter is at Matola and has 10 kw. Stations are intended for World wide coverage. Reports are requested. (Butcher-Port. E. Africa)

#### Netherlands

PCJ—Persons desiring to tune this station should try 9590 kcs. on Tuesday between 9:20 P.M. and 9:40 P.M. before and after this GSC on 9580 kcs. causes too much interference along with DXB. (Bonifield-N.J.)

#### Newfoundland

VONF in St. John Newfoundland was heard Thursday night on the 49 meter band with a good signal about and R6-7 with a news program at 6:15 and advertisements and music. The announcer announced VONF and VONG, with VONE relaying VONG. (Long-Ga.)

#### Norway

Official schedules of stations; LKJ-2 on 6130 kcs. has no schedule indicated as does LLG on 9610 kcs. LKQ on 11735 kcs. is on from 2 to 2:10 A.M. and from 5:15 to 8:50 A.M. LKV on 15170 kcs. is on from 11 A.M. to 1:30 P.M. and LLH on 9645 kcs. from 1:30 P.M. to 4 P.M. (Jansen-Netherlands)

**Philippine Islands**

KZRH on 9.630 kcs. at Manila is heard with good signals from 7 A.M. on. There slogan is the "Voice of the Philippines". (Kempton-Mass.)

KZIB on 9500 kcs. at Manila verified with a nice long letter stating that thus far I was the only one in Alabama that who had correctly reported the station. KZIB is an American owned station and is located atop the Crystal Arcade Building and owned by I. Beck, Inc., P. O. Box 440, Manila. (Jewell-Calif.)

**Portugal**

CSW-7 now broadcasts an English program from 3 to 3:30 P.M. on Saturday afternoons. CSW-7 is on 9740 kcs. instead of 9735 kcs. as listed in RADEX. They asked for reports and suggestions. (Jewell-Calif., and Bendes-Pa.)

**Salvador**

YSD on 7890 kcs. signing off at 10:45 P.M. February 8th with marimba music. (Wells-Ont., Jewell-Calif.)

**Spain**

EAQ in Madrid, Spain on 9860 kcs. Schedules are; Sunday 5 P. M. to 9 P.M. daily 5 P.M. to 7:30 P.M. and Saturdays from 1 to 3 P.M. There is a new transmission for Africa ending at 2 P.M. Exact schedule is not known. EAQ does not identify as Radio Nacional but rather as Radio Espana. (Long-Ga., Kastner-Texas, Jansen-Netherlands, Dolbow-Mo., and Horlick-Ohio)

EA2BH of Jaca on 7177 kcs., according to date received, is on daily from 10:30 to 11:15 A.M. (Jansen-Netherlands)

**Sweden**

Would appreciate accurate information on SBP and SBT concerning their "suposed to be" daily schedule at 1 P.M. Have listened for them several times and have heard stations in parallel on those frequencies, but have never been able to get English announcements for positive identification. Also they are not heard everyday but have heard them on Tuesday and Fridays only. (Hankins-Pa.)

The Swedish shortwave stations are transmitting, since some time back, every evening from 8 to 9 over SBU on 9535 kcs. and SBP on 11705 kcs. News in English at sign on soon after 8. (Jewell-Calif., Magnuson-R.I.)

**Switzerland**

HBQ on 6675 kcs. heard February 2nd relaying Belgrade to New York. thru WQO Little Neck, New Jersey. Also on irregular mornings at 7:45 HBH and HBJ Geneva contacts WEB, New York, operating on about 14750 kcs. for the same type of program. (Wells-Ont., Webb-Texas, and Gerran-N.Y.)

**Tahiti**

FO8AA on 7090 kcs. at Papeete verified just recently after a wait of 17 months! Card is white with large red call letters and blue print. Printed in French, the card is signed by Alf Poroi, President. (Jewell-Calif.)

**Turkey**

TAP on 9465 kcs. in Ankara is heard in the afternoon from 2:30-4:30 p.m. with a very good signal. Both man and woman announcers are used. Reports were requested to be sent to the Turkish Broadcasting Corporation. (Long-Ga., and Shanks-Tenn.)

**Uruguay**

CXA-6 on 9625 kcs. at Montevideo, heard between 8:30 and 9 p.m. Spanish announcements only and symphony music featured. (Burnham-Mass., Webb-Texas)

**U. S. A.**

WCBX on 11830 is on daily from 1-6 p.m. with news in English at 1:30 p.m. (Horlick-Ohio)

WGEA on 15330 kcs. announces they are on from 8 a.m. to 6 p.m. for Europe. (Hathaway-Ill.)

WLWO on 6060 kcs. is on daily from 8 a.m. to 7 p.m. (Horlick-Ohio)

WPIT on 11870 kcs. signs off at 10 p.m. and goes on at 10:03 p.m. on 6140 kcs. (Horlick-Ohio)

WRUL on 6040 kcs. in Boston was heard testing January 21 with TGIX from 2:30-3:05 a.m. They dedicated "South of The Border" to Mr. Spatari

and the boys at TGIX. WRUL verifies with a white car dand blue lettering. (Wells-Ont., Catalano-Ill.)

**U. S. S. R.**

RAN on 9600 kcs. at Moscow heard with news and talks in English from 7 p.m. daily. (Jewell-Calif.)

RKI on 15080 kcs. is heard with English program from 7-8 p.m., but RM has interfered greatly with this broadcast lately. (Jewell-Calif.)

RV-96 on 15182 kcs. was heard with a speach in English about an Italian statesman from 8:8:30 p.m. A lady announced the program. Songs in Russian followed. (Bendes-Pa.)

**Venezuela**

YV3RX on 4990 kcs. at Barquisimeto, Venezuela heard from 6:30-9:30 p.m. daily and signs off with "Beer Barrel Polka" (Laudansky-Mass.)

YV1RU on 4810 kcs. (ex YV7R-MO), P. O. Box 100, Maracaibo is known as "Radiodifusora Maraibo". Sr. Luis Mantellini is no longer with the station .Sr. Feria Rincon is now the proprietor, owner and veri singer Senior Rincon seems very pleasant and writes that he will be glad to receive new reports in the futuer. (Dissinger-Kans.)

**Yugoslavia**

"Radio Belgrade" on 9505 kcs. is heard with a good signal from 4-5:30 p.m. (Shanks-Tenn., and Butcher-Portuguese W. Africa)

**RADEX REPORTERS**

R7, Pa. 1: A. M. Hankins, Latrobe, Penna.

R49: Davis Hill, Washington, D. C.

R152: Matty Williams, Newark, N. J.

R451: Chet Roman, Chicago, Ill.

R638 Vt. 5: Edward H. Draper, West Burke, Vt.

R771: Jack Hathaway, Danville, Ill.

R800: Myron Ksenich, Lorain, Ohio.

R803: Chas. Gerran, Jamestown, N. Y.

R834: G. R. Jewell, Jr. Los Angeles, Cal.

R849: Kenneth Brown, Hyde Park, Mass.

R946: Bertram Podall, Gilman, Vt.

R1088: Ralph Kastner, New Braunfels, Texas.

R1132: C. R. Bendes, Pittsburgh, Pa. R1273; Ga. 5: John D. Long, Dalton, Georgia.

R1312: Lester E. Balcome, Malden, Mass.

R1318: Kyle C. Bonifield, Asbury Park, N. J.

R1319: Alton L. Caldwell, Brockton, Mass.

R1342: Henry Bennett, Collingswood, N. J.

R1404: Bee Catalano, Chicago, Ill.

R1412: Helen H. Lind, Lakewood, Ohio.

R1441: L. F. Dalbow, Kansas City, Kansas.

R1470: Stephenson, Oklahoma City, Oklahoma.

R1566: Roy Woollacott, Rochester, N. Y.

R1632: Clarence Burnham, Gloucester, Mass.

R1661: Dawson Hoadley, Ontario, Canada.

C. R. Bendes, Pittsburgh, Pa.

W. H. Brash, Washington, D. C.

Eric Butcher, Beira Portuguese, East Africa.

Charles L. Carroll, Rahway, N. J.

Isaac T. Davis, Elkhart, Texas.

Ray Dissinger, Lawrence, Kansas.

Forest S. Fisher, Battle Creek, Mich.

Artie Fleming, Parkville, Mo.

Ernest R. Forrest, Oklahoma City, Oklahoma.

Gil Harris, North Adams, Mass.

Joseph H. Horlick, Youngstown, Ohio.

Anton Jensen, Boskoop, Netherlands.

Rudolph D. Juet, Madison, Ind.

A. L. Kempton, Harding, Mass.

Edward Loudansky, Dorchester, Mass.

Gustave A. Magnuson, Providence, P. P. Malley, Pittsburgh, Pa.

**R. I.**

Charles Meyers, Chicago, Ill.

Alfred Mozzi, Menden, Conn.

Carlos Ramirez G, Havana, Cuba.

F. P. Rogers, Jamestown, N. Y.

John H. Sanders, Williamsport, Pa.

Joseph Schwartz, Bronx, N. Y.

John A. Shanks, Russellville, Tenn.

T. J. Soto, Chicago, Ill.

(Continued on page 53)

## The Monthly Frequency Checks

FOR the purpose of checking the frequencies of small stations which cannot be heard satisfactorily on their regular daily transmissions, the Federal Communications Commission requires monthly monitoring broadcasts from a selected group of stations. Following is the latest available. All time is am., Eastern Standard.

### Second Monday

2:55-3:10	1310	WBRK Pittsfield, Mass.	4:45-5:00	1370	KFGQ Boone, Iowa
3:00-3:15	1370	WABY Albany, N. Y.	4:50-5:05	1420	KRBC Abilene, Texas
3:05-3:20	1420	WMAS Springfield, Mass.	4:55-5:10	1200	KGHI Little Rock, Ark.
3:10-3:25	1200	WCAX Burlington, Vt.	5:00-5:15	1370	KTEM Temple, Texas
3:15-3:30	1370	WRDO Augusta, Maine	5:05-5:20	1390	KABR Aberdeen, S. D.
3:20-3:35	1420	WAGM Presque Isle, Me.	5:10-5:25	1200	KGEK Sterling, Colo.
3:25-3:40	1210	WHAI Greenfield, Mass.	5:15-5:30	1370	KFJZ Fort Worth, Tex.
3:30-3:45	1390	WQDM St. Albans, Vt.	5:20-5:35	1420	WMBH Joplin, Mo.
3:35-3:50	1310	WMFF Plattsburg, N. Y.	5:25-5:40	1200	WIL St. Louis, Mo.
3:45-4:00	1220	WCAD Canton, N. Y.	5:30-5:45	1370	WOC Davenport, Iowa.
3:45-4:00	1500	KVWC Vernon, Texas	5:35-5:50	1420	KABC San Antonio, Tex.
3:50-4:05	1310	WLNH Laconia, N. H.	5:40-5:55	1200	KADA Ada, Oklahoma
3:55-4:10	1200	WIBX Utica, N. Y.	5:45-6:00	1370	KLUF Galveston, Texas
4:00-4:15	1500	WWRL Woodside, N. Y.	5:50-6:05	1190	KTKC Visalia, Calif.
4:00-4:15	1370	KVRS Rock Springs, Wyo.	5:55-6:10	1400	KHBC Hilo, Hawaii.
4:05-4:20	1310	WMBO Auburn, N. Y.	6:00-6:15	1370	KRE Berkeley, Calif.
4:10-4:25	1210	WBRB Red Bank, N. J.	6:05-6:20	1500	KXO El Centro, Calif.
4:10-4:25	1420	KDNT Denton, Texas	6:10-6:25	1200	KGW Stockton, Calif.
4:15-4:30	1500	KPAB Laredo, Texas	6:15-6:30	1370	KERN Bakersfield, Calif.
4:20-4:35	1310	KVOX, Moorhead, Minn.	6:20-6:35	1420	KUMA Yuma, Arizona.
4:25-4:40	1210	KFPW Fort Smith, Ark.	6:25-6:40	1200	KVCV Redding, Calif.
4:30-4:45	1370	WMIN St. Paul, Minn.	6:30-6:45	1280	KLS Oakland, Calif.
4:35-4:50	1420	KNET Palestine, Texas	6:35-6:50	1040	KYOS Merced, Calif.
4:40-4:55	1200	WBBZ Ponca City, Okla.	6:40-6:55	1200	KSUN Lowell, Arizona.
			6:45-7:00	1100	KGDM Stockton, Calif.
			6:50-7:05	1450	KIEM Eureka, Calif.

6:55-7:10	1200	KVEC San Luis Obispo	4:05-4:20	610	WCLE Cleveland, Ohio.
7:00-7:15	1310	KARM Fresno, Calif.	4:10-4:25	1210	KALB Alexandria, La.
7:05-7:20	1420	KGLU Safford, Arizona	4:10-4:25	1310	WLBC Muncie, Indiana.
<b>Second Tuesday</b>					
2:55-3:10	1210	WRAL Raleigh, N. C.	4:15-4:30	1370	KELD El Dorado, Ark.
3:00-3:15	1310	WSJS Winston-Salem, N. C.	4:15-4:30	1500	WOPI Bristol, Tenn.
3:05-3:20	1420	WMFJ Daytona Beach, Fla.	4:15-4:30	1200	WWAE Hammond, Indiana
3:10-3:25	1200	WAIM Anderson, S. C.	4:20-4:35	1420	WACO Waco, Texas.
3:15-3:30	1370	WMFD Wilmington, N. C.	4:20-4:35	1410	WBCM Bay City, Mich.
3:20-3:35	1420	WEED Rocky Mount, N. C.	4:25-4:40	1440	KXYZ Houston, Texas.
3:25-3:40	1200	WJNO West Palm Beach, Florida.	4:25-4:40	1210	WSIX Nashville, Tenn.
3:25-3:40	1210	WJMC Rice Lake, Wis.	4:25-4:40	1310	WCMI Ashland, Ky.
3:30-3:45	1500	WRDW Augusta, Georgia.	4:30-4:45	1370	KGKL San Angelo, Tex.
3:35-3:50	610	WIOD Miami, Florida.	4:30-4:45	1200	WHBY Green Bay, Wis.
3:35-3:50	940	WICA Ashtabula, Ohio.	4:35-4:50	1420	KCMC Texarkana, Texas
3:40-3:55	1200	WAYX Waycross, Ga.	4:35-4:50	1310	KSGN Birmingham, Ala.
3:40-3:55	1210	WLOK Lima, Ohio.	4:35-4:50	1390	WHK Cleveland, Ohio.
3:45-4:00	1500	WDNC Durham, N. C.	4:40-4:55	1260	KRGV Weslaco, Texas
3:45-4:00	1370	WPAY Portsmouth, Ohio	4:40-4:55	1210	WCOV Montgomery, Ala.
3:50-4:05	1250	WAIR Winston-Salem, N. C.	4:40-4:55	1320	WADC Akron, Ohio.
3:55-4:10	1310	KWOC Poplar Bluff, Mo.	4:45-5:00	1370	KTOK Oklahoma City, Okla.
3:55-4:10	1200	WMFR High Point, N. C.	4:45-5:00	1200	WJHL Johnson, City, Tenn.
3:55-4:10	1210	WALR Zanesville, Ohio	4:45-5:00	1500	WJBK Detroit, Mich.
4:00-4:15	1500	WHBB Selma, Alabama.	4:50-5:05	1420	KGFF Shawnee, Okla.
4:00-4:15	550	WKRC Cincinnati, Ohio	4:55-5:10	1210	KFVS Cape Girardeau, Mo.
4:05-4:20	1420	KFAM St. Cloud, Minn.	5:00-5:15	1370	KMAC San Antonio, Texas
			5:05-5:20	1310	KAND Corsicana, Tex.

5:10-5:25	1210	KLAH	Carlsbad, N. Mexico	3:25-3:40	1210	WBAX	Wilkes-Barre, Pa.
5:15-5:30	1370	KIUP	Durango, Colo.	3:30-3:45	1310	WHAT	Philadelphia, Pa.
5:20-5:35	1310	KOCY	Oklahoma City, Okla.	3:35-3:50	1500	WRTD	Richmond, Va.
5:25-5:40	1210	KDLR	Devils Lake, N. D.	3:40-3:55	1210	WBBL	Richmond, Va.
5:30-5:45	1370	KICA	Clovis, N. Mexico	3:45-4:00	1370	WBNY	Buffalo, N. Y.
5:35-5:50	1320	KGMB	Honolulu, Hawaii	3:45-4:00	1310	KOME	Tulsa, Oklahoma.
5:40-5:55	1200	KBTM	Jonesboro, Ark.	3:50-4:05	1410	WHIS	Bluefield, W. Va.
5:45-6:00	1370	KRMC	Jamestown, N. D.	3:50-4:05	1500	KWEW	Hobbs, New Mexico
6:05-6:20	1420	KORE	Eugene, Oregon.	3:55-4:10	1210	WKOK	Sunbury, Pa.
6:10-6:25	1200	KOOS	Marshfield, Ore.	4:00-4:15	1310	WFBG	Altoona, Pa.
6:20-6:35	1500	KPQ	Wenatchee, Wash.	4:05-4:20	1420	KRIC	Beaumont, Texas.
6:25-6:40	1200	KFXD	Nampa, Idaho	4:05-4:20	880	WQAN	Scranton, Pa.
6:30-6:45	1370	KUJ	Walla Walla, Wash.	4:05-4:20	1500	WGIL	Galesburg, Ill.
6:35-6:50	1500	KRNR	Roseburg, Ore.	4:10-4:25	1200	KWNO	Winona, Minn.
6:40-6:55	1200	KVOS	Bellingham, Wash.	4:10-4:25	1400	WHDL	Olean, N. Y.
6:45-7:00	1370	KEEN	Seattle, Wash.	4:15-4:30	1330	KRIS	Corpus Christi, Tex.
6:55-7:10	780	KWLK	Longview, Wash.	4:15-4:30	1310	WEBR	Buffalo, N. Y.
7:00-7:15	1370	KRKO	Everett, Wash.	4:15-4:30	1370	WIBM	Jackson, Mich.
7:05-7:20	1420	KLBM	La Grande, Ore.	4:20-4:35	1500	KBST	Big Spring, Texas
7:10-7:25	1200	KAST	Astoria, Ore.	4:20-4:35	1420	WPAR	Parkersburg W. Va.
		<b>Second Wednesday</b>		4:25-4:40	1430	KSO	Des Moines, Iowa
2:55-3:10	1200	WEST	Easton, Pennsylvania	4:25-4:40	1250	WKST	New Castle, Pa.
3:00-3:15	1310	WTEL	Philadelphia, Pa.	4:25-4:40	1200	WCLO	Janesville, Wis.
3:05-3:20	1500	WBNF	Binghamton, N. Y.	4:30-4:45	1310	KROC	Rochester, Minn.
3:10-3:25	1200	WLVA	Lynchburg, Va.	4:30-4:45	780	WPIC	Sharon, Pa.
3:15-3:30	1310	WSAJ	Grove City, Pa.	4:30-4:45	1370	WEOA	Evansville, Ind.
3:20-3:35	1500	WWSW	Pittsburgh, Pa.	4:35-4:50	1500	KDAL	Duluth, Minn.



4:35-4:50	1210	WJLS Beckley, W. Va.	3:00-3:15	1500	<b>Second Thursday</b> WKAT Miami Beach, Fla.
4:35-4:50	1420	WELL Battle Creek, Mich.	3:05-3:20	1200	WJRD Tuscaloosa, Ala.
4:40-4:55	1120	WTAW College Sta, Tex.	3:10-3:25	1210	WSOC Charlotte, N. C.
4:40-4:55	1200	WHBC Canton, Ohio.	3:15-3:30	1310	WAML Laurel Miss.
4:45-5:00	1310	KRMD Shreveport, La.	3:20-3:35	1370	WPRA Mayaguez, P. R.
4:45-5:00	1370	WSAU Wausau, Wis.	3:25-3:40	1210	WPAX Thomasville, Ga.
4:50-5:05	1500	KNEL Brady, Texas	3:30-3:45	560	WQAM Miami, Florida.
4:50-5:05	1420	WLAP Lexington, Ky.	3:35-3:50	1420	WPRP Ponce, P. R.
4:55-5:10	560	KFDM Beaumont, Texas.	3:40-3:55	1200	WFTC Kinston, N. C.
4:55-5:10	1200	WFAM South Bend, Ind.	3:45-4:00	1240	WKAQ San Juan, P. R.
5:00-5:15	1310	KPDN Pampa, Texas.	3:50-4:05	1440	WBIG Greensboro, N. C.
5:00-5:15	1370	WHLS Port Huron, Mich.	3:50-4:05	1500	WDAN Danville, Ill.
5:05-5:20	1500	KPLT Paris, Texas	3:55-4:10	1210	WFOY St. Augustine, Fla.
5:05-5:20	1420	WCBS Springfield, Ill.	4:00-4:15	1370	WAGF Dothan, Ala.
5:10-5:25	570	KGKO Fort Worth, Texas	4:05-4:20	1500	KPLC Lake Charles, La.
5:15-5:30	1310	KFPL Dublin, Texas.	4:05-4:20	1310	WFDF Flint, Mich.
5:15-5:30	1370	WDWS Champaign, Ill.	4:10-4:25	1210	WGRM Grenada, Miss.
5:15-5:30	1500	KAWM Gallup, N. Mexico	4:10-4:25	1340	WSPD Toledo, Ohio.
5:20-5:35	1420	WPAD Paducah, Ky.	4:15-4:30	1370	WMFO Decatur, Ala.
5:25-5:40	1210	KGLO Mason City, Iowa	4:15-4:30	1200	WCPO Cincinnati, Ohio
5:25-5:40	1200	WJBC Bloomington, Ill.	4:20-4:35	1500	WKEU Griffin, Ga.
5:30-5:45	1310	KRRV Sherman, Texas	4:20-4:35	1420	KFIZ Fond du Lac, Wis.
5:30-5:45	1370	WGL Fort Wayne, Ind.	4:25-4:40	1210	WGCM Gulfport, Miss.
5:35-5:50	1500	KGKY Scottsbluff, Neb.	4:25-4:40	630	WGBF Evansville, Ind.
5:40-5:55	1210	WIBU Poynette, Wis.	4:30-4:45	1310	KFYO Lubbock, Texas
5:45-6:00	1310	KRBA Lufkin, Texas.	4:30-4:45	1370	WFOR Hattiesburg, Miss.

4:30-4:45	940	WAVE Louisville, Ky.	5:55-6:10	1210	KIUL Garden City, Kan.
4:35-4:50	1410	KFJM Grand Forks, N. D.	5:55-6:10	1260	KVOA Tucson, Arizona
4:35-4:50	1430	WMPS Memphis, Tenn.	6:00-6:15	1200	KVNU Logan, Utah.
4:35-4:50	1500	WTMV East St. Louis, Ill.	6:05-6:20	1310	KHUB Watsonville, Calif.
4:40-4:55	1240	KGCU Mandan, N. Dak.	6:10-6:25	1420	KSAN San Francisco, Calif.
4:40-4:55	1200	WBHP Huntsville, Ala.	6:15-6:30	1370	KGAR Tucson, Arizona.
4:40-4:55	1380	KQV Pittsburgh, Pa.	6:20-6:35	1310	KSRO Santa Rosa, Calif.
4:45-5:00	1310	KWOS Jefferson City, Mo.	6:25-6:40	740	KTRB Modesto, Calif.
4:45-5:00	880	WCOC Meridian, Miss.	6:30-6:45	1070	KJBS San Francisco, Calif.
4:45-5:00	1370	WGRC New Albany, Ind.	6:35-6:50	1310	KSUB Cedar City, Utah
4:50-5:05	1500	KOTN Pine Bluff, Ark.	6:40-6:55	1210	KDON Monterey, Calif.
4:55-5:10	760	WEW St. Louis, Mo.	6:45-7:00	750	KGU Honolulu, T. H.
4:55-5:10	1420	WJMS Ironwood, Mich.	6:50-7:05	1260	KHSL Chico, Calif.
5:00-5:15	1320	KGHF Pueblo, Colo.	6:55-7:10	1210	KROY Sacramento, Calif.
5:00-5:15	1370	WHDF Calumet, Mich.	3:00-3:15	1370	<b>Second Friday</b> WSVS Buffalo, N. Y.
5:05-5:20	1500	KGFI Brownsville, Texas	3:05-3:20	1310	WJAC Johnstown, Pa.
5:05-5:20	1310	WTRC Elkhart, Indiana	3:10-3:25	1210	WJTN Jamestown, N. Y.
5:10-5:25	1210	KHBG Okmulgee, Okla.	3:15-3:30	1370	WBLK Clarksburg, W. Va.
5:15-5:30	1370	KONO San Antonio, Tex.	3:20-3:35	1420	WLEU Erie, Pa.
5:20-5:35	1500	KGKB Tyler, Texas.	3:25-3:40	1280	WCAP Asbury Park, N. J.
5:25-5:40	1210	KASA Elk City, Okla.	3:25-3:40	1210	WSAY Rochester, N. Y.
5:30-5:45	1370	KFRO Longview, Texas	3:30-3:45	550	WDEV Waterbury, Vt.
5:35-5:50	1500	KNOW Austin, Texas	3:30-3:45	1310	WGH Newport News, Va.
5:40-5:55	1210	WMFG Hibbing, Minn.	3:35-3:50	1500	WCNW Brooklyn, N. Y.
5:45-6:00	1420	KRLH Midland, Texas.	3:35-3:50	1420	WMSB Uniontown, Pa.
5:50-6:05	1310	KCRJ Jerome, Arizona	3:40-3:55	1210	WFAS White Plains, N. Y.

## RADEX

41

3:40-3:55	1350	WMBG Richmond, Va.	4:45-5:00	1310	WEXL Royal Oak, Mich.
3:45-4:00	1430	WOKO Albany, N. Y.	4:50-5:05	1500	WOMI Owensboro, Ky.
3:45-4:00	1310	WRAW Reading, Penn.	4:55-5:10	1200	KFJB Marshalltown, Ia.
3:50-4:05	1500	WSYB Rutland, Vt.	5:00-5:15	1230	KGGM Albuquerque, N. M.
3:50-4:05	1370	WDAS Philadelphia, Pa.	5:00-5:15	1310	WBEO Marquette, Mich.
3:55-4:10	1210	KWJB Globe, Arizona.	5:05-5:20	1420	KGIW Alamosa, Colo.
3:55-4:10	1290	WNBZ Saranac Lake, N. Y.	5:05-5:20	1500	WKBV Richmond, Ind.
3:55-4:10	570	WSYR Syracuse, N. Y.	5:10-5:25	1200	KGDE Fergus Falls, Minn.
4:00-4:15	1310	WBRE Wilkes-Barre, Pa.	5:15-5:30	1370	KGFL Roswell, N. Mexico
4:05-4:20	1500	WNLC New London, Conn.	5:15-5:30	1310	WEMP Milwaukee, Wis.
4:05-4:20	1370	WBTM Danville, Va.	5:20-5:35	1420	KEUB Price, Utah.
4:10-4:25	1210	WGBB Freeport, N. Y.	5:25-5:40	1200	WCAT Rapid City, S. D.
4:10-4:25	1430	WHEC Rochester, N. Y.	5:35-5:40	1210	WEBQ Harrisburg Ill.
4:15-4:30	1200	WTHT Hartford, Conn.	5:30-5:45	1370	KWYO Sheridan, Wyoming
4:15-4:30	1420	WAZL Hazleton, Pa.	5:35-5:50	1420	KIDW Lamar, Colo.
4:20-4:35	1500	WMBQ Brooklyn, N. Y.	5:40-5:55	1200	KFXJ Grand Junction, Colo.
4:20-4:35	1370	WRAC Williamsport, Pa.	5:45-6:00	1230	KGBX Springfield, Mo.
4:25-4:40	1220	WGNV Newburg, N. Y.	5:50-6:05	1310	KVSF Santa Fe, N. Mexico
4:25-4:40	1310	WBOW Terre Haute, Ind.	5:55-6:10	1370	KOKO La Junta, Colo.
4:30-4:45	1200	WJBL Decatur, Ill.	3:30-3:45	1420	<b>Second Saturday</b> WGNC Gastonia, N. C.
4:35-4:50	1420	KATE Albert Lea, Minn.	3:30-3:45	1200	WTOL Toledo, Ohio.
4:35-4:50	1500	WKBB Dubuque, Iowa.	3:35-3:50	1500	WKBZ Muskegon, Mich.
4:35-4:50	1370	WBTH Williamson, W. Va.	3:40-3:55	1210	WJW Akron, Ohio.
4:40-4:55	890	KARK Little Rock, Ark.	3:45-4:00	1420	WNOE New Orleans La.
4:40-4:55	1210	WJIM Lansing, Mich.	3:45-4:00	1430	WBNS Columbus Ohio.
4:45-5:00	1370	WHLB Virginia, Minn.	3:50-4:05	1200	WOLS Florence S. C.

3:50-4:05	1450	WGAR Cleveland Ohio.	4:40-4:55	1310	WTJS Jackson, Tenn.
3:55-4:10	1500	KSAM Huntsville Tex.	4:40-4:55	1210	WTAX Springfield, Ill.
3:55-4:10	1310	WLAK Lakeland, Fla.	4:45-5:00	1290	KLCN Blytheville, Ark.
3:55-4:10	1210	WCOL Columbus, Ohio.	4:45-5:00	1370	WMBR Jacksonville, Fla.
4:00-4:15	1360	WQBC Vicksburg, Miss.	4:45-5:00	1200	WMPC Lapeer, Mich.
4:00-4:15	1070	WCAZ Carthage, Ill.	5:50-5:05	1270	KGCA Decorah, Iowa.
4:05-4:20	1120	WJBO Baton Rouge, La.	4:50-5:05	1420	WSLI Jackson, Miss.
4:05-4:20	1380	WING Dayton, Ohio.	4:50-5:05	1050	WEAU Eau Claire, Wis.
4:10-4:25	1500	KUTA Salt Lake City, Utah.	4:55-5:10	1210	KOCA Kilgore, Texas.
4:10-4:25	1310	WTAL Tallahassee, Fla.	4:55-5:10	1310	KVOL Lafayette, La.
4:10-4:25	1210	WOMT Manitowoc, Wis.	5:00-5:15	1500	KBIX Muskogee, Okla.
4:15-4:30	1370	KIUN Pecos, Texas.	5:05-5:20	1260	KPAC Port Arthur, Tex.
4:15-4:30	1290	WNEL San Juan, P. R.	5:05-5:20	1370	WHBQ Memphis, Tenn.
4:15-4:30	570	WOSU Columbus, Ohio.	5:10-5:25	1210	KANS Wichita, Kansas
4:20-4:35	1420	WMSD Muscle Shoals City, Ala.	5:10-5:25	1310	WROL Knoxville, Tenn.
4:20-4:35	1020	WDZ Tuscola, Ill.	5:15-5:30	1290	KTRH Houston, Texas
4:25-4:40	1500	KYSM Mankato, Minn.	5:15-5:30	1200	KMLB Monroe, La.
4:25-4:40	1310	WGTM Wilson, N. C.	5:20-5:35	1360	KLPM Minot, N. Dak.
4:25-4:40	1210	WHBU Anderson, Ind.	5:20-5:35	1420	WHMA Anniston, Ala.
4:30-4:45	1450	KCMO Kansas City, Mo.	5:25-5:40	1210	KVSO Ardmore, Okla.
4:30-4:45	1200	WJBW New Orleans, La.	5:25-5:40	1500	WSTP Salisbury, N. C.
4:30-4:45	570	WKBN Youngstown, Ohio.	5:30-5:45	1270	KWLC Decorah, Iowa
4:35-4:50	1010	WNAD Norman, Okla.	5:35-5:50	1310	KTSM El Paso, Texas
4:35-4:50	1420	WGCP Albany, Georgia.	5:40-5:55	1210	KWTN Watertown, S. Dak.
4:35-4:50	1240	WXYZ Detroit, Mich.	5:45-6:00	760	WLB Minneapolis, Minn.
4:40-4:55	1500	KOVC Valley City, N. D.	5:50-6:05	1370	KOHB Rapid City, S. Dak.

5:55-6:10	1210	KPFA Helena, Mont.	6:30-6:45	1310	KXRO Aberdeen, Wash.
6:00-6:15	1250	KIT Yakima, Wash.	6:35-6:50	1450	KGCX Wolf Point, Mont.
6:05-6:20	900	KGBU Ketchikan, Alaska	6:40-6:55	1120	KFIO Spokane, Wash.
6:10-6:25	1210	KFJI Klamath Falls, Ore.	6:45-7:00	1430	KINY Juneau, Alaska
6:15-6:30	1310	KGEZ Kalispell, Mont.	6:50-7:05	780	KFQD Anchorage, Alaska
6:25-6:40	1210	KGY Olympia, Wash.	6:55-7:10	1390	KRLC Lewiston, Idaho

## DXer's Appointment Calendar

The time shown in this Calendar is EST. For CST, subtract 1 hour; for MST, subtract 2 hours; for PST, subtract 3 hours; for GMT, add 5 hours.

Clubs: Newark News Radio Club (NNRC); Universal Radio DX Club (URDXC); National Radio Club (NRC); International DXers Alliance (IDA); DXers International Exchanges Club (DXIEC); World DX Alliance (WDXA).

### Regular DX Programs

- First day of month, 4-4:30 am, WPAY, 1370 kcs., Portsmouth, Ohio.
- Last day of month, 3-5 am, KWSC, 1220 kcs., Pullman, Wash.
- Every Saturday, 2-3 am, WMBI, Chicago, Ill., 1080 kcs.
- Every Saturday, 2:30-2:45 am, KLS, 1280 kcs., Oakland, Calif.
- Every Saturday, 10:15-10:30 am, WEEU, 830 kcs., Reading, Pa.
- Every Saturday at 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari—10c for veries).
- Every Saturday, 4:15-4:45 pm, W2XJI, 26300 kcs., Newark, N. J. (NNRC tips).
- Every Saturday, 10 pm, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).
- Every Sunday, 2-2:30 am, TG1 on 1310 and TG2 on 6190 kcs., Guatemala City, Guat.
- Every Sunday, 3-5 am, CKLN, Nelson, B. C., 1420 kcs.
- Every Sunday, 10:15-10:45 am, CFCO, 630 kcs., Chatham, Ont.
- Every Sunday, 3-5 am, XEAC, 980 kcs., Tijuana, B. Cfa.
- Every Sunday, 12:30-1 am, TGQA on 6400 and TGQ on 1450 kcs., Quetzaltenango, Guatemala. (Spatari program, all reports verified free).
- First Sunday, at 1 am, YN3DG, 13900 kcs., Leon, Nicaragua. (Spatari program).

First and Third Sunday, 2-4 am, WJBO, 1120 kcs., Baton Rouge, La.

Every Tuesday, 11:45 am-noon, W9XA, 24450 kcs., Kansas City, Mo.

Every Wednesday, 12:30 am, KOY, 1390 kcs., Phoenix, Ariz.

First and Third Wednesday, 1:45-2 pm, WTAR, 780 kcs., Norfolk, Va.

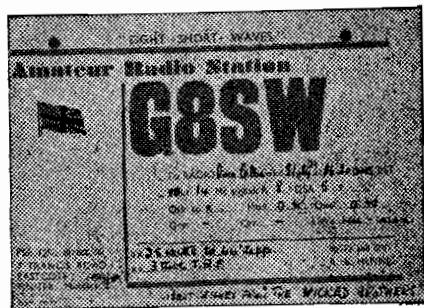
Every Thursday, 2:45-3 am, KSL, 1130 kcs., Salt Lake City, Utah. (Spatari announcements).

1st to 7th, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist program; Mexican souvenirs sent to reporters).

8th to 14th, midnight to 2 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist program; Mexican souvenirs sent to reporters).

15th to 31st, midnight to 6 am, KPAB, 1500 kcs., Laredo, Tex. (Mexico Tourist program; Mexico souvenirs sent to reporters).

Second Friday, 12:30-1 am, WJAG, 1060 kcs., Norfolk, Nebr.



The QSL card of "The Wicked Brothers," Bob and Frank Hennig, of Middlesex, England.

# The SHORTWAVE STATIONS

● The shortwave list, arranged by frequencies in kilocycles, gives the schedules of the shortwave broadcasting stations. When requesting verifications from radio stations, return postage should always be sent. Return postage to foreign countries can be sent in the form of an International Reply Coupon, available at any post office at 9c each. Unused postage stamps from many foreign countries, which can be sent instead of Reply Coupons, are available from the Return Postage Bureau, 85 Francisco Ave., Rutherford, N. J.

Time is Eastern Standard.

Subtract 1 hour for Central, 2 hours for Mountain and 3 hours for Pacific.

- 2320 TGWC Guatemala City, Guat. 1 kw. See TGWA. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Other days 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 am.
- 2340 HOA Panama City, Panama. "Ron Dalley." Salvador Graziani, Box 1121. (6-10 pm).
- 2437 HRN Tegucigalpa, Honduras. 500 w. Noon-1:30 pm; 7-10:30 pm. "La Voz de Honduras."
- 3400 YV5RW Caracas, Venez. "Radio Turmerito." Cesar Banula.
- 3450 YV6RC Barcelona, Venez. Gobierno Edo Anzoategui.
- 3480 YV3RF Acarigua, Venez. "La Voz del Llano." Pausides Sigala.
- 3480 2ZB Wellington, New Zealand. 200 w. At 7 am.
- 3488 XZZ Rangoon, Burma. 50 w. W. J. Byrnes, Burma Independent Wireless Sub-Division, Strand Road. (Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).
- 3490 CR7AB Lourenco Marques, Mozambique. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight to 1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm. Radio Club de Mocambique, Box 594.
- 3500 YV5RV La Guaira, Venez. "Emisora Vargas." Gonzalo Veloz Mancera.
- 4002 CT2AJ Ponta Delgada, Azores. Wed, Sat, 5-7 pm.
- 4107 HCJB2 Quito, Ecuador. 1 kw. 7-8:15 am; 11:30 am-2:30 pm; 2:45-10:15 pm. "Broadcasting Provincial." Clarence W. Jones, Casilla 691.
- 4273 RV15 Khabarovsk, U.S.S.R. 20 kw. 4-10 am. Miss Rowena Meyer, Radio Committee.
- 4300 4ZB Dunedin, New Zealand. 30 w. At 6 am.
- 4770 YV1RT Maracaibo, Venez. "La Voz de la Fe." Pedro A. Bermudez V.
- 4780 YV1RO Trujillo, Venez. "Radio Trujillo." Pedro J. Torres.
- 4785 HJ1ABB Barranquilla, Colombia. 600 w. Relays HJ1ABA, "La Voz de Barranquilla." Apartado 715. Interval signal, 3 chimes.
- 4790 YV5RY Caracas, Venez. "La Voz de la Esfera." Edmundo Suegart.
- 4795 HJ3CAF Bogota, Colombia. 750 w. La Voz de Bogota.
- HJ6FAI Ibague, Colombia. 501 w. "Ecos del Combeima."
- 4800 YV1RV Maracaibo, Venez. "Ecos del Zulia." Luis Garcia.
- 4805 HJ6FAB Manizales, Colombia. 501 w. "Radio Manizales."
- 4810 YV1RU Maracaibo, Venez. "Radio-difusora Maracaibo." Luis Mantellini H.
- 4815 HJ2BAB Cucuta, Colombia. 600 w. Relays HJ2BAC, "La Voz de Cucuta."
- 4820 YV3RN Barquisimeto, Venez. "Radio Barquisimeto." Amilcar Segura.
- 4825 HJ5EAD Cali, Colombia. 720 w. "La Voz del Valle."
- 4830 YV5RH Caracas, Venez. Relays YV5RG, "Ondas Populares." Gonzalo Veloz Mancera, Apto. 1931.
- 4835 HJ1ABE Cartagena, Colombia. 525 w. Relays HJ1ABF, "La Voz de los Labs. Fuentes." Apartado 31.
- 4840 VUC2 Calcutta, India. 10 kw. 7:30 am-1 pm. All-India Radio.
- YV4RX Maracay, Venez. "Radio Maracay." Luis Croquer.
- 4845 HJ3CAD Bogota, Colombia. 720 w. "Nueva Granada."
- 4850 YV1RZ Trujillo, Venez. "Radio Valera." L. Febres Jelambi.
- 4860 YV1RL Maracaibo, Venez. 300 w. Relays YV1RK "Radio Popular," sign off "National Emblem March." Jose A. Higuera, Apartado 247. (6-11 pm).
- 4865 HJ2BAJ Santa Marta, Colombia. 751 w. 10:30 am-2 pm; 5-11 pm. "La Voz de Santa Marta."
- 4870 YV2RN La San Cristobal, Venez. "La Voz del Tachira." Jesus Diaz Gonzalez.
- 4875 HJ6FAH Armenia, Colombia. 600 w. 9 am-2 pm; 6-11:30 pm. "La Voz de Armenia."
- 4878 ZTD Durban, Union of S. Africa. See "Johannesburg." (11:45 pm-12:50 am).
- 4880 VUB2 Bombay, India. 10 kw. 8 am-1 pm. All-India Radio.
- YV6RU Ciudad Bolivar, Venez. "Ecos del Orinoco." E. Torres Valencia.
- 4885 HJ4DAP Medellin, Colombia. 501 w. Relays HJ4DAQ. 9 am-2 pm; 7 pm-midnight. "Emisora Claridad."
- 4890 YV1RX Maracaibo, Venez. "Ondas del Lago." Nicolas Vale Quintero.
- 4895 HJ3CAH Bogota, Colombia. 720 w. "La Voz de la Victor." Relays HJ3CAI. Almacenes Victor, Apto 565.
- 4900 YV6RT Ciudad Bolivar, Venez. "Radio Bolivar." Miranda & Behrens.
- 4910 YV1RY Coro, Venez. "Radio Coro." Roger Leyba.
- 4920 VUM2 Madras, India. 10 kw. 7:30 am-1 pm. All-India Radio.



- YV5RU Caracas, Venez. "Estudios Universo," Mario Garcia Arocha.
- 4930 YV4RP Valencia, Venez. "Radio Valencia," Luis Croquer.
- 4940 YV5RO Caracas, Venez. "La Voz de Venez." Marquis y Linarez.
- 4950 YV4RO Valencia, Venez. "La Voz de Carabobo," Herman Degwitz.
- 4960 VUD2 Delhi, India. 10 kw. 7:30 am-1 pm. All-India Radio.
- YV5RS Caracas, Venez. "Radio Libertador," Victor M. Soto.
- 4975 YV1RJ Coro, Venez. "Radio Falcon," J. A. Mendoza.
- 4980 YV5RT Caracas, Venez. "Gobierno Nacional."
- 4990 YV3RX Barquisimeto, Venez. "La Voz de Lara," Arturo Ramos Maggi.
- 5000 YV5RK Caracas, Venez. Gobierno Nacional.
- 5010 YV5RM Caracas, Venez. "Radiodifusora Venez." Degwitz y Siblet.
- 5020 YV4RQ Puerto Cabello, Venez. "Radio Pto. Cabello," Rafael A. Segura.
- 5040 YV5RN Caracas, Venez. Radio Caracas, Almacen Americano.
- 5146 PMY Bandoeng, Java, N. E. I. 1 kw. Sat, 8 pm-3:30 am. Sun, 5:30 am-noon. Other days, 5:30 am-noon; 7 pm-3 am.
- 5300 ZIK3 Belize, Brit. Honduras. (8:30-8:50 pm).
- 5713 TGS Guatemala City, Guat. 200 w. Wed, Thur, Sat, 6-9 pm. Radiotransmisora de la Casa Presidencial."
- 5824 TIGPH San Jose, Costa Rica. 1 kw. "Alma Tica," Gonzalo Pinto H., Aptdo. 800. (7 pm-midn't).
- 5875 HRN Tegucigalpa, Honduras. 500 w. "La Voz de Honduras," Mr. Paul John. Interval, notes from national anthem, and signs off with "Goodnight Waltz." 8 pm-midnight.
- 5880 ZEA Salisbury, Southern Rhodesia. 325 w. Gen'l. P. O., Station Sec'y., Box 792. Sun, 3-5 am.
- 5940 PJC1 Willemstad, Curacao. 150 w. "Radio Curom," Curacaosche Radio Vereeniging, Emmastad, Curacao. 7:45-9:35 pm.
- 5945 TG2X Guatemala City, Guat. 200 w. "Policia Nacional." Tue, Wed, Fri, 11 am-1 pm. Sat, 11 am-3 pm.
- 5975 CS2WD Lisbon, Portugal. 250 w. Radio Renascenca, Rua do Capelo 5-2 esq.
- OAX4P Huancayo, Peru. 250 w. "Radio Andina Junin," J. Alberto Maduana, Cuzco 25.
- 5980 VONG St. John's, Newfoundland. Newfoundland Brdcatg. Corp. Relays VONF. 8:30 am-12:30 pm; 4:30-9:30 pm.
- 5984 HJ4DAG Quibdo, Colombia. 150 w. "La Voz del Choco.
- 5995 VUD2 Delhi, India. 10 kw. All-India Radio. 7:30 am-12:30 pm.
- 6000 CXA2 Montevideo, Uruguay. 5 kw. Cia. de Radio Publicidad Continental, J. C. Gomez 1431. 10 am-10 pm.
- HH2S Port-au-Prince, Haiti. Societe Haitienne de Radiodifusion, Box 103. (7-10 pm).
- RV59 Moscow, U.S.S.R. 7-9:15 pm.
- XEBT Mexico City, D. F. 500 w. Interval signal, cuckoo calls, and sign off with "Liebestraume." El Buen Tono, S. A., Apartado 79-44. 11 am-1 am.
- 6005 CFCX Montreal, P. Q. 75 w. Relays CFCF. Canadian Marconi Co., Ltd., Box 1690. Sun, 10 am-11:15 pm. Weekdays 7:45 am-1 am.
- HP5K Colon, Panama. 200 w. Relays HOK, "La Voz de La Victor, Apartado 33. Noon-2 pm; 6 am-midnight.
- 6007 XYZ Rangoon, Burma. 1500 w. Burma Independent Wireless Sub-Division, W. J. Byrnes, Strand Road. Sun, 8:30-10:30 pm; Daily 5:30-9 am; 8:20-10:30 pm).
- ZRH Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." Sat, 9:30 am-4:45 pm; Sun, 8:40 am-noon; 12:15-3:15 pm; Other days, 9:30 am-3:30 pm; 11:45 pm-12:50 am.
- 6010 CJCX Sydney, N. S. 1 kw. Relays CJCB. Eastern Broadcasters, Ltd., Radio Bldg. Sun, noon-1:30 pm; Weekdays 9 am-2:30 pm.
- PRA8 Recife, Brazil. 5 kw. "A Voz do Norte," Radio Club do Brasil, Avenida Cruz Cabuga 394. Time signals at Noon and 7 pm Brazil Time. Sign off with national anthem. 9 am-noon; 1-3 pm; 4-9 pm.
- 6015 HI3U Santiago de los Caballeros, D. R. 100 w. "La Voz del Comercio," Fernando Bertran, Apartado 23. Sign off "Mario la O" on organ and national anthem. 7:15-9 am; noon-2 pm; 4:45-8 pm.
- XEWI Mexico City, D. F. 400 w. Institucion Muncial de la V. I., Mina 56.
- 6020 DJC Berlin, Germany. 50 kw. See "Berlin." 11:30 am-4:25 pm.
- XEUW Veracruz, Ver. C. 20 w. "El Eco de Sotavento desde Veracruz," Av. Independencia 98. Verifies for 3c USA stamp. 8 am-midnight.
- 6025 HI1J San Pedro de Macoris, D. R. 100 w. Fausto M. Donastorg, Aptdo 204. (8-11 pm).
- 6030 CFVP Calgary, Alta. 100 w. Voice of the Prairies, Ltd., Toronto General Trusts Bldg. (Thur, 9 am-1 am; Sun, noon-midn't).
- HP5B Panama City, Panama. 100 w. Estacion Radiodifusora Miramar de la Radio Panama, Apartado 910. 5-10 pm.
- 6035 TI7RVM Las Juntas, C. Rica. 500 w. "La Voz del Guanacasto," Ruben Venegas M.

- 6040 KZIB Manila, Philippines. 1. Beck Inc., Box 440. (4-10 am; 6 pm-12:30 am).
- WLSA Boston, Mass. 20 kw. See WLSA.
- WDJM Miami, Fla. 5 kw. 10 pm-1 am. Relays WIOD. Ruth Richardson, Isle of Dreams Broadcasting Corp.
- YDA Tandjong Priok, N.E.I. 10 kw. NIROM. Sign off, "End of a Perfect Day."
- 6042 HJ1ABG Barranquilla, Colombia. 600 w. Relays HJ1ABH. "Emisora Atlantico," Aptdo. 445.
- 6044 ZP14 Villarrica, Paraguay. 1 kw. "Radio Cultura."
- 6045 XETW Tampico, Tama. 100 w. Relays XEFW, Flores y Martinez, Francisco I, Madero 204 Ote. Sun, 10 am-4 pm. Weekdays, 10 am-10 pm.
- 6053 VK9MI M. V. "Kanimbla." 50 w. Sign off "God Save the King." McIlwraith & McEachern, Ltd., Melbourne, Australia. (7:15 am).
- 6054 HJ6FAB Pereira, Colombia. 501 w. "La Vox de Pereira." 25 kw. Bern, Switzerland.
- 6055 .... See eBrn."
- 6060 VQ7LO Nairobi, Kenya. Cable & Wireless, Ltd., Box 777. 11 am-2:30 pm.
- WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Sun, 6:30-11 pm; Tu, F, 6:30-11 pm; Wed, 6:30-8:30 pm).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO."
- 6065 SBO Stockholm, Sweden. 500 w. 5:15-5 pm. Telegrafverket Tjanstebrev 5.
- 6070 CFRX Toronto, Ont. 1 kw. Sun, 10:30 am-midnight. Weekdays 7:30 am-midnight. Relays CFRB. Rogers Radio Broadcasting Co., 622 Fleet St.
- 6079 DJM Berlin, Germany. 50 kw. See Berlin."
- 6080 CKFX Vancouver, B. C. 10 w. Relays CKFC Standard Brdcatg. Sys., 1504 Sun Bldg. 2 pm-midnight.
- HP5F Colon, Panama.
- XEQQ Mexico City, D. F.
- 6082 OAX4Z Lima, Peru. 10 kw. Radio Nacional." Relays OAX4A, Av. Petit Thouars 447.
- 6090 ZNS Nassau, Bahamas. Superintendent of Telegraphs, Box 48 (No postage required for veries).
- 6097 1/2 ZRJ Johannesburg, Union of So. Africa. 200 w. See "Johannesburg." Sat, midnight to 12:50 am; 3:15-7 am; 8:30-11:30 am; Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 8:40-11:30 am; Other days, 3:15-7 am; 9 am-1:30 pm; 11:45 pm-12:50 am.
- ZRK Capetown, Union of So. Africa. 5 kw. See "Johannesburg." Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am;
- 9 am-11:45 am; noon-3:20 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-4 pm; 11:45 pm-12:50 am.
- 6100 KZRH Manila, Philippines. "Radio Heacock," Escolta. (5-11 pm).
- W9XF Chicago, Ill. 10 kw. Relays NBC-WENR. Audience Mail Dept., NBC, Inc., Merchandise Mart. Sat, 1:05-2 am; 4-5:30 pm; Sun, 1-5:45 pm; Other days, 1:05-2 am; 4-5:45 pm.
- YUA Belgrade, Yugoslavia. 1 kw. 12:45 am-5:30 pm. "Radio Beograd," Bureau Central de Presse, Poste Emetteur a Ondes Courtes. Announce in Serbian, Italian, English, German. Turkish, Hungarian, Albanian, and Greek. (12:45 am-5:05 pm).
- 6105 HI3C La Romana, D. R. 30 w. A. Herrero Hernandez.
- 6110 GSL London, Gt. Britain. "L for Liberty." See "London."
- XEGW Mexico City, D. F. 250 w. Jose G. Garza Fox, San Juan de Letran 81.
- 6116 .... Saigon, Fr., Indo-China. "Radio Saigon." (6 am).
- 6120 WCBX New York, N. Y. 10 kw. See "WCBX." (Midnight-2 am).
- 6122 HI8T San Cristobal, D. R. 30 w. Raul Henriques.
- FK8AA Noumea, New Caledonia. Relays FJP. Announces, "Ici Noumea," and signs off with Marseillaise. 44 rue de l'Alma. Tues, Sat, 2:30-3:30 am.
- HJ3CAZ Bogota, Colombia. 750 w. Relays HJ3CAZ, La Vox de Colombia, Aptdo 772. (Heard on 6012 kcs). (Sun, Noon-1:30 pm; 6-11 pm; Other days 10:30 am-2 pm; 5:30-11:30 pm.)
- TGWB Guatemala City, Guat. 1 kw. Sun, 10:30 am-5:15 pm; 7 pm-midnight. Weekdays, 7:45-9 am; 12:45-3:45 pm; 7:30 pm-12:15 pm. See TGWA.
- 6130 CHNX Halifax, N. S. 500 w. Sat, 8 am-11:30 pm; Sun, noon-11:15 pm; other days, 7 am-11:15 pm. Maritime Broadcasting Co., Lord Nelson Hotel.
- COCD Havana, Cuba. 250 w. Relays CMCD. "La Vox del Aire," S. A., Sr. J. Benitez, Aptdo. 2294.
- LKJ Oslo, Norway, 5 kw. See "Oslo."
- 6132 VP3BG Georgetown, British Guiana. Brit. Guiana United Brdcatg. Co., Box 11. (10:30 am-11:30 am; 4-8 pm).
- XEXA Mexico City, D. F. 100 w. Depto. de Publicidad y Propaganda, Sr. Jose Rivera.
- 6137 OR7AA Lourenco Marques, Port. East Africa. Radio Club de Mocambique, Caixa Postal 594. Sun, 5-7 am; 10 am-2 pm; Weekdays, midnight-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm.

- 6140 KZRF Manila, Philippines. "Radio Filipinas," Insular Life Bldg. (5:30-11 pm).
- 13 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (11 am-noon).
- 6145 HJ4DAE Medellin, Colombia. 700 w. "La Vox de la Antioquia."
- 6147 1/2 ZRD Durban, Union of So. Africa. 200 w. See "Johannesburg." Sat, 3:30-7:30 am; 9-11:15 am; Sun, 5:30-7 am; 9-11:16 am; Weekdays, 11:45 pm-12:50 am.
- 6150 CJRO Winnipeg, Man. 2 kw. James Richardson & Sons, Ltd., 157 Royal Alexandra Hotel.
- TIEMC San Jose, C. Rica. 250 w. "Radio El Mundo," Rafael Hine Ch.
- 6165 TILS San Jose, Costa Rica. 2 kw. "Para Ti," Luis Saenz Mata, Aptdo. 3. .... Bern, Switzerland. 25 kw. See "Bern."
- 6170 HI4V San Francisco de Macoris, D. R. 100 w. Luis R. Betances R.
- 6174 XEXA Mexico City, D. F. Relays XEXM, Departamento Autonomo de Prensa Publicidad (DAPP). Sign off, "March of the Toys." 8:30 am-midnight.
- 6185 HI1A Santiago de los Caballeros, D. R. 75 w. "La Vox del Yaque," Rafael Western. (Weekdays, 8-10 pm).
- 6190 HVJ Vatican City. 15 kw. Mon, Thur, Sat, 2-3:30 pm; Tues, Fri, 2-3 pm; Wed, 2-2:30 pm; 3-3:30 pm. See HVJ.
- KGEI San Francisco, Calif. 20 kw. See "KGEI."
- TG2 Guatemala City, Guat. 200 w. "Radio Morse," Director General of Electrical Communications. (Sat, 7:30-9 am; 6 pm-1 am; Sun, 7:30-11 am; 3-8 pm; Other days, 7:30-9 am; 6-11 pm).
- WGEO Schenectady, N. Y. 40 kw. See "WGEO."
- .... Athlone, Ireland.
- 6200 COKG Santiago de Cuba. 1200 w. Relays CMKG. "Ask For Bacardi." Sres. Grau y Caminero, Aptdo. 137. Daily exc. Sat, 9 am-11 pm.
- KEXS Mexico City, D. F. 100 w. Departamento de Salubridad Publica.
- ZGE Kuala Lumpur, F.M.S. Institute of Medical Research. Sun, Tue, Fri, 6:40-8:40 am. Saigon, Fr Indo-China. "Radio Boy-Landry," Establishments Boy-Landry. 5:30-9 am.
- 6235 HRD2 La Ceiba, Honduras. 250 w. 8-11 pm. "La Vox de Atlantida."
- 6243 HI1N Trujillo, D. R. 700 w. Weekdays, noon-2:30 pm; 5:45-10 pm. Sign off national anthem. Relays HIN. J. M. Bonetti Burgos.
- 6280 HI1G Trujillo, D. R. 200 w. Relays HI1G. Andres Cordero Puello.
- 6282 COHB Sancti-Spiritus, Cuba 150 w. Relays CMHB, V. E. Wiess y O. Ramirez, Calle Independencia 33. 9-11 pm.
- 6295 OAX4G Lima, Peru. 400 w. Relays OAX4B, "Radio Grelland." Roberto Grelland y Cia., Sen Abenaca 915-23 (7-9:30 pm).
- 6312 ZP14 Villarica, Paraguay, 1 kw. "Radio Cultura."
- 6316 HI1Z Trujillo, D. R. 100 w. Relays HIZ. Frank Hatton.
- 6330 COCW Havana, Cuba. 7 am-midnight. Relays CMW. "La Vox de las Antillas," Apartado 130.
- 6335 OAX1A Chiclayo, Peru. 200 w. "La Vox de Chiclayo," Elias Aguirre 171, Casilla 9. Sign off, "Good Night Waltz." (Sat, 10 pm-midnight; Other days, 8-11 pm).
- 6340 HI1X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin. (Tues, Fri, 8-10 pm).
- 6351 HRP1 San Pedro Sula, Honduras. 100 w. 12:30 pm-12:30 am. "El Eco de Honduras."
- 6355 IAC Rome, Italy. See "Rome." (3-3:35 pm).
- 6380 ZIZ Basseterre, St. Kitts. (Reported on 6384). Daily 4-5 pm; Wed, 7-7:30 pm.
- 6383 HI9B Santiago, D. R. 200 w. Jacinto L. Sanchez, Aptdo. 95.
- 6420 HIIS Santiago de los Caballeros, D. R. 200 w. "La Vox de La Hispaniola." Generoso Sarnelli. (6-11 pm). Quetzaltenango, Guat. 200 w. Relays TGQ. "La Vox de Quetzaltenango," Director General of Electrical Communications. (Sat, 10 pm-1 am; Sun, 1-3 pm; Other days, 9-11 pm).
- 6425 W2XGB Hicksville, N. Y. 10 kw. Press Wireless, Inc.
- 6480 HI1L Santiago, D. R. 100 w. "Emisora Nacional," Maria J. Tavarez, Calle Pres. Trujillo 97. (6:30-8 am; 5:30-7 pm; 8-9:45 pm).
- 6480 TGWB Guatemala City, Guat. 1 kw. (Reported on 6495). See TGWA.
- 6500 HIL Trujillo, D. R. 60 w. J. C. Teixido, Aptdo. 623.
- 6550 TIRCC San Jose, C. Rica. 500 w. Accion Catolica, Prbo. Carlos Borge, Aptdo. 1064.
- 6565 HI5P Puerto Plata, D. R. 30 w. J. M. Modesto.
- 6590 COCU Havana, Cuba. Jorge Garcia Serra, Estrada a Pima 25, Vibora. (Sun, 6:55 am-midnight; Weekdays, 6:55 am-1 Trujillo, D. R. 100 w. Emilio Garden, Jr.
- 6622 PRADO Rio Bamba, Ecuador. Fabrica de Tejidos de "El Prado," Aptdo. 98. (Thur, 9-11 pm).
- 6630 HIT Trujillo, D. R. 100 w. "La Vox de La RCA-Victor," F. A. Sanabria, Aptdo. 1165. Interval, bells; sign off, na-

- tional anthem. (Sun, 10:45 pm-12:45 am; Weekdays, 5:45-8:45 pm).
- 6638 HC2RL Guayaquil, Ecuador. 200 w. "Quinta Piedad," Dr. Roberto Levi, Casilla 759. Interval. "Hello, America," sign off. national anthem. (Sun, 5:30-7:30 pm; Tues, 9-11 pm).
- 6660 HI6Y Trujillo, D. R. 30 w. Alfonso Cuervo.
- 6675 HBQ Geneva, Switzerland. "Radio Nations." (Sun, 1:45-2:45 pm).
- 6690 VK8SK Broken Hill, Australia. At 2:30 am. Australian Aerial Medical Service.
- 6700 TIEP San Jose, C. Rica. 1 kw. "La Voz del Tropico." Eduardo Pinto H., Aptdo. 257. (4-11 pm).
- 6710 PMH Bandoeng, Java, N.E.I. 1500 w.
- 6780 HIH San Pedro de Macoris, D. R. 250 w. "La Voz de Higuanamo," Domingo Dominguez.
- 6800 PZH Paramaribo, Surinam.
- 6960 Z2B Wellington, New Zealand. 200 w.
- 7000 to 7300 Amateurs.
- 7006 FETI Valladolid, Spain. 7:30 am-5:30 pm.
- 7010 XPSA Kweiyang, China. 10 kw. (Reported on 6970 and 7140). (5:30-10:55 am).
- 7088 PI1J Dordrecht, Netherlands. 50 w. Technical College. (Sat, 10 am-12:50 pm).
- 7090 FO8AA Papeete, Tahiti. Radio Club Oceanien. (Tues, Fri, 11 pm-midnight).
- 7100 EA9BJ Spanish Morocco.
- 7177 CR6AA Lobito, Angola. (Wed, Sat, 2:45-4:30 pm).
- 7200 EA8AE Las Palmas, Canaries. (Reported on 7150).
- 7220 12RO11 Rome, Italy. 100 kw. See "2RO."
- 7222 YV9AB In Venezuela on Gulana-Brazil Border. Expedition Tecnico de Minería y Geología, Ministerio de Fomento, Caracas.
- 7260 FET8 Spanish Morocco. (5-7 pm).
- 7270 EA8AS Teneriff, Canaries. Relays EAJ43. (Wed, 4-5 pm).
- 7300 VIG Port Moresby Papua. Relays 4 pm. A call sign, not time.
- 7310 .... Madrid, Spain. "Radio Nacional."
- 7380 XECR Mexico City, D. F. 20 kw. Secretaria de Relaciones Exteriores. (Sun, 6-8 pm).
- 7435 FG8AH Pointe-a-Pitre, Guadeloupe. "Radio Guadeloupe," Bex 125. (6-7:30 pm).
- 7500 EAJ43 Santa Cruz de Tenerife, Canaries. Relays "Radio Nacional de Burgos." (8-9 am).
- 7510 JVP Tokyo, Japan. 50 kw. See "Tokyo" at end of list.
- 7797 HBP Geneva, Switzerland. "Radio Nations." (Sat, 5:30-6:30 pm).
- 7894 YSD San Salvador. Relays YSS, "Alma Cucateca." Director General de Telegrafos, Telefonos, y Radio Nacionales.
- 8650 HJ4DAU Medellin, Colombia. 250 w. Universidad Antioquia.
- 8664 COJK Camaguey, Cuba. 1 kw. 11:30 am-12:30 pm; 8-10 pm. (Reported on 8660 and 8680). Relays CMJK, "Radio Zenith," Jones Castillon y Cie., Finlay #3.
- 8700 COCO Havana, Cuba. 1 kw. Relays CMCK, Luis Casas Romero, Aptdo 98.
- 8820 HCJB Quito, Ecuador. 1 kw. "La Voz de los Andes," Clarence
- 8830 COCQ Havana, Cuba. 1 kw. Relays CMQ, "De La RCA-Victor," Calle 25 No. 225. (Reported on 8850).
- 9030 COBZ Havana, Cuba. 250 w. Relays CMBZ, "Radio Salas," Aptdo. 866. Opens, nightingales and canaries; interval, 4 chimes; closes, national anthem. (6:45 am-1 am).
- 9100 COBX Havana, Cuba. Relays CMBX. Alberto Alvarez, San Miguel 194.
- 9125 HAT4 Budapest, Hungary. 20 kw. Sun, Wed, 7-8 pm; Sat, 6-7 pm. Radiolabor, Kiserlet Allomasa, Gyali-ut 22, Budapest IX.
- 9125 HC2CW Guayaquil, Ecuador. "Ondas del Pacifico," Aptdo 1166.
- 9163 HC1GQ Quito, Ecuador. "Radiodifusora Nariz del Diablo." Sign off. "Blue Danube Waltz." Guayaquil & Quito R. R. Co., Aptdo. 159. (8:30-11 pm).
- 9234 .... Bucuresti, Romania. 2 kw. "Radio Experimental," Societatea Romana de Radiodifuziune, Str. Gral. Berthelot 60.
- 9290 HI2G Trujillo, D. R. 200 w. Relays HIG. Andres Cordero Puello.
- 9295 XTC Shanghai, China. (8-9 am).
- 9350 HS8PJ Bangkok, Thailand (formerly "Siam"). Post and Telegraph Dept.
- .... Fort de France, Martinique. "Radio Fort de France."
- 9363 COBC Havana, Cuba. Relays CMBC, "El Progreso Cubano," Aptdo 132. (6:55 am-midnight). (Reported on 10000).
- 9400 .... Saigon, Fr. Indo-China. 10 w. "Radio Michel-Robert," (Weekdays, 7-8:30 am).
- 9415 PJC2 Willemstad, Curacao. "Radio Curof," Emmastad.
- 9415 PLV Bandoeng, Java, N.E.I. 80 kw. Governments Radio-Dienst.
- 9437 COCH Havana, Cuba. 5 kw. Cadena Azul de Radio, Prado 63. (Sun, 8 am-10 pm; other days, 8 am-midnight).
- 9465 TAP Ankara, Turkey. 20 kw. 11:30 am-5 pm. See "Ankara."
- 9500 KZIB Manila, P. I. I Beck, Inc., (4-10 am; 6 pm-12:30 am).
- 9500 OFD Lahti, Finland. 1 kw. See "Lahti." (Weekdays, 5-6:30 am; 10 am-5 pm.)

- 9500 PRF5 Rio de Janeiro, D. F., Brazil. 12 kw. "A Vox do Brasil." Cia. Radio Internacional do Brasil, Marapicu, D. F. (4:45-5:45 pm).
- XEWW Mexico City, D. F. 10 kw. 8:55 am-midnight. "La Vox de la America Latina desde Mexico." Aptdo. 2516. Relays XEW. Cadena Radio-difusora Mexicana.
- XGOY Lungtso, China.
- 9503 XEXA Mexico City, D. F. 100 w. (until 1 am).
- 9510 CXAB Colonia, Uruguay. 2500 w. Relays LRB. "Real de San Carlos." (6 am-10 pm).
- 9510 GSB London, Gt. Britain. 20 kw. "B for Broadcasting." See "London." (1:30-3:50 am; 6:20-9:15 pm; 9:40-11:30 pm).
- HS8PJ Bangkok, Thailand (formerly "Siam"). Opening and interval signals, 3 ascending chimes. Post and Telegraph Dept., Col. Phra Aram.
- VK3ME Melbourne, Australia. 5 kw. Weekdays, 4-7 am. Amalgamated Wireless, (A/sia), Ltd., 167 King St.
- 9520 OZF Copenhagen, Denmark. 6 kw. 2-6 pm; 10-11 pm. Statradiofonien, Heibergsgade 7.
- XEDQ Guadalajara, Jal. 100 w. "Hablando a los Continentes desde Guadalajara." Relays XED, Aptdo. 197. Interval, 4 chimes; sign off, "Jarabe Tapatio."
- 9523 ZRG Pretoria, Union of So. Africa. 5 kw. See "Johannesburg." (Sat, 5-7 am; 9:30 am-4:45 pm; 11:45 pm-12:50 am; Sun, 5:30-7 am; 8:30 am-noon; 12:15-3:15 pm; Other days, 5-7 am; 9:30 am-3:30 pm; 11:45 pm-12:50 am).
- 9524 .... Luxembourg. "Radio Luxembourg." (11 am-1 pm).
- 9525 ZBW3 Hong Kong. 2500 w. Hong Kong Broadcasting Committee, Box 200.
- 9530 KGEI San Francisco, Calif. 20 kw. See "KGEI." (3-9 am).
- 9530 LKC Oslo, Norway. 5 kw. See "Oslo."
- VUC2 Calcutta, India. 10 kw. 2:30-4:30 am. All-India Radio, Schenectady, N. Y. 40 kw. See WGEA.
- 9535 JZI Tokyo, Japan. 20 kw. See "Tokyo." (4:40-5:30 pm).
- .... Bern, Switzerland. 25 kw. See "Bern."
- 9536 VPD2 Suva, Fiji. 2 kw. Amalgamated Wireless, (A/sia), Ltd. (5:30-7 am).
- 9540 DJN Berlin, Germany. 50 kw. (12:05-2:30 am; 4:50-10:50 pm). See "Berlin" at end of list.
- 9544 HH2S Port-au-Prince, Haiti. Societe Haitienne de Radio-diffusion, Boite Postal 103.
- 9550 HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-3:30 am. See HVJ.
- TPB11 Paris, France. 25 kw 11:15 pm-6 pm. See "Paris" at end of list.
- VUB2 Bombay, India. 10 kw. 12:30-4 am; 5-7:30 am; 10-11 pm. All India Radio.
- WGEA Schenectady, N. Y. 25 kw. See "WGEA."
- 9560 DJA Berlin, Germany. 50 kw. See "Berlin." (6:30-10:30 pm).
- 9562 OAX4T Lima, Peru. 10 kw. "Radio Nacional." Relays OAX4A. (Reported on 9560). Peruvian Gov't., Av. Petit Thouars 447. (7-8 am; 11:30 am-1:30 pm).
- 9570 KZRM Manila, Philippines. 5 kw. "Radio Manila," Far Eastern Brdcastg. Co., Insular Life Bldg. (4-10:30 am; 4:30-7 pm; 11 pm-12:30 am).
- 9570 WBOS Springfield, Mass. 10 kw. Relays NBC-WBZ-WBZA. Westinghouse Electric & Mfg. Co.
- WPIT Pittsburgh, Pa. 40 kw. See "WPIT."
- 9580 GSC London, Gt. Britain. 20 kw. "C for Corporation." See "London." (1:30-4 pm; 4:20-6 pm; 6:25-9:20 pm; 9:40-11:30 pm).
- VLR Melbourne, Vic., Australia. 2000 w. 3:15-9:45 am. See VLR.
- 9585 KZEH Manila, Philippines. Box 119.
- 9590 HP5J Panama City, Panama. 1 kw. (Reported on 9610). 6:30-11 pm. "La Vox de Panama." Apartado 867.
- PCJ Huizen, Netherlands. 60 kw. See "Hilversum." (Sun, 1:40-3 pm; 7:15-9:50 pm; Tu, 1:45-3:30 pm; 7-10:15 pm; W, 7:15-8:40 pm; F, 8-9 pm).
- VK2ME Sydney, Australia. 20 kw, Sun, 1-3 am; 5-11 am. Signature, laughing notes of kookaburra. Amalgamated Wireless, (A/sia), Ltd., 47 York St. (Sun, midn't-2 am; 4:30-8:30 am; 11:30 am-1:30 pm).
- VK6ME Perth, Australia. 5 kw. Weekdays, 6-8 am. Amalgamated Wireless, (A/sia), Ltd.
- VUD2 Delhi, India. 10 kw. 2-4:15 am; 8 am-1 pm; 10 pm-midnight. All-India Radio.
- VUD3 Delhi, India. 5 kw. 8 am-1 pm. All-India Radio.
- 9590 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (M, Th, Sat, 6:30 pm-2 am; Wed, 9 pm-2 am).
- WLWO Cincinnati, Ohio. 10 kw. See "WLWO."
- 9595 HBL Geneva, Switzerland. 20 kw. "Radio Nations."
- 9600 CB960 Santiago de Chile. (6 pm).
- 9600 XEYU Mexico City, D. F. (9-11 pm).
- 9606 ZRL Capetown, Union of So. Africa. 5 kw. See "Johannesburg." (Sun, 3:30-4:30 am (or 4-5 am); 5:30-7 am; 9-11:45 am; noon-3 pm; Weekdays, 3:20-7:20 am; 9-11:45 am; noon-3 pm; 11:45 pm-12:50 pm).

- 9615 TIPG San Jose, C. Rica. 2 kw. "La Voz de la Victor," Claudia Martinez. (Reported on 9610). (7 am-11:30 pm; English hour Wed, Sat, 9-10 pm).
- 9616 HJ1ABP Cartagena, Colombia. 608 w. 4:30-10:30 pm. "Radio Cartagena," Aptado 37.
- 9620 HAD Budapest, Hungary. (6-9 pm).
- 9630 HJ7GAD Bucaramanga, Colombia. 650 w. Relays HJ7GAE. "Radio Bucaramanga."
- 9630 I2RO3 Rome, Italy. 100 kw. See "Rome." (12:07-12:56 pm; 1:01-2:55 pm; 5:30-9 pm).
- 9645 HH3W Port-au-Prince, Haiti. 30 w. 1-2 and 7-8 pm. C. Ricardo Widmaier, Box A-117.
- 9645 JLT2 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 9650 IABA Addis Ababa, Ethiopia. 1 kw. E. I. A. A. (Sun, 3:30-3:55 am).
- 9650 WCBX New York, N. Y. 10 kw. See "WCBX." (10:30-11:30 pm).
- 9660 CR6AA Lobito, Angola.
- HVJ Vatican City. 15 kw. Wed, 2:30-3 pm; Sun, 5-5:30 am. See HVJ.
- 9670 I2RO9 Rome, Italy. 100 kw. See "Rome." (12:40-5:30 pm; 6-6:30 pm).
- 675 DJX Berlin, Germany. 10:35 am-4:25 pm. See "Berlin" at end of list.
- 9685 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 7 pm-midnight; Weekdays, 7:30 pm-12:15 am).
- 9690 HMF Baghdad, Iraq. Casr-El-Lahoor Brdcstg. Station. (3 pm).
- 9692 TI4NRH Heredia, Costa Rica. 750 w. Sun, 7-8 am; Tu, Th, Sat, 9-10 pm. Amando Cespedes Marin, Apartado 40.
- 9700 "Radio Martinique," Fort de France, Martinique 1500 w. 1:15-2:45 pm; 6-10 pm. Sign off with Marseillaise. Poste Seri. Boite 136.
- 9730 CB970 Valparaiso, Chic. (Reported on 9710). 6:30-11 pm.
- 9735 CSW7 Lisbon, Portugal. (8 pm).
- 9755 ZRO Durban, Union of So. Africa. 200 w. See "Johannesburg." (Sat, 3:30-7:30 am; 9-11:15 am; 11:20 am-4 pm; Sun, 5:30-7 am; 9-11:15 am; 11:20 am-3:20 pm; Other days, 3:30-7:30 am; 9-11:15 am; 11:20 am-3:45 pm).
- 9835 IRF Rome, Italy. 20 kw. See "Rome." (5:20-5:40 am; noon-12:25 pm; 12:40-1 pm; 1:50-2:30 pm; 6-9 pm).
- 9860 EAO Madrid, Spain.
- 9925 JDY Dairen, Kwantung. 10 kw. 7-8 am. Manchuria Telephone and Telegraph Co.
- 9985 COCM Havana, Cuba. 1 kw. Relays CMCM, "Trans Radio Columbia," 23 No. 1113, Vedado.
- 10220 PSH Rio de Janeiro, Brazil. 12 kw. Relays PRF4; signs off with Brazilian National Hymn. Cia. Radio Internacional do Brasil, Caixa Postal 709. (Weekdays, 6-7 pm; M, 8-8:30 pm; F, 7-7:30 pm).
- 10330 ORK Brussels, Belgium. 11 kw. 1:30-3 pm.
- 10660 JVN Tokyo, Japan.
- 10740 JVM Tokyo, Japan.
- 11402 HBO Geneva, Switzerland. "Radio Nations." Sun, 7-7:45 pm.
- 11660 JVL Tokyo, Japan.
- 11673 IQY Rome, Italy. See "Rome." (5:20-5:40 am; 12:07-12:56 pm; 1:50-2:30 pm).
- 11700 HP5A Panama City. 300 w. Sun, 9 am-1 pm; 6-10 pm. Weekdays, 11:45 am-1 pm; 6-10 pm. "Radio Teatro Estrella de Panama." Sign off with "Anvil Chorus." Radio Teatro, Aptdo. 954.
- 11705 JLG3 Tokyo, Japan. See "Tokyo." (8-8:30 pm).
- 11705 SBP Stockholm, Sweden. 500 w. Sun, 1:15-4:15 pm; Wed, Sat, 8-9 pm; Daily 1-4:15 pm. Telegrafverket Tjanstebrev 5.
- 11718 CR7BH Lourenco Marques, Port. E. Agric. 200 w. Radio Club de Mocambique, Caixa 594. (Sun, 5-7 am; 10 am-12 pm; Weekdays, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).
- 11718 TPB6 Paris, France. 7-9:15 pm. See "Paris."
- TPA4 Paris, France. 7-9:15 pm; 9:30 pm-midnight. See "Paris."
- 11720 CJRX Winnipeg, Man. 2 kw. James Richardson & Sons, 157 Royal Alexandra Hotel.
- 11721 ZP14 illarrica, Paraguay. "Radio Cultura." (7:07-9:07 pm).
- 11730 PHI Huizen Netherlands. 23.6 kw. See Hilversum.
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 11730 WSLR Boston, Mass. 20 kw. See "WSLA."
- 11735 LKQ Oslo, Norway. 5 kw. See "Oslo." (11 am-2 pm).
- 11740 HVJ Vatican City. 15 kw. Tues, 8:30-9 am. See HVJ.
- 11750 GSD London, Gt. Britain. 20 kw. "D For Daventry." See "London." (1:30-3:50 am; 12:35-4 pm; 4:20-6 pm; 6:20-9:15 pm; 9:40-11:30 pm).
- 11753 COCX Havana, Cuba. Relays CMX, "Casa Lavin," Box 32. Sun, 6-9 pm; weekdays, 8 am-midnight).
- 11760 TGWA Guatemala City, Guat. 10 kw. Sun, 12:45-5:15 pm; Weekdays, 12:45-1:45 pm. See TGWA.

- 11770 DJD Berlin, Germany. 50 kw. 11:30 am-4:30 pm; 4:50-10:50 pm. See "Berlin."
- 11770 MTCY Haingking, Manchukuo. Strasbourg. (10-11:30 pm).
- 11776 ... "Radio Luxembourg." Cie. Luxembourgaise de Radiodiffusion, (1 hour daily, same hour for three days then advanced an hour for next 3-day period).
- 11780 HP5G Panama City, Pan. 750 w. "Ron Dalley." Opens, closes, with Prelude from "Traviata." Salvador Graziani, Box 1121. (6-10 pm).
- 11780 .... Saigon, Fr. Indo-China. "Radio Saigon." (6 am).
- 11790 WSLA Boston, Mass. 20 kw. See "WSLA."
- 11800 JZJ Tokyo, Japan. 50 kw. See "Tokyo." (7-9:30 am; 2:30-4 pm).
- 11801 DJZ Vienna, Germany. 50 kw. See "Berlin." (4:50-10:50 pm).
- 11810 I2RO4 Rome, Italy. 100 kw. See "Rome." (4:30-4:55 am; 5-7:25 am; 7:30-8:45 am; 10 am-3 pm; 6-9 pm).
- 11820 GSN London, Gt. Britain.
- 11830 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 3-6 pm; Daily exc. Sun, 4-6 pm; Daily 6:30-10 pm).
- 11840 KZRM Manila, Philippines. Erlanger & Gallinger, Inc., David St.
- 11840 OLR4A Prague, Bohemia. 35 kw. "Radio Podesbrady." (M, Tu, W, Th, F, 8-10:30 am; Sun, 7:15-9:55 pm).
- 11850 HAD Budapest, Hungary. (2-6 pm).
- 11870 VUM2 Madras, India 10 kw. 4-4:30 am. All-India Radio.
- 11870 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (2-11 pm).
- 11870 ... Strasbourg, France. "Radio
- 11880 VLR3 Melbourne, Australia. 1.3 am. See VLR.
- 11885 TPA3 Paris, France. 25 kw. 2-5 am; 11:15 am-6 pm. See "Paris."
- 118 TPB7 Paris, France. 25 kw. 9:30 pm-midnight. See "Paris."
- 11900 I2RO13 Rome, Italy. 100 kw. See 2RO.
- 11900 XGOY Chungking, China. Central Brdcastg. Station. (5:30-10:30 am; 11-11:30 am; 4-6:30 pm).
- 11900 XMHA Shanghai, China. 445 Race-course Road. (Reported on 11840 and 11857). (6 am).
- 11900 .... Hanoi, Fr. Indo-China. "Radio Hanoi II." 20 rue de la Pepiniere. (Sat, 8:30-10:30 pm; Sun, 12:01-9:30 am; Other days, 12:01-2:30 am; 6-9:30 am).
- 11930 PPH Rio de Janeiro, Brazil. (5:30 am).
- 11960 HI2X Trujillo, D. R. 900 w. Relays HIX. J. R. Saladin, Gobierno Dominicano. (Sun, 7:40-10:40 am).
- 12230 COCE Havana, Cuba. "La Vox del Transporte." Prado 18. (8 am-midn't.)
- 12235 TFF Reykjavik, Iceland. 7500 w. Sun, 1:45-2:30 pm Icelandic State Broadcasting Service, Box 547.
- 12460 HCJB Quito, Ecuador. (Reported on 12450). Clarence W. Jones, Casilla 691. (Daily exc. Mon, 10-11 pm).
- 13900 YN3DG Leon, Nicaragua. (Verifies for 10c). (Sat, Sun, 10 pm).
- 14125 YV9AB In Venezuela on Guiana-Brazil Border. Expedicion de la Gran Sabana, Ministerio de Fomento, Caracas.
- 14795 IQA Rome, Italy. See "Rome." (4:30-4:55 am).
- 14935 PSE Rio de Janeiro, Brazil. W, 4-4:10 pm; Th, Sat, 3-3:30 pm).
- 15110 DJL Berlin, Germany. 50 kw. 12:05-2 am; 8-9 am; 10:35 am-4:25 pm. See "Berlin."
- 15120 HVJ Vatican City. 15 kw. Tues, 10:30-11 am; Sun, 1-1:30 pm. See HVJ.
- 15130 TPB11 Paris, France. 25 kw. 2-5 am. See "Paris."
- WSLA Boston, Mass. 20 kw. See "WSLA."
- 15130 WSLR Boston, Mass. 20 kw. See "WSLA."
- 15140 GSF London, Gt. Britain. 15 kw. "F For Fortune." See "London." (5:45-8:50 am; 9 am-noon; 4:20-6 pm; 6:20-9:15 pm).
- 15160 JZK Tokyo, Japan. 50 kw. See "Tokyo." (Midnight-1:30 am; 7-9:30 am; 2:30-4 pm).
- VUD3 Delhi, India. 5 kw. 2-4:15 am; 10 pm-midnight. All-India Radio.
- XEWW Mexico City, D. F. 10 kw. "La Vox de la America Latina desde Mexico." Aptdo. 2516.
- 15170 LKV Oslo, Norway. 5 kw. See Oslo.
- 15170 TGWA Guatemala City, Guat. 10 kw. See "TGWA." (Sun, 12:01-1 am; 10:30 am-5:15 pm; Weekdays, 7:45-9 am; 12:45-3:45 pm).
- 15180 GSO London, Gt. Britain. "O For Ocean." See "London." (4:20-6 pm; 6:25-9:20 pm).
- 15195 TAQ Ankara, Turkey. 20 kw. Turkish Brdcastg. System. Daily 5:30-7 am.
- 15200 DJB Berlin, Germany. 8 kw. See "Berlin." (5-11 am; 4:50-10:50 pm; Sun, 11:10 am-12:25 pm).
- 15210 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (9 am-2 pm).
- 15220 PCJ2 Hilversum, Netherlands. 60 kw. See "Hilversum." (Sun, 7:40-9:05 am; M, Th, 7:40-9 am; Tu, 1-2:30 am; W, 9:30-11:30 am; Tu, W, F, Sat, 7:40-8:45 am).



- 15240 CR7BD Lourenco Marques, Mozambique. Radio Club de Mocambique, Box 594. (Sun, 5-7 am; 10 am-2 pm; Other days, midn't-1 am; 4:30-6:30 am; 9:30-11 am; noon-4 pm).
- 15243 TPA2 Paris, France. 25 kw. 6-11 am. See "Paris."
- 15260 GSI London, Gt. Britain. "I For Island." See "London." (1:30 am-3:50 am; 12:25-4 pm).
- 15270 WCAB Philadelphia, Pa. 10 kw. See WCAB. (Sun, 3-6 pm; Mon thru Fri, 4-6 pm).
- 15270 WCBX New York, N. Y. 10 kw. See "WCBX." (Sun, 1-2:30 pm; Other days, 1-3:30 pm).
- 15280 DJQ Berlin, Germany. 50 kw. Daily, 12:05-11 am; 4:50-10:50 pm. See "Berlin."
- 15280 HI3X Trujillo, D. R. 900 w. (Reported on 17400). Relays HIX. Secretaria de Comunicaciones y Obras Publicas. (Tu, F, 8:10-10:10 pm; Sun, 7:40-9:40 pm).
- LRU Buenos Aires, Argentina. 5 kw. 8 am-1 am. "Radio El Mundo," Calle Maipu 555.
- 15300 I2RO6 Rome, Italy. 100 kw. See "Rome." (4:10-4:55 am; 10 am-12:06 pm; 1:40-2:30 pm; 3-5:30 pm; 7:30-9 pm).
- 15300 LYZ4 Kaunas, Lithuania. (Reported on 15130). (Sun, 1 pm).
- 15310 GSP London, Gt. Britain. "P For Progress." See "London." (12:17-1:15 pm; 1:15-4 pm; 4:20-6 pm).
- 15330 KGEI San Francisco, Calif. 20 kw. See "KGEI." (1-4 am; 5-8 am; 12:30-8 pm).
- 15340 DJR Berlin, Germany. 50 kw. See "Berlin." (4:55-10:50 pm).
- 15410 .... Bucuresti, Romania. 50 kw. "Radio Bucuresti." (9-10:15 pm).
- 17760 DJE Berlin, Germany. 50 kw. See "Berlin." (12:05-5:50 am; 6-7:45 am; 8-11 am; 11:10 am-12:25 pm; 4:55-9 pm).
- 17770 PHI2 Huizen, Netherlands. 23.6 kw. See "Hilversum." (Sun, 6:40-10:05 am; M, Th, 7:40-9 am; Tu, W, F, Sat, 7:40-8:45 am).
- 17785 JZL Tokyo, Japan. See "Tokyo." (4:30-5:30 pm; 8-8:30 pm).
- 17790 GSG London, Gt. Britain. 5:45-8:50 am; 9 am-noon; 12:20-4 pm. See "London."
- 17800 TGWA Guatemala City, Guat. 10 kw. See "TGWA."
- 17810 GSV London, Gt. Britain. 5:45-8:50 am; 12:20-4 pm. See "London."
- 17840 HVJ Vatican City. 15 kw. See HVJ.
- 21470 GSH London, Gt. Britain. 5:45-8:50 am; 9 am-noon. See "London."
- 21520 WCAB Philadelphia, Pa. 10 kw. See "WCAB." (Noon-6 pm).
- 21530 GSJ London, Gt. Britain. 5:45-8:50 am. See "London."
- 21540 WPIT Pittsburgh, Pa. 40 kw. See "WPIT." (5:30-9 am).
- 21565 DJJ Berlin, Germany. 6-7:50 am. See "Berlin."
- 21570 WCBX New York, N. Y. 10 kw. See "WCBX." (8 am-12:30 pm).
- 21680 HAD Budapest, Hungary. (11 am-2 pm).

## Addresses

Ankara—Radio Ankara." Ann: Turkish, Eng, Fr, Ger. Sign off, National anthem. Turkish Brdcstg. System, Correspondence Dept.

Berlin—These transmitters are located at Zeesen, near Berlin. Interval signal is the tune, repeated several times, "Ever Be True and Honest," and sign off theme, two national anthems, "Horst Wessel Lied" and "Deutschlandlied". Address is Reichs-Rundfunk G. m. b. H., Haus des Rundfunk, Masurenallee, Berlin-Charlottenberg 9.

Hilversum—Transmitters at Huizen. PCJ is "The Happy Station." Announcements in Dutch, German, French, English, Spanish, Portuguese. Sign off with National Anthem. N. V. Philips' Radio, Eindhoven.

Johannesburg—All programs originate in J/B. Announce "Johannesburg Calling." English and Afrikaans. Open with bugle call. South African Broadcasting Corp., Box 4559, Johannesburg.

London—Transmitters are at Daventry. Interval signals are Bow Bells; Greenwich time signal on even hours; and, irregularly, Big Ben, preceded by Westminster Chimes, strikes the hours. Sign off with "God Save The King." British Broadcasting Corp., London W1.

Oslo—Norsk Rikskringkasting, Shortingsgaten 28, Oslo, Norway.

Paris—Transmitters at Essarts-le-Roi. Announce as "ParisMondial," (Paris Embracing The World), and sign off with "La Marseillaise." Minister of Posts, Telegraphs and Telephones, 98 bis Blvd. Haussmann.

Rome—"Radio Roma-Napoli." Transmitter at Prato-Smeraldo. Interval signal, chirping of bird. Announcements usually by a lady. Sign off with 2 anthems, "Giovinezza" and "Marcia Reale." Ente Italiano per le Audizioni Radiofoniche, Via Montello 5.

Tokyo—Transmitters are at Nazaki. Sign off with national anthem, "Kimagayo." Nippon Hoso Kyokai, 2-Chome, Uchisaiwaicho, Kojimachi-ku.

HVJ—Announcements in Dutch, Italian, Polish, English, German, French, Spanish, Russian. A clock or metronome ticks seconds during 5 minutes preceding broadcasts. Bells of St. Peters strike hour. Open and close with Laudetur Jesus Christus." Pontifica Accademia Della Scienze, Roma-Castina Pio IV.

KGFI—Transmitter at Treasure Island. General Elec. Co., 235 Montgomery St., San Francisco, Calif.

TGWA—Radiodifusora National, "La Voz de Guatemala." Relay TGW. Return postage is not necessary for verifications.

VLK—Transmitter at Lyndhurst. Australian Broadcasting Commission (Victorian Division), P. O. Box 1686, GPO, Melbourne, Vic., Australia.

WCAL—Trans. at Newton Square. Relays GBS-WCAU. WCAU Brdcastg. Co., 1622 Chestnut St., Philadelphia, Pa.

WCBI—"The Voice of Labor." Transmitter, York Township. Relays NBC-WCFL. Sign off in English, French, German, Norwegian, Polish, Russian and Spanish. Chicago Federation of Labor, 666 Lake Shore Drive, Chicago, Ill.

WCBX—Transmitter at Wayne Twp., N. J. Relays CBS-WABC. Sign off, "Star Spangled Baner." Columbia Broadcasting Sys., 485 Madison Ave., New York City.

WGEA—Transmitter at South Schenectady. Relays NBC-WGY. Programs commence with discharge of man-made lightning. General Elec. Co., 1 River Road.

WLWO—Transmitter at Mason. Relays NBC-WLW. Crosley Corp., 1320 Arlington St., Cincinnati, Ohio.

WNBI—Transmitter at Bound Brook, N. J. Relays NBC-WJZ. Sign off with "Star Spangled Banner." NBC, Inc., 30 Rockefeller Plaza, New York, N. Y.

WPIT—Transmitter at Saxonburg. Relays NBC-KDKA. Westinghouse Electric & Mfg. Co., Grant Bldg., Pittsburgh, Pa.

WSLA—"Dedicated to Enlightenment." World Wide Broadcasting Corp., Educational Director, University Club, Boston, Mass.



*G. R. Jewell, Jr., formerly of Alabama but now of San Diego, Calif. He says so many of his pen pals have asked to see his picture that he has to have it printed in Radex to satisfy them all. Has been interested in radio since the crystal days.*

XERB heard testing around 8 A.M. but have been unable to hear them at night even after KMOX signs off. They stated they were located at "The beautiful Rosarito Beach Hotel". (Pat Webb, San Antonio, Texas and Farnk Susoreny, R1421, E. Chicago, Ind.)

CMCM's card is a beauty. It shows a waterfront view of Havana and an inset photo of Cuba's capital building. (Allen G. Verrill, Brockton, Mass.)

CMCY sends a post card view of a tobacco plantation. CMBZ beard on both 940 and 1010 kcs. (C. R. Bendes, Pittsburgh, Pa.)

CMBZ is now 5000 watts on 1010 kcs. . . . CMBQ is on 1150 kcs. (Wm. Cunningham, Hollywood, Calif.)

CMAB with 200 watts has been re-installed in Pinar del Rio. It belongs to Martine Rodriguez and uses 1240 kcs. . . . CMBG will increase from 200-1500 watts . . . CMAN is a 1000 watt transmitter owned by Compania Radio Havana and is testing. (Carlos Ramirez G., Havana, Cuba.)

CMBH on 1600 kcs. with 5 kw. sign off at 11 p.m. and are owned by A. Alvarez, San Miguel 570. Verify promptly. (Franis T. Coradetti, R884, Narbeth, Pa.)



*A San Francisco DXer, George Tonison, tuning his new Hallicrafters receiver. George is one of the most active DX reporters on the west coast.*

## SHORTWAVES

*(Continued from page 35)*

- Martin W. Sullivan, Lynn, Mass.
- H. L. Tomkinson, Mt. Holly, N. J.
- Murray Vaughan, St. Matins, N. B.
- Pat Webb, San Antonio, Texas
- Bill Wells, Ontario, Canada
- John H. Wheeler, Mystic, Conn.

# The WORLD'S Radio Stations

(Continued From March-April Issue)

A complete listing of the radio stations of  
the world, from 500 kcs to 500,000 kcs.

The addresses and broadcasting schedules of the shortwave broadcasting stations are not shown in this list. Readers are referred to The Shortwave Broadcasting Station List for this information.

8600	HCIEC	B	....	Quito, Ecuador.
	PHF4	C	....	Panama City, Panama
8620	VVD	T	....	Seattle, Wash. Alaskan Telephone Co., 517 Federal Office Bldg.
8630	CMA5	C	1000	Havana, Cuba. Cuba Transatlantic Radio Corp., Obispo y Aguiar
	VJI	SEM	....	Cloncurry, Qsld., Australia. Australian Airways Medical Service.
	VOWQ	FA	....	Northwest River, Labrador. Newfoundland Skyways, Ltd.
8650	HJ4DAU	B	250	Medellin, Colombia.
8653	W8XUL	GE	10	Portable. W. Va. University Dept. of Physics.
	W8XUL	GE	10	Portable. Same as above.
8655	KDKC	..	....	Los Angeles, Calif. James Wallington, CBS, Columbia Sq.
	KHRH	RB	100	NC-1990 <sup>a</sup> . Howard R. Hughes, NYC.
	KSFM	RB	....	New York City. NBC, Inc.
	K6XAK	GE	1500	Kaena Point, Oahu, T. H. Globe Wireless, Ltd
	WCBN	RB	....	New York City. CBS, Inc.
	WNBW	RB	....	New York City. NBC, Inc.
	W2XYR	GE	125	Wilmington, N. Y. Whiteface Mountain Meteorological Observatory.
	W4XID	E1	50	W. Palm Beach, Fla. Gray Radio Co.
	W6XQW	GE	1000	Palo Alto, Calif. Stanford University
	W6XXT	GE	5000	Portable. Press Wireless, Ltd.
	W7XBA	E	15	Portable. Northern Radio Co.
	W7XEY	E1	60	Seattle, Wash. Radio Labs., Inc.
	W7XEZ	E1	60	Seattle, Wash. Radio Labs., Inc.
	W9XEI	GE	400	Lake Bluff, Ill. Thorne Donnelly
	W10XDA	E1	100	"Effie M. Morrissey." Donald Elias Clark, New York City.
	W10XJJ	GE	25	Portable. Harvey Radio Labs., Inc.
8663	COJK	B	1000	Camaguey, Cuba
8680	GBC	T	....	Rugby, Gt. Britain
8690	VK8US	SEM	....	Alice Springs, Australia. Australian Airways Medical Service.
	VWZ	T	10000	Kirkee, Poona India. Indian Radio & Cable Communications Co., Poona 6.
8700	COCO	B	1000	Havana, Cuba
8710	KBB	C	....	Manila, Philippines.
8720	CFU	C	....	Annable, B. C., Canada. Consolidated Mining & Smelting Co.
	CZ5Y	C	....	Anyox, B. C. Same as CFU
8730	GCI	C	....	Rugby, Gt. Britain
8740	WXV	T	....	Fairbanks, Alaska
8750	VK8UB	SEM	....	Kalgoorlie, W. A., Australia. Australian Airways Medical Service.
8770	ICEJ	S	....	S. S. "Rex." Italian Lines, 1 State St., NYC.
8790	WWMA	G	....	Detroit, Mich. U. S. Immigration Border Patrol.
	WWMB	G	....	Buffalo, N. Y. Same as WWMA
	WWMD	G	....	Derby Line, Vt. Same as WWMA
8798	HKV	..	....	Bogota, Colombia
8810	IBLI	S	....	S. S. "Conte di Savoia." Italian Lines 1. State St., NYC.
8820	HCJB	B	1000	Quito, Ecuador.
	WOGK	S	100	Yacht "Mako." Thorne Donnelly.
8830	COCQ	B	1000	Havana, Cuba
	VK8SI	SEM	....	Wyndham, Australia. Australian Airways Medical Service.
8840	ZMBJ	S	....	F. S. S. "Awatea." Union Steam Ship Co. of New Zealand, Ltd.
8850	VQB4	C	....	Sandakan, British North Borneo
8960	TPZ	C	....	Alger, Algiers. Directeur du Service de la Telegraphie sans fil, 5 rue Froidevaux, Paris.
9010	KEJ	C	....	Bolinas, Calif. R. C. A. Communications Inc.
9020	GCS	T	15000	Rugby, Gt. Britain.

9030	COBZ	B	250	Havana, Cuba
9038	VWY	T	....	Kirkee, Poona, India.
9040	TYA2	T	10000	Pontoise, France. Service de la TSF, 5 rue Froidveaux, Paris XIV
9045	VWY	C	....	Kirkee, Poona, India.
9050	NPO	Time	....	Cavite, Philippines.
9080	XTK	..	....	Hankow, China
9100	COBX	B	....	Havana, Cuba.
9120	CPQ5	C	....	LaPaz, Bolivia
	YCP	..	....	Bandoeng, Java, N.E.I.
9125	HAT4	B	20000	Budapest, Hungary
	HC2W	B	....	Guayaquil, Ecuador
9130	CY2Q	C	....	Atlin, B. C., Canada. B. C. Provincial Police.
	CZC	P	....	Bralorne, B. C. Same as CY2Q
	CZ7A	C	....	Alert Bay, B. C. Same as CY2Q
9135	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
	W2XGB	GE	10000	Hicksville, N. Y. Press Wireless, Inc.
	W10XJF	E	....	Yacht "Mako." Thorne Donnelley.
9160	CZ4B	T	....	Armstrong, Ont. Ontario Dept. of Lands and Forests.
	CZ5C	T	....	Basswood, Ont. Ontario Dept. of Lands and Forests.
9163	HC1GQ	B	....	Quito, Ecuador
916	YVR	T	....	Maracay, Venezuela
9180	ZSR	T	....	Klipheuvcl, Union of So. Africa. Overseas Communications of So. Africa, Ltd., Box 962, Capetown.
9234	...	B	2000	Bucuresti, Romania.
9250	Naa	Time	....	Arlington, Va.
9280	GCB	C	15000	Rugby, Gt. Britain
	XGU	..	....	Shanghai, China
9290	HI2G	B	200	Trujillo, D. R.
9295	XTC	B	....	Shanghai, China
9300	KNGU	B	50	Managua, Nicaragua
9310	KGJW	A	....	Brownsville, Texas. Pan-American Airways
9330	OAX4J	..	....	Linia, Peru
9350	HS8PJ	B	....	Bangkok, Thailand.
	XTR	C	....	Cañton, China. Chinese Government Radio Administration
	....	B	....	Fort de France, Martinique
9355	WNO	..	....	Hialeah, Fla.
9363	COBC	B	....	Havana, Cuba
9400	...	B	10	Saigon, French Indo-China
9415	PJC2	B	....	Willemstad, Curacao
	PLV	C	80000	Bandoeng, Java, N.E.I.
9425	NAA	Time	....	Arlington, Va.
9437	COCH	B	5000	Havana, Cuba
9445	HC2RA	B	....	Guayaquil, Ecuador
9448	WES	C	....	Rocky Point, N. Y.
9460	ICK	..	2000	Tripoli
	WKJ	C	....	New Brunswick, N. J. R.C.A. Communications
9465	TAP	B	20000	Ankara, Turkey
9470	PJC1	B	150	Willemstad, Curacao
	WET	C	....	Rocky oPint, N. Y.
9475	EAH	B	....	Madrid, Spain
9480	KES	C	....	Bolinas, Calif. RCA Communications
9490	OAX5C	B	....	Ica, Peru
	XTV	B	....	Cañton, China
9500	CLX	..	250	Havana, Cuba. Observatorie Nacional, Casa Blanca
	KZIB	B	....	Manila, Philippines
	OFD	B	1000	Lahti, Finland
	PRF5	B	12000	Rio de Janeiro, Brazil
	XEWW	B	10000	Mexico City, D. F.
	XGOY	..	....	Lungtso, China
	XGW	..	....	Shanghai, China
9503	XEXA	B	100	Mexico City, D. F.
	....	B	....	Tananarive, Madagascar
9504	OLR3B	B	35000	Prague, Bohemia
9505	JLG2	T	....	Nazaki, Japan. Nippon Hosokyo, Shibaku, Tokyo
9510	CXA8	B	2500	Colonia, Uruguay
	GSB	B	20000	London, Gt. Britain
	HS8PJ	B	....	Bangkok, Thailand
	VK3ME	B	5000	Melbourne, Vic., Australia
	....	B	....	Hanoi, rFench Indo-China
9520	OAX4J	B	500	Lima, Peru

	OZF	B	6000	Copenhagen, Denmark
	TPB13	B	25000	Paris, France
	XEDQ	B	100	Guadalajara, Jal. Mexico
	YSH	B	....	San Salvador, El Salvador
9523	LYZ2	B	....	Kaunas, Lithuania
	ZRG	B	5000	Pretoria, Union of So. Africa
9524	....	B	....	Luxembourg
9525	JLU2	T	....	Nazaki, Japan. Nippon Hosokyo, Shiba-ku, Tokyo
	ZBW3	B	2500	Hong Kong
9530	KGEI	B	20000	San Francisco, Calif.
	VUC2	B	10000	Oslo, Norway
	WGEO	B	40000	Calcutta, India
	LKC	B	5000	Schenectady, N. Y.
	ZHP	B	400	Singapore, Straits Settlements
9535	JZI	B	20000	Nazaki, Japan
	....	B	25000	Bern, Switzerland
9536	VPD2	B	2000	Suva, Fiji
9540	DJN	B	50000	Berlin, Germany
9544	HH2S	B	....	Port-au-Prince, Haiti
9550	HVJ	B	15000	Vatican City
	TPB12	B	25000	Paris, France
	VUBA2	B	10000	Bombay, India
	WGEA	B	25000	Schenectady, N. Y.
	XEFT	B	12	Veracruz, Ver. C., Mexico
9560	DJA	B	50000	Berlin, Germany
	YDB	B	1000	Sourabaya, Java, N.E.I.
9562	OAX4T	B	10000	Lima, Peru
9570	KZRM	B	5000	Manila, Philippines
	TPB11	B	25000	Paris, France
	WBOS	B	10000	Springfield, Mass.
	WPIT	B	40000	Pittsburgh, Pa.
9580	GSC	B	2000	London, Gt. Britain
	VLR	B	2000	Melbourne, Vic., Australia
9585	KZEH	B	....	Manila, Philippines
	TPB10	B	25000	Paris, France
9590	HP5J	B	1000	Panama City, Panama
	PCJ	B	60000	Hilversum, Netherlands
	VK2ME	B	20000	Sydney, NSW, Australia
	VK6ME	B	5000	Perth, W.A., Australia
	VUD2	B	10000	Delhi, India
	VUD3	B	5000	Delhi, India
	WCAB	B	10000	Philadelphia, Pa.
	WLWO	B	10000	Cincinnati, Ohio
9595	....	B	....	Athlone, Ireland
	HBL	B	20000	Geneva, Switzerland
	RAN	B	....	Moscow, U.S.S.R.
9600	CB960	B	....	Santiago, Chile
	GRY	B	....	London, Gt. Britain
	XEYU	B	....	Mexico City, D. F., Mexico
9605	JLP	T	....	Nazaki, Japan
9606	ZRL	B	5000	Capetown, Union of So. Africa
9610	YDB	B	1000	Sourabaya, Java, N.E.I.
9615	TIPG	B	2000	San Jose, Costa Rica
9616	HJ1ABP	B	608	Cartagena, Colombia
9620	HAD	B	....	Budapest, Hungary
9630	HJ7GAD	B	650	Bucaramanga, Colombia
	12R03	B	100000	Rome, Italy
9636	IJO	B	....	Itabashi, Taiwan
9645	HH3W	B	30	Port-au-Prince, Haiti
	ILT2	B	....	Tokyo, Japan
9650	IABA	B	1000	Addis Ababa, Ethiopia
	WCBX	B	10000	New York City
9655	JLS	T	....	Nazaki, Japan
9660	CR6AA	B	....	Lobito, Angola
	HVI	B	15000	Vatican City
	LRX	B	5000	Buenos Aires, Argentina
9670	12R09	B	100000	Rome, Italy
	W3XAL	B	35000	New York City
9675	DJX	B	....	Berlin, Germany
	JVW2	T	....	Nazaki, Japan
9685	TGWA	B	10000	Guatemala City, Guatemala
9690	GRX	B	....	London, Gt. Britain
	HMF	B	....	Baghdad, Iraq
	LRA	B	5000	Buenos Aires, Argentina
	ZHP	B	....	Singapore, Straits Settlements
9692	T14NRH	B	750	Heredia, Costa Rica
9700	COCA	B	....	Havana, Cuba
	....	B	1500	Fort de France, Martinique

9730	CB970	B	....	Valparaiso, Chile
9735	CSW7	B	....	Lisbon, Portugal
9750	WDL	C	20000	Ocean Gate, N. J. American Telephone & Telegraph Co.
	WOF	C	....	Lawrenceville, N. J.
9755	ZRO	B	200	Durban, Union of So. Africa
9790	CPP5	C	....	Viacha, Bolivia
	CPX4	C	....	Yacuiba, Bolivia
9835	IRF	B-E	20000	Rome, Italy
9850	VEW	B	....	Calgary, Alta. Dominion Government
9860	EAQ	C	....	Madrid, Spain
9870	WON	C	....	Lawrenceville, N. J.
9890	LSN2	T	....	Buenos Aires, Argentina
9925	JDY	B	10000	Dairen, Kwang Tung
9940	WCT	T	400	San Juan, Puerto Rico. Radio Corp. of P. R.
9950	COCU	B	....	Havana, Cuba
	GCU	T	15000	Rugby, Gt. Britain
995	COCM	B	1000	Havana, Cuba
9990	KAZ	T	40000	Manila, Philippines. Radio Corp. of the Philippines
10000	WWV	G	1000	Beltsville, Md. National Bureau of Standards, Washington, D. C.
10042	DZB	T	....	Berlin, Germany
10055	SUV	T	10000	Cairo, Egypt
	ZFB	T	1500	Hamilton, Bermuda
10065	CQN	T	....	Macau, Portuguese China
	TDE	T	....	Shinkio, Manchukuo. Manchukuo Telegraph & Telephone Co., Ltd.
10070	HRI2	C	400	La Lima, Honduras. Tela R. R. Co.
10080	RIR	..	....	Tifis, U.S.S.R.
10105	TDB	T	20000	Shinkio, Manchukuo. Manchukuo Telegraph & Telephone Co., Ltd.
10110	VOA5	C	....	Jesselton, British North Borneo
10135	OPM	T	....	Leopoldville, Belgian Congo.
10200	VOB5	..	....	Sandakan, British North Borneo
10220	PSH	B	12000	Rio de Janeiro, Brazil
10230	CED	T	....	Antofagasta, Chile. Cia. de Telefonos de Chile
10250	LSK3	T	5000	Buenos Aires, Argentina. Cia. Internacional de Radio, S. A., Defensa 143
10260	PMN	B	1500	Bandoeng, Java, N.E.I.
	PWH	C	....	Abrohos, Brazil
10290	DZC	B	....	Berlin Germany - 37-
10300	LSL2	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143
10310	PPM	T	....	Rio de Janeiro, Brazil
10330	ORK	T	11000	Brussels, Belgium
10335	ZFD	T	1500	St. George, Bermuda. Imperial and International Communications, Ltd.
10350	LSX	T	20000	Buenos Aires, Argentina. Cia. Radio-telegrafica Argentina, San Martin 329
10370	EAJ43	B	23000	Santa Cruz de Tenerife, Canaries
10400	KEZ	C	....	Bolinas, Calif.
10420	XGW	B	....	Shanghai, China
10430	TYE3	T	....	Pontoise, France
10465	WAT	C	1600	Hialeah, Fla. Tropical Radio Telegraph Co.
10480	KNR	C	....	Clearwater, Calif. Mackay Radio & Telegraph Co.
10535	JIB	B	6000	Taihoku Taiwan
	KGJW	A	....	Brownsville, Texas. Pan-American Airways
10600	ZIK2	B	....	Belize, British Honduras
10610	WEA	T	40000	Rocky Point, N. Y.
10660	JVN	T	10000	Nazaki, Japan
10670	CEC	T	4000	Santiago, Chile. Cia. Internacional de Radio, Casilla 16-D
10740	JVM	T	20000	Nazaki, Japan
10770	GCP	T	15000	Rugby, Gt. Britain
10840	KWV	C	20000	Dixon, Calif.
10855	KGTY	FA	....	Butte, Mont. Aeronautical Radio, Inc.
	WAJE	FA	300	Birmingham, Ala. Same as KGTY
	WAQY	FA	300	Charleston, S. C. Same as KGTY
10890	CMA5	..	....	Havana, Cuba
10900	VEW	C	....	Calgary, Alta. Dominion Government
10960	...	B	....	Tananarive, Madagascar
10965	KNCV	FA	400	Miles Center, Mont. Aeronautical Radio, Inc.
10990	ZLT	T	....	Wellington, New Zealand
11000	PLP	B	1500	Bandoeng, Java, N.E.I.
	ZLT4	T	....	Wellington, New Zealand. Jost & Telegraph Dept.
11040	KHCIV	A	100	NC-18997. American Export Airlines.

11060	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
11180	PWH	..	....	Abrolhos, Brazil
11370	WMI	..	....	Lorain, Ohio. Lorain County Radio Corp.
11390	WYK	..	....	Montgomery, Ala.
11402	HBO	B	20000	Geneva, Switzerland
11410	XTB	C	....	Shanghai, China
11470	XTS	C	....	Swatow, China
11500	PMK	..	....	Bandoeng, Java, N.E.I.
11510	WMEC	C	....	St. John, Ind. Mackay Radio and Telegraph Co., Inc.
11540	XGR	T	....	Shanghai, China
11560	CMA5	B	1000	Havana, Cuba
11595	VRR4	T	....	Stony Hill, Jamaica
11660	JVL	T	....	Nazaki, Japan
11670	IGY	B	....	Rome, Italy
	PPO	B	....	Rio de Janeiro, Brazil
11673	IOY	B	....	Rome, Italy
11680	KIO	C	....	Kahuku, Hawaii
11690	XTJ	B	....	Hankow, China
11700	CB1170	B	1000	Santiago de Chile
	HP5A	B	300	Panama City, Panama
11705	JLG3	B	....	Tokyo, Japan
	SBP	B	500	Stockholm, Sweden
11710	....	B	....	Saigon, French Indo-China
	XEWB	B	15	Guadalajara, aJl., Mexico
	YSM	..	....	San Salvador, El Salvador
11718	CR7BH	B	200	Lourenco Marques, Portuguese East Africa
	TPA4	B	....	Paris, France
11720	CRX	B	2000	Winnipeg, Man., Canada
	TPB9	B	25000	Paris, France
11721	ZP14	B	....	Villarrica, Paraguay
11725	YVW3	B	....	Nazaki, Japan
11730	PHI	B	23600	Hilversum, Netherlands
	WSLA	B	20000	Boston, Mass.
	WSLR	B	20000	Boston, Mass.
1735	LKQ	B	5000	Oslo, Norway
11740	HP5L	B	350	David, Panama
	HVJ	B	15000	Vatican City
	....	B	....	Athlone, Ireland
11750	GSD	B	20000	London, Gt. Britain
11753	COCX	B	....	Havana, Cuba
11760	I2RO15	B	....	Rome, Italy
	TGWA	B	10000	Guatemala City, Guatemala
	XETA	B	1000	Monterrey, N. L., Mexico
11770	DJD	B	50000	Berlin, Germany
	WTCY	B	....	Hsingking, Manchukuo
11776	....	B	....	Luxembourg
11780	HH2X	B	....	Port-au-Prince, Haiti
	HP5G	B	750	Pana City, Panama
	OFE	B	....	Lahti, Finland
	....	B	....	Saigon, French Indo-China
11790	WSLA	B	20000	Boston, Mass.
11795	DJO	B	....	Berlin, Germany
11796	OAX5A	B	100	Ica, Peru
11800	COGF	B	1000	Matanzas, Cuba
	JZJ	B	50000	Tokyo, Japan
11801	DJZ	B	50000	Vienna, Germany
11810	I2RO4	B	100000	Rome, Italy
	XGOK	B	....	Canton, China
11820	GSN	B	....	London, Gt. Britain
	XEBR	B	150	Hermosillo, Son., Mexico
11830	WCBX	B	10000	New York City
11840	KZRM	B	....	Manila, Philippines
11845	TPB8	B	25000	Paris, France
11850	HAD	B	....	Budapest, Hungary
11855	DJP	B	50000	Berlin, Germany
11860	GSE	B	20000	London, Gt. Britain
	YDB	B	1000	Sourabaya, Java, N.E.I.
11870	VUM2	B	10000	Madras, India
	WLWO	B	10000	Cincinnati, Ohio
	WPIT	B	40000	Pittsburgh, Pa.
	....	B	....	Strasbourg, France
11880	VLR3	B	2000	Melbourne, Vic., Australia
	XEUZ	B	100	Mexico City, D. F., Mexico
	XEXA	B	100	Mexico City, D. F., Mexico
11885	TPB7	B	25000	Paris, France



11895	HP5I	B	....	Aguadulce, Panama
11900	CD1190	B	....	Valdivia, Chile
	I2RO13	B	100000	Rome, Italy
	LYZ3	B	....	Kaunas, Lithuania
	TPA3	B	....	Paris, France
	XEWI	B	400	Mexico City, D. F., Mexico
	XGOY	B	....	Chungking, China
	XMHA	B	....	Shanghai, China
	....	B	....	Hanoi, French Indo-China
11905	HRM2	C	400	Tela, Honduras. Tela Railroad Co.
11910	KIKL	FA	....	Los Angeles, Calif. Aeronautical Radio, Inc.
	WGLP	FA	150	Portable. Same as KIKL
	WMEP	FA	....	Suffield, Ohio. Same as KIKL
	WMEW	FA	....	Portable. Same as KIKL
	WQEP	FA	....	Portable. Same as KIKL
	WQEQ	FA	....	Portable. Same as KIKL
11920	T12XD	B	....	San Jose, Costa Rica
11930	PPH	B	....	Rio de Janeiro, Brazil
11955	IUC	B	....	Addis Ababa, Italian East Africa
11960	HI2X	B	900	Trujillo, Dominican Republic
	KBRN	FA	3000	Brownsville, Texas. Aeronautical Radio, Inc.
	WAHY	FA	1000	Memphis, Tenn. Same as KBRN
	WOET	FA	1000	Charlotte, N. C. Same as KBRN
	WSJM	FA	400	Tampa, Fla. Same as KBRN
11965	CB1180	B	....	"Radio Nacional y Cultural," Chile
	HRA2	C	400	Puerto Castilla, Honduras. Tela R. R. Co.
11970	CPP7	C	....	Viacha, Bolivia
12000	RNE	B	20000	Moscow, U.S.S.R.
12120	TPZ	B	....	Alger, Algeria. L'Enfeneur en Chef des P.T.T., 137 rue de Constantine, Alger.
12150	GBS	T	15000	Rugby, Gt. Britain
12195	K7XFU	..	....	Juneau, Alaska. Alaska Aeronautics and Com- munications Commission
12230	COCF	B	....	Havana, Cuba
12235	TFJ	B	7500	Reykjavik, Iceland
12290	GBU	T	....	Rugby, Gt. Britain
12320	VOAC	FA	....	Grand Falls, Newfoundland. Nfld. Airport, Squadron Leader H. A. L. Pattison.
12330	WAQI	FA	....	Port Washington, N. Y. Pan-American Airways, Inc.
12420	KHCIY	A	100	NC-18997. American Export Airlines
12460	HCJB	B	....	Quito, Ecuador
12508	PPR	C	....	Rio de Janeiro, Brazil
12630	NAA	Time	....	Arlington, Va.
12675	....	B	....	Guayaquil, Ecuador
12680	....	..	....	Duala, French Cameroons
12682	W2XGB	GE	10000	Hicksville, N. Y. Press Wireless, Inc.
12765	VP2LO	B	500	St. Kitts, British West Indies
12830	CNR	C	12000	Rabat, Morocco. Direction de l'Office des PTT.
12840	WOO	T	20000	Ocean Gate, N. J. American Teleph. & Teleg. Co., 32 Sixth Ave., NYC.
12862	KRTA	E	125	Snow Cruiser, Little America. Byrd Antarctic Expedition.
	KRTC	E	125	East Base, Little America. Same as KRTA
	KRTK	E	125	West Base, Little America. Same as KRTA
1262 1/2	KHRH	RB	100	NC-19904. Howard R. Hughes, NYC.
	KSFM	RB	....	New York City. NBC Inc.
	K6XAK	GE	1500	Kaena Point, Hawaii. Globe Wireless, Ltd.
	WCBN	RB	....	New York City. CBS, Inc.
	WNBM	RB	....	New York City. CBS, Inc.
	W2XAA	..	....	Portable. Bell Telephone Labs.
	W4XID	El	50	W. Palm Beach, Fla. Gray Radio Co.
	W4XIJ	FA	1000	Coral Gables, Fla. Pan-American Airways
	W6XQW	GE	1000	Palo Alto, Calif. Standard University
	W6XXT	GE	5000	Portable. Press Wireless, tLd.
	W7XBA	E	15	Portable. Northern Radio Co.
	W7XEY	El	60	Seattle, Wash. Radio Labs., Inc.
	W7XEZ	El	60	Seattle, Wash. Radio Labs., Inc.
	W8XUK	GE	10	Portable. W. Va. Univ. Dept. of Physics.
	W8XUL	GE	10	Portable. W. Va. Univ. Dept. of Physics.
	W9XDH	GE	1000	Elgin, Ill. Press Wireless, Inc.
	W9XEI	GE	400	Lake Bluff, Ill. Thorne Donnelley
	W10XJF	E	....	Yacht "Mako." Thorne Donnelley
	W10XJJ	GE	25	Portable. Harvey Radio Labs., Inc.
12870	VVS	B	1500	Mineralogon, Burma
12885	NPG	Time	....	San Francisco, Calif.
12980	WFB	C	800	New Orleans, La. Tropical Radio Teleg. Co.
12998	TYC1	C	....	Ste. Assise, France
13000	CR6AA	B	....	Lobito, Angola

13060	HRE3	C	400	Tegucigalpa, Honduras. Tropical Radio Telegraph Co.
	HRI3	C	400	La Lima, Honduras. Tela R. R. Co.
13075	VPD	B	....	Suva, Fiji
13200	CFU	C	....	Annable, B. C. Consoliadted Mining & Smelting Co.
13260	VVN	..	750	Fort Madras, India
	ZMBJ	B	....	T.S.S. "Awatea." Union Steam Ship Co. of New Zealand, Ltd.
13337	YVQ	T	....	Maracay, Venezuela
13380	IDU	T	....	Asmara, Eritrea.
13410	HHS	T	....	Port-au-Prince, Haiti
	WCT	T	400	San Juan, Puerto Rico. Radio Corp. of P. R.
13530	TDH	T	....	Shinkio, Manchukuo
13585	GBF	T	....	Rugby, Gt. Britain
13650	HRU5	C	400	Puerto Castilla, Honduras. Tela R. R. Co.
13690	KKZ	..	....	Bolinas, Calif.
13705	WQAD	C	1000	Creston, Ind. R.C.A. Communications.
13745	CGA2	T	....	Drummondville, P. Q.
13760	TYE2	T	20000	Pontoise, France. Societe Francaise Radio- Electrique, 79 Blvd. Haussmann, Paris.
13780	KKW	..	....	Bolinas, Calif.
13810	HRM	C	400	Tela, Honduras. Tela R. R. Co.
13815	SDE	..	....	Varberg, Sweden
13820	SUZ	T	....	Cairo, Egypt
13880	VJZ	T	....	Raboul, New Guinea
13900	WQP	T	....	Rock Point, N. Y.
	YN3DG	B	....	Leon, Nicaragua
13950	LSB	C	....	Buenos Aires, Argentina
13980	TDC	T	....	Shinkio, Manchukuo. Man. Telegraph & Telephone Co., Ltd.
13990	CLX	G	250	Havana, Cuba. Observatorio Nacional, Casa Blanca
	GBA2	T	....	Rugby, Gt. Britain
13995	CLA5	G	200	Havana, Cuba. Direccion de Radio, Secretaria de Comunicaciones, Oficios 40
14000				
	to Amateurs			
1440				
14050	EA9AH	B	500	Tetuan, Spanish Morocco
14122	YV9AB	..	....	In Venezuela on Guiana-Brazil Border Expedicion Tecnico de Minería y Geologia, Ministerio de Fomento, Caracas
14125	YV9AB	..	....	Same as above.
14150	KC4USA	..	500	West Base, Little America. Byrd Antarctic Expedition
	KC4USA	..	500	East Base, Little America. Same as KC4USA
	KC4USC	..	500	Snow Cruiser, Little America. Same as KC4USA
14164	PIIJ	B	50	Dortrecht, Netherlands
14420	HC1JB	B	....	Quito, Ecuador
14440	GBW	T	15000	Rugby, Gt. Britain.
14460	DZH	T	....	Berlin, Germany
14470	WDO	T	20000	Ocean Gate, N. J.
	WMF	T	....	Lawrenceville, N. J.
14480	YNA	T	....	Managua, Nicaragua
14485	HJA3	T	....	Bogota, Colombia
	HPF	T	....	Panama City, Panama
	HRF	T	400	Tegucigalpa, Honduras. Tropical Radio & Telegraph Co.
	YSJ	T	....	San Salvador, E. S. Telegrafos, Telefonos y Radio Nacionales
14500	LSM2	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143
14530	LSN1	T	....	Buenos Aires, Argentina. Cia. Internacional de Radio, Defensa 143.
14535	HBJ	B	....	Geneva, Switzerland
14545	TGF	T	....	Guatemala City, Guatemala
	TIU	T	....	Cartago, Costa Rica. Cia. Radiografica Inter- nacional de C. R.
14590	WMN	T	80000	Lawrenceville, N. J.
14595	PVA3	C	....	Alcobaca, Brazil
14635	GBL	T	....	Rugby Gt. Britain
14640	JVH	T	20000	Nabaki, Japan
14695	KNR	C	....	Clearwater, Calif. Mackay Radio and Telegraph Co.
14736	IQH	..	....	Rome, Italy, Italo Radio
14795	IOA	B	....	Rome, Italy
14797 1/2	W2XYR	GE	125	Wilmington, N. Y. Whiteface Mountain Meterological Observatory

14800	WOV	..	....	Rocky Point, N. Y.
14845	OCJ2	T	....	Lima, Peru
14900	LZA	B	1500	Sofia, Bulgaria
14910	JVG	T	....	Nazaki, Japan
14930	HJB	T	....	Bogota, Colombia
14935	PSE	B	....	Janeiro, Brazil
14940	HIR	T	....	Trujillo, Dominican Republic.
	HJA3	T	....	Barranquilla, Colombia
14950	CPP8	C	....	Viacha, Bolivia
	CPX3	C	....	Yacuiba, Bolivia
14960	YSL	C	....	San Salvador E. S. Telegrafos, Telefonos y Radio Nacionales
1490	KAY	C	....	Mansia, Philippines
15000	WWV	G	....	Beltsville, Md.
15040	RKI	B	....	Moscow, U.S.S.R.
	WYG	FA	....	Kelly Field, Texas
15055	WNC	T	400	Hialeah, Fla.
15080	RKI	B	....	Moscow, U.S.S.R.
15100	I2RO12	B	100000	Rome, Italy
15105	JLG4	T	....	Nazaki, Japan
15110	DJL	B	50000	Berlin, Germany
15115	JLR2	T	....	Nazaki, Japan
15120	HVJ	B	15000	Vatican City
	....	B	....	Athlone, Ireland
15130	TPB6	B	25000	Paris, France
	WSLA	B	20000	Boston, Mass.
	WSLR	B	20000	Boston, Mass.
15135	JLU3	T	....	Nazaki, Japan
15140	GSF	B	15000	London, Gt. Britain
15150	YDC	T	3000	Bandoeng, Java, N.E.I.
15155	SM5SX	B	500	Stockholm, Sweden
15160	JZK	B	50000	Delhi, India
	VUD3	B	5000	Mexico City, D. F., Mexico
	XEWV	B	10000	Montevideo, Uruguay
15170	CXA14	B	....	Oslo, Norway
	LKV	B	5000	Guatemala City, Guatemala
	TGWA	B	10000	London, Gt. Britain
15190	OIE	B	....	Moscow U.S.S.R.
15180	GSO	B	....	Lahti, Finland
15200	DJB	B	8000	Ankara, Turkey
	RW96	B	100000	Berlin, Germany
15195	TAQ	B	20000	Lungtso, China
	XGOX	B	....	Pittsburgh, Pa.
15210	WPIT	B	40000	Hilversum, Netherlands
15220	PCJ2	B	60000	Nazaki, Japan
15225	JLT3	T	....	Nazaki, Japan
15235	JVW4	T	....	Lourenco Marques, Mozambique
15240	CR7BD	B	....	Paris, France
	TPB5	B	25000	Paris, France
15250	WSLA	B	20000	Boston, Mass.
15260	GSJ	B	....	London, Gt. Britain
15270	WCAB	B	10000	Philadelphia, Pa.
	WCBZ	B	10000	New York City

(To be continued in the next issue)

Explanation of the Third Column Symbols:

A—Aircraft.	EM—Emergency.
B—Broadcast.	SEM—Special emergency.
C—Commercial Telegraph.	MF—Marine fire.
F—Forestry.	MR—Marine Relay.
G—Government.	PR—Press relay.
P—Police.	RB—Relay broadcast.
S—Ship.	FAC—Facsimile.
T—Radio Telephone.	TV—Television video.
FA—Aeronautical (ground).	TA—Television audio.
FMB—Frequency modulated broadcasting station.	NCE—Non-commercial educational.
GEO—Geophysical.	CC—Coastal Telegraph.
RC—Circular radiobeacon.	CH—Coastal harbor.
RD—Directional radiobeacon.	CHC—Coastal harbor telegraph.
RG—Direction finding station.	CHT—Coastal harbor telephone.
LH—Lighthouse.	E
RR—Radio range station.	E1
MP—Municipal police.	E2
SP—State police.	E3
ZP—Zone police.	GE—General Experimental.
	SE—Special Experimental.

All the Mobile and Portable-Mobile police stations installed in police automobiles bear the same call letters as the Fixed police broadcast station to which they report, and in many cases they work on the same frequency. We list herewith the Fixed station, and in parentheses we show the number, and the power of the Portable and Portable-Mobile units attached to that station, as for example: WRHD MP 250 Louisville, Ky. (2 units-12 w).

## Applications to the FCC

CP—Construction permit.  
mod.—modification.  
lic.—license.  
ltd.—limited time.  
unltd.—unlimited time.  
S. H.—specified hours.

KDON, Monterey, CP 500(1), 1440 kcs.  
KEEN, Seattle, CP 1370 kcs. to 1420 kcs.  
KFBB, Great Falls, mod. of lic. for 900 kcs.,  
5 kw.  
KFIO, Spokane, CP 950 kcs., 1 kw. unltd.  
KFNF, Shenandoah, mod. of CP to move  
to Council Bluffs.  
KFPW, Ft. Smith, CP 1370 kcs.  
KFRU, Columbia, to 1370 kcs., 250 w. unltd.  
KFYO, Lubbock, to 1380 kcs., 500(1).  
KGDH, Stockton, 1530 kcs., 1 kw. unltd.  
KMCC, San Antonio, CP 930 kcs., 1000 w.  
unltd.  
KOVV, Valley City, CP 1340 kcs., 500(1).  
KOY, Phoenix, mod. of lic. for 350 kcs.  
KRBC, Abilene, CP 940 from 1420; 1 kw.  
KRMC, Jamestown, CP 900 kcs., 1 kw.  
KRRV, Sherman, CP 880 kcs., 1 kw. unltd.  
KSD, St. Louis, CP 630 kcs.  
KSEI, Pocatello, CP 600 kcs., 1 kw. unltd.  
KTBS, Shreveport, CP 620 kcs., 1000(5)  
unltd.  
KWK, St. Louis, CP 630 kcs.  
KXL, Portland, CP 730 kcs., 10 kw. unltd.  
KXOK, St. Louis, CP 630 kcs., 1000(5).  
KXYZ, Houston, CP 710 kcs.; 10 kw.  
KYOS, Merced, CP 1390 from 1040; 500(1)  
unltd.  
WAPI, Birmingham, CP 1050 kcs., kw.  
WCAD, Canton, CP Watertown, N. Y.  
WCOL, Columbus, to 1200 kcs., 250 w. unltd.  
WGBF, Evansville, CP 1250 kcs., 1000(5)  
unltd.  
WGRC, New Albany, CP 880 kcs., 250 w.  
unltd.  
WHA, Madison, CP 670 kcs. 50 kw. unltd.  
(facilities of WMAQ).  
WIBC, Indianapolis, mod. lic. 1130 from  
1050; 1 kw.  
WJJD, Chicago, CP 1040 from 1130;  
10000(25) unltd.  
WKAQ, San Juan, CP 620 kcs. 5 kw.  
WLAP, Lexington, CP 1270 kcs. 1 kw. unltd.  
WMBC, Detroit, CP 600 kcs.  
WREN, Lawrence, CP Kansas City.  
WROL, Knoxville, CP 620 kcs. 500(1).  
WSBT, South Bend, CP 930 kcs. 500 w.  
unltd.  
WSFA, Montgomery, CP 1410 kcs. 1 kw.  
unltd.  
WSPR, Springfield, CP 1240 from 1140; 500  
w unltd.  
WTJS, Jackson, CP 1380 from 1310; 1 kw.;  
mod. lic'd 250 unltd.  
WWVA, Wheeling, CP 1140 from 1160; 50  
kw.

### Applications for New Stations

Albemarle, N. C., Albemarle Brcdstg. Sta-  
tion, 1370 kcs. 100 w. days.  
Arlington, Va., Arlington Brcdstg. Corp., 1420  
kcs 250 unltd.  
Asheville, N. C., Publix-Barnford Theaters,  
Inc., 1430 kcs. 1 kw. unltd.  
Atlantic City, N. J., Atl. City Brcdstg. Co.,  
1100 kcs. 5 kw. sharing with WBIL.

Atlantic City, N. J., Neptune Brcdstg. Corp.,  
1420 kcs. 100(25).  
Bainbridge, Ga., Post Search Light Co., 1500  
kcs., 100(25).  
Bellingham, Wash., Bell Brcdstg. Co., Inc.,  
1200 kcs. 100(25).  
Birmingham, Ala., B. News Co., 590 kcs. 1  
kw. unltd.  
Boston, Mass., Mayflower Brcdstg. Corp.,  
1410 kcs. 500(1).  
Bridgeport, Conn., Chas. Greenblatt, 1190  
kcs. 250 w. ltd.  
Bridgeport, Conn., Harold Thomas, 1420 kcs.  
250 unltd.  
Brownwood, Tex., Brown County Brcdstg.  
Co., 990 kcs. 1 kw. days.  
Burlington, Iowa, Burlington Brcdstg. Co.  
Burlington, N. C., Burlington Brcdstg. Co.,  
1420 kcs., 100 D.  
Burlington, N. C., Central Carolina Brcdstg.  
Co., 1420 kcs., 250 unltd.  
kcs. 100 w. unltd.  
Cedar Rapids, Iowa, The Gazette Co., 1420  
Cheyenne, Wyo., Western Brcdstg. Co., 1210  
kcs. 100(25).  
Cleveland, Ohio, Cuyahoga Valley Brcdstg.  
Co., 1500 kcs. 100 w. days.  
Clinton, Iowa, Clinton Brcdstg. Corp.  
Columbus, Miss., Birney Imes, 1370 kcs.  
100(25) unltd.  
Ely, Nev. Eastern Nev. Brcdstg. Co., 1500  
kcs. 100 days.  
Everett, Wash., Cascade Brcdstg. Co., 1420  
kcs. 100(25) unltd.  
Ft. Myers, Fla., Palm Radio Co., 1210 kcs.,  
250 unltd.  
Greenville, Tex., Hunt Brcdstg. Assn., 940  
kcs., 1 kw D.  
Hannibal, Mo., Courier Post Pub. Co.  
High Point, N. C., High Point Brcdstg. Co.,  
1120 kcs., 250 unltd.  
Jacksonville, Ill., Stephenson, Edge & Kors-  
meyer, 1370 kcs., 250 unltd.  
Kosciusko, Miss., P. K. Ewing, 1500 kcs.,  
100(25) unltd.  
Las Vegas, Nev., Las Vegas Brcdstg. Co.,  
1420 kcs. 100(25).  
Las Vegas, Nev., Nev. Brcdstg. Co., 1370  
kcs. 100(25) unltd.  
Lookout Mt., Ga., Lookout Mt. Corp., of Ga.,  
1370 kcs., 100(25).  
Louisville, Ky., Gateway Brcdstg. Co., 880  
kcs. 500 unltd.  
Miles City, Mont., E. E. Krebsbach 1310 kcs.,  
100(25).  
Miles City, Mont., Star Printing Co., 1310  
kcs., 250 unltd.  
Norfolk, Va., Colonial Brcdstg. Corp., 1370  
kcs. 100(26).  
North Sacramento, Calif., Grant Union High  
School District, 1530 kcs., 1 kw.  
Pawtucket, R. I., Pawtucket Brcdstg. Co.,  
1390 kcs. 1 kw. unltd.  
Pontiac, Mich., King-Trendle Brcdstg. Corp.,  
1440 kcs. 250 unltd.  
Riverside, Calif., Brcdstg. Corp. of America,  
1390 kcs. 1 kw.  
Riverside, Calif., Richard T. Sampson, 1390  
kcs. 250 days.  
Rochester, N. Y., Edward J. Doyle, 1270  
kcs. 500 days.  
Salina, N. Y., Sentinel Brcdstg. Corp., 620  
kcs. 1 kw. unltd.  
Sandusky, Mich., Thumb Brcdstg. Co., 880  
kcs. 1 kw. days.  
San Diego, Calif., Jack Hazard, 1430 kcs.,  
500 w. unltd.  
San Juan, P. R., Enrique Abarca Sanfells,  
580 kcs. 1 kw. unltd.

San Juan, P. R., United Theaters, Inc., 580 kcs. 1 kw. unlt'd.  
 Santa Monica, Calif., A. E. Austin, 1160 kcs. 100(.25).  
 Shelby, N. C., Jos. A. Lattimore, 1370 kcs. 100(.25) unlt'd.  
 Springfield, Ohio, Radio Voice of Springfield, 1310 kcs. 100 unlt'd.  
 Springfield, Ohio, S. Radio Corp., 1310 kcs. 100 unlt'd.  
 Springfield, Ohio, S. Radio Service, 780 kcs. 250 days.  
 Steubenville, Ohio, Valley Brdcstg. Co., 930 kcs., 1 kw D.  
 Tacoma, Wash., Tacoma Brdcstg. Co., 1420 kcs. 100(.25).  
 Tacoma, Wash., Michael J. Mingo, 1400 kcs. 250 unlt'd.  
 Traverse City, Mich., Northern Brdcstg. Co., 570 kcs. 500 days.

Valdosta, Ga., John F. Arrington, Jr., 1230 kcs. 250 unlt'd.  
 Watertown, N. Y., Black River Valley Brdcstg. Co.  
 Watertown, N. Y., Watertown Brdcstg. Corp.  
 Watertown, S. Dak., Midland Brdcstg. Co., 1210 kcs., 100(.25).  
 kcs. 250 days.  
 Wisconsin Rapids, Wis., Wm. F. Huffman, 1310 kcs., 100(.25).  
 Worcester, Mass., Winfield A. Schuster, 1200 kcs. 100 unlt'd.  
 Worcester, Mass., C. T. Sherer Co., Inc., 1200 kcs. 100(.25).

**Stations Using Special Frequencies**

Call	City	Assigned	Using
KTHS	Hot Springs	1040	1060
KWKH	Shreveport	850	1100
WTIC	Hartford	1060	1040

**The Month's Changes in Station Data**

**New**  
 1200 ..... Logan, W. Va.  
 1200 ..... Orlando, Fla.  
 1200 ..... Phoenix, Ariz.  
 1200 ..... Roanoke Rapids, N. C.  
 1300 ..... Minneapolis, Minn.  
 1310 ..... Washington, D. C.  
 1370 ..... Kingsport, Tenn.  
 1370 ..... Opelika, Ala.  
 1370 ..... Scranton, Pa.  
 1420 ..... Marysville, Calif.  
 1420 ..... Valdosta, Ga.  
 1500 ..... Eric, Pa.  
**Reinstated**  
 1530 ..... Akron, Ohio  
**Frequency**  
 1200 WBOW Terre Haute Ind., from 1310  
 1220 KPAC Port Arthur, Tex., from 1260  
 1370 KFVS Cape Girardeau Mo., from 1210  
**Power**  
 590 WEEI Boston, 5000 from 1000(5)  
 630 WPRO Providence, 1000(5) from 500(1)  
 710 KMPC Beverly Hills, 1000(5) from 500  
 940 WICA Ashtabula, 500 from 250  
 1120 WJBO Baton Rouge, 1000 from 500  
 1200 KVCV Redding, 250 from 100  
 1200 KVNU Logan, 250 from 100  
 1200 WBOW Terre Haute, 250 from 100(.25)  
 1200 WJRD Tuscaloosa, 100(.25) from 250 D.  
 1200 WTOL Toledo, 250 from 100  
 1210 KANS Wichita, 250 from 100  
 1210 KHBG Okmulgee, 250 from 100  
 1260 KHSL Chico, 500(1) from 250  
 1310 KWOC Poplar Bluff, 250 from 100  
 1310 WGTM Wilson, 250 from 100  
 1370 KVFD Fort Dodge, 250 from 100(.25)  
 1370 KVGB Great Bend, 250 from 100  
 1420 WMFJ Daytona Beach, 250 from 100  
 1500 KROD El Paso, 250 from 100  
 1500 KUTA Salt Lake City, 250 from 100  
**Call Letters**  
 1370 WORD Spartanburg S. C., from WHTR  
**Location**  
 1200 WHBY Appleton Wis., from Green Bay  
**Network**  
 550 WGR Buffalo, new MBS  
 710 KMPC Beverly Hills, new CBS  
 1200 WCAX Burlington, new CBS

1210 WSAY Rochester, new MBS  
 1210 WTMA Charleston, new NBC  
 1310 WSAV Savannah, new NBC  
 1370 WATL Atlanta, new MBS  
**Delete**  
 1120 KTBC Austin, Texas  
 1310 KAND Corsicana, Texas  
 1310 KRBA Lufkin, Texas  
 1420 KNET Palestine, Texas  
 1500 KGKB Tyler, Texas  
 1500 KSAM Huntsville, Texas  
**Permit to Change Power**  
 550 WSWA Harrisonburg to 1000  
 560 KLZ Denver to 5000  
 590 WKZO Kalamazoo to 250(1)  
 610 KFRC San Francisco, to 5000  
 610 WIP Philadelphia, to 5000  
 630 WMAL Washington, to 5000  
 740 WHEB Portsmouth, to 1000  
 760 KXA Seattle, to 1000  
 770 KFAB Lincoln, to 50,000  
 850 WKAR E. Lansing, to 5000  
 880 WRNL Richmond to 1000  
 880 WSUI Iowa City, to 1000(5)  
 890 KFNF Shenandoah, to 1000(5)  
 900 KGBU Ketchikan, to 1000  
 940 KOIN Portland, to 5000  
 950 KMBC Kansas City, to 5000  
 950 WRC Washington, to 5000  
 990 XEX Mexico City, to 500  
 1120 KRSC Seattle, to 1000  
 1200 KADA Ada, to 250  
 1200 WJBW New Orleans, to 250  
 1200 WSKB McComb, to 250  
 1210 KFPW Fort Smith, to 250  
 1210 WCOL Columbus, to 250  
 1210 WHIZ Zanesville, to 250  
 1210 WTEJ Hagerstown to 500  
 1220 WCAE Pittsburgh, to 5000  
 1220 WDAE Tampa, to 5000  
 1300 WFBC Greenville, to 5000  
 1310 KRRV Sherman, to 1000  
 1310 KTSM El Paso, to 500  
 1310 WNBH New Bedford to 250  
 1320 KGMB Honolulu, to 5000  
 1320 WADC Akron to 5000  
 1320 WSMB New Orleans, to 5000  
 1330 KGB San Diego, to 5000  
 1330 KSCJ Sioux City to 5000  
 1330 WDRC Hartford to 5000  
 1330 WSAI Cincinnati, to 5000  
 1330 WTAO Green Bay, to 5000  
 1340 WSPD Toledo, to 5000  
 1350 KWK St. Louis, to 5000  
 1350 WMBG Richmond, to 1000(5)  
 1370 KERN Bakersfield, to 1000  
 1370 KFRO Longview, to 1000  
 1370 WMSL Decatur, to 250  
 1370 WPRM Mayaguez, to 1000(2.5)

# NORTH AMERICAN BROADCASTING STATIONS BY FREQUENCIES WITH VERIFICATION SIGNERS

As Shown in the  
Index by Frequencies

## KEY TO SYMBOLS

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

### 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.
- H—Assigned another frequency using this one under Special Authorization.
- J—Assigned lower power but using this power under Special Authorization.
- K—Licensed for facsimile.
- L—Limited time.
- M—Mutual Network.

- N—National "Red" and "Blue" Networks.
- P—Has Construction Permit only.
- Q—Station not in use.
- R—National "Red" Network.
- S—Synchronized.
- X—Has Permit to change power.
- Y—Has Permit to change location.
- Z—Has Permit to change frequency.
- a-b-c—Small letters show stations using same trans-

- mitter.
- 1-2-3—Figures denote stations sharing time.
- ?—Reported but not officially confirmed.
- ....—No information.
- 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.

### 540 kcs. (552.2 m.)

CBK F 50000

a Watrous, Sask. ....

### 550 kcs. (545.1 m.)

CFNB F 1000  
 CMW ... 2500  
 KFUB 2 500(1)  
 KFVR N 1000(5)  
 KOAC ... 1000  
 KSD 2R 1000(5)  
 KTSA C 1000(5)  
 WDEV D 1000  
 WGR CM 1000(5)  
 WKRC 1000(5)  
 WSWA DX 500

a Fredericton, N. B. ....  
 a Havana, Cuba ....  
 a St. Louis, Mo. ....  
 a Bismarck, N. Dak. ....  
 a Corvallis, Ore. ....  
 a St. Louis, Mo. ....  
 a San Antonio, Texas ....  
 a Waterbury, Vt. ....  
 a Buffalo, N. Y. ....  
 a Cincinnati, Ohio ....  
 a Harrisonburg, Va. ....  
 Herman Hohenstein Mgr.  
 W. R. Griffin, DX Ann'c.  
 Luke L. Roberts, Mgr.  
 Geo. Burbach, Mgr.  
 G. W. Johnson, Mgr.  
 Melvin Stickles, Ch. Eng.  
 I. R. Lounsbury, Gen. Mgr.  
 Vera Tyson  
 Wendell Siler Prog. Dir.

### 560 kcs. (535.4 m.)

KFDM N 1000  
 KLZ CX 1000(5)  
 KSFO C 1000(5)  
 KWTO D 5000  
 WFIL BM 1000  
 WIND C 1000(5)  
 WIS N 1000(5)  
 WQAM C 1000

a Beaumont, Texas  
 a Denver, Colo.  
 a San Francisco, Calif.  
 a Springfield, Mo.  
 a Philadelphia, Pa.  
 a Gary, Ind.  
 a Columbia, S. C.  
 a Miami, Fla.  
 Bernice Anderson, Sec'y.  
 G. W. Meyer, Mgr.  
 Philip G. Lasky, Mgr.  
 Ralph D. Foster, Mgr.  
 Roger W. Clipp, Gen. Mgr.  
 Kenneth Shirk, Ch. Eng.  
 Floyd Rodgers, Prog. Dir.  
 Norman MacKay, Prog. Dir.

### 570 kcs. (526 m.)

KGKO N 1000(5)  
 KMTR ... 1000  
 KVI C 1000(5)  
 T15CV 575 100  
 WKBN C1 500(1)  
 WMAM D 250  
 WMCA ... 1000  
 WNAX C 1000(5)  
 WOSU G1 1000  
 WSYR Ba 1000  
 WSYU Qa 1000  
 WWNC C 1000  
 .... P 1000

a Fort Worth, Tex.  
 a Los Angeles, Calif.  
 a Tacoma, Wash.  
 z Alajuela, Costa Rica  
 a Youngstown, Ohio  
 z Marinette, Wis.  
 a New York, N. Y.  
 a Yankton, S. Dak.  
 a Columbus, Ohio  
 a Syracuse, N. Y.  
 a Syracuse, N. Y.  
 a Asheville, N. C.  
 z Santa Clara, Cuba  
 Harold V. Hough, Mgr.  
 Kenneth Tinkham, Mgr.  
 J. W. Wallace, Ch. Eng.  
 Carlos Vidache A.  
 C. L. Lindberg  
 ....  
 F. Hapton  
 Clifton Todd, Ch. Eng.  
 A. Hammerschmidt, Ch. Eng.  
 Armand G. Belle Isle Chi. Eng.  
 Armand G. Belle Isle Chi. Eng.  
 G. B. Hoskins Ch. Eng.  
 ....

### 580 kcs. (516.9 m.)

CFPR ... 50  
 CHRC ... 100  
 CKCL F 100  
 CKPR F 1000

a Prince Rupert, B. C. Felix E. Batt  
 a Quebec, P. Q. ....  
 a Toronto, Ont. ....  
 a Fort William, Ont. ....

CKUA	F	500
KMJ	EKN	1000
KSAC	Z	500(1)
WCHS	C	500(5)
WDBO	C	1000(5)
WIBW	C2	1000(5)
WILL	D	5000
WTAG	R	1000
XEMU	...	250

**590 kcs. (508.2 m.)**

CMCY	...	15000
KHQ	ER	5000
WEEL	C	5000
WKZO	BDX	1000
WOW	R	5000

**600 kcs. (499.7 m.)**

CFCF	BF	500
CFQC	F	1000
CJOR	...	500
FQN	609	250
KFSD	B	1000
TIGPH	605	1000
WCAO	C	500(1)
WICC	BM	500(1)
WMT	BM	1000(5)
WREC	C	1000(5)

**610 kcs. (491.5 m.)**

CHNC	F	1000
KFAR	...	1000
KFRC	MX	1000(5)
WCLE	DM	500
WDAF	R	5000
WIOD	Na	1000
WIP	X	1000
WMBF	Qa	1000

**620 kcs. (483.6 m.)**

KGW	R	1000(5)
KTAR	N	1000
KWFT	C	250(1)
TIPG	625	5000
WFLA	Na	1000(5)
WHJB	D	250
WLBZ	MN	500(1)
WSUN	Na	1000(5)
WTMJ	N	1000(5)

**630 kcs. (475.9 m.)**

CFCO	F	100
CFCY	F	1000
CJRC	F	1000
CKOV	F	1000
CMCD	...	15000
KFRU	i	500(1)
KGFX	D	200
KVOD	B	1000
WGBF	NI	500(1)
WMAL	BX	250(5)
WPRO	C	1000(5)
XEZ	...	2000

**640 kcs. (468.5 m.)**

HOK	...	5000
KFI	R	12500
VONF	...	500
WGAN	CL	500
WHKC	LM	500
WOI	D	5000
XEBX	...	250
YSS	...	500

b	Edmonton, Alta.
a	Fresno, Calif.
a	Manhattan, Kans.
a	Charleston, W. Va.
a	Orlando, Fla.
a	Topeka, Kans.
a	Urbana, Ill.
a	Worcester, Mass.
z	Piedras Negras, Coah.

a	Havana, Cuba
a	Spokane, Wash.
a	Boston, Mass.
a	Kalamazoo, Mich.
a	Omaha, Nebr.

a	Montreal, P. Q.
a	Saskatoon, Sask.
a	Vancouver, B. C.
a	St. Pierre, Miquelon
a	San Diego, Calif.
a	San Jose, Costa Rica
a	Baltimore, Md.
f	Bridgeport, Conn.
a	Cedar Rapids, Iowa
a	Memphis, Tenn.

a	New Carlisle, P. Q.
z	Fairbanks, Alaska
b	San Francisco, Calif.
a	Cleveland, Ohio
a	Kansas City, Mo.
a	Miami, Fla.
a	Philadelphia, Pa.
a	Miami, Fla.

a	Portland, Ore.
a	Phoenix, Ariz.
z	Wichita Falls, Tex.
b	San Jose Costa Rica
a	Tampa, Fla.
a	Greensburg, Pa.
a	Bangor, Maine
a	St. Petersburg, Fla.
a	Milwaukee, Wis.

a	Chatham, Ont.
a	Charlottetown, P. E. I.
a	Winnipeg, Man.
a	Kelona, B. C.
a	Havana, Cuba
a	Columbia, Mo.
a	Pierre, S. Dak.
a	Denver, Colo.
a	Evansville, Ind.
a	Washington, D. C.
a	Providence, R. I.
a	Merida, Yuc.

z	Colon, Panama
f	Los Angeles, Calif.
a	St. John's, Nfld.
a	Portland, Maine
a	Columbus, Ohio
a	Ames, Iowa
z	Sabinas, Coah.
a	San Salvador, E. S.

....	I. E. Dickinson, Ch. Eng.
....	L. L. Longsdorf Prog Dir.
....	Odes Robinson, Ch. Eng.
....	James E. Yarbrough Ch. Eng.
....	Ren Ludy, Gen. Mgr.
....	A. James Ebel, Ch. Eng.
....	Lillian Murphy, Prog Dir.
....	....

A. Valdes, Gen. Mgr.
Harvey Wixson, Mgr.
Margaret Grady
John Fetzer, Gen. Mgr.
Wm. Kotera, Ch. Eng.

Kenneth Paul, Ch. Eng.
A. A. Murphy, Gen. Mgr.
D. E. Laws, Mgr.
G. Salomon
Leah McMahon, Prog. Dir.
Gonzalo Pinto H.
M. W. Lewis
aGro Ray, Ch. Eng.
C. F. Quentin, Ch. Eng.
S. D. Wooten Jr., Ch. Eng.

Dr. Charles Houde, owner
A. E. Lathrop, owner
Ward Ingram, Mgr.
E. L. Gove, Tech. Sup.
J. A. Flaherty, Ch. Eng.
Ruth Richardson
James Allen Prog. Dir.
RADEX GAL 1

H. C. Singleton, Ch. Eng.
Richard Lewis, Mgr.
D. A. Kahn, Mgr.
Claudia Hartinos
W. Walter Tison, Mgr.
Walter McCoy, Ch. Eng.
Lucille Weeks
Louis Link, Ch. Eng.
Don Abert, Mgr.

John Beardall
John Q. Adams, Ch. Eng.
G. A. Titus, Mgr.
James Browne, Ch. Eng.
J. Benitez, Mgr.
Robert Haigh, Ch. Eng.
Robt. Dye, Ch. Eng.
T. C. Ekrem, Mgr.
Pat Roper, Prog Dir.
A. E. Johnson, Ch. Eng.
Margaret O'Rourke
Jorge Palomeque

....	Dorothy Roe
....	....
....	C. E. Gatchell
....	J. E. Anderson, Ch. Eng.
....	W. E. Stewart, Ch. Eng.
....	Benito Garzo O.
....	....

## 650 kcs. (461.3 m.)

TIGPH	P	5000
WSM	KN	5000

z	San Jose, C. R.
a	Nashville, Tenn.

Gonzalo Pinto H.  
Harry Stone, Gen. Mgr.

## 660 kcs. (454.3 m.)

CMJX	...	200
CMQA	...	200
KOWH	BD	500
WEAF	R	50000
XEAO	...	250

z	Camaguey, Cuba
z	Havana, Cuba
a	Omaha, Nebr.
a	New York, N. Y.
a	Mexicall, B. Cfa.

Rodolfo Gonzales S.  
Juan Fernandez D.  
W. F. Myers, Mgr.  
Audience Mail Dept.  
....

## 670 kcs. (447.5 m.)

WMAQ	R	50000
XELO	...	50000
....	P	1000

b	Chicago, Ill.
a	Tijuana, B. Cfa.
z	Jovellanos, Cuba

Audience Mail Dept.  
....  
....

## 680 kcs. (440.9 m.)

CMHW	...	200
KFEQ	...	500(2.5)
KPQ	R	50000
VAS	685	2000
WLAW	D	1000
WPTF	JN	5000

f	Santa Clara, Cuba
a	St. Joseph, Mo.
a	San Francisco, Calif.
f	Glace Bay, N. S.
a	Lawrence, Mass.
a	Raleigh, N. C.

Guillermo Domenech G.  
J. Wesley Koch, Ch. Eng.  
Audience Mail Supervisor  
....  
Geo. R. Leckley, Ch. Eng.  
Graham Poyner, Prog. Dir.

## 690 kcs. (434.5 m.)

CFRB	C	10000
CJCJ	F	100
CMBC	...	5000
TIGH	...	1000
XET	...	5000

a	Toronto, Ont.
a	Calgary, Alta.
z	Havana, Cuba
b	San Jose, Costa Rica
a	Monterrey, N. L.

H. Sedgwick, Man. Dir.  
R. H. Henderson, Ch. Eng.  
O. Fernandez  
Gonzalo Garcia  
....

## 700 kcs. (428.3 m.)

VOWR	...	500
WLW	KN	50000
WBXO	Exp	500000

b	St. John's, Nfld.
a	Cincinnati, Ohio
a	Cincinnati, Ohio

....  
Wilfred Guenther, Mgr.  
Wilfred Guenther, Mgr.

## 710 kcs. (422.3 m.)

CMGH	...	200
CMKS	...	200
KIRO	C	1000
KMPC	C	1000(5)
WOR	KM	50000
....	P	1000

a	Matanzas, Cuba
a	Guantanamo, Cuba
a	Seattle, Wash.
a	Beverly Hills, Calif.
a	Newark, N. J.
z	Camaguey, Cuba

....  
H. J. Quilliam, Mgr.  
L. A. Schamblin, Mgr.  
J. R. Poppele, Ch. Eng.  
....

## 720 kcs. (416.4 m.)

CMK	...	200
T14NRH	725	750
WGN	KM	50000
XEWE	...	20

a	Havana, Cuba
f	Heredia, Costa Rica
b	Chicago, Ill.
z	Silao, Gto.

Fausto Mentiel  
Amando Cespedes Marin  
Quinn A. Ryan, Gen. Mgr.  
....

## 730 kcs. (410.7 m.)

CFPL	F	100
CJCA	F	1000
CKAC	C	5000
XEPN	AQ	100000
XEQ	...	50000
....	P	1000

a	London, Ont.
a	Edmonton, Alta.
a	Montreal, P. Q.
a	Piedras Negras, Coah.
a	Mexico City, D. F.
z	Victoria Tunes, Cuba

L. J. Yorke, Ch. Eng.  
W. T. Cranston, Mgr.  
Leonard Spencer, Ch. Eng.  
....  
J. M. Marroqui II  
....

## 740 kcs. (405.2 m.)

KMMJ	L	1000
KTRB	D	250
WHEB	D	250
WSB	R	50000
XEH	...	250
....	P	1000

a	Grand Island, Nebr.
a	Modesto, Calif.
a	Portsmouth, N. H.
a	Atlanta, Ga.
a	Monterrey, N. L.
z	Guantanamo, Cuba

Randall Ryan, Mgr.  
Don R. Stevens  
T. R. McTammany, Mgr.  
C. F. Daugherty, Ch. Eng.  
Constantino de Ternava  
....



## 750 kcs. (399.8 m.)

CMBL	...	5000
KGU	LN	2500
TING	...	375
WJR	C	50000
XEAA	...	200
XEAM	...	25

- a Havana, Cuba
- a Honolulu, Hawaii
- z San Jose, Costa Rica
- a Detroit, Mich.
- a Mexicali, B. Cfa.
- z Matamoros, Tam.

Laureano Suarez  
 Marion A. Mulrony, Mgr.  
 Narcisco Garcia  
 Geraldine Elliott, Prog. Dir.  
 Alberto Gonzalez  
 Manuel L. Salinas

## 760 kcs. (394.5 m.)

KXA	X	250(.5)
WBAL	BHMS	2500
WCAL	D2	5000
WEW	D	1000
WJZ	B5	50000
WLB	D2	5000

- a Seattle, Wash.
- a Baltimore, Md.
- a Northfield, Minn.
- a St. Louis, Mo.
- a New York, N. Y.
- a Minneapolis, Minn.

Florence Wallace, Mgr.  
 Gerald Cooke, Ch. Eng.  
 Milford Jensen, Ch. Eng.  
 Geo. Rueppel, Ch. Eng.  
 Audience Mail Dept.  
 Waldemar Klima, Ch. Eng.

## 770 kcs. (389.4 m.)

KFAB	CSXZ	10000
TILJ	775	450
WBBM	CS	50000

- a Lincoln, Nebr.
- z San Jose, C. Rica
- a Chicago, Ill.

Mark W. Bullock, Tech. Dir.  
 Lola Monje Peralta  
 A. Boyes

## 780 kcs. (384.4 m.)

CHWK	F	100
CKSO	F	1000
CMQ	N	25000
KECA	...	1000(5)
KFDY	D	1000
KFQD	...	250
KGHL	N	1000(5)
KWLK	D	250
WEAN	BM	1000(5)
WMC	JR	5000
WPIC	D	250
WTAR	N	1000(5)
XEN	...	1000

- f Chilliwack, B. C.
- a Sudbury, Ont.
- a Havana, Cuba
- a Los Angeles, Calif.
- a Brookings, S. Dak.
- b Anchorage, Alaska
- a Billings, Mont.
- a Longview, Wash.
- a Providence, R. I.
- a Memphis, Tenn.
- a Sharon, Pa.
- g Norfolk, Va.
- a Mexico City, D. F.

Jack Pilling, Ch. Eng.  
 W. E. Mason  
 Miguel Gabriel, Adm.  
 Jack Gross, Mgr.  
 S. W. Jones, Mgr.  
 R. E. McDonald, Mgr.  
 Ed Yocum, Mgr.  
 M. F. Woodling, Mgr.  
 Rose M. Powers  
 J. C. Eggleston, Mgr.  
 John MacDonald, Eng.  
 Lee Chadwick, DX  
 Correspondent  
 Guillermina de del Conde

## 790 kcs. (379.5 m.)

KGO	B	7500
KOAM	DN	1000
WGY	R	50000
ZNS	...	1000

- a San Francisco, Calif.
- a Pittsburg, Kans.
- a Schenectady, N. Y.
- d Nassau, Bahamas

Lloyd E. Yoder, Mgr.  
 R. L. Jones, Eng.  
 W. J. Purcell, Ch. Eng.  
 K. P. Brown, Sec'y.

## 800 kcs. (374.8 m.)

HIX	...	800
TIXD	...	1000
WBAP	ENa	50000
WFAA	ENa	50000
WTBO	D	250

- a Trujillo, D. R.
- z San Jose, Costa R.
- a Fort Worth, Texas
- a Dallas, Texas
- a Cumberland, Md.

J. R. Saladin  
 Andrea Venegas  
 Ellen Flake, Sec'y.  
 Irvin Gross, Mgr.  
 Geo. R. Lenhart, Ch. Eng.

## 810 kcs. (370.2 m.)

CMCF	...	5000
WCCO	C	50000
WNYC	D	1000
XEBZ	...	100
XEDF	...	100

- a Havana, Cuba
- g Minneapolis, Minn.
- a New York, N. Y.
- a Mexico City, D. F.
- a Nuevo Laredo, Tam.

Oscar Gutierrez  
 Hugh McCartney, Ch. Eng.  
 Issac Brimberg, Ch. Eng.  
 ....  
 Ruperto Villarreal

## 820 kcs. (365.6 m.)

WHAS	C	50000
XEBG	...	1000

- a Louisville, Ky.
- z Tijuana, B. Cfa.

Credo Fitch Harris, Dir.  
 Angel B. Fernandez

## 830 kcs. (361.2 m.)

CMHI	E	1000
KOA	R	50000
TIEP	...	3000
WEEU	DR	1000
WHDH	L	1000
WRUF	L	5000
XERC	...	500

- a Santa Clara, Cuba
- a Denver, Colo.
- a San Jose, C. Rica
- a Reading, Pa.
- a Boston, Mass.
- a Gainesville, Fla.
- z Mexico City, D. F.

T. E. Stepp  
 Eduardo Pinto H.  
 M. Leonard Savage, Eng.  
 M. Bresnahan  
 Joseph Weil, Ch. Eng.  
 Carlos Dragome Narro

## 840 kcs. (356.9 m.)

CBL F 50000  
VOGY ... 400  
XERA ... 250000

a Toronto, Ont.  
a St. John's, Nfld.  
a Villa Acuna, Coah.

W. C. Little, Ch. Eng.  
....  
Don Howard

## 850 kcs. (352.7 m.)

CMCM ... 200  
KIEV D 250  
WESG CD 1000  
WKAR DX 1000  
WWL C 50000

a Havana, Cuba  
a Glendale, Calif.  
a Elmira, N. Y.  
a E. Lansing, Mich.  
a New Orleans, La.

V. Montes  
David H. Cannon  
True McLean, Ch. Eng.  
Norris Grover, Ch. Eng.  
J. D. Bloom, Ch. Eng.

## 860 kcs. (348.6 m.)

CMJA ... 200  
TIEMC ... 250  
WABC Ca 50000  
WBOQ OA 50000  
WHB DM 1000  
XEMO ... 5000

a Camaguey, Cuba  
z San Jose, C. Rica  
a New York, N. Y.  
a New York, N. Y.  
a Kansas City, Mo.  
a Tijuana, B. Cfa.

Rafael Valdes  
Rafael Hine Ch.  
....  
M. H. Straight, Mgr.  
Fernando Federico Ferreira

## 870 kcs. (344.6 m.)

WENR Ba 50000  
WLS Ba 50000  
XEFB ... 200  
.... P 1000

b Chicago, Ill.  
a Chicago, Ill.  
a Monterrey, N. L.  
z Ciego de Avila, Cuba

....  
T. L. Rowe, Ch. Eng.  
Jesus Quintanilla  
....

## 880 kcs. (340.7 m.)

CBO F 1000  
CFJC F 1000  
CMX ... 15000  
KFKA M2 500(1)  
KLX ... 1000  
KPOF 2 1000  
KVAN D 250  
TILS ... 500  
WCOC C 1000  
WGBI CI 500(1)  
WQAN I 500(1)  
WRNL DX 500  
WSUI X 500(1)

a Ottawa, Ont.  
a Kamloops, B. C.  
a Havana, Cuba  
a Greeley, Colo.  
a Oakland, Calif.  
a Denver, Colo.  
z Vancouver, Wash.  
b San Jose, C. Rica  
a Meridan, Miss.  
f Scranton, Pa.  
a Scranton, Pa.  
a Richmond, Va.  
a Iowa City, Iowa

Lillian E. de Ollolqui  
L. Irwine, Ch. Eng.  
Raoul Karman, Dir.  
H. E. Green, Mgr.  
P. D. Allen, Mgr.  
Wesley O. Lomlin, Annc'r.  
Paul W. Spargo, Ch. Eng.  
Luis Saenz Mata  
John B. Rogers, Ch. Eng.  
K. R. Cooke, Ch. Eng.  
....  
Walter R. Selden, Ch. Eng.  
Sylvanus Ebert, Ch. Eng.

## 890 kcs. (336.9 m.)

KARK N 1000  
KFNH X2 500(1)  
KFPY C 5000  
KTCC M 1000  
KUSD 2 500  
WBAA ... 500(1)  
WGST C 1000(5)  
WJAR R 1000(5)  
WMMN C 1000(5)  
XEW ... 100000

a Little Rock, Ark.  
a Shenandoah, Iowa  
a Spokane, Wash.  
f Visalia, Calif.  
a Vermillion, S. Dak.  
a W. Lafayette, Ind.  
a Atlanta, Ga.  
a Providence, R. I.  
a Fairmont, W. Va.  
a Mexico City, D. F.

Jack Lewis, Prog. Dir.  
Wm. MacDonald, Com. Mgr.  
T. W. Symons, Mgr.  
Chas. P. Scott, Mgr.  
B. B. Brockett, Mgr.  
Ralph R. Townsley, Ch. Eng.  
Ben Akerman, Ch. Eng.  
Thomas Prior, Ch. Eng.  
J. R. Heck, Ch. Eng.  
....

## 900 kcs. (333.1 m.)

HIG ... 250  
KGBU X 500  
KHJ M 1000(5)  
KSEI N 250(1)  
TIAFB ... 800  
WBEN R 1000(5)  
WFMD D 500  
WJAX N 1000(5)  
WKY N 1000(5)  
WLBL D 500  
WTAD D 1000

z Trujillo, D. R.  
a Ketchikan, Alaska  
a Los Angeles, Calif.  
a Pocatello, Idaho  
z San Jose, C. Rica  
a Buffalo, N. Y.  
a Frederick, Md.  
a Jacksonville, Fla.  
a Oklahoma City, Okla.  
a Stevens Point, Wis.  
a Quincy, Ill.

Andres Cordero Puello  
James A. Britton, Mgr.  
Lewis Allen Weiss, Mgr.  
R. A. Fletcher, Prog. Dir.  
Mayid Borzuma  
Ralph Kingsley, Ch. Eng.  
John A. Fels, Ch. Eng.  
Harry Cole, Mgr.  
Earl C. Hull, Ch. Eng.  
F. R. Calvert, Mgr.  
Paul E. Miller, Ch. Eng.

## 910 kcs. (329.6 m.)

CBF FN 50000  
CJAT F 1000  
CKY F 15000  
CMBO ... 5000

a Montreal, P. Q.  
a Trail, B. C.  
a Winnipeg, Man.  
a Havana, Cuba

....  
....  
....  
....

CMKD ... 1000  
XENT Q 50000

a Santiago de Cuba  
a Nuevo Laredo, Tam.

Francisco Meneau  
T. Yount, Mgr.

920 kcs. (325.9 m.)

CMHT ... 200  
CMZ ... 5000  
KFEL M 1000  
KOMO R 1000(5)  
KPRC ER 1000(5)  
TIRS 925 200  
WAAF D 1000  
WORLD D 500  
WPEN ... 1000  
WSPA D 1000  
WWJ R 1000(5)

z Trinidad, Cuba  
z Havana, Cuba  
z Denver, Colo.  
a Seattle, Wash.  
a Houston, Texas  
z San Jose, C. Rica  
a Chicago, Ill.  
a Boston, Mass.  
a Philadelphia, Pa.  
a Spartanburg, S. C.  
a Detroit, Mich.

F. E. Soto del Valle  
Gene O'Fallon, Mgr.  
Lee Barnes, Aud. Mail Dept.  
Kery Tips, Mgr.  
Rogelio Sotela B.  
Wm. E. Hutchinson, Mgr.  
...  
E. S. Long, Ch. Eng.  
Ty Tyson

930 kcs. (322.4 m.)

CFAC F 1000  
CFCH F 100  
CFCL ... 100  
CHNS F 1000  
CKPC ... 100  
CMJF ... 200  
KMA B 1000(5)  
KROW ... 1000  
WBRC R 1000(5)  
WDBJ C 1000(5)  
WELI ... 250(5)  
XEBH ... 500

a Calgary, Alta.  
a North Bay, Ont.  
a Prescott, Ont.  
a Halifax, N. S.  
a Brantford, Ont.  
z Camaguey, Cuba  
a Shenandoah, Iowa  
a Oakland, Calif.  
a Birmingham, Ala.  
a Roanoke, Va.  
a New Haven, Conn.  
a Hermosillo, Son.

...  
R. H. Thomson  
...  
...  
...  
Vincente Salgado  
J. Rapp, Mgr.  
H. P. Drey, Mgr.  
...  
James T. Milne, Mgr.  
Carlos Balderrama

940 kcs. (319 m.)

CMBZ ... 200  
KOIN CX 1000(5)  
TIOS ... 500  
WAAT D 500  
WAVE N 1000  
WCSH R 1000(2.5)  
WDAY N 1000(5)  
WHA D 5000  
WICA DX 250  
XEFO ... 5000

a Havana, Cuba  
a Portland, Ore.  
z San Jose, C. Rica  
a Jersey City, N. J.  
a Louisville, Ky.  
a Portland, Maine  
a Fargo, N. Dak.  
a Madison, Wis.  
a Ashtabula, Ohio  
a Mexico City, D. F.

Manuel Salas  
B. J. Parrish, Mgr.  
Guillermo Castro S.  
Paul H. LaStayo, Mgr.  
...  
G. Fred Crandon, Ch. Eng.  
Julius Hetland, Ch. Eng.  
...  
C. A. Rowley  
...  
...

950 kcs. (315.6 m.)

CBV F 1000  
CJRM F 1000  
CMKL ... 200  
KFWB E 5000  
KMBC CX 1000(5)  
VOAR ... 25  
WHAL DP 500  
WRC RX 1000(5)  
WTRY DP 1000

a Quebec, P. Q.  
a Regina, Sask.  
z Bayamo, Cuba  
a Los Angeles, Calif.  
a Kansas City, Mo.  
z St. John's, Nfld.  
z Saginaw, Mich.  
a Washington, D. C.  
z Troy, N. Y.

...  
...  
Alberto Alvarez Ferrera  
Harry Maizlish, Mgr.  
Arthur B. Church, Mgr.  
...  
...  
Audience Mail Dept.  
...  
...

960 kcs. (312.3 m.)

CBM FR 5000  
CFRN F 100  
CMKY ... 5000  
XEAW ... 100000

a Montreal, P. Q.  
a Edmonton, Alta.  
z Santiago de Cuba  
a Reynosa, Tam.

...  
...  
...  
H. D. Munal

970 kcs. (309.1 m.)

CMCK ... 5000  
KJR B 5000  
WCFL N 5000  
WIBG D 100

z Havana, Cuba  
a Seattle, Wash.  
a Chicago, Ill.  
a Glenside, Pa.

Luis Casas R.  
Audience Mail Dept.  
Maynard Marquardt, Ch. Eng.  
...  
...

980 kcs. (306 m.)

KDKA B 50000  
XEAC ... 5000  
XEFE ... 250

b Pittsburgh, Pa.  
a Tijuana, B. Cfa.  
z Nuevo Laredo, Tam.

A. E. Nelson Mgr.  
Jorge I. Rivera  
Rafael T. Carranza

990 kcs. (302.8 m.)

WBZ BS 50000  
WBZA BS 1000

a Boston, Mass.  
a Springfield, Mass.

Dwight Myer, Ch. Eng.  
H. E. Randol, Mgr.

70

XEAF ... 750  
 XEK ... X 100  
 XES ... P 250  
 .... P 1000

1000 kcs. (299.8 m.)

CMKG ... 10000  
 KFVD ... L 1000  
 TIFA ... 250  
 WHO ... KR 50000  
 XEBI ... 250

1010 kcs. (296.9 m.)

CHML F 100  
 CKCD 1 100  
 CKCK F 1000  
 CKCO F 100  
 CKIC ... 50  
 CKWX F1 100  
 CMCU ... 200  
 KGGF M2 1000  
 KOW M 1000(5)  
 WHN ... 1000(5)  
 WNAD 2 1000  
 WNOX C 1000(5)  
 XEFQ ... 50  
 XEU ... 500

1020 kcs. (293.9 m.)

CMHO ... 200  
 CMJK ... 200  
 KYW R 10000  
 WDW D 1000  
 XEJ ... 1000

1030 kcs. (291.1 m.)

CFCN F 10000  
 CJBR F 1000  
 CKLW FM 5000  
 CMKW ... 1000  
 TIHO ... 500  
 XEB ... 20000  
 .... P 1000

1040 kcs. (288.3 m.)

KRLD C 50000  
 KWJJ HL 500  
 KYOS DM 250  
 VDCM ... 100  
 WTIC HR 50000  
 .... P 1000

1050 kcs. (285.5 m.)

CBA F 50000  
 CMCH ... 50  
 HIT ... 5000  
 KFBI LY2 5000  
 KNX C 50000  
 WEAU LZ 1000(5)  
 WIBC D 1000

1060 kcs. (282.8 m.)

KTHS HN 10000  
 VOAC 1065 40  
 WBAL BM 10000  
 WJAG L 1000

1070 kcs. (280.2 m.)

KBJW ... 200  
 CMJS L 500  
 TINBC P 5000  
 WCAZ D 100  
 WTAM R 50000

a Nogales, Son.  
 a Mexico City, D. F.  
 a Tampico, Tam.  
 z Pinar del Rio, Cuba

z Santiago de Cuba  
 a Los Angeles, Calif.  
 z San Jose, C. Rica  
 a Des Moines, Iowa  
 a Aguascalientes, Ags.

a Hamilton, Ont.  
 a Vancouver, B. C.  
 a Regina, Sask.  
 a Ottawa, Ont.  
 a Wolfville, N. S.  
 a Vancouver, B. C.  
 a Havana, Cuba  
 a Coffeyville, Kans.  
 a San Jose, Calif.  
 a New York, N. Y.  
 a Norman, Okla.  
 a Knoxville, Tenn.  
 a Cananea, Son.  
 a Veracruz, Ver. C.

z Sagua la Grande, Cuba  
 a Camaguey, Cuba  
 b Philadelphia, Pa.  
 a Tuscola, Ill.  
 a Juarez, Chih.

a Calgary, Alta.  
 a Rimouski, P. Q.  
 a Windsor, Ont.  
 z Santiago de Cuba  
 z San Jose, C. Rica  
 a Mexico City, D. F.  
 z Santiago de Cuba

a Dallas, Texas  
 a Portland, Ore.  
 a Merced, Calif.  
 z St. John's, Nfld.  
 a Hartford, Conn.  
 z Matanzas, Cuba

a Sackville, N. B.  
 z Havana, Cuba  
 z Trujillo, D. R.  
 a Abilene, Kans.  
 a Los Angeles, Calif.  
 a Eau Claire, Wis.  
 a Indianapolis, Ind.

a Hot Springs, Ark.  
 z St. John's, Nfld.  
 a Baltimore, Md.  
 a Norfolk, Nebr.

z Camaguey, Cuba  
 a San Francisco, Calif.  
 z San Jose, C. Rica  
 a Carthage, Ill.  
 a Cleveland, Ohio

.....  
 Fernando Sada  
 Arturo Martinez  
 .....

.....  
 Frank Burke, Mgr.  
 Francisco Ariel  
 Paul A. Loyat, Ch. Eng.  
 Pedro C. Rivas

.....  
 Dr. G. H. Geldert  
 .....  
 Jorge Garcia Serra  
 Hugh J. Powell  
 C. S. Harper, Mgr.

.....  
 T. M. Beard, Prog. Dir.  
 Pedro L. Diaz  
 .....  
 Fernando Pazos S.

.....  
 Leslie W. Joy, Mgr.  
 Mark C. Spies, Ch. Eng.  
 Pedro Meneses, Jr.

E. Marshall  
 J. A. Brilliant

.....  
 Claudio Alvarez Soriano  
 Guillermo Zuniga R.  
 .....  
 .....

John W. Runyon  
 Art Morey, Ann'cr.  
 John W. Crews, Mgr.

.....  
 T. C. McCray  
 .....

.....  
 A. L. Pichardo  
 Donald Thornburgh, Mgr.

Mary F. Loyd, Sec'y.  
 .....  
 Gerald Cooke, Ch. Eng.  
 Art Thomas, Mgr.

M. Caymares Silva  
 Miriom Ford, Traffic Dept.  
 Oscar Martinez N.  
 .....  
 May Draxell

## 1080 kcs. (277.6 m.)

CMBX	...	200
CMKM	...	200
WBT	C	50000
WCBD	LI	5000
WMBI	LI	5000
XEBA	...	20
XEBK	...	100
XEDP	...	500

a	Havana, Cuba
a	Manzanillo, Cuba
a	Charlotte, N. C.
a	Chicago, Ill.
o	Chicago, Ill.
z	Guzman, Jal.
z	Nuevo Laredo, Tam.
a	Mexico City, D. F.

Alberto Alvarez  
Jesus Armesto  
....  
A. P. Frye, Ch. Eng  
Javier Velasco  
J. M. Cortes  
....

## 1090 kcs. (275.1 m.)

CMHA	...	200
HIN	...	100
KMOX	C	50000
XERB	...	50000

z	Sagua la Grande, Cuba
z	Trujillo, D. R.
a	St. Louis, Mo.
a	Tijuana, B. Cfa.

Abelardo Menocal  
J. M. Bonetti  
G. L. Tevis, Ch. Eng.  
....

## 1100 kcs. (272.6 m.)

CBR	F	5000
CMHP	...	200
KGDM	DM	1000
KWKH	CH	1000
WBIL	I	5000
WCAR	DP	1000
WOV	P	5000
WPG	I	5000

a	Vancouver, B. C.
z	Piacetas, Cuba
f	Stockton, Calif.
a	Shreveport, La.
a	New York, N. Y.
z	Pontiac, Mich.
z	New York, N. Y.
a	Atlantic City, N. J.

....  
....  
A. H. Green, Mgr.  
John McCormack, Mgr.  
Robert E. Study, Ch. Eng.  
....  
....  
....

## 1110 kcs. (270.1 m.)

CMCJ	...	200
KSOO	LN	5000
WRVA	CM	50000
XECL	...	1000

a	Havana, Cuba
a	Sioux Falls, S. Dak.
a	Richmond, Va.
z	Mexicali, B. Cfa.

Rafael Rodriguez  
....  
Les Frake  
Alfonso A. Lacarra

## 1120 kcs. (267.7 m.)

CBJ	F	100
CHLP	F	100
CHSJ	F	100
CKOC	F	500(1)
CKX	F	1000
CMGF	...	200
KFIO	D	100
KFSG	a	1000(.5)
KRKD	a	1000(.5)
KRSC	EX	250
KTBC	DG2	1000
WCOP	D	500
WDEL	R	250(1)
WISN	C	250(1)
WJBO	BX	500
WTAW	G2	500

a	Chicoutimi, P. Q.
a	Montreal, P. Q.
a	St. John, N. B.
a	Hamilton, Ont.
a	Brandon, Man.
a	Matanzas, Cuba
a	Spokane, Wash.
a	Los Angeles, Calif.
a	Los Angeles, Calif.
a	Seattle, Wash.
z	Austin, Texas
a	Boston, Mass.
a	Wilmington, Del.
a	Milwaukee, Wis.
a	Baton Rouge, La.
a	College Station, Texas

....  
....  
....  
....  
....  
Bernabe de la Torre  
Arthur L. Smith, Mgr.  
Ruth Pritchard  
Dr. Giles N. Knight, Mgr.  
Robt. E. Priebe, Mgr.  
Whitman Hall  
J. E. Mathiot, Ch. Eng.  
D. A. Weller, Ch. Eng.  
Wilbur Golson, Eng.  
H. C. Dillingham, Ch. Eng.

## 1130 kcs. (265.3 m.)

CMJI	...	200
KSL	C	50000
WJJD	L	20000
WQV	D	1000
XEJP	...	100

a	Ciego de Avila, Cuba
a	Salt Lake City, Utah
a	Chicago, Ill.
a	New York, N. Y.
z	Mexico City, D. F.

Gilberto Gesse Lopez  
E. G. Pack; Earl J. Glade  
J. L. Allabough  
....  
Salvador Monterrubio R.

## 1140 kcs. (263 m.)

CMBG	...	200
KVOO	N	25000
WAPI	C	5000
WSPR	LM	500

z	Havana, Cuba
a	Tulsa, Okla.
a	Birmingham, Ala.
a	Springfield, Mass.

John J. Stowers  
Wm. B. Way, Mgr.  
N. McFarland  
Hillis W. Holt

## 1150 kcs. (260.7 m.)

WHAM	N	50000
XEBP	...	250
XEC	...	100
XEDW	...	300
KEL	...	250
XEXH	...	400
....	P	1000

a	Rochester, N. Y.
z	Durango, Dgo.
a	Tijuana, B. Cfa.
a	Minatitlan, Ver. C.
z	Mexico City, D. F.
z	Oaxaca, Oax.
z	Holguin, Cuba

John J. Long, Ch. Eng.  
Manuel Cano M.  
Luis F. Encisco  
Hector Silva Canto  
....  
....

## 1160 kcs. (258.5 m.)

CMHJ	...	200
KEX	B	5000
WOWO	BI	10000
WVVA	CI	5000
XEAS	...	100
XED	...	2500
XEFM	...	...
XEP	...	500

a	Cienfuegos, Cuba
a	Portland, Oreg.
a	Fort Wayne, Ind.
a	Wheeling, W. Va.
a	Saltillo, Coah.
a	Guadalajara, Jal.
z	Leon, Gro.
a	Juarez, Chih.

Richardo Ugalde
H. C. Singleton, Ch. Eng.
...
E. A. Hadden, Eng.
Manuel R. Rodriguez
...
Estaban Perra

## 1170 kcs. (256.3 m.)

CMBS	...	200
WCAU	C	50000
XEXX	...	1000

a	Havana, Cuba
a	Philadelphia, Pa.
z	Mexico City, D. F.

Enrique Artalejo
J. G. Leitch
...

## 1180 kcs. (254.1 m.)

KOB	N	10000
WDGY	LM	1000(5)
WINS	L	1000
WMAZ	CL	1000(5)

a	Albuquerque, N. Mex.
a	Minneapolis, Minn.
a	New York, N. Y.
a	Macon, Ga.

T. M. Pepperday, Mgr.
Dr. Geo. W. Young
...
...

## 1190 kcs. (252 m.)

CMKX	...	200
WOAI	EN	50000
WSAZ	L	1000

z	Banes, Cuba
a	San Antonio, Texas
a	Huntington, W. Va.

Oscar Vidal Benitez
...
Glenn E. Chase, Ch. Eng.

## 1200 kcs. (249.9 m.)

CFPG	...	100
CHAB	F	100(.25)
CHGB	F	100

a	Grande Prairie, Alta.
a	Moose Jaw, Sask.
z	St. Anne de la Pocatierrre, P. Q.

...
A. E. Jacobson, Ch. Eng.
G. Thomas Desjardins

CKNX	...	100
CKTB	F	100
CKVD	...	100
CMCO	...	200
KADA	EMX	100
KAST	...	250
KBTM	...	100(.25)
KELO	N	250
KFJB	...	250
KFXD	...	250
KFXJ	...	250
KGDE	...	100(.25)
KGEK	...	100
KGFJ	...	100
KGHI	...	250
KHAS	P	250
KHBC	CM	250
KMLB	...	250
KOOS	M	250
KSUN	E	250
KVCV	M	250
KVEC	M	250
KVNU	...	250
KVOS	M	250
KWBD	DP	100
KWG	BE	100
KWNO	E	250
TIRCC	...	500
WABI	C	250
WAIM	C	100
WAYX	...	250
WBAB	P	100(.25)
WBBZ	M	250
WBHP	...	100
WBOW	N	250
WCAT	D	100
WCAX	C	250
WCLO	...	250
WCPO	...	250
WDLP	P	100(.25)
WDSM	M	100
WENY	M	250
WEST	...	250
WESX	...	100

a	Wingham, Ont.
a	St. Catharines, Ont.
z	Val d'Or, P. Q.
a	Havana, Cuba
a	Ada, Okla.
a	Astoria, Ore.
a	Jonesboro, Ark.
a	Sioux Falls, S. Dak.
a	Marshalltown, Iowa
a	Nampa, Idaho
a	Grand Junction, Colo.
b	Fergus Falls, Minn.
f	Sterling, Colo.
a	Los Angeles, Calif.
a	Little Rock, Ark.
z	Hastings, Nebr.
a	Hilo, Hawaii
a	Monroe, La.
a	Marshfield, Ore.
a	Lowell, Ariz.
a	Redding, Calif.
a	San Luis Obispo, Calif.
z	Logan, Utah
d	Bellingham, Wash.
z	Plainview, Texas
a	Stockton, Calif.
a	Winona, Minn.
z	San Jose, C. Rica
a	Bangor, Maine
a	Anderson, S. C.
a	Waycross, Ga.
z	Atlantic City, N. J.
a	Ponca City, Okla.
a	Huntsville, Ala.
a	Terre Haute, Ind.
a	Rapid City, S. Dak.
a	Burlington, Vt.
a	Janesville, Wis.
a	Cincinnati, Ohio
z	Panama City, Fla.
z	Superior, Wis.
d	Elmira, N. Y.
a	Easton, Pa.
z	Salem, Mass.

...
B. Howard Bedford, Asst. Mgr.
E. T. Sandell
...
Enrique Lasanta
Warren Moore, Prog. Dir.
Lawrence King, Ch. Eng.
Jay P. Beard, Mgr.
Joseph Henkin, Mgr.
Horner Griffith, Mgr.
Edward Hurt, Mgr.
Rex Howell, Mgr.
Mat E. Wakz, Ch. Eng.
Elmer G. Beehler
Thelma Kirchner, Prog. Dir.
R. G. Terrill, Mgr.
...
Webley Edwards, Mgr.
J. C. Liner, Jr., Mgr.
Roger L. Spaugh, Ch. Eng.
Carleton W. Morris, Mgr.
Harold Smithson, Mgr.
Earl Travis, Ch. Eng.
J. M. Reeder, Ch. Eng.
...
W. B. Dennis
George Ross, Mgr.
A. E. Mickel, Mgr.
Carlos Borge
Ralph Wallace, Mgr.
Ennis Bray, Mgr.
Jack Williams
...
Don Mitchell, Ch. Eng.
...
...
C. M. Rowe, Prog. Dir.
James Tierney, Ch. Eng.
Charles Brannen, Ch. Eng.
Glen A. Davis, Ch. Eng.
...
Fred A. Baxter
...
J. E. Mathiot, Ch. Eng.
...

WFAM	4	100
WFTC	...	250
WHBC	...	250
WHBY	E	250
WHOP	...	250
WIBX	C	250
WIL	...	250
WJBC	...	250
WJBW	X	100
WJHL	...	250
WJNO	C	250
WJRD	E	100(.25)
WKBO	N	100(.25)
WLVA	...	250
WMFR	...	250
WMOB	D	100
WMPC	G	250
WOLS	N	250
WRBL	C	250
WSAM	GP	100(.25)
WSKB	X	100
WSOO	P	100(.25)
WTHT	M	100
WTOL	...	250
WWAE	4	100
....	DP	100
....	P	250
....	P	100(.25)
....	P	250

a	South Bend, Ind.
a	Kinston, N. C.
a	Canton, Ohio
a	Appleton, Wis.
a	Hopkinsville, Ky.
a	Utica, N. Y.
a	St. Louis, Mo.
a	Bloomington, Ill.
a	New Orleans, La.
a	Johnson City, Tenn.
a	W. Palm Beach, Fla.
a	Tuscaloosa, Ala.
a	Harrisburg, Pa.
a	Lynchburg, Va.
a	High Point, N. C.
z	Mobile, Ala.
a	Lapeer, Mich.
a	Florence, S. C.
a	Columbus, Ga.
z	Saginaw, Mich.
z	McComb, Miss.
z	Saul Ste. Marie, Mich.
a	Hartford, Conn.
a	Toledo, Ohio
a	Hammond, Ind.
z	Logan, W. Va.
z	Orlando, Fla.
z	Phoenix, Ariz.
z	Roanoke Rapids, N. C.

Al Todd; Paul Mangus
Jonas Weiland
Kenneth Sliker, Ch. Eng.
W. J. Stangel, Ch. Eng.
....
David Foote, Ch. Eng.
C. H. Stoup, Ch. Eng.
A. M. McGregor
Charles C. Carlson
O. K. Garland, Ch. Eng.
Reginald B. Martin
James R. Doss, Jr.
Charles Myers, Ch. Eng.
J. T. Orch, Eng.
E. J. Day, Ch. Eng.
A. B. Quigley
Hollis F. Hayes, Ch. Eng.
O. Lee Stone
Oliver Hely, Ch. Eng.
....
....
....
Richard K. Blackburn
Michael Kent, Mgr.
Robert Myers, Ch. Eng.
....
....
....
....
....

1210 kcs. (247.8 m.)

CHLT	...	100
CJCS	...	50
CJOC	F	100
CKBI	F	100
CKCH	F	100
CKMC	...	50
CKNB	F	100
CMHK	...	200
KALB	...	250
KANS	N	250
KASA	M	100
KDLR	...	250
KDON	M	100
KFJI	...	100
KFOR	EM	100(.25)
KFPW	XZ	100
KFXM	M2	100
KGLO	C	250
KGY	M	100
KHBG	...	250
KIUL	...	100
KLAH	...	250
KOCA	...	250
KOVO	...	250
KPFA	EN	250
KPPC	2	100
KROY	C	100
KVSO	M	100(.25)
KWAT	P	250
KWJB	...	250
KXOX	...	250
KYUM	P	100(.25)
WBAX	AM	100
WBBL	5	100
WBRB	3	100
WCOL	NXZ	100
WCOU	M	250
WCRW	4	100
WEBO	...	250
WEDC	G4	250
WFAS	3	100
WFOY	...	250
WFTM	P	250
WGBB	3	100
WGCM	...	100(.25)
WGRM	Y	250
WHAI	M	250

z	Sherbrooke, P. Q.
a	Stratford, Ont.
a	Lethbridge, Alta.
a	Prince Albert, Sask.
a	Hull, P. Q.
a	Cobalt, Ont.
z	Campbellton, N. B.
a	Cruces, Cuba
a	Alexandria, La.
a	Wichita, Kans.
a	Elk City, Okla.
a	Devils Lake, N. Dak.
a	Monterey, Calif.
a	Klamath Falls, Ore.
a	Lincoln, Nebr.
a	Fort Smith, Ark.
a	San Bernardino, Calif.
z	Mason City, Iowa
a	Olympia, Wash.
a	Okmulgee, Okla.
a	Garden City, Kans.
a	Carlsbad, N. Mex.
a	Kilgore, Texas
a	Provo, Utah
a	Helena, Mont.
a	Pasadena, Calif.
a	Sacramento, Calif.
a	Ardmore, Okla.
z	Watertown, S. Dak.
a	Globe, Ariz.
z	Sweetwater, Tex.
z	Yuma, Ariz.
a	Wilkes-Barre, Pa.
a	Richmond, Va.
a	Red Bank, N. J.
a	Columbus, Ohio
a	Lewiston, Maine
z	Montgomery, Ala.
a	Chicago, Ill.
a	Harrisburg, Ill.
a	Chicago, Ill.
a	White Plains, N. Y.
a	St. Augustine, Fla.
z	Ft. Myers, Fla.
a	Freeport, N. Y.
a	Gulfport, Miss.
a	Grenada, Miss.
a	Greenfield, Mass.

Marcel Provst, Mgr.
Frank M. Squires
H. R. Carson
Gerald Prest
....
R. L. MacAdam
C. S. Chapman, Mgr.
R. G. Gonzalez
Virgil Evans, Prog. Dir.
Herbert Hollister, Mgr.
Lyman Brown, Prog. Dir.
Merle Bjork, Ch. Annc'r.
Howard Walters, Mgr.
Geo. Kincaid, Mgr.
Don Searle, Mgr.
Dorothy Gibson, Mgr.
J. C. Lee, Mgr.
F. C. Eighmey, Mgr.
W. R. Taft, Mgr.
A. F. Schultz, Ch. Eng.
F. D. Conard, Mgr.
Jack Hawkins, Mgr.
H. A. Degner, Mgr.
....
E. B. Craney, Mgr.
David Black, Mgr.
Milton Cooper, Ch. Eng.
Paul W. Ross, Ch. Eng.
....
Bartley Sims, Mgr.
....
....
Drury Lenington, Prog. Dir.
....
....
J. E. Lowe, Ch. Eng.
Leslie Hall, Ch. Eng.
Al Thompson, Ch. Eng.
Clinton R. White
J. R. Tate, Ch. Eng.
Caleb Frisk, Ch. Eng.
Selma Seitz, Prog. Dir.
Bradley Overton, Ch. Eng.
....
....
Harry H. Carman
C. H. Dyess, Ch. Eng.
C. A. Perkins, Ch. Eng.
James L. Spates, Mgr.

WHBU	...	100(.25)
WHIZ	NX	100
WIBU	...	250
WINN	P	100(.25)
WJBY	E	250
WJEF	X	100
WJIM	B	250
WJLS	...	250
WJMC	D	250
WJTN	B	250
WJW	...	250
WKOK	...	100
WLOK	...	100
WMFG	C	250
WOCB	P	250
WOMT	...	100
WPAX	...	250
WPID	P5	250
WRAL	M	250
WSAY	M	250
WSBC	G4	250
WSIX	M	250
WSNJ	...	250
WSOC	MN	100(.25)
WTAX	...	100
WTMA	N	250
XEAT	...	250
XEE	...	50
XEFV	...	50
XETH	...	100

1220 kcs. (245.8 m.)

KFKU	a	1000(5)
KPAC	...	500
KTMS	BE	500
KTW	2	1000
KWSC	2	1000(5)
TIGPH	1225	1000
WCAD	D	500
WCAE	MRX	1000(5)
WDAE	CX	1000(5)
WGNY	D	250
WREN	aB	1000(5)
XEBL	...	500
XEDA	...	200
XETF	...	12

1230 kcs. (243.8 m.)

CMCB	...	200
CMJE	...	200
KGBX	N	500
KGGM	C	1000
KYA	E	1000(5)
WFBM	C	1000(5)
WNAC	R	1000(5)
WOL	M	1000
XECA	...	250
XEG	...	250
XEHK	...	125

1240 kcs. (241.8 m.)

CJCB	F	1000
CMAB	...	200
CMHB	...	200
KFJZ	M	1000
KGCU	...	250
KTFI	N	1000
WHBF	M	1000
WKAQ	C	1000
WXYZ	B	1000(5)
XEAD	...	500
XEBC	...	100
XEBU	...	50
XECW	...	250
XEDL	...	250
XEKL	A	500
XEKS	...	100
XEME	...	50

a	Anderson, Ind.
a	Zanesville, Ohio
a	Poyette, Wis.
z	Louisville, Ky.
a	Gadsden, Ala.
a	Hagerstown, Md.
z	Lansing, Mich.
z	Beckley, W. Va.
z	Rice Lake, Wis.
a	Jamestown, N. Y.
a	Akron, Ohio
a	Sunbury, Pa.
a	Lima, Ohio
a	Hibbing, Minn.
z	Hyannis, Mass.
a	Manitowoc, Wis.
a	Thomasville, Ga.
z	Petersburg, Va.
z	Raleigh, N. C.
a	Rochester, N. Y.
a	Chicago, Ill.
a	Nashville, Tenn.
a	Bridgeton, N. J.
a	Charlotte, N. C.
a	Springfield, Ill.
a	Charleston, S. C.
a	Parral, Chih.
a	Durango, Dgo.
a	Juarez, Chih.
a	Puebla, Pue.

a	Lawrence, Kans.
a	Port Arthur, Texas
z	Santa Barbara, Calif.
a	Seattle, Wash.
a	Pullman, Wash.
b	San Jose, C. Rica
a	Canton, N. Y.
a	Pittsburgh, Pa.
a	Tampa, Fla.
a	Newburgh, N. Y.
a	Lawrence, Kans.
z	Mazatlan, Sin.
z	Mexico City, D. F.
a	Veracruz, Ver. C.

a	Havana, Cuba
z	Camaguey, Cuba
a	Springfield, Mo.
a	Albuquerque, N. Mex.
a	San Francisco, Calif.
a	Indianapolis, Ind.
a	Boston, Mass.
a	Washington, D. C.
z	Tampico, Tam.
z	Monterrey, N. L.
z	Guadalajara, Jal.

a	Sydney, N. S.
z	Pinar del Rio, Cuba
z	Sancti Spiritus, Cuba
a	Fort Worth, Texas
a	Mandan, N. Dak.
a	Twin Falls, Idaho
a	Rock Island, Ill.
a	San Juan, Puerto Rico
a	Detroit, Mich.
z	Aguascalientes, Ags.
z	Morelia, Micho.
z	Chihuahua, Chih.
z	Cordoba, Ver. C.
z	Navolua, Son.
b	Leon, Gto.
z	Saltillo, Coeh.
z	Merida, Yuc.

R. F. Fulwider, Ch. Eng.
Ronald Woodyard, Mgr.
Mary Thiessen
.....
Vernon Story, Ch. Eng.
Grover Crilley, Mgr.
Leo Ylha, Ch. Eng.
Joe L. Smith Jr.
Walter McCenty
.....
Gene LaValle, Prog Dir.
Paul L. Miller, Eng.
S. L. Gladfelter, Ch. Eng.
Charles Persons, Ch. Eng.
.....
Francis M. Kadow
H. Wimpy
.....
Geo. T. Case, Mgr.
Thurlow Greene
Ed Jacker, Ch. Eng.
James Turner
.....
L. L. Caudle, Ch. Eng.
Edward Ring, Ch. Eng.
D. M. Dradham, Ch. Eng.
David G. Cervantes
Alejandro O. Stevensor
Dario Cordoba
Ramon Huerta G.

Harold Ingham, Mgr.
Joe Walters, Ch. Eng.
Norman McLaughlin, Mgr.
Dr. M. A. Matthews, Mgr.
Kenneth Yeend, Mgr.
Gonzalo Pinto H.
Dr. Ward C. Priest, Ch. Eng.
James Schultz, Ch. Eng.
Joseph Smiley, Mgr.
.....
Vern Omer, Ch. Eng.
Ignacio L. Saiz
Pedro Riestra Diaz
Jose Rodriguez Lopez

V. Montes, Dir.
Primo Alfonso Casares
R. D. Foster, Mgr.
Mike Hollander, Mgr.
Frances Pike, Prog. Dir.
.....
Henry V. Seay, Mgr.
Nicolas M. Picet
Rodolfo Junco de la Vega
.....

.....
Francisco Martinez
Ortelio Ramierz
H. Sutton Ch. Eng.
.....
John E. Gardner, Mgr.
Robert Sinnett, Eng.
A. P. Del Valle, Ch. Eng.
Lynn Smeby, Ch. Eng.
.....
Feliciano Lopez Islas
.....
.....
.....
.....
P. Villamil Cisero



**1250 kcs. (239.9 m.)**

CMKC	...	200
KFOX	...	1000
KIT	FM	1000
KXOK		1000
WAIR	DM	250
WDSU	B	1000
WHBI	Z	1000(2.5)
WKST	D	1000
WMRO	D	250
WNEW	Z	1000(5)
WTCN	B	1000(5)
XEAI	...	500

- a Santiago, Cuba
- a Long Beach, Calif.
- a Yakima, Wash.
- z St. Louis, Mo.
- a Winston-Salem, N. C.
- a New Orleans, La.
- a Newark, N. J.
- a New Castle, Pa.
- z Aurora, Ill.
- a New York, N. Y.
- a Minneapolis, Minn.
- z Mexico City, D. F.

Ramon Duran  
Hal G. Nichols, Mgr.  
James A. Murphy, Mgr.  
Allen Franklin, Prog. Dir.  
Geo. D. Walker, Mgr.  
Fred Fabre, Ch. Eng.  
Irwin R. Wolfe, Ch. Eng.  
Herbert Kirk, Mgr.  
Leo S. Burch, Ch. Eng.  
Max Weiner, Ch. Eng.  
....  
Carmen Gutierrez

**1260 kcs. (238 m.)**

CMBD	...	200
CMJO	...	200
KGVO	C	1000(5)
KHSL	M	500(1)
KOIL	CEM	1000(5)
KRGV	N	1000
KUOA	D	5000
KVOA	EN	1000
WFVA	D	250
WHIO	C	1000(5)
WHLD	DP	1000
WNBX	CMY	1000
WTOC	C	1000(5)

- z Havana, Cuba
- a Ciego de Avila, Cuba
- a Missoula, Mont.
- a Chico, Calif.
- a Omaha, Nebr.
- a Weslaco, Texas
- a Siloam Springs, Ark.
- a Tucson, Ariz.
- z Fredericksburg, Va.
- a Dayton, Ohio
- z Niagara Falls, N. Y.
- a Springfield, Vt.
- a Savannah, Ga.

Luiz Perez Garcia  
Bonifacio Ildefonso  
A. J. Mosby, Mgr.  
Harold Smithson, Mgr.  
Don Searle, Mgr.  
Ken L. Gibson, Mgr.  
C. M. Books, Mgr.  
Gil Maynier, Prog. Dir.  
....  
Ernest Adams, Ch. Eng.  
....  
Wm. Moore, Ch. Eng.  
Wm. B. Smart, Prog. Dir.

**1270 kcs. (236.1 m.)**

CMHD	...	200
KGCA	DOZ	100
KOL	M	1000(5)
KVOR	C	1000
KWLC	DZ	100
WASH	aDN	500
WFBR	R	1000(5)
WJDX	aN	1000(5)
WOOD	aN	500
XESM	...	100
XEXB	A	250
XEXE	...	17

- d Calbarien, Cuba
- a Decorah, Iowa
- a Seattle, Wash.
- a Colorado Springs, Colo.
- a Decorah, Iowa
- a Grand Rapids, Mich.
- a Baltimore, Md.
- a Jackson, Miss.
- a Grand Rapids, Mich.
- z Mexico City, D. F.
- a Jelapa, Ver. C.
- z Texcoco, D. F.

Manuel Alvarez M.  
Charles Greenley  
Elmer Pederson, Mgr.  
Hugh Terry, Mgr.  
Dr. O. J. H. Preuss  
Sandy Mek, Prog. Dir.  
Wm. O. Ranft, Ch. Eng.  
Percy Root, Ch. Eng.  
Sandy Meek, Prog. Dir.  
....  
....  
....

**1280 kcs. (234.2 m.)**

CMKO	...	200
KFBB	C	1000(5)
KLS	...	250
WCAM	...	500
WCAP	Z	500
WDOD	C	1000(5)
WIBA	N	1000(5)
WORC	C	500
WRR	M	500
WTNJ	Z	500
XEKR	...	100
XEMX	A	100

- z Holguin, Cuba
- a Great Falls, Mont.
- a Oakland, Calif.
- a Camden, N. J.
- a Asbury Park, N. J.
- b Chattanooga, Tenn.
- a Madison, Wis.
- a Worcester, Mass.
- a Dallas, Texas
- a Trenton, N. J.
- z Mexico City, D. F.
- z Mexico City, D. F.

Manuel Angulo Farran  
Jessie Jacobson, Mgr.  
S.W. Warner, Mgr.  
R. L. Horn, Prog. Dir.  
....  
Frank S. Lane, Mgr.  
M. F. Chapin, Ch. Eng.  
....  
Chas. Jordan, Prog. Dir.  
E. P. Knowles, Ch. Eng.  
....  
Alfonso Avalos

**1290 kcs. (232.4 m.)**

CMCG	...	200
KDYL	R	1000(5)
KLCN	D	100
KTRH	C	1000(5)
WATR	...	250
WBEC	N	1000(5)
WJAS	C	1000(5)
WJHP	P	250
WNBZ	D	100
WNEL	...	1000(2.5)

- a Havana, Cuba
- a Salt Lake City, Utah
- a Blytheville, Ark.
- a Houston, Texas
- a Waterbury, Conn.
- a Duluth, Minn.
- a Pittsburgh, Pa.
- z Jacksonville, Fla.
- a Saranac Lake, N. Y.
- a San Juan, Puerto Rico

O. Montenegro  
S. S. Fox, Mgr.  
C. L. Litzencher, Mgr.  
B. F. Orr, Mgr.  
....  
Chas. Persons, Ch. Eng.  
Walter McCoy, Ch. Eng.  
Carlyle Wright, Mgr.  
....  
Juan Piza

**1300 kcs. (230.6 m.)**

KALE	M	1000
KFAC	...	1000
KFH	C	1000(5)
WBBR	Z	1000

- a Portland, Ore.
- a Los Angeles, Calif.
- a Wichita, Kans.
- a Brooklyn, N. Y.

Dick Rand, Prog. Dir.  
E. Tyler, Log Dept.  
Russell L. Lowe, Mgr.  
....

WEVD 2 1000  
 WFBC NX 1000(5)  
 WHAZ 2 1000  
 WHBL .. 250(11)  
 .... P 1000

## 1310 kcs. (228.9 m.)

CHCK ... 50  
 CJKL ... F 100  
 CJLS ... F 100  
 CKCV ... F 100  
 CMKE ? 250  
 KARM ... C 250  
 KBND ... 250  
 KCKN ... E 250  
 KCRJ ... E 250  
 KFPL ... 100(.25)  
 KFYO M 100(.25)  
 KGEZ ... 100  
 KGFV ... 250  
 KHUB ... 250  
 KMYR P 100(.25)  
 KOCY ... 250  
 KOMA EM 250  
 KPDN ... 100  
 KRMD ... 250  
 KROC EN 250  
 KRRV DMXZ 250  
 KSRO ... 250  
 KSUB ... 100  
 KTSM N2XZ 250  
 KUIN ... 100  
 KVIC ... 100(.25)  
 KVOL ... 250  
 KVOX ... E 250  
 KVSF C 100  
 KWFC P 100(.25)  
 KWOC ... 250  
 KWOS ... 250  
 KXRO M 250  
 TGI ... 250  
 WAML ... 250  
 WBRE N 250  
 WBRK M 250  
 WCLS L 100  
 WCM1 M 250  
 WDAH Z 250  
 WDMJ ... 250  
 WEBR B 250  
 WEMP ... 250  
 WEXL ... 50  
 WFBG R 100  
 WFDL B 100  
 WFIG P 100(.25)  
 WGAU ... 250  
 WGH K 250  
 WGTM ... 250  
 WHAT 4 100  
 WJPF P 100(.25)  
 WJPR ... 250  
 WLAK N 250  
 WLBC ... 250  
 WLBK P 250  
 WLNH M 250  
 WMBO ... 250  
 WMFF B 250  
 WNBH MX 100(.25)  
 WRAW ... 100  
 WROL N 250  
 WSAJ ... 100  
 WSAV N 100  
 WSGN BE 100(.25)  
 WSIS CM 250  
 WSOY ... 100(.25)  
 WTAL ... 100(.25)  
 WTEL 4 100  
 WTJS ... 250  
 WTRC ... 250  
 XEAG ... 250

a New York, N. Y.  
 a Greenville, S. C.  
 a Troy, N. Y.  
 a Sheboygan, Wis.  
 z Minneapolis, Minn.

a Charlottetown, P. E. I.  
 a Kirkland Lake, Ont.  
 a Yarmouth, N. S.  
 a Quebec, P. Q.  
 z Manzanillo, Cuba  
 a Fresno, Calif.  
 z Bend, Ore.  
 a Kansas City, Kans.  
 a Jerome, Ariz.  
 f Dublin, Texas  
 a Lubbock, Texas  
 a Kalispell, Mont.  
 a Kearney, Nebr.  
 a Watsonville, Calif.  
 a Denver, Colo.  
 a Oklahoma City, Okla.  
 z Tulsa, Okla.  
 a Pampa, Texas  
 a Shreveport, La.  
 a Rochester, Minn.  
 a Sherman, Texas  
 a Santa Rosa, Calif.  
 a Cedar City, Utah  
 a El Paso, Texas  
 a Grants Pass, Ore.  
 a Victoria, Texas  
 a Lafayette, La.  
 a Moorhead, Minn.  
 a Santa Fe, N. Mex.  
 z Hot Springs, Ark.  
 a Poplar Bluff, Mo.  
 a Jefferson City, Mo.  
 a Aberdeen, Wash.  
 d Guatemala City, Guat.  
 a Laurel, Miss.  
 a Wilkes-Barre, Pa.  
 a Pittsfield, Mass.  
 a Joliet, Ill.  
 a Ashland, Ky.  
 a El Paso, Texas  
 a Marquette, Mich.  
 a Buffalo, N. Y.  
 a Milwaukee, Wis.  
 a Royal Oak, Mich.  
 a Altoona, Pa.  
 a Flint, Mich.  
 z Sumter, S. C.  
 a Athens, Ga.  
 a Newport News, Va.  
 a Wilson, N. C.  
 a Philadelphia, Pa.  
 z Terrin, Ill.  
 z Greenville, Miss.  
 z Lakeland, Fla.  
 a Muncie, Ind.  
 z Bowling Green, Ky.  
 a Laconia, N. H.  
 a Auburn, N. Y.  
 a Plattsburg, N. Y.  
 a New Bedford, Mass.  
 a Reading, Pa.  
 a Knoxville, Tenn.  
 a Grove City, Pa.  
 a Savannah, Ga.  
 a Birmingham, Ala.  
 a Winston-Salem, N. C.  
 a Decatur, Ill.  
 a Tallahassee, Fla.  
 a Philadelphia, Pa.  
 a Jackson, Tenn.  
 a Elkhart, Ind.  
 z Cordoba, Ver. C.

....  
 Frank Blair, Prog. Dir.  
 H. D. Harris, Ch. Eng.  
 Herbert Mayer, Ch. Eng.  
 ....

....  
 Laurie L. Smith  
 ....  
 Lou Keplinger, Mgr.  
 ....  
 Ralph Nelson, Prog. Dir.  
 Irvin Faulkner, Ch. Op.  
 C. B. Baxter, Mgr.  
 De Witt Landis, Mgr.  
 Donald Treloar  
 Clark Standiford, Mgr.  
 John Bennett, Mgr.  
 F. W. Meyer  
 M. H. Bonebrake, Mgr.  
 ....  
 S. L. Patterson, Mgr.  
 G. V. Wilson, Mgr.  
 F. C. Clarke, Ch. Eng.  
 Tom Spellman, Ch. Eng.  
 W. R. Nichols, Ch. Eng.  
 Wayne Boothe, Ann'c'r.  
 Karl O. Wyler, Mgr.  
 ....  
 Geo. H. Thomas, Mgr.  
 M. M. Marget, Mgr.  
 ....  
 Randall Jessee, Mgr.  
 R. L. Rose, Mgr.  
 Harry R. Spence, Mgr.  
 Col. Eduardo Perez F.  
 R. V. DeGruy, Mgr.  
 Louis G. Baltimore  
 Norman H. Blake, Ch. Eng.  
 E. Hayes, Ch. Eng.  
 Paul W. Holton, Eng.  
 ....  
 Albert Zink, Mgr.  
 Roy Host, Ch. Eng.  
 Kirk Knight, Prog. Dir.  
 Roy Thompson, Eng.  
 F. S. Loeb, Mgr.  
 J. Samuel Brody  
 A. Lynne Brannen  
 Gene Stratton, Prog. Dir.  
 H. W. Wilson, Eng.  
 Julius Geise, Ch. Eng.  
 ....  
 Powell Hunter, Ch. Eng.  
 John R. Pepper  
 Donald A. Burton  
 ....  
 Kenneth Taylor, Ch. Eng.  
 Herbert House, Ch. Eng.  
 John Nazak, Ch. Eng.  
 I. Vermilya  
 ....  
 L. Strunk  
 Herbert Harmon, Mgr.  
 ....  
 Richard Kingston, Prog. Dir.  
 ....  
 B. C. Rummell, Ch. Eng.  
 R. R. Baker, Mgr.  
 Diodoro Zuniga

RADEX

XEAU ... 250  
 XEBO ... 25  
 XEFW ... 300  
 XETB ... 500  
 XEX ... 500  
 .... P 250

z Tijuana, B. Cfa.  
 z Irapuato, Gto.  
 a Tampico, Tam.  
 a Torreón, Coah.  
 a Monterrey, N. L.  
 z Washington, D. C.

....  
 Alfonso Martinez  
 ....  
 Aurelio G. Zaragoza  
 ....  
 ....

1320 kcs. (227.1 m.)

CMCR ... 200  
 KGHF B 500  
 KGM BCMZX 1000  
 KID ... 500(1)  
 KRNT ... 1000(5)  
 WADC CX 1000(5)  
 WORK N 1000  
 WSMB RX 1000(5)

z Havana, Cuba  
 a Pueblo, Colo.  
 a Honolulu, Hawaii  
 a Idaho Falls, Idaho  
 a Des Moines, Iowa  
 a Akron, Ohio  
 a York, Pa.  
 a New Orleans, La.

....  
 J. H. McGill, Pub. Dir.  
 Webley Edwards, Mgr.  
 Jack Duckworth, Mgr.  
 Edmund Linehan, Prog. Dir.  
 Robert Wilson  
 J. E. Mathiot, Ch. Eng.  
 H. G. Nebe, Ch. Eng.

1330 kcs. (225.4 m.)

KGB MX 1000  
 KMO M 1000  
 KRIS N 500  
 KSCJ NX 1000(5)  
 WDRC CX 1000(5)  
 WSAI MNX 1000(5)  
 WTAQ CX 1000(5)

a San Diego, Calif.  
 a Tacoma, Wash.  
 a Corpus Christi, Tex.  
 a Sioux City, Iowa  
 g Hartford, Conn.  
 a Cincinnati, Ohio  
 a Green Bay, Wis.

David R. Young, Prog. Dir.  
 Carl E. Haymond  
 T. Frank Smith, Mgr.  
 C. W. Corkhill, Mgr.  
 Italo Martino, Ch. Eng.  
 Bill Bailey, Pub. Dir.  
 ....

1340 kcs. (223.7 m.)

KDTH DP 500  
 KGIR EN 5000  
 KGNO ... 250(1)  
 WCOA N 500(11)  
 WFEA MN 500(1)  
 WFNC DP 250  
 WSPD RX 1000(5)  
 WPAB P 1000  
 XEAP ... 50  
 XEJP ... 100  
 XEBJ ... 100  
 XEBS ... 200  
 XEBW ... 250  
 XEDH ... 200  
 XEFC ... 100  
 XELW ... 250

z Dubuque, Iowa  
 a Butte, Mont.  
 b Dodge City, Kans.  
 a Pensacola, Fla.  
 a Manchester, N. H.  
 z Fayetteville, N. C.  
 a Toledo, Ohio  
 z Ponce, Puerto Rico  
 z Obregon, Son.  
 a Victoria, Tam.  
 z Mexico City, D. F.  
 a Chihuahua, Chih.  
 z Villa Acuna, Coah.  
 a Merida, Yuc.  
 z Guadalajara, Jal.

....  
 E. B. Craney, Mgr.  
 N. C. Peterson, Mgr.  
 ....  
 ....  
 ....  
 Emilio Manzanilla  
 Fernando Elizalde  
 Maria Remedios Delgado  
 ....  
 Vicente Hernandez  
 Julio Molina Font  
 ....

1350 kcs. (222.1 m.)

CMCA ... 200  
 KIDO N 1000(2.5)  
 KWK BM 1000(5)  
 WAWZ 2 1000  
 WBNR 2 1000  
 WMBG RX 500

a Havana, Cuba  
 a Boise, Idaho  
 a St. Louis, Mo.  
 a Zarephath, N. J.  
 a New York, N. Y.  
 a Richmond, Va.

J. M. Gonzalez, Dir.  
 C. G. Phillips, Mgr.  
 Clarence Cosby, Mgr.  
 ....  
 ....

1360 kcs. (220.4 m.)

CMJH ... 200  
 KCRC EM 250  
 KGER ... 1000  
 KLPM ... 500(1)  
 KSLM M 500(1)  
 WCSC C 500(1)  
 WFBL C 1000(5)  
 WGES 2 500(1)  
 WQBC D 1000  
 WSBT C2 500

d Ciego de Avila, Cuba  
 a Enid, Okla.  
 a Long Beach, Calif.  
 a Minot, N. Dak.  
 a Salem, Ore.  
 a Charleston, S. C.  
 a Syracuse, N. Y.  
 a Chicago, Ill.  
 a Vicksburg, Miss.  
 a South Bend, Ind.

Luis Marauri H.  
 Wm. Butterfield, Annc'r.  
 Jay Tapp, Ch. Eng.  
 Richard Schmidt, Mgr.  
 Clyde Wiegand, Ch. Eng.  
 ....  
 ....  
 ....  
 ....

1370 kcs. (218.8 m.)

CFAR ... 100  
 CFOS ... 100  
 CKCW F 100  
 CKRN ... 250  
 CMGE ... 200  
 HIZ ... 75  
 KEEN 3 100  
 GELD 250  
 KERN BEXZ 100

a Flin Flon, Man.  
 z Owen Sound, Ont.  
 a Moncton, N. B.  
 z Rouyn, P. Q.  
 a Cardenas, Cuba  
 z Trujillo, D. R.  
 a Seattle, Wash.  
 z El Dorado, Ark.  
 a Bakersfield, Calif.

....  
 ....  
 ....  
 J. O. Tardif, Mgr.  
 Genero Sebater  
 Frank Hatton  
 Arthur Dailey, Mgr.  
 F. E. Bols  
 Robert Stoddard, Mgr.

KFGO	D	100	a	Boone, Iowa	....
KFRO	DXZ	250	a	Longview, Texas	Harold Johnson, Mgr.
KFVS	...	250	a	Cape Girardeau, Mo.	....
KGFL	4	100	a	Roswell, N. Mex.	E. Whitmore, Mgr.
KGFL	...	100	a	San Angelo, Texas	Earle Yates, Mgr.
KICA	...	100	a	Clovis, N. Mex.	Chas. C. Alsup, Mgr.
KIUN	...	100	a	Pecos, Texas	Jack Hawkins, Mgr.
KIUP	...	100	a	Durango, Colo.	Ray Beckner, Mgr.
KLUF	...	250	a	Galveston, Tex.	Lawrence Yates, Mgr.
KMAC	5	250	a	San Antonio, Tex.	Howard Davis, Mgr.
KOBH	...	250	a	Rapid City, S. Dak.	Robert Dean, Mgr.
KOKO	...	100	a	La Junta, Colo.	Leonard Wilson
KONO	5	250	a	San Antonio, Tex.	ugene Roth, Mgr.
KORN	...	100(.25)	a	Fremont, Nebr.	....
KRE	...	250	a	Berkeley, Calif.	Arthur Westlund, Mgr.
KRKO	3	50	a	Everett, Wash.	Lee Mudgett
KRMC	...	250	a	Jamestown, N. Dak.	Frank Gillespie Prog. Dept.
KTEM	M	250	a	Temple, Texas	Burton Bishop, Mgr.
KTKO	EMN	250	a	Oklahoma City, Okla.	Joseph Lee, Mgr.
KTSW	M	250	a	Emporia, Kans.	K. W. Trimble, Gen. Mgr
KTUC	CE	250	a	Tucson, Ariz.	Frank Howe, Mgr.
KUJ	...	100	a	Walla Walla, Wash.	H. E. Studebaker, Mgr.
KVFD	G	250	a	Fort Dodge, Iowa	....
KVGB	...	250	a	Great Bend, Kans.	....
KVRS	...	250	a	Rock Springs, Wyo.	Ken Nielson, Mgr.
KWYO	...	250	a	Sheridan, Wyo.	H. W. Siebert, Mgr.
WABY	BM	100(.25)	a	Albany, N. Y.	Harold Smith, Mgr.
WAGF	D	250	a	Dothan, Ala.	Julian Smith, Mgr.
WATL	M	250	a	Atlanta, Ga.	....
WATW	P	100	a	Asheville, N. C.	....
WBLK	N	250	a	Clarksburg, W. Va.	....
WBNY	2	250	a	Buffalo, N. Y.	Roy Albertson
WBTH	...	250	z	Williamson, W. Va.	....
WBTM	...	100(.25)	a	Danville, Va.	....
WCBM	...	250	a	Baltimore, Md.	....
WCNC	...	250	z	Elizabeth City, N. C.	Lewis Hiland, Ch. Eng.
WCOS	...	250	a	Columbia, S. C.	....
WDAS	...	250	a	Philadelphia, Pa.	Harold Davis, Prog. Dir.
WDWS	...	250	a	Champaign, Ill.	....
WEOA	C	250	a	Evansville, Ind.	....
WFOR	...	100	a	Hattiesburg, Miss.	....
WFTL	...	100(.25)	a	Ft. Lauderdale, Fla.	Tom M. Bryan
WGBR	...	250	a	Goldsboro, N. C.	....
WGL	N	250	a	Fort Wayne, Ind.	....
WGRC	M	250	a	New Albany, Ind.	Jack Gardner, Ch. Eng.
WHBO	...	100	a	Memphis, Tenn.	....
WHDF	...	250	a	Calumet, Mich.	....
WHKY	P	250	z	Hickory, N. C.	....
WHLB	C	250	a	Virginia, Minn.	Vernon Baumgartner
WHLS	...	250	a	Port Huron, Mich.	Angus Pfaff, Mgr.
WHUB	P	250	z	Cookeville, Tenn.	M. L. Medley
WIBM	B	250	a	Jackson, Mich.	W. H. Dunny Prog. Dir.
WISE	N	250	z	Asheville, N. C.	Harold H. 8homs
WJAC	R	250	a	Johnstown, Pa.	....
WLLH	S	10-100	a	Lawrence, Mass.	Robert Donahue
WLLH	MS	250	a	Lowell, Mass.	Robert Donahue
WMAN	D	250	a	Mansfield, Ohio	....
WMBR	C	250	a	Jacksonville, Fla.	H. B. Greene, Ch. Eng.
WMFD	...	100(.25)	a	Wilmington, N. C.	Richard Dunlea
WMGA	...	250	z	Moultrie, Ga.	Frank R. Pidcock
WMIN	...	250	a	St. Paul, Minn.	....
WMSL	DEX	100	a	Decatur, Ala.	....
WOC	C	250	a	Davenport, Iowa	Allen R. Richter
WORD	P	100(.25)	z	Spartanburg, S. C.	....
WPRY	...	100	a	Portsmouth, Ohio	Maurice L. Myers
WRAK	XX	100(2.5)	a	Mayaguez, P. R.	....
WRDO	MN	250	a	Williamsport, Pa.	....
WRJN	...	100	a	Augusta, Maine	J. Mitchell
WSAU	...	250	a	Racine, Wis.	....
WSLB	P	250	z	Wausau, Wis.	....
WSVS	D2	50	z	Ogdensburg, N. Y.	....
WTSP	...	250	b	Buffalo, N. Y.	H. C. Bieda
XECZ	...	100	z	St. Peterburg, Fla.	....
XEI	...	125	z	San Luis Potosi, S. L. P.	Zeferino Z. Jimenez
XELZ	...	100	a	Morella, Micho.	Carlos Gutierrez
....	...	100	z	Mexico City, D. F.	Maria Gardena de Zetina
....	P	250	z	Kingsport, Tenn.	....
....	P	100(.25)	z	Opelika, Ala.	....
....	P	100(.25)	z	Scranton, Pa.	....

## 1380 kcs. (217.3 m.)

CMCW	...	200
KOH	NXX	500
KOV	...	10000
WALA	CX	500(1)
WING	N	250(.5)
WKBH	C	1000
WNBC	B	1000

d	Havana, Cuba
a	Reno, Nev.
b	Pittsburgh, Pa.
a	Mobile, Ala.
a	Dayton, Ohio
a	La Crosse, Wis.
a	New Britain, Conn.

A. Puente  
Merle Snider, Prog. Dir.  
J. J. Laux, Mgr.  
W. O. Pape, Mgr.  
.....  
.....  
Rogers B. Holt, Ch. Eng.

## 1390 kcs. (215.7 m.)

CMJC	...	200
KABR	...	500(1)
KLRA	C	1000(5)
KOY	C	1000
KRLC	...	250
WHK	KBM	1000(5)
WQDM	AD	1000
XEM	...	500

z	Camaguey, Cuba
a	Aberdeen, S. Dak.
a	Little Rock, Ark.
g	Phoenix, Ariz.
a	Lewiston, Idaho
a	Cleveland, Ohio
f	St. Albans, Vt.
z	Chihuahua, Chih.

Miguel Guillen Perez  
W. L. Dean, Prog. Dir.  
S. C. Vinsonhaier, Mgr.  
E. E. Alden  
Donald H. Wike, Mgr.  
E. L. Gove, Tech. Sup.  
.....  
.....

## 1400 kcs. (214.2 m.)

CMAR	...	200
CMKR	...	200
KLO	B	5000
KTUL	C	5000
TGX	...	.....
WARD	...	500
WBBC	2	500
WHDL	D	250
WIRE	MR	5000
WLTH	2	500
WVFW	2	500
XEA	...	250
XEAJ	...	100
XEDE	...	100
XEDS	...	250

z	Pinar del Rio, Cuba
z	Santiago de Cuba
a	Ogden, Utah
a	Tulsa, Okla.
d	Guatemala City, Guat.
a	Brooklyn, N. Y.
a	Brooklyn, N. Y.
a	Olean, N. Y.
a	Indianapolis, Ind.
a	New York, N. Y.
a	Brooklyn, N. Y.
z	Campeche, Cam.
z	Navojos, Son.
z	Torreón, Coah.
z	Mazatlan, Sin.

.....  
Jaime Nadal  
Paul R. Heitmeyer  
W. C. Gillespie  
.....  
AARON Kronenberg  
Bert Child, Prog. Dir.  
.....  
Earl Lewis, Ch. Eng.  
.....  
.....  
.....  
.....  
.....  
.....

## 1410 kcs. (212.5 m.)

CKFC	2	50
CKMO	2	100
CMCO	...	200
KFJM	...	500(1)
KGNC	N	1000(2.5)
KMED	N	250(1)
WAAB	EM	1000
WBCM	...	500(1)
WHIS	...	500(1)
WRWK	M	500(1)
WSFA	CE	500(1)

a	Vancouver, B. C.
a	Vancouver, B. C.
a	Havana, Cuba
a	Grand Forks, N. Dak.
a	Amarillo, Texas
b	Medford, Ore.
a	Boston, Mass.
a	Bay City, Mich.
a	Bluefield, W. Va.
a	Rockford, Ill.
a	Montgomery, Ala.

.....  
.....  
Andres Martinez  
Dalton Le Masurier, Mgr.  
O. L. Taylor, Mgr.  
.....  
E. A. Donaher  
.....  
Edw. L. Ketts  
.....  
.....  
.....

## 1420 kcs. (211.1 m.)

CBY	F	100
CHLN	...	100
CKCA	F	100(.25)
CKLN	F	100
CMJP	...	200
KABC	M	250
KATE	E	250
KBPS	4	100
KCMC	M	250
KDNT	...	100
KEUB	...	100
KFAM	EN	250
KFIZ	E	100
KGFF	EM	250
KGIW	3	100
KGLU	...	250
KIDW	...	100
KLBM	...	250
KORE	M	250
KRBC	M	250
KRBM	E	250
KRIC	...	250
KRLH	...	100
KSAN	...	250

a	Toronto, Ont.
z	Three Rivers, P. Q.
a	Kenora, Ont.
a	Nelson, B. C.
a	Moron, Cuba
a	San Antonio, Texas
a	Albert Lea, Minn.
a	Portland, Ore.
a	Texarkana, Texas
a	Denton, Texas
a	Price, Utah
a	St. Cloud, Minn.
a	Fond du Lac, Wis.
a	Shawnee, Okla.
a	Alamosa, Colo.
a	Safford, Ariz.
a	Lamar, Colo.
z	La Grande, Ore.
a	Eugene, Ore.
a	Abilene, Texas
a	Bozeman, Mont.
z	Beaumont, Texas
a	Midland, Texas
a	San Francisco, Calif.

.....  
Leon Trepanier, Ch.Eng.  
.....  
Hume Lethbridge, Mgr.  
Cesar Canals  
Chas. Belfi, Prog. Dir.  
Geo. Russell, Prog. Dir.  
Wm. Allingham, Mgr.  
W. T. Casper, Prog. Dir.  
Jack Wallace, Prog. Dir.  
Sam G. Weiss  
Geo. Bairey, Mgr.  
Lynn B. Fairbanks, Mgr.  
Ross Porter, Mgr.  
E. L. Allen  
.....  
Sherrill Ellsworth, Mgr.  
Paul E. Walden, Ch. Eng.  
Frank Hill, Mgr.  
Max Bentley, Mgr.  
.....  
Thomas Belzel, Mgr.  
S. H. Paterson, Mgr.

KTRI	...	250
KVAK	...	100
KWAL	...	100(.25)
KWBG	X	100
KXL	4	250
WACO	CM	250
WAGM	...	100
WAOV	P	100
WAPQ	NXZ	250
WAZL	...	250
WCBS	...	250
WCHV	...	250
WEED	...	250
WELL	B	100
WFMJ	...	250
WGNC	...	250
WGPC	X	100
WHFC	...	250
WHMA	X	100
WILM	...	250
WJMS	...	250
WKIP	P	250
WLAP	M	100(.25)
WLEU	B	250
WLPB	P	100(.25)
WMAS	C	250
WMBC	...	250
WMBH	...	250
WMBW	...	250
WMFJ	...	250
WMSD	X	100
WNOE	...	250
WPAD	...	250
WPAP	C	100
WPRP	...	250
WSLI	...	250
WSPB	...	100(.25)
....	P	100(.25)
....	...	100
....	P	100(.25)

f	Sioux City, Iowa
a	Atchison, Kans.
a	Wallace, Idaho
a	Hutchinson, Kans.
b	Portland, Ore.
b	Waco, Texas
a	Presque Isle, Maine
z	Vincennes, Ind.
a	Chattanooga, Tenn.
a	Hazleton, Pa.
a	Springfield, Ill.
a	Charlottesville, Va.
a	Rocky Mount, N. C.
a	Battle Creek, Mich.
a	Youngstown, Ohio
z	Gastonia, N. C.
a	Albany, Ga.
a	Cicero, Ill.
a	Anniston, Ala.
a	Wilmington, Del.
a	Ironwood, Mich.
z	Poughkeepsie, N. Y.
a	Lexington, Ky.
a	Erie, Pa.
z	Suffolk, Va.
a	Springfield, Mass.
a	Detroit, Mich.
a	Joplin, Mo.
a	Uniontown, Pa.
a	Daytona Beach, Fla.
a	Muscle Shoals City, Ala.
a	New Orleans, La.
a	Paducah, Ky.
a	Parkersburg, W. Va.
a	Ponce, Puerto Rico
a	Jackson, Miss.
a	Sarasota, Fla.
z	Martinsville, Va.
z	Marsville, Calif.
z	Valdosta, Ga.

Dietrich Dirks, Mgr.
....
W. B. Greenwald, Mgr.
T. W. Symons, Jr. Mgr.
James W. Pate, Mgr.
R. W. Macintosh Mgr.
....
R. G. Patterson, Mgr.
Edward Beisel, Prog. Dir.
....
Wm. Avers Wynne
....
F. C. Todd, Mgr.
....
Edwin Mullinax
....
Winston L. Clark, Mgr.
....
E. H. Clark, Ch. Eng.
....
Chas. McClane, Eng.
W. Wright Esch
....
Julio M. Conesa
G. G. Benson, Ch. Eng.
....
....
....
....

## 1430 kcs. (209.7 m.)

CJGX	F	1000
CMKZ	...	200
KGNF	D	1000
KINY	...	1000
KSO	BM	1000(5)
WBNS	C	1000(5)
WHEC	C	500(1)
WHP	C	1000(5)
WMPS	B	500(1)
WOKO	CK	500(1)
XERH	...	500

z	Yorkton, Sask.
z	Palma Soriano, Cuba
a	North Platte, Nebr.
a	Juneau, Alaska
a	Des Moines, Iowa
a	Columbus, Ohio
a	Rochester, N. Y.
a	Harrisburg, Pa.
a	Memphis, Tenn.
a	Albany, N. Y.
z	Mexico City, D. F.

A. L. Garside, Mgr.
Joaquin Venero Obregon
J. B. Eaves, Eng.
C. B. Arnold, Mgr.
Edmund Linehan, Prog. Dir.
....
....
....
....
....
....

## 1440 kcs. (208.2 m.)

CKGB	F	100
CMBY	...	200
KDFN	...	500
KELA	M	1000
KXYZ	BM	1000
WBIG	C	1000(5)
WCBA	C	500
WMBD	A	1000(5)
WSAN	aN	500
XEFI	...	1000

a	Timmins, Ont.
a	Havana, Cuba
a	Casper, Wyo.
a	Centralia, Wash.
a	Houston, Texas
a	Greensboro, N. C.
a	Allentown, Pa.
a	Peoria, Ill.
a	Allentown, Pa.
a	Chihuahua, Chih.

R. H. Thomson
Donald Hathaway
Pedro Marti, Ch. Eng.
J. Elroy McCaw, Mgr.
T. Frank Smith, Mgr.
....
....
F. A. Giles, Tech. Dir.
Geo. G. Snyder Prog. Dir.
Feliciano Lopez Islas

## 1450 kcs. (206.8 m.)

CFCT	...	500
CHGS	F	50
CMHM	...	200
HRN	...	500
KCMO	...	1000(5)
KGCX	...	1000
KIEM	M	500(1)
KTBS	NZ	1000
TGQ	...	200

a	Victoria, B. C.
f	Summerside, P. E. I.
z	Cienfuegos, Cuba
b	Tegucigalpa, Hond.
a	Kansas City, Mo.
a	Wolf Point, Mont.
a	Eureka, Calif.
a	Shreveport, La.
a	Quezaltenango, Guat.

....
R. T. Holman
Jose R. Feminias
....
Lee Roberts, Prog. Dir.
Milton J. Severson, Mgr.
Wm. B. Smullin Mgr.
John McCormack, Mgr.
....

WAGA B 500(1)  
 WGAR C 1000(5)  
 WHOM ... 250  
 WWSR M 1000  
 XEF ... 100

a Atlanta, Ga.  
 a Cleveland, Ohio  
 a Jersey City, N. J.  
 f Fall River, Mass.  
 a Juarez, Chih.

Jess Swicegood  
 R. M. Pierce, Ch. Eng.  
 ....  
 Gilberto Gil

### 1460 kcs. (205.4 m.)

CMKF ... 250  
 KSTP RX 10000(25)  
 WJSV CX 10000

z Holguin, Cuba  
 z St. Paul, Minn.  
 a Washington, D. C.

Manuel J. De Gongora  
 Stanley Hubbard, Mgr.  
 Harry R. Crow; Clyde Hunt

### 1470 kcs. (204 m.)

CMCX ... 200  
 H180 1475 100  
 KGA BM 5000  
 WLAC 5000

z Havana, Cuba  
 z Trujillo, D. R.  
 a Spokane, Wash.  
 a Nashville, Tenn.

L. Sanchez  
 Julio A. Garcia  
 A. L. Smith, Mgr.  
 J. T. Ward

### 1480 kcs. (202.6 m.)

CMHX ... 200  
 KOMA C 5000  
 WHIP D 5000  
 WKBW CM 5000

a Cienfuegos, Cuba  
 a Oklahoma City, Okla.  
 z Hammond, Ind.  
 a Buffalo, N. Y.

J. Garcia R.  
 Raymond Ramsey  
 Elmer Herkner  
 ....

### 1490 kcs. (201.2 m.)

CMKQ E 1000  
 KFBK EKN 10000  
 WCKY C 5000  
 XECH ... 250  
 XEDR ... 100

z Santiago de Cuba  
 a Sacramento, Calif.  
 a Cincinnati, Ohio  
 z Toluca, Mex.  
 z Guaymas, Son.

Mario Abril Dumois  
 Howard Lane  
 C. H. Topmiller, Ch. Eng.  
 ....  
 Modeste Ortega

### 1500 kcs. (199.9 m.)

CJIC F 100  
 CMOX ... 200  
 CWAM ... 100  
 KBIX EM 100  
 KBKR P 100(.25)  
 KBST M 100  
 KDAL C 100(.25)  
 KDB EM 100(.25)  
 KDRO ... 100(.25)  
 KFDA M 100  
 KGF1 ... 100(.25)  
 KGKY ... 250  
 KNEL D 250  
 KNOW M 250  
 KOTN D 100  
 KOVC ... 250  
 KPAB ... 250  
 KPLC ... 250  
 KPLT ... 250  
 KPO M 250  
 KRNR M 100(.25)  
 KROD P 250  
 KSAL XZ 100(.25)  
 KTOH P 100(.25)  
 KUTA N 250  
 KVOE M 100  
 KWVC ... 250  
 KWWEW ... 100  
 KXO M 100  
 KYCA P 100(.25)  
 KYSM EN 250  
 WCNW 2 100(.25)  
 WDAN ... 250  
 WDNC C 250  
 WGAL N 250  
 WGIL 250  
 WGKV N 100  
 WGTG DP 250  
 WHBB ... 100  
 WJBK ... 250  
 WKAT ... 250  
 WKBB C 250

a Sault Ste. Marie, Ont.  
 a Havana, Cuba  
 a Gallup, N. Mex.  
 a Muskogee, Okla.  
 z Baker, Ore.  
 a Big Spring, Texas  
 a Duluth, Minn.  
 a Santa Barbara, Calif.  
 z Sedalia, Mo.  
 z Amarillo, Texas  
 a Brownsville, Texas  
 a Scottsbluff, Nebr.  
 a Brady, Texas  
 a Austin, Texas  
 a Pine Bluff, Ark.  
 a Valley City, N. Dak.  
 a Laredo, Texas  
 a Lake Charles, La.  
 a Paris, Texas  
 a Wenatchee, Wash.  
 a Roseburg, Ore.  
 z El Paso, Texas  
 z Salina, Kans.  
 z Lihue, Hawaii  
 a Salt Lake City, Utah  
 a Santa Ana, Calif.  
 z Vernon, Texas  
 a Hobbs, N. Mex.  
 a El Centro, Calif.  
 z Prescott, Ariz.  
 a Mankato, Minn.  
 a Brooklyn, N. Y.  
 a Danville, Ill.  
 a Durham, N. C.  
 a Lancaster, Pa.  
 a Galesburg, Ill.  
 z Charleston, W. Va.  
 z Greenville, N. C.  
 a Selma, Ala.  
 a Detroit, Mich.  
 z Miami Beach, Fla.  
 a Dubuque, Iowa

J. C. Whitby  
 E. Chisholm  
 A. W. Mills  
 J. H. Speck, Mgr.  
 Louis P. Thornton  
 Mary V. Keneaster, Prog. Dir.  
 Gilbert Fawcett, Prog. Dir.  
 Earl Pollock, Mgr.  
 ....  
 Fred Hammond, Ch. Eng.

G. L. Burns  
 ....  
 B. J. Parrish, Mgr.  
 Mark C. Crandall, Mgr.  
 Mervel M. Valentine  
 C. R. Porter, Mgr.  
 J. Bert Mitchell, Mgr.  
 Cole E. Wylie, Mgr.  
 Justin B. Toles, Mgr.  
 Dorrence D. Roderick  
 A. E. Crockett, Mgr.  
 C. J. Fern, Jr.  
 Frank C. Carman, Mgr.  
 Ernest L. Spencer, Mgr.  
 Mrs. C. C. Minyard, Sec'y.  
 W. E. Whitmore  
 F. M. Bowles, Mgr.  
 ....  
 H. Kimberley, Ch. Eng.  
 Arthur Faske  
 Perry W. Esten, Ch. Eng.  
 ....  
 Paul Kalbfeisch, Ass't Eng.  
 ....  
 Winifred Powers  
 Russell Bennet  
 L. Carlson, Eng. Dept.

WKBV	...	100(.25)	a	Richmond, Ind.	....
WKBZ	...	250	a	Muskegon, Mich.	....
WKEU	D	100	a	Griffin, Ga.	....
WKNY	DX	100	a	Kingston, N. Y.	....
WMEX	XZ	100(.25)	a	Boston, Mass.	....
WMIJ	P	100(.25)	z	Cordele, Ga.	....
WMOG	P	100(.25)	z	Brunswick, Ga.	....
WNBF	C	250	a	Binghamton, N. Y.	....
WNLC	M	100	a	New London, Conn.	....
WOLF	P	100	z	Syracuse, N. Y.	....
WOMI	...	250	a	Owensboro, Ky.	....
WOPI	...	250	a	Bristol, Tenn.	....
WRDW	C	250	a	Augusta, Ga.	....
WRGA	...	250	a	Rome, Ga.	....
WRTD	BXZ	100	a	Richmond, Va.	David Bain, Ch. Eng.
WSTP	M	250	a	Salisbury, N. C.	James R. Yost, Ch. Eng.
WSYB	M	250	a	Rutland, Vt.	....
WTMC	...	100	z	Ocala, Fla.	....
WTMV	...	250	a	E. St. Louis, Ill.	F. S. Liggett, Ch. Eng.
WWRL	2	100(.25)	a	Woodside, N. Y.	....
WWSW	...	250	a	Pittsburgh, Pa.	....
XEQK	...	400	z	Mexico City, D. F.	....
....	P	100(.25)	z	Erie, Pa.	....

**1510 kcs. (198.6 m.)**

CFRC	F	100	a	Kingston, Ont.	H. H. Stewart, Ch. Eng
CKCR	...	100	a	Waterloo, Ont.	G. Liddle

**1520 kcs. (197.3 m.)**

TGW	...	5000	e	Guatemala City, Guat.	L. Schlesinger Carrera, Dir.
-----	-----	------	---	-----------------------	------------------------------

**1530 kcs. (196 m.)**

CMC	...	200	z	Havana, Cuba	....
KITE	...	1000	a	Kansas City, Mo.	Pete Houck, Eng.
WBRY	CM	1000	a	Waterbury, Conn.	S. E. Warner, Ch. Eng.
....	P	1000	z	Akron, Ohio	....

**1550 kcs. (193.4 m.)**

KPMG	M	1000	a	Bakersfield, Calif.	L. A. Schamblin, Mgr.
WQXR	X	1000	a	New York, N. Y.	Russell Valentine, Ch. Eng.

**1560 kcs. (112.2 m.)**

CMBF	...	5000	z	Havana, Cuba	J. P. Malvido, Dir.
------	-----	------	---	--------------	---------------------

**1580 kcs. (189.8 m.)**

CMRT	...	200	z	Guines, Cuba	Raul Torres Parda
------	-----	-----	---	--------------	-------------------

**1600 kcs. (187.4 m.)**

CMBH	...	5000	e	Havana, Cuba	Alberto Alvarez Ferrera
------	-----	------	---	--------------	-------------------------

KVIC Victoria, had their dedication program on New Year's day, they came in here quite well in the daytime, but QRM on that channel gets them down about 5 P. M. . . . KNOW Austin, has increased power to 250 watts and are heard with a surprising punch (Patt Webb, San Antonio, Teas).

KFYR, in a letter signed Maewin Clough DX announcer, has a very neat stamp, tower, transmitter building and letters in gold on black back-

ground, also enclosed folder of staff and information. (Bee Catalano, Chicago, Ill. R 1404).

KWTN on 1210 kcs. Watertown, S. Dak. is deleted, 2nd a new station KWAT in that city is under construction. Will begin operations about Feb. 1st Mr. Brimble is manager. With a 208 ft. vertical tower, they will operate with 250 watts. (Merlin Steen, Decorah, Iowa and Lee Grossman Rochester, N. Y.)



# NORTH AMERICAN B. C. STATIONS BY LOCATIONS

*Frequency is given in kilocycles in second column. For power and network affiliations, refer to the list of North American stations by Frequencies.*

ALABAMA	El Dorado	San Bernardino	New Haven	Athens
Anneton	KELD 1870	KFXM 1210	WRLI 980	WGAA 1810
WHMA 1420	Fort Smith	San Diego	New London	Atlanta
Birmingham	KFPW 1210	KFSD 600	WNLC 1500	WAGA 1450
WAPI 1160	Hot Springs	KGB 1230	Waterbury	WATL 1370
WBRC 930	KTHS 1080	San Francisco	WATR 1290	WMBI 1080
WBSN 1210	KWPC 1310	KFBC 610	WBRV 1530	WGST 890
Doatour	Jonesboro	KGO 790		WSB 740
WMSL 1870	KBTM 1200	KJBS 1070	<b>DELAWARE</b>	Augusta
Dotson	Little Rock	KPO 680	Wilmington	WRDW 1500
WAGF 1870	KABK 890	KSAN 1470	WDEL 1120	Brunswick
Gadsden	KGHI 1200	KSFO 560	WILM 1420	WMOG 1500
WJBY 1210	KLRA 1290	KYA 1290		Columbia
Huntsville	Pine Bluff	San Jose	<b>DISTRICT OF COLUMBIA</b>	WBRL 1290
WBEP 1200	KOTN 1500	KQW 1010	Washington	WJTM 1500
Mobile	Shoem Springs	San Luis Obispo	WJWS 1460	Griffin
WALA 1290	KUOA 1260	KVEC 1200	WMAD 639	WKEU 1500
WMOB 1200	<b>CALIFORNIA</b>	Santa Ana	WOL 1230	Macon
Montgomery	Bakersfield	KVOE 1500	WBC 950	WMAE 1120
WCOV 1210	KERN 1870	Santa Barbara		Moultrie
WSFA 1410	KPMC 1530	KDB 1500		WMGA 1370
Seima	Berkeley	KTMS 1220		Rome
WBBB 1500	KBE 1870	San Jose	<b>FLORIDA</b>	WBGA 1500
Muscle Shoals	City	Stockton	Daytona Beach	WSAV 1210
WMSD 1420	Beverly Hills	KGDM 1190	WDFJ 1420	WTCC 1260
Tuscaloosa	KMPC 710	Chico	Ft. Lauderdale	WPAX 1210
WJED 1200	KHSL 1260	Visalia	WFTL 1370	Waycross
	El Centro	KTKC 890	Ft. Myers	WYXX 1200
	KKO 1500	Watsonville	WFTM 1210	<b>HAWAII</b>
<b>ALASKA</b>	Eureka	KHUB 1210	Gainesville	Hilo
Anchorage	KIEM 1480	<b>COLORADO</b>	WBUF 520	KHBC 1200
KFQD 750	Freese	Alamosa	Jacksonville	Honolulu
Fairbanks	KARM 1210	KGIW 1420	WJAX 900	KGMB 1220
KFAE 610	KMJ 530	Colorado Springs	WJHP 1290	KGU 780
Juneau	Glendale	KVOR 1270	WMBR 1370	Lihue
KINY 1480	KIEV 850	Denver	Lakeland	KTOH 1500
Ketchikan	Long Beach	KFEL 920	WLAK 1210	
KGBU 900	KPOF 1290	KLS 560	Miami	<b>IDAHO</b>
	KGER 1300	KMYR 1310	MIAMI BEACH	Boise
	Los Angeles	KOA 820	WQAM 560	KIDO 1250
	KECA 790	KPOF 820	WKAT 1500	Idaho Falls
	KFAC 1300	KVOD 630	Ocala	KID 1230
	KFI 640	Durango	WFMG 1290	Lewiston
	KFSG 1120	KIUP 1970	Orlando	KRLC 1290
	KFVD 1000	Grand Junction	WDBO 536	Nampa
	KFWB 950	KFXJ 1200	Panama City	KFKD 1200
	KGJF 1290	Greeley	WDLJ 1200	Pocatello
	KHJ 900	KFKA 820	Pensacola	KSEI 900
	KMTB 570	La Junta	WCOA 1240	Twin Falls
	KNX 1050	KOKO 1370	St. Augustine	ETFI 1240
	KRKD 1120	Lamar	WFOY 1210	Wallace
	Marsed	KIDW 1420	St. Petersburg	KWAL 1420
	KYOS 1040	Pueblo	WSUN 620	
	Madison	KGHP 1220	WTSP 1270	<b>ILLINOIS</b>
	KTRB 740	Stirling	Sarasota	Aurora 1290
	Monterey	KGEK 1200	WSPB 1420	Bloomington
	KDON 1210	<b>CONNECTICUT</b>	Tallahassee	WJBC 1290
	Oakland	Bridgport	WTAL 1210	Carthage
	KLS 1280	WICC 600	Tampa	WCAZ 1070
	KLK 880	Hartford	WDAE 1220	Champaign
	KROW 930	WDBC 1280	WFLA 620	WDBS 1370
	Pasadena	WTIC 1040	West Palm Beach	Chicago
	KPPC 1210	WTHT 1290	WJNO 1200	WAAF 920
	Redding	New Britain		WBBM 770
	KVCV 1200	WNBC 1290	<b>GEORGIA</b>	WCBD 1090
	Sacramento		Albany	WCFL 970
	KFBK 1490		WGPC 1420	WCBW 1210
	KBOY 1210			

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

WEDC	1210
WENR	870
WGEN	1360
WGN	730
WJJD	1130
WLS	870
WMAQ	670
WBBI	1080
WBSC	1210
Cloers	
WHFC	1420
Danville	
WDAN	1600
Deatur	
WBOY	1310
East St. Louis	
WTMY	1500
Galesburg	
WGIL	1500
Harrisburg	
WBBQ	1210
Herrin	
WJPF	1310
Joliet	
WCLS	1210
Peoria	
WMBD	1440
Quincy	
WTAD	900
Rockford	
WROK	1410
Rock Island	
WIBF	1340
Springfield	
WCBS	1420
WTAX	1210
Tuscola	
WDE	1020
Urbana	
WILL	680

## INDIANA

Anderson	
WBVB	1210
Eikhart	
WTBC	1210
Evansville	
WBOA	1270
WGBF	380
Fort Wayne	
WGL	1370
WOWO	1160
Gary	
WIND	580
Hammond	
WHIP	1480
WWAE	1200
Indianapolis	
WFBB	1220
WIBC	1050
WIRE	1400
Muncie	
WLBC	1210
New Albany	
WGBC	1270
Richmond	
WKBY	1500
South Bend	
WFAM	1200
WBSB	1240
Terre Haute	
WBOW	1200
Vincennes	
WAOV	1420
West Lafayette	
WBAA	890

## IOWA

Ames	
WOI	640
Boone	
KFGQ	1270
Cedar Rapids	
WMT	600
Davenport	
WOC	1270
Decorah	
KGCA	1270
KWLC	1270
Des Moines	
KRNT	1220
KBO	1420
WHO	1000
Dubuque	
KDTH	1240
WKBB	1500
Fort Dodge	
KVFD	1270
Iowa City	
WSUI	880
Marshalltown	
KFJB	1200
Mason City	
KGLO	1210
Shenandoah	
KFNF	890
KMA	930
Sioux City	
KBCJ	1220
KTRI	1420

## KANSAS

Abilene	
KFBI	1050
Atchison	
KVAK	1420
Coffeyville	
KGFF	1010
Dodge City	
KGNO	1240
Emporia	
KTSW	1270
Garden City	
KIUL	1210
Great Bend	
KVGB	1270
Hutchinson	
KWBG	1420
Kansas City	
KCKN	1210
Lawrence	
KFKU	1220
WREN	1220
Manhattan	
KSAC	580
Pittsburg	
KOAM	790
Salina	
KSAL	1500
Topoka	
WIBW	580
Wichita	
KANS	1210
KFH	1200

## KENTUCKY

Ashland	
WCMI	1210
Bowling Green	
WBLJ	1210

Hopkinsville	
WHOP	1200
Lexington	
WLAP	1420
Lebanon	
WAYE	940
WLAS	820
WINN	1210
Owasso	
WOMI	1500
Paducah	
WPAD	1420

## LOUISIANA

Alexandria	
KALB	1210
Baton Rouge	
WJBO	1120
Lafayette	
KVOL	1210
Lake Charles	
KPLC	1500
Monroe	
KMLB	1200
New Orleans	
WDSU	1220
WJBW	1200
WNOE	1420
WSMB	1220
WWL	850
Shreveport	
KRMD	1210
KTBS	1450
KWKH	1100

## MAINE

Augusta	
WBDO	1270
Bangor	
WABI	1200
WLBE	620
Lewiston	
WCOU	1210
Portland	
WCBS	940
WGAN	640
Presque Isle	
WAGM	1420

## MARYLAND

Baltimore	
WBAL	760
WBAL	1060
WCAO	600
WCBM	1270
WFBZ	1270
Cumberland	
WTBO	800
Frederick	
WFMD	900
Hagerstown	
WJEF	1210

## MASSACHUSETTS

Boston	
WAAB	1410
WBE	990
WCOF	1120

WEEI	590
WHDH	530
WMEX	1500
WNAC	1220
WOBL	920
Fall River	
WSAB	1450
Greenfield	
WHAI	1210
Hyaunis	
WOCE	1210
Lawrence	
WLAW	680
WLLH	1270
Lowell	
WLLH	1270
New Bedford	
WNLH	1210
Pittsfield	
WBRK	1210
Salem	
WESX	1200
Springfield	
WBZA	990
WMAS	1420
WSPR	1140
Worcester	
WORB	1280
WTAG	580

## MICHIGAN

Battle Creek	
WELL	1420
Bay City	
WBCM	1410
Calumet	
WBDF	1270
Detroit	
WJBK	1500
WJB	750
WMBC	1420
WWJ	920
WXYZ	1240
East Lansing	
WKAR	850
Flint	
WFDF	1210
Grand Rapids	
WASH	1270
WOOD	1270
Ironwood	
WTMS	1420
Jackson	
WIBM	1270
Kalamazoo	
WKZO	800
Lansing	
WJIM	1210
Lapeer	
WMPG	1200
Margaretta	
WDMJ	1210
Muskegon	
WKBZ	1500
Pontiac	
WCAR	1100
Port Huron	
WHLS	1270
Royal Oak	
WEKL	1210
Saginaw	
WHAL	950
WSAM	1200
Sault Ste. Marie	
WSOO	1200

## MINNESOTA

Albert Lea	
KATE	1420
Duluth	
KDAL	1500
WEBC	1200
Forge Falls	
KGDE	1200
Hibbing	
WMPG	1210
Maskate	
KYSM	1500
Minneapolis	
WCCO	810
WDGY	1120
WLB	760
WTCN	1250
Moorhead	
KVOX	1210
Northfield	
WCAL	760
Rochester	
KROC	1210
St. Cloud	
KFAM	1420
St. Paul	
KSTP	1460
WMIN	1270
Virginia	
WHLS	1270
Wigona	
KWNO	1200

## MISSISSIPPI

Greenville	
WJPR	1210
Grenada	
WGRM	1210
Gulfport	
WGCM	1210
Hattiesburg	
WFOR	1270
Jackson	
WJDX	1270
WSLI	1420
Laurel	
WAML	1210
McComb	
WSKB	1200
Meridian	
WCOC	580
Vicksburg	
WQBC	1200

## MISSOURI

Cape Girardeau	
KFVS	1270
Columbia	
KFBV	620
Jefferson City	
KWOS	1210
Joplin	
WMBH	1420
Kansas City	
KCMO	1450
KITE	1520
KMBC	950
WDAF	610
WBB	260
Poplar Bluff	
KWOC	1210

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

St. Joseph	
KFEQ	689
St. Louis	
KPFO	550
KMOX	1099
KSD	550
KWK	1250
KKOK	1250
WBW	740
WLL	1200
Soedalia	
KDBO	1500
Springfield	
KGBX	1230
KWTO	550

MONTANA

Billings	
KGHL	780
Bozeman	
KRBM	1420
Butte	
KGIB	1340
Great Falls	
KPBB	1280
Helena	
KPFA	1210
Kalispell	
KGEE	1210
Missoula	
KGVO	1280
Wolf Point	
KGCK	1450

NEBRASKA

Fremont	
KORN	1370
Grand Island	
KMMJ	740
Hastings	
KHAS	1200
Kearney	
KGFW	1210
Lincoln	
KFAB	770
KPBO	1210
Norfolk	
WJAG	1060
North Platte	
KGNF	1420
Omaha	
KOIL	1260
KOWH	650
WOW	590
Scottsbluff	
KGKY	1800

NEVADA

Reno	
KOH	1250

NEW HAMPSHIRE

Laconia	
WLNH	1810
Manchester	
WPKA	1240
Portsmouth	
WHEB	740

NEW JERSEY

Asbury Park	
WCAP	1280
Atlantic City	
WBAB	1300
WPG	1100
Bridgeton	
WSNJ	1210
Camden	
WCAM	1280
Jersey City	
WAAT	940
WHOM	1450
Newark	
WBBI	1250
WOR	710
Red Bank	
WBEB	1210
Trenton	
WTNJ	1290
Zarephath	
WAWZ	1350

NEW MEXICO

Albuquerque	
KGGM	1220
KOB	1180
Carlsbad	
KLAH	1210
Clevis	
KICA	1270
Gallop	
KAWM	1500
Hobbs	
KWEW	1800
Roswell	
KGFL	1270
Santa Fe	
KVEF	1210

NEW YORK

Albany	
WABY	1270
WOKO	1420
Auburn	
WMBO	1210
Binghamton	
WBNP	1200
Brooklyn	
WARD	1400
WBEC	1400
WBEB	1200
WCNW	1800
WYFV	1400
Buffalo	
WBEN	900
WBNY	1270
WEBR	1210
WGR	550
WKBW	1420
WSVS	1270
Canton	
WCAD	1220
Elmira	
WENY	1200
WESG	250
Freeport	
WGBB	1210
Jamestown	
WJTN	1210
Newburgh	
WGNV	1220

New York

WABC	260
WBLL	1100
WBKX	1220
WBOQ	220
WBAF	260
WEVD	1200
WEN	2010
WINS	1120
WJZ	700
WLTH	1400
WMCA	270
WNEW	1220
WNYC	210
WOV	1120
WQXR	1550
Niagara Falls	
WHLI	1220
Ogdensburg	
WLSL	1270
Glenn	
WHDL	1400
Plattsburg	
WMFF	1210
Poughkeepsie	
WKIP	1420
Rochester	
WHAM	1120
WHEC	1420
WSAY	1210
Saranac Lake	
WNBS	1220
Schenectady	
WGY	700
Syracuse	
WFBL	1260
WOLF	1500
WYBE	270
WSYU	270
Troy	
WHAZ	1200
WTBY	220
Utica	
WIBX	1200
Ulster Twp.	
WKNY	1500
White Plains	
WFAS	1210
Woodside	
WWEL	1500

NORTH CAROLINA

Ashville	
WISE	1270
WWNC	270
Charlotte	
WBT	1020
WOC	1210
Durham	
WDNC	1200
Elizabeth City	
WCNC	1270
Fayetteville	
WFNC	1240
Gastonia	
WGNC	1420
Goldersboro	
WGBR	1270
Greensboro	
WBIG	1440
Greenville	
WCFC	1500
Hickory	
WHKY	1270
High Point	
WMFB	1200

Kinston

WFNC	1200
Raleigh	
WPTF	220
WRAL	1210
Rocky Mount	
WEED	1420
Salisbury	
WSPZ	1500
Wilmington	
WMFD	1270
Wilson	
WGFM	1210
Winston-Salem	
WAIR	1250
WSJS	1210

NORTH DAKOTA

Bismarck	
KPFR	550
Devils Lake	
KDLB	1210
Fargo	
WDAY	940
Grand Forks	
KPFM	1410
Jamestown	
KRMC	1270
Mandan	
KGCU	1240
Minot	
KLPM	1260
Valley City	
KOVC	1200

OHIO

Akron	
WADC	1220
WJW	1210
Ashabula	
WICA	940
Canton	
WBHC	1200
Cincinnati	
WCKY	1490
WCPO	1200
WKEO	550
WLW	700
WBAI	1220
WEXO	700
Cleveland	
WCLE	610
WGAB	1450
WHK	1290
WTAM	1070
Columbus	
WBNS	1430
WOOL	1210
WHKC	640
WOBU	270
Dayton	
WHIO	1200
WING	1220
Lima	
WLOK	1210
Mansfield	
WMAN	1270
Portsmouth	
WPAY	1270
Toledo	
WSPD	1240
WTOG	1200
Youngstown	
WFLM	1420

WKBN 270

Zanesville	
WHIZ	1210

OKLAHOMA

Ada	
KADA	1290
Armore	
KVSO	1210
Elk City	
KABA	1210
Enid	
KCBC	1200
Muskogee	
KBIX	1200
Norman	
WNAD	1010
Okfuskee City	
KOCY	1210
KOMA	1490
KTOK	1270
WKY	200
Okmulgee	
KHBB	1210
Ponca City	
WBEE	1200
Shawnee	
KGFF	1420
Tulsa	
KOMB	1210
KTUL	1400
KVOO	1140

OREGON

Astoria	
KAST	1200
Baker	
KBKR	1200
Bend	
KBND	1210
Corvallis	
KOAC	520
Eugene	
KORE	1420
Grants Pass	
KULN	1210
Klamath Falls	
KFJI	1210
La Grande	
KLBM	1420
Marshfield	
KOOS	1200
Medford	
KMED	1410
Portland	
KALB	1200
KBPS	1420
KEX	1180
KGW	220
KOIN	240
KWJJ	1240
EXL	1420
Roseburg	
KRNB	1200
Salem	
KSLM	1200

Pennsylvania

Allentown	
WCBA	1440
WSAN	1440
Altoona	
WFBG	1210
Easton	
WEST	1200

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Erie WLEU 1420	Charlotte WCBC 1500 WTMA 1210 Columbia WCOS 1879 WIS 550 Florence WOLS 1300 Greenville WFBC 1500 Spartanburg WORD 1370 WSPA 920 Sumter WFIG 1310	Boston KFDM 500 KRIC 1420 Big Spring KBST 1500 Brady KNEL 1500 Brownsville KGFI 1500 College Station WTAU 1130 Corpus Christi KRIS 1830 Dallas KRLD 1040 WFAA 900 WBR 1280 Denton KDNT 1420 Dublin KFPL 1810 El Paso KBOD 1500 KTM 1810 WDAH 1810 Fort Worth KFZE 1540 KGKO 870 WRAP 900 Galveston KLOU 1870 Houston KPRC 920 KTRH 1290 KXXE 1440 Kilgore KOCA 1810 Laredo KPAB 1500 Longview KFRO 1870 Lubbock KFYO 1810 Midland KRLH 1420 Pampa KPDN 1810 Paris KPLT 1500 Pecos KIUN 1870 Plainview KWBD 1200 Port Arthur KPAC 1220 San Angelo KGKL 1870 San Antonio KABC 1420 KMAC 1870 KONO 1870 RTSA 550 WQAI 1190 Sherman KRBV 1810 Sweetwater KXOX 1210 Temple 9ART JUELH	Texas KCMC 1420 Vernon KYWC 1500 Victoria KVIC 1310 Waco WACO 1420 Weehee KBBV 1260 Wichita Falls KWFT 620	WASHINGTON Aberdeen KKBO 1210 Bellingham KVOS 1200 Centralia KELA 1640 Everett KRKO 1870 Langview KWLK 750 Olympia KGY 1210 Pullman KWSC 1290 Seattle KERN 1870 KIBO 710 KJB 970 KOL 1870 KOMO 920 KRRS 1180 KTV 1220 KKA 700 Spokane KFIO 1120 KFFY 890 KGA 1470 KHQ 800 Tacoma KMO 1290 KVI 870 Vancouver KVAN 890 Walla Walla KUJ 1870 Wenatchee KQ 1500 Yakima KIT 1250
WGAL 1500 New Castle WKST 1250 Philadelphia KYW 1020 WGAA 1170 WDAS 1870 WZL 580 WHAT 1210 WIP 618 WPKN 920 WREL 1210 Pittsburgh KDKA 980 KQV 1280 WCAE 1220 WJAB 1290 WWSW 1500 Reading WEMU 890 WBAW 1210 Scranton WGBI 880 WQAN 880 Sharon WPIC 780 Sunbury WKOK 1210 Uniontown WMBS 1420 Wilkes-Barre WBAX 1210 WBRE 1210 Williamsport WBAK 1270 York WORE 1220	<b>SOUTH DAKOTA</b> Aberdeen KABR 1890 Brookings KFDY 780 Pierre KGFY 680 Rapid City KOBH 370 WCAT 1200 Stout Falls KELO 1200 KBOO 1110 Vermillion KUSD 890 Watertown KWAT 1210 Yankton WNAX 970	<b>UTAH</b> Cedar City KSUB 1210 Logan KVN 1200 Ogden KLO 1400 Price KEUB 1420 Provo KOVO 1210 Salt Lake City KDYL 1290 KSL 1180 KUTA 1500	<b>VERMONT</b> Burlington WCAX 1200 Rutland WSB 1500 St. Albans WQDM 1290 Springfield WNEX 1260 Waterbury WDEV 550	<b>WEST VIRGINIA</b> Beckley WLS 1210 Bluefield WBIS 1410 Charleston WCHS 580 WGKY 1500 Clarksburg WBLK 1270 Fairmont WMMN 890 Huntington WSAZ 1190 Parkersburg WPAB 1420 Wheeling WWVA 1160 Williamson WBTH 1270
WAL 1420 Johnstown WJAC 1370 Lancaster WGAL 1500 New Castle WKST 1250 Philadelphia KYW 1020 WGAA 1170 WDAS 1870 WZL 580 WHAT 1210 WIP 618 WPKN 920 WREL 1210 Pittsburgh KDKA 980 KQV 1280 WCAE 1220 WJAB 1290 WWSW 1500 Reading WEMU 890 WBAW 1210 Scranton WGBI 880 WQAN 880 Sharon WPIC 780 Sunbury WKOK 1210 Uniontown WMBS 1420 Wilkes-Barre WBAX 1210 WBRE 1210 Williamsport WBAK 1270 York WORE 1220	<b>TENNESSEE</b> Bristol WOPI 1500 Chattanooga WAPO 1420 WDOD 1280 Cookeville WJUE 1370 Jackson WJIS 1810 Johnson City WJHL 1200 Knoxville WNOX 1019 WBOL 1810 Memphis WBBQ 1870 WMC 780 WMPB 1420 WRBC 608 Nashville WLAC 1470 WBK 1210 WBM 680	<b>VIRGINIA</b> Charlottesville WCHV 1420 Danville WBTV 1370 Fredericksburg WFVA 1260 Harrisonburg WBYA 550 Lynchburg WLVA 1200 Newport News WGH 1210 Norfolk WTAR 780 Petersburg WPID 1210 Richmond WBBL 1210 WMBG 1250 WNLN 880 WBTB 1500 WBYA 1110 Roanoke WDBJ 880 Suffolk WLPM 1420	<b>WISCONSIN</b> Appleton WBYY 1200 Ashland WATA 1270 Eau Claire WEAU 1050 Fond du Lac KFIZ 1420 Green Bay WTAQ 1290	
WAL 1420 Johnstown WJAC 1370 Lancaster WGAL 1500 New Castle WKST 1250 Philadelphia KYW 1020 WGAA 1170 WDAS 1870 WZL 580 WHAT 1210 WIP 618 WPKN 920 WREL 1210 Pittsburgh KDKA 980 KQV 1280 WCAE 1220 WJAB 1290 WWSW 1500 Reading WEMU 890 WBAW 1210 Scranton WGBI 880 WQAN 880 Sharon WPIC 780 Sunbury WKOK 1210 Uniontown WMBS 1420 Wilkes-Barre WBAX 1210 WBRE 1210 Williamsport WBAK 1270 York WORE 1220	<b>TEXAS</b> Arlington KREB 1420 Amarillo KFDA 1500 KQNC 1410 Austin KNOW 1500	<b>PUERTO RICO</b> Mayaguez WPR 1870 Ponce WPAB 1340 WPRP 1420 San Juan WKAQ 1240 WNEI 1290	<b>RHODE ISLAND</b> Providence WEAN 780 WJAB 890 WPRO 628	<b>SOUTH CAROLINA</b> Anderson WAIM 1200

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Janesville	
WCLO	1200
LaCrosse	
WKBH	1200
Madison	
WHA	940
WIBA	1200
Manitowoc	
WOMT	1210
Marinette	
WMAM	870
Milwaukee	
WEMP	1210
WISN	1120
WTMJ	630
Poyasotta	
WIBU	1210
Racine	
WBJN	1270
Rice Lake	
WJMC	1210
Sheboygan	
WHBL	1200
Stevens Point	
WLRL	900
Superior	
WDSM	1200
Wausau	
WBAU	1270

WYOMING

Casper	
KDFN	1440
Rock Springs	
KVBS	1270
Sheridan	
KWYO	1270

BAHAMAS

Nassau	
ENS	730

CANADA ALBERTA

Calgary	
CFAC	920
CFCN	1020
CJCL	600
Edmonton	
CFRN	940
CJCA	720
CKUA	520
Grande Prairie	
CFGP	1200
Lethbridge	
CJOC	1210

BRITISH COLUMBIA

Chilliwack	
CRWK	720
Kamloops	
CFJC	520
Kelowna	
CKOV	620
Nelson	
CKLN	1420
Prince Rupert	
CFPR	220

Trail	
CAAT	910
Vancouver	
CBE	1100
CJOR	600
CRCD	1010
CRFC	1410
CKMO	1420
CRWX	2010
Victoria	
CFPT	1420

MANITOBA

Brandon	
CKX	1120
Flin Flin	
CFAR	1270
Winnipeg	
CJRC	620
CKY	910

NEW BRUNSWICK

Campanillon	
CKNB	1210
Fredericton	
CFNB	550
Moncton	
CKCW	1270
Sackville	
CBA	1050
St. John	
CHSJ	1120

NOVA SCOTIA

Glouce Bay	
VAS	620
Halifax	
CEBS	220
Sydney	
CJCB	1240
Wolfville	
CKIC	1010
Yarmouth	
CJLS	1210

ONTARIO

Brantford	
CKPC	920
Chatham	
CFPO	620
Cobalt	
CKMC	1210
Fort William	
CKFE	520
Hamilton	
CKML	1010
CKOC	1120
Kenosha	
CKCA	1420
Kingston	
CFRC	1210
Kirkland Lake	
CKEL	1210
London	
CPPL	720
North Bay	
CFCH	920
Ottawa	
CBO	220
CKCO	1010

Owen Sound	
CFOS	1270
Prescott	
CFLC	620
St. Catharines	
CKTB	1200
Sault Ste. Marie	
CJIC	1500
Stratford	
CJCS	1210
Sudbury	
CKSO	720
Timmins	
CKGB	1440
Toronto	
CBL	540
CKY	1420
CFRB	600
CKCL	520
Waterloo	
CKCB	1210
Windsor	
CKLW	1020
Wingham	
CKNX	1200

PRINCE EDWARD ISLAND

Charlottetown	
CFCY	620
CKCK	1210
Summerside	
CHGS	1420

QUEBEC

Chicoutimi	
CBJ	1120
Hull	
CKCH	1210
Montreal	
CBF	910
CBM	940
CFCF	600
CHLP	1120
CKAC	720
New Carlisle	
CHNC	610
Quebec	
CHBC	520
CKCV	1210
CBY	920
Rimouski	
CJBE	1020
Rouyn	
CKRN	1270
St. Anne de la Pesseliere	
CHGB	1200
Sherbrooke	
CHLT	1210
Three Rivers	
CHLN	1420
Val d'Or	
CKVD	1200

SASKATCHEWAN

Moose Jaw	
CHAB	1200
Prince Albert	
CKBY	1210
Regina	
CJEM	920
CKCK	1010

Saskatoon	
CFOS	600
Watrous	
CKK	540
Yorkton	
CJGK	1420

COSTA RICA

Alajuela	
TISCV	875
San Jose	
TIATB	900
TIEMC	860
TIKP	220
TIKA	1000
TIGH	600
TIGPH	600
TIGPH2	1225
TIHO	1030
TIJ	775
TIJS	520
TINBC	1070
TINQ	750
TIOS	940
TIPI	625
TIRCC	1200
TIRS	920
TIKD	920

CUBA

Banco	
CMCK	1120
Bayamo	
CMKL	920
Calibarien	
CMHD	1270
Canaguay	
CMJA	860
CMJC	1200
CMJE	1220
CMJF	920
CMJK	1020
CMJV	1070
CMJX	660
Cardenas	
CMJE	1270
Ciego de Avila	
CMJH	1200
CMJI	1120
CMJO	1200
Cienfuegos	
CMEL	1100
CMEM	1420
CMEX	1420
Cruces	
CMHX	1210
Guantanamo	
CMKS	710
Havana	
CMBC	600
CMRD	1200
CMRF	1200
CMRG	1140
CMRH	1000
CMRL	720
CMRQ	910
CMRS	1170
CMRX	1020
CMRY	1440
CMRZ	940
CMC	1220
CMCA	1220
CMCB	1220

CMCD	620
CMCF	210
CMCG	1200
CMCH	1000
CMCI	1110
CMCK	970
CMCL	720
CMCM	220
CMCO	1200
CMCQ	1410
CMCU	1010
CMCB	1220
CMCW	1220
CMCY	1470
CMK	870
CMK	720
CMOA	600
CMOX	1200
CMW	720
CMW	520
CMK	520
CMZ	920

Holguin	
CMHF	1400
CMKO	1220
Manzanillo	
CMKE	1210
CMKM	1020
Matanzas	
CMGF	1120
CMGH	710
Merua	
CMJP	1420
Palma Soriano	
CMKE	1420
Pinar del Rio	
CMAB	1240
CMAR	1400
Pinaros	
CMHF	1100
Sagua la Grande	
CMBA	1000
CMBO	1020
Sancti Spiritus	
CMHE	1240
Santa Clara	
CMHI	220
CMHW	600
Santiago	
CMKC	1220
CMKD	910
CMKG	1000
CMKH	1420
CMKI	1400
CMKW	1020
CMKY	920
Trinidad	
CMET	620

DOMINICAN REPUBLIC

Ciudad Trujillo	
HIG	900
HIN	900
HIX	900
HIF	1000
HIZ	1270
HISQ	1470

EL SALVADOR

San Salvador	
YSS	640

## NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<b>GUATEMALA</b>	<b>XEBW</b> 1340	<b>XERH</b> 1430	<b>OAXACA</b>	<b>Tampico</b>
	<b>XEFI</b> 1440	<b>XESM</b> 1270	Oaxaca	<b>XECA</b> 1230
	<b>XEM</b> 1390	<b>XEW</b> 890	<b>XEXH</b> 1150	<b>XEFW</b> 1210
Guatemala City	Jaraná	<b>XEXX</b> 1170	<b>PUEBLA</b>	<b>XES</b> 990
<b>TGW</b> 1520	<b>XEF</b> 1450	<b>DURANGO</b>		Victoria
<b>TGX</b> 1400	<b>XEFV</b> 1210	Durango	<b>Puebla</b>	<b>XEBJ</b> 1340
<b>TGI</b> 1210	<b>XEI</b> 1020	<b>XEBP</b> 1150	<b>XETH</b> 1210	<b>VERACRUZ</b>
Quezaltenango	<b>XEP</b> 1160	<b>XEB</b> 1210		Cordeba
<b>TGQ</b> 1490	<b>XEAT</b> 1210	<b>GUANAJUATO</b>	<b>SAN LUIS</b>	<b>XEAG</b> 1210
<b>HONDURAS</b>	<b>COAHUILA</b>	Irapuato	<b>POTOSI</b>	<b>XECW</b> 1240
Tegucigalpa	Piedras Negras	<b>XEBQ</b> 1210	San Luis Potosi	Jalapa
<b>HRN</b> 1450	<b>XEMU</b> 630	León	<b>XECE</b> 1270	<b>XEXB</b> 1270
<b>MEXICO</b>	<b>XEPN</b> 730	León	<b>SINALOA</b>	Minatitlán
Agua Calientes	Sabinas	<b>XEFM</b> 1160	Mazatlán	<b>XEDW</b> 1150
	<b>XEBX</b> 640	<b>XEKL</b> 1240	<b>XEBL</b> 1230	Vernam
	Saltilla	Silao	<b>XEDS</b> 1400	<b>XETP</b> 1230
Agua Calientes	<b>XEAS</b> 1160	<b>XEWE</b> 720		<b>XEU</b> 1010
<b>XEAD</b> 1240	<b>XEKS</b> 1240	<b>JALISCO</b>	<b>SONORA</b>	<b>YUCATAN</b>
<b>XEBI</b> 1090	Terreón	Guanajuato	Cannaca	Merida
<b>BAJA CALIFORNIA</b>	<b>XEDE</b> 1490	<b>XED</b> 1100	<b>XEFQ</b> 1010	<b>XEFO</b> 1240
Mexicali	<b>XETS</b> 1210	<b>XEHK</b> 1230	Guaymas	<b>XEME</b> 1240
<b>XEAA</b> 790	Villa Ahues	<b>XELW</b> 1340	<b>XEDB</b> 1490	<b>XEZ</b> 630
<b>XEAO</b> 660	<b>XEDH</b> 1240	Guzman	Hermosillo	<b>MIQUELON</b>
<b>XECL</b> 1110	<b>XERA</b> 840	<b>XEBA</b> 1030	<b>XEBH</b> 630	St. Pierre
Tijuana	<b>DISTRITO FEDERAL</b>	<b>MEXICO</b>	Navjoa	<b>FQN</b> 600
<b>XEAC</b> 980	Mexico City	Taxco	<b>XEAI</b> 1460	<b>NEWFOUNDLAND</b>
<b>XEAU</b> 1310	<b>XRAI</b> 1250	<b>XEXE</b> 1270	<b>XEDL</b> 1240	St. John's
<b>XEBG</b> 630	<b>XEB</b> 1030	Toluca	Negales	<b>VOAC</b> 1065
<b>XEC</b> 1160	<b>XEBS</b> 1240	<b>XECH</b> 1490	<b>XEAF</b> 990	<b>VOAR</b> 950
<b>XELO</b> 670	<b>XEBZ</b> 210	<b>MICHOACAN</b>	Obregon	<b>VOCM</b> 1040
<b>XEMO</b> 640	<b>XEDA</b> 1220	Merida	<b>XEAP</b> 1240	<b>VOGY</b> 840
<b>XERB</b> 1090	<b>XEDP</b> 1060	<b>XEB</b> 1240	<b>TAMAULIPAS</b>	<b>VONF</b> 640
<b>CAMPECHE</b>	<b>XEFO</b> 940	<b>XEI</b> 1270	Matamoros	<b>VOWE</b> 700
Campeche	<b>XEP</b> 1120	<b>NUEVO LEON</b>	<b>XEAM</b> 750	
<b>XEA</b> 1400	<b>XEK</b> 990	Monterrey	Nuevo Laredo	
<b>CHIHUAHUA</b>	<b>XEKB</b> 1230	<b>XEB</b> 870	<b>XEB</b> 1090	
Chihuahua	<b>XEL</b> 1180	<b>XEG</b> 1230	<b>XEDF</b> 210	
<b>XEBU</b> 1240	<b>XELZ</b> 1270	<b>XEH</b> 740	<b>XEPE</b> 990	
	<b>XEN</b> 730	<b>XET</b> 690	<b>XENT</b> 210	<b>PANAMA</b>
	<b>XEQ</b> 720	<b>XEX</b> 1210	Rayosa	Colon
	<b>XEQK</b> 1500		<b>XEAW</b> 990	<b>BOK</b> 640
	<b>XERC</b> 830			

KSAL Salina, Kansas is now on 1120, using 1000 watts daytime and 500 watts nights . . . Addresses of stations. KVAK 622½ Commercial St., Atchinson, Kansas. . . KVEC Mountain View and Hill Sts. San Luis Obispo, Calif. . . KVFD, Warden Building, Fort Dodge, Iowa. . . Following stations do verify; WHOP, KGLO, WJLS, KOME, WFIG, KVFD, KSAD. (Dick Douglas, St. Joseph, Mo.)

W's in the East: WBNX is now using 5000 watts . . . WAWZ in their veri state that they've been heard in New Zealand with their watts. . . By the way what happened to the Transcontinental B. C. system? . . . (Joseph Schwartz, Bronx, N. Y.)

WKNY in Kingston is now on the air and can be heard here. It uses 100 watts power and on 1500 kcs. (Charles Garrison, Tioga Ctr, N. Y.)

KDKA and WWSW are now using their new transmitter towers. KDKA's is 516 ft. while WWSW's is 350 ft. high. . . WMGA heard several mornings testing new transmitter. . . WBHU sends a brown ever-sharp pencil with the call letters stamped on it for 25. They verify card. . . WTMJ verify with a picture of their antenna system with insets of transmitter equipment. (C. R. Bendes, Pittsburgh, Pa. R1132)

WBEO's new call is WDMJ. The call letters mean "Daily Morning Journal" (Frank Susoreny, E. Chicago, Ind, R1421)

## NORTH AMERICAN B. C. STATION 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	1050	CHGB	1200	CKCL	580	CMBL	750	CMHJ	1160	CMBG	1140
CBF	910	CHGS	1450	CKCO	1010	CMBQ	910	CMHK	1210	CMBH	1600
CBJ	1120	CHLN	1420	CKCR	1510	CMBS	1170	CMHM	1450	CMKW	1030
CBK	540	CHLP	1120	KKCV	1310	CMBX	1080	CMHO	1020	CMKX	1190
CBL	840	CHLT	1210	CKCW	1370	CMBY	1440	CMHP	1100	CMKY	960
CBM	960	CHML	1010	CKFC	1410	CMBZ	940	CMHT	920	CMKZ	1430
CBO	880	CHNC	610	CKGB	1440	CMC	1530	CMHW	680	CMOA	660
CBR	1100	CHNS	930	CKIC	1010	CMCA	1350	CMHX	1480	CMOX	1500
CBV	950	CHRC	580	CKLN	1420	CMCB	1230	CMJA	860	CMQ	780
CBY	1420	CHSJ	1120	CKLW	1030	CMCD	630	CMJC	1390	CMW	550
CFAC	930	CHWK	780	CKMC	1210	CMCF	810	CMJE	1230	CMX	880
CFAR	1370	CJAT	910	CKMO	1410	CMCG	1290	CMJF	930	CMZ	920
CFCF	600	CJBR	1030	CKNB	1210	CMCJ	1110	CMJH	1360	CM9RT	1580
CFCB	930	CJCA	730	CKNX	1200	CMCH	1050	CMJI	1130	FQN	609
CFCN	1030	CJCB	1240	CKOC	1120	CMCK	970	CMJK	1020	HIG	900
CFCO	630	CJCJ	690	CKOV	630	CMCL	730	CMJO	1260	HIN	1090
CFCT	1450	CJCS	1210	CKPC	930	CMCM	850	CMJP	1420	HIT	1050
CFCY	630	CJGX	1430	CKPR	580	CMCO	1200	CMJW	1070	HIX	800
CFGP	1200	CJIC	1500	CKRN	1370	CMCQ	1410	CMJX	660	HIZ	1370
CFJC	880	CJKL	1310	CKSO	780	CMCR	1320	CMK	720	H18Q	1470
CFLC	930	CJLS	1310	CKTB	1200	CMCU	1010	CMKC	1250	HOK	640
CFNB	550	CJOC	1210	CKUA	580	CMCW	1380	CMKD	910	HRN	1450
CFOS	1370	CJOR	600	CKVD	1200	CMCX	1470	CMKE	1310	KABC	1420
CFPL	730	CJRC	630	CKWX	1010	CMCY	590	CMKF	1460	KABR	1390
CFPR	580	CJRM	950	CKX	1120	CMGE	1370	CMKG	1000	KADA	1200
CFQC	600	CKAC	730	CKY	910	CMGF	1120	CMKL	950	KALB	1210
CFRB	690	CKBI	1210	CMAB	1240	CMGH	710	CMKM	1080	KALE	1300
CFRC	1510	CKCA	1420	CMAR	1400	CMHA	1090	CMKO	1280	KANS	1210
CFRN	960	CKCD	1010	CMBC	690	CMHB	1240	CMKQ	1490	KARK	890
CHAB	1200	CKCH	1210	CMBD	1260	CMHD	1270	CMKR	1400	KARM	1310
CHCK	1310	CKCK	1010	CMBF	1560	CMHI	830	CMKS	710	KASA	1210

KAST	1200	KFAM	1420	KFVD	1000	KGKO <sup>#</sup>	570	KJR	970	KOIL	1260
KATE	1420	KFAR	610	KFVS	1370	KGKY	1500	KLAH	1210	KOIN	940
KAWM	1500	KFBB	1280	KFWB	950	KGLO	1210	KLBM	1420	KOKO	1870
KBIX	1500	KFBI	1050	KFXD	1200	KGLU	1420	KLCN	1290	KOL	1270
KBKR	1500	KFBK	1490	KFXJ	1200	KGMB	1320	KLO	1400	KOMA	1480
KBND	1310	KFDA	1500	KFXM	1210	KGNC	1410	KLPM	1360	KOME	1310
KBPS	1420	KFDM	560	KFYO	1310	KGNF	1430	KLRA	1390	KOMO	920
KBST	1500	KFDY	780	KFYR	550	KGNO	1340	KLS	1280	KONO	1370
KBTM	1200	KFEL	920	KGA	1470	KGO	790	KLUF	1370	KOOS	1200
KCKN	1310	KFEQ	680	KGB	1330	KGU	750	KLX	880	KORE	1420
KCMC	1420	KFGQ	1370	KGBU	900	KGVO	1260	KLZ	560	KORN	1370
KCMO	1450	KFH	1300	KGBX	1230	KGW	620	KMA	930	KOTN	1500
KCRC	1360	KFI	640	KGCA	1270	KGY	1210	KMAC	1370	KOVC	1500
KCRJ	1310	KFIO	1120	KGCU	1240	KHAS	1200	KMBC	950	KOVO	1210
KDAL	1500	KFIZ	1420	KGCX	1450	KHBC	1200	KMED	1410	KOWH	660
KDB	1500	KFJB	1200	KGDE	1200	KHBG	1210	KMJ	580	KOY	1390
KDFN	1440	KFJI	1210	KGDM	1100	KHJ	900	KMLB	1200	KPAB	1500
KDKA	980	KFJM	1410	KGEK	1200	KHQ	590	KMMJ	740	KPAC	1220
KDLR	1210	KFJZ	1240	KGER	1360	KHSL	1260	KMO	1330	KPDN	1310
KDNT	1420	KFKA	880	KGEZ	1310	KHUB	1310	KMOX	1090	KPFA	1210
KDON	1210	KFKU	1220	KGFF	1420	KICA	1370	KMPC	710	KPFT	1210
KDRO	1500	KFNF	890	KGFI	1500	KID	1320	KMTR	570	KPLC	1500
KDTH	1340	KFOR	1210	KGFJ	1200	KIDO	1350	KMYR	1310	KPLT	1500
KDYL	1290	KFOX	1250	KGFL	1370	KIDW	1420	KNEL	1500	KPMC	1550
KECA	780	KFPL	1310	KGFW	1310	KIEM	1450	KNOW	1500	KPO	680
KEEN	1370	KFPW	1210	KGFX	630	KIEV	850	KNX	1050	KPOF	880
KELA	1440	KFPY	890	KGGF	1010	KINY	1480	KOA	830	KPPC	1210
KELD	1370	KFQD	780	KGGM	1230	KIRO	710	KOAC	550	KPQ	1500
KELO	1200	KFRC	610	KGHF	1320	KIT	1250	KOAM	790	KPRC	920
KERN	1370	KFRO	1370	KGHI	1200	KITE	1530	KOB	1180	KQV	1380
KEUB	1420	KFRU	630	KGHL	780	KIUL	1210	KOBH	1370	KQW	1010
KEX	1160	KFSD	600	KGIR	1340	KIUN	1370	KOCA	1210	KRBC	1420
KFAB	770	KFSG	1120	KGIW	1420	KIUP	1370	KOCY	1310	KRBM	1420
KFAC	1300	KFUO	550	KGKL	1370	KJBS	1070	KOH	1380	KRE	1370



KRGV 1260	KTBS 1450	KVOL 1310	KXRO 1310	VOGY 840	WBAL 1060
KRIC 1420	KTEM 1370	KVOO 1140	KXYZ 1440	VOAC 1065	WBAP 865
KRIS 1330	KTFI 1240	KVOR 1270	KYA 1230	VOAR 950	WBAX 1210
KRKD 1120	KTHS 1060	KVOS 1200	KYCA 1500	VOWR 700	WBBC 1400
KRKO 1370	KTKC 890	KVOX 1310	KYOS 1040	WAAB 1410	WBBL 1210
KRLC 1390	KTMS 1220	KVRS 1370	KYSM 1500	WAAF 920	WBBM 770
KRLD 1040	KTOH 1500	KVSF 1310	KYUM 1210	WAAT 940	WBBR 1300
KRLH 1420	KTOK 1370	KVSO 1210	KYW 1020	WABC 860	WBBZ 1200
KRMC 1370	KTRB 740	KVWC 1500	TGQ 1450	WABI 1200	WBCM 1410
KRMD 1310	KTRH 1290	KWAL 1420	TGW 1520	WABY 1370	WBEN 900
KRNR 1500	KTRI 1420	KWAT 1210	TGX 1400	WACO 1420	WBHP 1200
KRNT 1320	KTSA 550	KWBD 1200	TGI 1310	WADC 1320	WBIG 1440
KROC 1310	KTSM 1310	KWBG 1420	TIAFB 900	WAGA 1450	WBIL 1100
KROD 1500	KTSW 1370	KWEW 1500	TIEMC 860	WAGF 1370	WBK 1370
KROW 930	KTUC 1370	KWFC 1310	TIEP 830	WAGM 1420	WBNS 1480
KROY 1210	KTUL 1400	KWFT 620	TIFA 1000	WAIM 1200	WBNS 1480
KRRV 1310	KTW 1220	KWG 1200	TIGH 690	WAIR 1250	WBNS 1480
KRSC 1120	KUIN 1310	KWJB 1210	TIGPH 605	WALA 1380	WBNS 1480
KSAC 580	KUJ 1370	KWJJ 1040	TIGPH2 1225	WAML 1310	WBNS 1480
KSAL 1500	KUOA 1260	KWK 1350	TIHO 1030	WAOV 1420	WBNS 1480
KSAN 1420	KUSD 890	KWKH 1100	TILJ 775	WAPI 1140	WBNS 1480
KSCJ 1330	KUTA 1500	KWLC 1270	TILS 880	WAPQ 1420	WBNS 1480
KSD 550	KVAK 1420	KWLK 780	TINBC 1070	WARD 1400	WBNS 1480
KSEI 900	KVAN 880	KWNO 1200	TING 750	WASH 1270	WBNS 1480
KSFO 560	KVCV 1200	KWOC 1310	TIOS 940	WATL 1370	WBNS 1480
KSL 1130	KVEC 1200	KWOS 1310	TIPG 625	WATR 1290	WBNS 1480
KSLM 1360	KVFD 1370	KWSC 1220	TIRCC 1200	WATW 1370	WBNS 1480
KSO 1430	KVGB 1370	KWTO 560	TIRS 920	WAVE 940	WBNS 1480
KSOO 1110	KVI 570	KWYO 1370	TIXD 800	WAWZ 1370	WBNS 1480
KSRO 1310	KVIC 1310	KXA 760	TI4NRH 725	WAYX 1200	WBNS 1480
KSTP 1460	KVNU 1200	KXL 1420	TISCY 575	WAZL 1420	WBNS 1480
KSUB 1310	KVOA 1260	KXO 1500	VAS 685	WBAA 590	WBNS 1480
KSUN 1200	KVOD 630	KXOK 1250	VOCM 1040	WBAB 1200	WBNS 1480
KTAR 620	KVOE 1500	KXOX 1210	VONF 640	WEAL 780	WBNS 1480

WCAP 1280	WDAH 1310	WESG 850	WGBI 880	WHBY 1200	WIL 1200
WCAR 1100	WDAN 1500	WEST 1200	WGDR 1370	WHDF 1370	WILL 580
WCAT 1200	WDAS 1370	WESX 1200	WGCM 1210	WHDH 830	WILM 1420
WCAU 1170	WDAY 940	WEVD 1310	WGES 1360	WHDL 1400	WIND 560
WCAX 1200	WDBJ 930	WEW 760	WGH 1310	WHEB 740	WING 1380
WCAZ 1070	WDBO 580	WEXL 1310	WGIL 1500	WHEC 1430	WINN 1210
WCBA 1440	WDEL 1120	WFAA 800	WGKY 1500	WHFC 1420	WINS 1180
WCBD 1080	WDEV 550	WFAM 1200	WGL 1370	WHIO 1260	WIOD 610
WCBM 1370	WDGY 1180	WFAS 1210	WGN 720	WHIP 1480	WIP 610
WCBS 1420	WDLP 1200	WFBC 1300	WGNC 1420	WHIS 1410	WIRE 1400
WCCO 810	WDMJ 1310	WFBG 1310	WGNY 1220	WHIZ 1210	WIS 560
WCFL 970	WDNC 1500	WFBL 1360	WGPC 1420	WHJB 620	WISE 1370
WCHS 580	WDOD 1280	WFBM 1230	WGR 550	WHK 1390	WISN 1120
WCHV 1420	WDRC 1330	WFBR 1270	WGRC 1370	WHKC 640	WJAC 1370
WCKY 1490	WDSM 1200	WFDL 1310	WGRM 1210	WHKY 1370	WJAG 1060
WCLE 610	WDSU 1250	WFEA 1340	WGST 890	WHLB 1370	WJAR 890
WCLO 1200	WDWS 1370	WFIG 1310	WGTC 1500	WHLD 1260	WJAS 1290
WCLS 1310	WDZ 1020	WFIL 560	WGTM 1310	WHLS 1370	WJAX 900
WCMI 1310	WEAF 660	WFLA 620	WGY 790	WHMA 1420	WJBC 1200
WCNC 1370	WEAN 780	WFMD 900	WHA 940	WHN 1010	WJBK 1500
WCNW 1500	WEAU 1050	WFMJ 1420	WHAL 950	WHO 1000	WJBO 1120
WCOA 1340	WEBC 1290	WFNC 1340	WHAI 1210	WHOM 1450	WJBY 1210
WCOC 880	WEBQ 1210	WFOR 1370	WHAM 1150	WHOP 1200	WJBW 1200
WCOL 1210	WEBR 1310	WFOY 1210	WHAS 820	WHP 1430	WJDX 1270
WCOP 1120	WEDC 1210	WFTC 1200	WHAT 1310	WHUB 1370	WJEJ 1210
WCOS 1370	WEED 1420	WFTL 1370	WHAZ 1300	WIBA 1280	WJHL 1200
WCOU 1210	WEEI 590	WFTM 1210	WHB 860	WIBC 1050	WJHP 1290
WCOV 1210	WEEU 830	WFVA 1260	WHBB 1500	WIBG 970	WJIM 1210
WCPO 1200	WELI 930	WGAL 1500	WHBC 1200	WIBM 1370	WTIC 1040
WCRW 1210	WELL 1420	WGAN 640	WHBF 1240	WIBU 1210	WTJS 1310
WCSC 1360	WEMP 1310	WGAR 1450	WHBI 1250	WIBW 580	WTMA 1210
WCSH 940	WENR 870	WGAU 1310	WHBL 1300	WIBX 1200	WTMC 1500
WDAE 1220	WENY 1200	WGBB 1210	WHBQ 1370	WICA 940	WTMJ 620
WDAF 610	WEOA 1370	WGBF 630	WHBU 1210	WICC 600	WTMV 1500

WJJD 1120	WLAW 680	WMFD 1370	WOI 640	WQDM 1390	WSJS 1310
WJLS 1210	WLB 760	WMFF 1310	WOKO 1430	WQXR 1550	WSKB 1200
WJMC 1210	WLBC 1310	WMFG 1210	WOL 1230	WRAK 1370	WSLB 1370
WJMS 1420	WLBJ 1310	WMFJ 1420	WOLF 1500	WRAL 1210	WSLI 1420
WJNO 1200	WLBL 900	WMFR 1200	WOLS 1200	WRAW 1310	WSM 650
WJPF 1310	WLBZ 620	WMGA 1370	WOMI 1500	WRBL 1200	WSMB 1320
WJPR 1310	WLEU 1420	WMIN 1370	WOMT 1210	WRC 950	WSNJ 1210
WJR 750	WLLH 1370	WMJM 1500	WOCB 1210	WRDO 1370	WSOC 1210
WJRD 1200	WLLH 1370	WMMN 890	WOPI 1500	WRDW 1500	WSOO 1200
WJSV 1460	WLNH 1310	WMOB 1200	WOR 710	WREC 600	WSOY 1310
WJTN 1210	WLOK 1210	WMOG 1500	WORC 1280	WREN 1220	WSPA 920
WJW 1210	WLPM 1420	WMPC 1200	WORD 1370	WRGA 1500	WSPB 1420
WJZ 760	WLS 870	WMP5 1430	WORK 1320	WRJN 1370	WSPD 1340
WKAQ 1240	WLTH 1400	WMRO 1250	WORL 920	WRNL 880	WSPR 1140
WKAR 850	WLVA 1200	WMSD 1420	WOSU 570	WROK 1410	WSTP 1500
WKAT 1500	WLW 700	WMSL 1370	WOV 1130	WRR 1280	WSUI 880
WKBB 1500	WMAL 630	WMT 600	WOW 590	WRTD 1500	WSUN 620
WKBH 1380	WMAM 570	WNAC 1230	WOWO 1160	WRUF 830	WSVA 550
WKBN 570	WMAN 1370	WNAD 1010	WPAB 1340	WRVA 1110	WSVS 1370
WKBO 1200	WMAQ 670	WNAX 570	WPAD 1420	WSAI 1330	WSYB 1500
WKBV 1500	WMAS 1420	WNBC 1380	WPAR 1420	WSAJ 1310	WSYR 570
WKBW 1480	WMAZ 1180	WNB 1500	WPAX 1210	WSAM 1200	WSYU 570
WKBZ 1500	WMBC 1420	WNBH 1310	WPAY 1370	WSAN 1440	WTAD 900
WKEU 1500	WMBD 1449	WNBX 1260	WPEN 920	WSAR 1450	WTAG 580
WKIP 1420	WMBF 610	WNBZ 1290	WPG 1100	WSAU 1370	WTAL 1310
WKNY 1500	WMBG 1350	WNEL 1290	WPIC 780	WSAV 1310	WTAM 1070
WKOK 1210	WMBH 1420	WNEW 1250	WPID 1210	WSAY 1210	WTAQ 1330
WKRC 550	WMBI 1080	WNLC 1500	WPRA 1370	WSAZ 1190	WTAR 780
WKST 1250	WMBO 1310	WNOE 1420	WPRO 630	WSB 740	WTAW 1120
WKY 900	WMBR 1370	WNOX 1010	WPRP 1420	WSBC 1210	WTAX 1210
WKZO 590	WMBS 1420	WNYC 810	WPTF 680	WSBT 1360	WTBO 800
WLAC 1470	WMC 780	WOAI 1190	WQAM 560	WSFA 1410	WTCN 1250
WLAK 1310	WMCA 570	WOC 1370	WQAN 880	WSGN 1310	WTEL 1310
WLAP 1420	WMEX 1500	WOCB 1210	WQBC 1360	WSIX 1210	WTHT 1200

WTNJ 1280	XEAF 990	XEBO 1310	XEDR 1490	KEK 990	XERB 1090
WTOC 1260	XEAG 1310	XEBP 1150	XEDS 1400	XEKL 1240	XERC 830
WTOL 1200	XEAI 1250	XEBS 1340	XEDW 1150	XEKR 1280	XERH 1450
WTRC 1310	XEAJ 1400	XEBU 1240	XEE 1210	KEKS 1240	XES 990
WTRY 950	XEAM 750	XEBW 1340	XEF 1450	XEL 1150	XESM 1270
WTSP 1370	XEAO 660	XEBX 640	XEFB 870	XELO 670	XET 690
WVFW 1400	XEAP 1340	XEBZ 810	XEFC 1340	XELW 1340	XETB 1310
WWAE 1200	XEAS 1160	XEC 1150	XEFE 980	XELZ 1370	XETH 1210
WWJ 920	XEAT 1210	XECA 1250	XEFI 1440	XEM 1390	XEU 1010
WWL 850	XEAU 1310	XECH 1490	XEFM 1160	XEME 1240	XEW 890
WWNC 570	XEAW 960	XECL 1110	XEFO 940	XEMO 860	XEWE 720
WWRL 1500	XEB 1030	XECW 1240	XEPQ 1010	XEMU 580	XEX 1310
WWSW 1500	XEBA 1080	XECZ 1370	XEFV 1210	XEMX 1280	XEXB 1270
WWVA 1160	XEBC 1240	XED 1160	XEFW 1310	KEN 780	XEXE 1270
WXYZ 1240	XEBG 820	XEDA 1220	XEG 1250	XENT 910	XEXH 1150
WSXO 700	XEBH 930	XEDE 1400	XEH 740	XEP 1160	XEXX 1170
XEA 1400	XEBI 1000	XEDF 810	XEHK 1230	XEPN 730	XEZ 630
XEAA 750	XEBJ 1340	XEDH 1340	XEI 1370	XEQ 730	YSS 640
XEAC 980	XEBK 1080	XEDL 1240	XEJ 1020	XEQK 1500	ZNS
XEAD 1240	XEBL 1220	XEDP 1080	XEJP 1130	XERA 840	

## TIME CONVERTER

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

**25c**

You Can't Get Along Without It.

The Radex Publishing Co., Emerson, New Jersey

WSKB begins at 7 A. M. WENY on Sunday till 2 A. M. . . . WDSM on Sunday till 2 A. M. . . . WMRO tests on Wednesday from 2 to 2:30. (Art, Parfit, Cleveland, Ohio).

WBT sends an attractive card of Ivory with large blue letters and printing. . . . WCFL is a white card with large green call letters, green border and black print. . . . WHAM is an Ivory card with large blue call letters. . . . WLAC sends a white card with a picture of mail control room and view of studios. . . . WSB sends a verie stamp showing an Owl sitting on a half moon. (Edward Laudansky, Dorchester( Mass.)

WKY on 900 kcs. sends out veries., comes on at 7 A. M. and off at 1 A. M. (Ernest R. Forrest, Oklahoma City, Okla.)

WNBZ on 1290 kcs. was heard poorly on their program dedicted to the Va. Chapter of the Radex club. (James O. Weaver, Elkhart, Ind.)

WELI, WPEN sign off at 12 midnight. WOV, 5 kw, on from 7 A. M. to 12 midnight. (Henry Bennett, Collingswood, N. J. R 1342)

headphones. Because the speaker may be used separately or together.

Adapter with Trimm Feather-weight Headphones—

\$13.50

Adapter with Trimm Dependable Headphones—

\$5.95

Adapter with Acme Deluxe Headphones—

\$4.40

WJTN now use 250 watt power and Hotel Jamestown. (Edward F. Shirley, Jamestown, N. Y. R615)

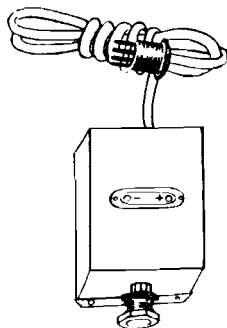
WSAY Rocehster ,N. Y. became the 118th station in the Mutual Broadcasting Systems network on February 1st.

. . . WRTD Richmond, has changed their frequency from 1500 kcs. to 590 kcs. the power was increased from 250 watts to 1000 watts. (Lee Grossman, Rochester, N. Y.)

Here is some information about New Orleans radio stations; WJBW now has full time, 8 A. M. to 1 A. M. EST. WSMB now has 5,000 watts unlimited, WWL signs on at 6 A. M. and leave sthe air at 1 A. M. EST. and WDSU has the same schedule as WJBW. (William A. Floves, New Orleans, La.)

WTSP heard on 1370 kcs. with a frequency check program, fine signal R 7-9 plus, heard from 3 A. M. EST. until 4:30 A. M. EST. (Allen G. Verrill Brockton, Mass. R968)

WBTH is very glad to hear from listeners and sends form letter, of verification. Radex listrphones.



As these adapters are made to order, about two weeks should be allowed for delivery.

We pay the postage.

THE RADEX PUBLISHING CO., Emerson, New Jersey

### Selected Back Numbers

The Oceania Broadcasting Stations, Sept. '38.

Tuning South Pacific Stations, Tuning South Americans, and a list of South American Broadcasting Stations, Oct. '38.

Dialing the Europeans, Nov. '38.

Dialing the Asiatics, Dec. '38.

This Hobby Called DXing, the International Prefixes, the QSA and R Codes, Jan. '39.

Stations of France and Norway, March '39.

Stations of New Zealand, April '39.

Television is Here, list of Television Stations, the stations of Colombia, China and Venezuela, Midsummer '39.

Stations of Costa Rica and Venezuela, Sept. '39.

The World's Broadcasting Stations, Sept. '39.

These past issues are still available at the regular price of 25c each or five for a dollar.

## GET MORE

# DX

## WITH HEADPHONES



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

The Trimm "Featherweights" weigh but  $4\frac{3}{4}$  ounces complete. 24,000 ohms. .... **\$8.50**

Trimm "Professional." 4000 ohms. .... **4.00**

Trimm "Dependable." 2000 ohms. .... **3.25**

<b>XEAC</b>	<b>980</b>	<b>XEBK</b>	<b>1080</b>	<b>XEDL</b>	<b>1240</b>	<b>XEJ</b>	<b>1020</b>	<b>XEQK</b>	<b>1500</b>	<b>ZNS</b>
<b>XEAD</b>	<b>1240</b>	<b>XEBL</b>	<b>1220</b>	<b>XEDP</b>	<b>1080</b>	<b>XEJP</b>	<b>1130</b>	<b>XERA</b>	<b>840</b>	

## TIME CONVERTER

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

# 25c

You Can't Get Along Without It.

**The Radex Publishing Co., Emerson, New Jersey**



# PHONE ADAPTERS for QUIET RADIO

Do you listen in late at night while others are sleeping? Does your town require you to turn your radio down at a certain hour? If you are an apartment dweller, or a DXer, or if there is more than one radio in your home, equip your set with headphones and win the gratitude of your family and your neighbors.

We offer two phone adapters which will permit the use of headphones with your radio. They can be used with any radio set, regardless of make, and are fully guaranteed. They are easily installed. When ordering, be sure to give a list of the tubes used in your receiver.

## TRIMM

### Quiet Radio Attachment

This kit, including adapter and headphones, is made by the makers of the famous "Trimm" headphones. Headset and loudspeaker may be used separately or together.

Adapter with Trimm Featherweight Headphones—

**\$13.50**

Adapter with Trimm Dependable Headphones—

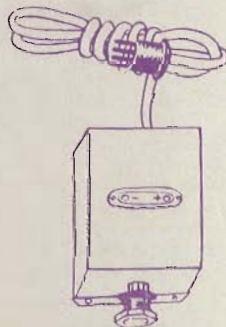
**\$5.95**

Adapter with Aeme DeLuxe Headphones—

**\$4.40**

## THE PERFECT PHONE ADAPTER

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



As these adapters are made to order, about two weeks should be allowed for delivery.

We pay the postage.

**THE RADEX PUBLISHING CO., Emerson, New Jersey**

# Be a RADIO Technician

## Learn at Home to Make \$30, \$40, \$50 a Week

Radio is a young, growing field with a future. It offers you many good pay spare time and full time job opportunities. And you don't have to give up your present job, go away from home, or spend a lot of money to become a Radio Technician. I train you right at home in your spare time.

**Many Radio Technicians Make \$30, \$40, \$50 a Week**

Radio broadcasting stations employ engineers, operators, technicians and pay well for trained men. Radio manufacturers employ testers, inspectors, foremen, servicemen in goodpay jobs with opportunities for advancement. Radio jobbers and dealers employ installation and servicemen. Many Radio Technicians open their own Radio sales and repair businesses and make \$30, \$40, \$50 a week. Others hold their regular job and make \$5 to \$10 a week fixing Radios in spare time. Automobile, police, aviation, commercial Radio; loudspeaker systems, electronic devices, are newer fields offering good opportunities to qualified men. Television promises to open many good jobs soon.

**Many Make \$5 to \$10 a Week Extra in Spare Time While Learning**

The day you enroll I start sending Extra Money Job Sheets which start showing you how to do Radio repair jobs. Throughout your course I send plans and directions that made good spare time money—\$200 to \$500—for hundreds, while learning. I send you special Radio equipment to conduct experiments and build circuits. This 50-50 method of training—with printed texts and conducting experiments—makes learning at home interesting, fascinating, practical.

**I Also Give You a Professional Servicing Instrument**

You get the type of instrument successful Radio Technicians use—an All-Wave Set Servicing Instrument. It contains everything necessary to measure A.C. and D.C. voltages and current; to check resistances, adjust and align any set, old or new. It satisfies your needs for professional servicing after you graduate—can help you make extra money fixing sets while learning.



**You Are Trained for Television**

With N.R.I. you learn Television principles right along with Radio principles—the correct method—since Television receivers combine both sight and sound. You also get more than ten text books devoted entirely to Television.

**Mail Coupon for Sample Lesson and Free Book**

Act Today. Mail the coupon now for Sample Lesson (Radio Receiver Troubles; Their Cause and Remedy) and 64-page book. They're free. They point out Radio's spare time and full time opportunities and those coming in Television; tell about my course in Radio and Television; show you letters from men I trained, telling what they are doing and earning. Read my Money Back Agreement. Find out what Radio offers YOU! MAIL COUPON in an envelope, or paste on a postcard—NOW!

**J. E. SMITH, President  
National Radio Institute  
Dept. OEO  
Washington, D. C.**

J. E. SMITH, President, Dept. OEO  
National Radio Institute, Washington, D. C.

Send me FREE, without obligation, Sample Lesson and 64-page book "Rich Rewards in Radio" which tells about Radio's spare time and full time opportunities and how I can train at home for them. (Write plainly)

Name ..... Age .....

Address .....

City ..... State ..... 14x5